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INDEX OF PATENTS

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Abrahamson, Ernest P., II: *See*—
Grant, Nicholas J., and Abrahamson. 3,008,854.
Abramitis, Walter W., and E. A. Tehle, Jr., to Armour & Co. of Delaware. Method of combating plant-attacking fungus. 2,980,578, 4–18–61, Cl. 167—22.
Abramo, John G., and R. H. Reinhard, to Monsanto Chemical Co. Copolymers of fluorinated ethers. 2,975,161, 3–14–61, Cl. 260—85.5.
Abrams, Bernard W., to Clevite Corp. Depth control arrangement for torpedo. 2,997,972, 8–29–61, Cl. 114—25.
Abrams, Bernard W., to Clevite Corp. Exercise torpedo. 3,004,507, 10–17–61, Cl. 114—20.
Abrams, Edward F., and A. Silver, to The Garrett Corp. Motion transmitting device. 2,981,515, 4–25–61, Cl. 251—229.
Abrams, Herbert C. Control cylinder. 3,010,435, 11–28–61, Cl. 121—38.
Abrams, Ralph, to Cambridge Thermionic Corp. Pressure mounted lug. 2,972,730, 2–21–61, Cl. 339—221.
Abrams, Ralph, to Cambridge Thermionic Corp. Lead through insulator. 3,005,039, 10–17–61, Cl. 174—152.
Abrams, Sidney H.: *See*—
Berchtold, Max, and Abrams. 3,012,708.
Abresch, Carel F., and R. L. Mercer, to General Motors Corp. Spray device. 2,973,907, 3–7–61, Cl. 239—261.
Abs, Alfred J., and O. Suter, to Technical Oil Tool Corp., Ltd. Drilling rate recorder. 3,009,355, 11–21–61, Cl. 73—151.5.
Absalom, James G., to The Marquardt Corp. Fluid flow regulator. 2,990,847, 7–4–61, Cl. 137—489.
Abt, Clifford F.: *See*—
Miner, Richard Y., and Abt. 3,007,635.
Miner, Richard Y., Clifford, and Evans. 2,969,184.
Abt, Clifford F., T. J. Carr, R. Y. Miner, and A. Spitalny, to American Bosch Arma Corp. Target range and bearing computer with fire conditions correction apparatus. 2,983,442, 5–9–61, Cl. 235—61.5.
Abysalh, Louis G. Telephone bracket. 2,987,585, 6–6–61, Cl. 179—146.
Abzug, Malcolm J., to Sperry Rand Corp. Automatic pilot for aircraft. 2,979,289, 4–11–61, Cl. 244—77.
Acara, Nancy A.: *See*—
Breck, Donald W., and Acara. 2,991,151.
Breck, Donald W., and Acara. 2,995,423.
Breck, Donald W., and Acara. 3,011,869.
Accles & Pollock Ltd.: *See*—
Laban, William H. 2,983,168.
Laban, William H. 2,983,169.
Laban, William H. 2,983,171.
Accumulatoren-Fabrik Aktiengesellschaft: *See*—
Borchers, Heinz, Evers, and Gumprecht. 2,993,785.
Borchers, Heinz, Evers, and Gumprecht. 3,008,853.
Evers, Dietrich, Gumprecht, and Rasche. 3,011,007.
Gumprecht, Herbert, and Weisseibertg. 3,014,975.
Haebler, Herbert. 2,996,563.
Peters, Freimut. Re. 24,989.
Peters, Freimut. 2,969,413.
Peters, Freimut. 2,980,745.
Peters, Freimut. 2,988,584.
Peters, Freimut. 2,988,585.
Soding, Fritz. 2,997,516.
Accurate Bushing Co.: *See*—
Gales, Richard J. 2,977,163.
Powers, Vincent J. 3,004,808.
Accurate Partitions, Inc.: *See*—
Kotermanski, Mitchell, and Rutledge. 2,997,735.
Accurate Tools (Saunders) Ltd.: *See*—
Saunders, Albert. 3,000,247.
Ace Electronics Associates, Inc.: *See*—
Berni, Louis W. 2,999,996.
Lyon, William W. 2,971,174.
Ace Engineering Co.: *See*—
Smith, Gus T. 2,977,780.
Smith, Gus T. 2,977,781.
Ace Glass Inc.: *See*—
De Woody, Charles M., and Pearce. 2,979,594.
Acevedo, Eusebio F. Game device. 2,987,317, 6–6–61, Cl. 273—67.
Achelis, Johann D.: *See*—
Stach, Kurt, Achelis, Kroneberg, and Kurbjuweit. 3,004,984.
Achelis, Johann D., E. Haack, R. Gail, R. Heerdt, and W. Voemel, to C. F. Boehringer & Soehne. 1-phenyl-3-methoxy; hydroxy; or benzyloxy-5-sulfanilamido pyrazole-1,2 and derivatives thereof. 2,988,547, 6–13–61, Cl. 260—239.9.
Achenbach, John C.: *See*—
Murakami, Tomomi, and Achenbach. 2,997,579.
Acheson Industries, Inc.: *See*—
Dawe, Harold J., and Youse. 2,976,257.
Achilich, John H., to United States of America, Navy. Instrument lighting device. 2,980,056, 4–18–61, Cl. 116—129.
Achilles, Günter, to R. Firma Stock & Co., Spiralbohrer-, Werkzeug- und Maschinenfabrik Aktiengeselischaft. Adjustment apparatus for dressing tool support. 2,970,588, 2–7–61, Cl. 125—11.
Achor, William E., and E. C. Booth, to Thompson Ramo Wooldridge Inc. Gathering apparatus and method. 2,974,213, 3–7–61, Cl. 219—7.5.
Achorn, Frank P.: *See*—
McKnight, Davis, Achorn, and Meline. 3,005,697.
Achorn, Glenwood B., Jr., E. R. Bokesch, E. R. Dapper, R. W. Lebherz, J. L. Schwab, J. R. E. Smith, A. Rawson, and S. N. Metcalfe. Apparatus for the cultivation of fastidious microorganisms. 2,981,660, 4–25–61, Cl. 195—142.
Achterberg, Arthur C.: *See*—
Lucker, Millard B., and Achterberg. 2,997,292.
Achtmeyer, George B.: *See*—
Potter, Francis, M., and Achtmeyer. 2,998,937.
Aciego, Alfonso. Torch lighter. 2,986,208, 5–30–61, Cl. 158—27.4.
Acker, Donald S., to E. I. du Pont de Nemours and Co. 6,8-(methylenedioxy)-2,4-octadienoic acid and its alkyl esters. 2,992,234, 7–11–61, Cl. 260—340.7.
Acker Drill Co., Inc.: *See*—
Lynch, Eugene J., and Davenhall. 3,008,529.
Acker, Walter L., and L. H. Curkin, to United Aircraft Corp. Etching bath for titanium and its alloys and process of etching. 2,981,609, 4–25–61, Cl. 41—42.

Ackerman, Arthur. Apparatus for cleaning the ends of abrasive bands to enable formation of abrasive belts therefrom. 2,995,873, 8–15–61, Cl. 51—8.
Ackerman, Arthur. Manufacture of abrasive belts and coated fabrics therefor. 3,013,870, 12–19–61, Cl. 51—295.
Ackerman, Eugene L. Accessory pad for steering wheels of automobiles. 3,011,802, 12–5–61, Cl. 281—15.
Ackerman, Stanley C., to General Electric Co. Filament joint for electric lamps or similar devices. 2,987,643, 6–6–61, Cl. 313—271.
Ackerman, Sumner, to Instrument Development Laboratories, Inc. Accelerometer. 2,974,531, 3–14–61, Cl. 73—516.
Ackermann, Edward L., to United States of America, Army. Removable wire connector. 2,986,787, 6–6–61, Cl. 24—28.
Ackermann, Franz: *See*—
Siegrist, Adolf E., and Ackermann. 2,995,605.
Ackermann, Franz, and A. E. Siegrist, to Ciba Ltd. Process for the optical brightening of materials of polyacrylonitrile or polyvinyl chloride. 2,977,319, 3–28–61, Cl. 252—301.2.
Ackermann, Franz, and A. E. Siegrist, to Ciba Ltd. Process for the optical brightening of polyacrylonitrile fibers. 3,005,779, 10–24–61, Cl. 252—301.2.
Ackley, Charles E., and J. R. Kane, to R. W. Hartnett Co. Method of printing waxed pellets, and printing ink. 2,982,234, 5–2–61, Cl. 107—54.
Ackley, Edward M., and E. J. Pfeiffer. Extensible dolly. 2,971,768, 2–14–61, Cl. 280—35.
Ackley, Edward M., and E. J. Pfeiffer. Collapsible container. 3,009,625, 11–21–61, Cl. 229—41.
Ackley, John W., to Deere & Co. Nozzle construction with screen support. 2,973,905, 3–7–61, Cl. 239—123.
Ackley, John W., to Deere & Co. Liquid fertilizer attachment. 2,995,251, 8–8–61, Cl. 210—172.
Ackley, John W., to Deere & Co. Liquid fertilizer attachment. 3,003,775, 10–10–61, Cl. 280—5.
Ackley, Richard H., to General Electric Co. Gas turbine flow control arangement. 2,993,496, 7–25–61, Cl. 137—34.
Acklin, Johnell C. Attachment device for converting a bumper lift jack to a hoist. 3,012,755, 12–12–61, Cl. 254—1.
Acloque, Paul H., to Compagnie de St. Gobain. Apparatus for the optical determination of stresses. 2,995,060, 8–8–61, Cl. 88—14.
Acme Ball Bearing & Mfg. Co.: *See*—
Cogger, Howard. 3,010,771.
Acme Electric Corp.: *See*—
Moyer, Elmo E., and Klein. 3,005,142.
Acme-Hamilton Mfg. Corp., The: *See*—
Kahn, Marvin M. 2,968,321.
Acme Highway Products Corp.: *See*—
Crone, Alfred F. 2,979,207.
Acme Industrial Co.: *See*—
Bracken, Warner T. 2,968,199.
Statkus, George M. 2,974,642.
Acme Industries, Inc.: *See*—
Smith, Lewis R., Ambrose, and Hassenplug. 2,977,103.
Acme Machinery Co.: *See*—
McMillan, Roscoe T. 3,005,442.
Acme Metal Molding Co.: *See*—
Du Shane, Ray N., Jr. 3,002,777.
Acme Precision Products, Inc.: *See*—
Hoffman, Robert K., and Calvert. 2,987,278.
Acme Protection Equipment Co.: *See*—
Glidden, Galen H. 2,982,291.
Acme Protection Equipment Corp.: *See*—
Rodenhouse, Louis N. 2,993,564.
Acme Scientific Co.: *See*—
Riedl, Max J. 3,007,230.
Acme Steel Co.: *See*—
Allfree, David. 2,977,872.
Falck-Pedersen, Kjell A. 2,986,376.
Feldkamp, John G., Burt, and Hager. 3,003,296.
Fullerton, Thomas J. 3,014,526.
Schimkus, Kurt E. 2,973,308.
Schimkus, Kurt E. 3,007,818.
Scott, Andrew C., Fawcett, and Potter. 3,014,494.
Simich, Emil, Moody, and Wognum. 2,984,285.
Swingle, Roy E. 3,004,746.
Wilson, Allen B. 2,969,754.
Wilson, Allen B. 2,998,132.
Wilson, Allen B. 2,999,569.
Winkler, Alvin L. 2,985,098.
Wognum, James N., Moody, and Simich. 3,006,401.
Acme Visible Records, Inc.: *See*—
Reid, Donald L., and Loyd. 2,975,537.
Toms, Lloyd M. 3,013,853.
Acme Wire Co., The: *See*—
Benson, Norman E. 2,977,562.
Benson, Norman E. 3,007,080.
Acomb, Byron H., to Union Carbide Corp. Automatic changeover manifold. 2,968,162, 1–17–61, Cl. 62—50.
Acomb, Byron H., to Union Carbide Corp. Pinch valves. 2,986,160, 5–30–61, Cl. 137—505.22.
Acomb, Byron H., to Union Carbide Corp. Preheat flame control. 3,010,468, 11–28–61, Cl. 137—114.
Acorn Engineering Co.: *See*—
Morris, Earl L., and Curtice. 3,012,250.
Acosta, Gabriel I., and G. Acosta C. Three dimensional greeting card. 2,984,920, 5–23–61, Cl. 40—124.1.
Acosta C., Gonzalo: *See*—
Acosta, Gabriel I., and Acosta C. 2,984,920.
Acoustica Associates, Inc.: *See*—
Damast, Martin A. 3,013,256.
Leonhardt, Charles G. 2,994,332.
Leonhardt, Charles G., and Baldwin. 3,007,478.
Kenny, Morris. 2,990,482.
Rod, Robert L. 2,989,965.
Rod, Robert L. 2,990,543.
Rod, Robert L., and Church. 2,998,535.
Smith, Preston W., Jr., and Junger. 2,998,723.
Acra Electric Corp.: *See*—
Browne, Donald W. 2,976,387.
Acres, Richard L., to W. F. Curlee. Method of mounting a captive fastener. 2,987,811, 6–13–61, Cl. 29—437.
Acrometal Products, Inc.: *See*—
Bieber, Frederick J., and Steinback. 2,996,265.
Harris, Edward H. 2,996,321.
Acrow (Engineers) Ltd.: *See*—
Voight, Douglas A. 2,996,160.
Acro-Welder Mfg. Co.: *See*—
Stolz, Desmond, and Letsche. 2,996,603.
Stolz, Desmond, and Letsche. 3,011,045.
Acterman, Joseph S.: *See*—
Freebairn, Darwin L., Jr., and Acterman. 2,978,913.
Actiengesellschaft Joh. Jacob Rieter & Cie: *See*—
Graf, Felix. 2,984,062.
Lattion, André. 3,007,210.
Würmli, Arthur. 3,006,034.
Actis, Paul. Device for bonding soles to footwear. 2,985,901, 5–30–61, Cl. 12—38.
Acton, Daniel D., to Anchor Hocking Glass Corp. Method and means for forming and inserting gasket blanks in closures. 2,999,531, 9–12–61, Cl. 154—15.
Acton, Daniel D., to Anchor Hocking Glass Corp. Closure cap. 3,006,493, 10–31–61, Cl. 215—44.
Acton, John R., to Ericsson Telephones Ltd. Stepping or counting device. 2,996,622, 8–15–61, Cl. 250—208.
Acton Laboratories, Inc.: *See*—
Forrest, John W. 2,982,824.
Acton, Russel D. Stroke controls for hydraulic systems. 2,970,655, 2–7–61, Cl. 172—316.
Actuation Research Corp.: *See*—
Kaswan, Siegfried. 2,974,921.
Adacusky, Joseph W., to Brock & Co., Inc. Box closing machine. 2,991,610, 7–11–61, Cl. 53—376.
Ad-A-Day Co., Inc.: *See*—
Cross, Carroll N., and Hayhow. 3,013,359.
Hayhow, Cyril D. 2,992,500.
Adair, Frank M., and G. E. Hoenig, to Western Electric Co., Inc. Combined safety and material handling device. 2,990,578, 7–4–61, Cl. 18—30.
Adair, George: *See*—
Crine, George L., Sr., and Adair. 2,998,738.
Adair, Harry E., ⅛ to R. C. Adair, and ⅛ to R. H. Adair, Jr. Sunken object marker and retriever. 3,007,437, 11–7–61, Cl. 116—124.
Adair, Paul F., to Jet Ignition Co., Inc. Instrument. 3,004,530, 10–17–61, Cl. 123—119.
Adair, Richard H., Jr.: *See*—
Adair, Harry E. 3,007,437.
Adair, Robert V., and O. F. Bauer, to The Gleason Works. Method and apparatus for quench hardening. 3,007,823, 11–7–61, Cl. 148—131.
Adair, Russell C.: *See*—
Adair, Harry E. 3,007,437.
Adair, Samuel E., and E. A. Fox, to General Motors Corp. Gear mechanism. 3,010,336, 11–28–61, Cl. 74—394.
Adam, Eugene C. Emergency vehicle alarm device. 2,994,765, 8–1–61, Cl. 250—2.
Adam, Folger: *See*—
Young, Charles F. 3,009,545.
Adam, Frank, Electric Co.: *See*—
Ellegood, Pruett W. 2,997,627.
Hercules, Lester A. 2,988,612.
Lewis, Harold A. 2,992,401.
Adam, Grace J. Means for the partial restriction of the arms of children suffering from infantile eczema and the like. 3,008,466, 11–14–61, Cl. 128—133.
Adam, Karl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of xylene diamines. 3,009,957, 11–21–61, Cl. 260—570.9.
Adamek, Eduard G.: *See*—
Gaver, Kenneth M., and Adamek. 3,014,921.
Adams, Albert: *See*—
Clark, Howard P., and Adams. 2,968,525.
Adams, Albert, and W. B. Dancy, to International Minerals & Chemical Corp. Beneficiation of potash ores. 2,984,348, 5–16–61, Cl. 209—12.
Adams, Albert, and W. B. Dancy, to International Minerals & Chemical Corp. Beneficiation of potash ores. 3,008,655, 11–14–61, Cl. 241—20.
Adams, Albert H.: *See*—
Ginaven, Marvin E., and Adams. 2,975,096.
Adams, Alden R., to American Viscose Corp. Cross-linking fibers with diisocyanates in dimethylsulfoxide. 3,007,763, 11–7–61, Cl. 8—116.2.
Adams, Alfred B., and T. T. Sadoski, to W. R. Grace & Co. Coatings for masonry building units. 2,995,534, 8–8–61, Cl. 260—23.
Adams, Andrew O.: *See*—
Schuessler, John C., and Adams. 2,975,341.
Adams, Archie D.: *See*—
Warner, Paul F., and Adams. 3,004,071.

Adams, Benjamin F., Jr.: *See*—
Moler, George L., and Adams. 2,991,537.
Adams, Campbell V., to Vulcan Iron Works, Inc. Pile driving hammer. 3,013,541, 12–19–61, Cl. 123—7.
Adams, Cecil E., to American Brake Shoe Co. Power operated brake operating apparatus. 2,998,869, 9–5–61, Cl. 188—152.
Adams, Cecil E. Fluid pressure energy translating device. 3,012,511, 12–12–61, Cl. 103—42.
Adams, Cecil S., to Adams, Inc. Drop-wire latching device. 3,008,285, 11–14–61, Cl. 57—81.
Adams, Charles C., and W. K. Gillett. Method of sterilizing surgical gut with liquid ethylene oxide. 2,977,182, 3–28–61, Cl. 8—94.11.
Adams, Charles J., to General Electric Co. Motor-protecting relay. 2,976,463, 3–21–61, Cl. 317—41.
Adams, Charles J., to General Electric Co. Electric control unit. 2,999,222, 9–5–61, Cl. 339—186.
Adams, Charles R.: *See*—
Armstrong, Warren E., Voge, and Adams. 2,991,322.
Voge, Hervey H. 2,991,321.
Adams, Clark E.: *See*—
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Adams, Clark E., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Hydrocracking catalyst and process for hydrocracking shale oils. 2,980,604, 4–18–61, Cl. 208—111.
Adams, Clark E., L. M. Addison, and W. M. Smith, to Esso Research and Engineering Co. Process for revivifying contaminated cracking catalysts. 2,981,676, 4–25–61, Cl. 208—120.
Adams, Daniel M., to General Motors Corp. Windshield wiper blade. 3,009,185, 11–21–61, Cl. 15—250.33.
Adams, Dennis A. W., and A. K. Sarkar, to Hickson & Welch Ltd. Pyrazolo and indazolo triazolyl stilbene disulfonic acids. 2,989,527, 6–20–61, Cl. 260—240.
Adams, Dolor N.: *See*—
Bradford, John R., and Adams. 2,971,461.
Adams, Doyle: *See*—
Odell, Albert S. 2,981,313.
Adams, Edmond, and W. M. Hubbard. Magnetic tape recorder heads. 2,992,474, 7–18–61. Cl. 29—182.5.
Adams, Edmond, and W. M. Hubbard, to United States of America, Navy. Sintered magnetic alloy and methods of production. 2,988,806, 6–20–61, Cl. 29—182.5.
Adams, Elmer L., and R. C. Gasmire, to Owens-Illinois Glass Co. Guiding means for plastic tubing. 2,998,621, 9–5–61, Cl. 18—5.
Adams Engineering Co.: *See*—
Bridgewater, Thomas E. 3,000,579.
Adams, Ernest C. Safety release electrical plug. 2,986,719, 5–30–61, Cl. 339—45.
Adams, Ernest C., Jr., to Miles Laboratories, Inc. Diagnostic composition. 2,982,700, 5–2–61, Cl. 195—103.5.
Adams, Ernest C., Jr., and J. A. Peterson, to Miles Laboratories, Inc. Specific test composition for occult blood. 3,012,976, 12–12–61, Cl. 252—408.
Adams, Eugene V.: *See*—
Pagano, Joseph F., and Adams. 2,986,497.
Adams, Francis V., to International Business Machines Corp. Compacted word storage system. 2,968,792, 1–17–61, Cl. 340—172.5.
Adams, Francis V., and W. L. Swanton, to International Business Machines Corp. Data storage system. 2,992,413, 7–11–61, Cl. 340—172.5.
Adams, Frank E. Double hung window. 3,011,224, 12–5–61, Cl. 20—52.3.
Adams, Fred, to General Motors Corp. Vehicle brake. 2,999,567, 9–12–61, Cl. 188—181.
Adams, Fred A. Semi-conductor control circuit for tuyere puncher. 2,970,230, 1–31–61, Cl. 307—112.
Adams, Frederic H.: *See*—
Hardy, William B., and Adams. 3,004,038.
Lecher, Hans Z., and Adams. 2,977,329.
Adams, George F. and W. C. Well screen assembly. 2,973,814, 3–7–61, Cl. 166—228.
Adams, George L., to The Salem Tool Co. Air drill stem. 2,967,724, 1–10–61, Cl. 285—330.
Adams, George L., to The Salem Tool Co. Tiltable deep mining auger machine. 2,979,320, 4–11–61, Cl. 262—26.
Adams, George M., to Union Carbide Corp. Printed plastic films. 2,974,057, 3–7–61, Cl. 117—12.
Adams, George P., to Western Electric Co., Inc. Cable coiling, cutting and stripping apparatus. 2,981,129, 4–25–61, Cl. 81—9.51.
Adams, George R., and T. R. Cleary, to Sperry Rand Corp. Document sensing method and system utilizing infra-red stimulated phosphors. 3,012,667, 12–12–61, Cl. 209—111.5.
Adams, Gerald J., to A. Alford. Omnidirectional vertically polarized antenna. 2,973,515, 2–28–61, Cl. 343—770.
Adams, Gilbert T., to Dover Corp. Door clutch mechanism. 2,974,751, 3–14–61, Cl. 187—52.
Adams, Gilbert T., to Dover Corp. Power operator for elevator doors and the like. 2,998,245, 8–29–61, Cl. 268—53.
Adams, Harold E., to Nash Engineering Co. Compressor. 3,006,533, 10–31–61, Cl. 230—79.
Adams, Harold K. Scribing or engraving instrument for map making. 2,981,002, 4–25–61, Cl. 33—32.
Adams, Inc.: *See*—
Adams, Cecil S. 3,008,285.
Bailey, Felton B. 3,010,273.
Adams, Irving, and A. G. Wolff, to United States of America, Army. Method of producing electroluminescent aluminum nitride. 2,997,446, 8–22–61, Cl. 252—301.4.
Adams, Jack J., and G. L. Gunderman, to The Dow Chemical Co. Process for applying finishing overlays to panels. 3,006,799, 10–31–61, Cl. 156—283.
Adams, Joe T.: *See*—
Guest, Howard R., and Adams. 2,972,599.
Guest, Howard R., Adams, and Kiff. 2,970,985.
Guest, Howard R., Adams, and Stansbury. 2,996,516.
Adams, John P. Ratchet. 2,987,931, 6–13–61, Cl. 74—143.
Adams, John R.: *See*—
Clifford, Thomas W., and Adams. 2,988,974.
Adams, Joseph B., J. C. Bresee, L. M. Ferris, and C. D. Scott, to United States of America, Atomic Energy Commission. Continuous process for preparing uranium hexafluoride from uranium tetrafluoride and oxygen. 3,009,768, 11–21–61, Cl. 23—14.5.
Adams, Julius, to W. Rogers, as assignee for the benefit of creditors of Presto Brick Machine Corp. Machine for manufacturing building blocks. 2,987,795, 6–13–61, Cl. 25—41.
Adams, Karl. Valve. 3,007,487, 11–7–61, Cl. 137—495.
Adams, Leo G.: *See*—
Shannon, Richard F., Matuszak, Adams, and Gillaum. 2,979,469.
Adams, Leon M.: *See*—
Wadsworth, Francis T., and Adams. 2,997,371.
Adams, Leon M., to Standard Oil Co. Melting point apparatus. 3,008,325, 11–14–61, Cl. 73—17.
Adams, Loyd W., to Phillips Petroleum Co. Suspension of sulfur in aqua ammonia and method and apparatus for producing same. 3,006,755, 10–31–61, Cl. 71—61.
Adams, Loyd W., to Phillips Petroleum Co. Production of aqua ammonia and ammonium phosphate. 3,008,801, 11–14–61, Cl. 23—107.
Adams, Loyd W., and R. K. Simms, to Phillips Petroleum Co. Recovery of ammonia from aqua ammonia. 2,977,197, 3–28–61, Cl. 23—193.
Adams, Madison B., to Winfrey Bros., Inc. Hoist attachment for fork lift trucks. 3,007,592, 11–7–61, Cl. 214—620.
Adams-Millis Corp.: *See*—
Getaz, James L. Re. 24,971.
Adams, Milton R.: *See*—
Rogers, Francis R., and Adams. 3,007,486.
Adams, Monte E. Cultivating and weeding implements. 3,000,451, 9–19–61, Cl. 172—372.
Adams, Monte E. Cultivating and weeding hand tools. 3,000,452, 9–19–61, Cl. 172—372.
Adams, Myron D.: *See*—
Vernam, Gilbert S., Adams, Chojnowski, Blanton, and Jansson. 3,006,986.
Adams, Parks M. Surface grinder. 3,002,323, 10–3–61, Cl. 51—102.
Adams, Phillip: *See*—
Beinfest, Sidney, Adams, Halpern, and Weiss. 3,014,807.
Beinfest, Sidney, Adams, and Marshik. 2,996,541.
Adams, Pierrepont. Magnetic recording composition and device. 2,970,069, 1–31–61, Cl. 117—132.
Adams, Quandt M., to The B. F. Goodrich Co. Stabilized carboxylic monomers. 2,978,501, 4–4–61, Cl. 260—526.
Adams, Ralph C., to Pfaudler Permutit, Inc. Underdrains. 3,004,668, 10–17–61, Cl. 210—293.
Adams, Ralph D., to Apasco Corp. Hospital booties. 3,013,184, 12–12–61, Cl. 317—2.
Adams, Richard E. Bag. 2,980,314, 4–18–61, Cl. 229—65.
Adams, Richard F., to Olin Mathieson Chemical Corp. Fabrication of hollow articles. 2,982,013, 5–2–61, Cl. 29—157.3.
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Eads, Charles L. 2,989,859.
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Eads, Charles L. 3,011,817.
Adams, Robert P., and W. J. Popowsky, to Minneapolis-Honeywell Regulator Co. Measuring apparatus. 2,987,682, 6–6–61, Cl. 332—31.
Adams, Robert T.: *See*—
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Adams, Robert T., to International Telephone and Telegraph Corp. Combining system for diversity communication systems. 2,975,275, 3–14–61, Cl. 250—20.
Adams, Robert T., and J. B. Harvey, to International Telephone and Telegraph Corp. Maximum slope pulse detector. 2,975,367, 3–14–61, Cl. 328—114.
Adams, Robert T., and B. M. Mindes, to International Telephone and Telegraph Corp. Radio diversity receiving system. 2,979,613, 4–11–61, Cl. 250—20.
Adams, Robert T., and J. B. Harvey, to International Telephone and Telegraph Corp. Apparatus to measure unbalance in gyroscopes. 2,995,934, 8–15–61, Cl. 73—462.
Adams, Robert T., B. M. Mindes, and Z. G. Lyon, to International Telephone and Telegraph Corp. Post-detection diversity combining system. 3,013,151, 12–12–61, Cl. 250—20.
Adams, Roy D. System for picking up readings of the dial wheels of a mechanical counter. 2,989,230, 6–20–61, Cl. 235—1.
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Pearson, Richard K., Benz, and Adams. 3,014,025.
Adams, Roy M., and R. K. Pearson, to Callery Chemical Co. Preparation of diborane. 2,968,531, 1–17–61, Cl. 23—204.

Adams, Rudolph A.: *See*—
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Heuer, Charles A., and Adams. 2,991,543.

Adams, Simpson J. Control system for textile machines. 2,971,320, 2–14–61, Cl. 57—81.

Adams, Thomas O., to E. W. Bliss Co. Roll feed. 3,013,708, 12–19–61, Cl. 226—156.

Adams, Virgil K. Photoprint drier. 2,994,134, 8–1–61, Cl. 34—145.

Adams, Warren C.: *See*—
Adams, George F., and W. C. 2,973,814.

Adams, Wayne W., and R. M. Hendricks; said Hendricks assor. to T. Garrison. Automatic hay baler trailer. 3,010,593, 11–28–61, Cl. 214—519.

Adams, William D.: *See*—
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Adamsheck, James H., and R. J. Rowley, to Collins Radio Co. Turret assembly. 3,005,115, 10–17–61, Cl. 307—156.

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Adamsky, Nikolay W., 25% to H. J. Adamsky, and 25% to V. Adamsky. Window shade. 2,970,643, 2–7–61, Cl. 160—21.

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Adamson, Colin, and J. L. Dineley, to The English Electric Co. Ltd. Protection of electrical power circuits. 2,977,510, 3–28–61, Cl. 317—36.

Adamson, Floyd E., and H. J. Bichsel, to Westinghouse Electric Corp. Arc-welding apparatus. 3,013,144, 12–12–61, Cl. 219—131.

Adamson, Percy, and J. S. Stewart, to Babcock & Wilcox Ltd. Stud welding machine for aerofoil section studs. 3,014,120, 12–19–61, Cl. 219—103.

Adany, Leon, to Societe Anonyme dite: Nobel-Bozel. Preparation of grafted polymer compositions. 2,984,608, 5–16–61, Cl. 204—154.

Addamiano, Arrigo, to General Electric Co. Preparation of metal phosphides. 3,008,805, 11–14–61, Cl. 23—204.

Addis, Charles E., to Bulpitt and Sons Ltd. Locating device for articles in a container. 3,001,639, 9–26–61, Cl. 206—46.

Addis, Wendell A., to Millers Falls Co. Power operated belt sanding machine. 2,991,595, 7–11–61, Cl. 51—170.

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Deutsch, Fritz A. 3,010,387.
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Maul, John A. 2,982,205.
Oransky, Raymond L., and Romig. 3,006,274.
Rudd, Charles F., and Brisbin. 2,969,727.

Adel, Alf F., to Admiral Corp. Sonic sender. 2,979,022, 4–11–61, Cl. 116—137.

Adelaar, Hans H., and J. L. Masure, to International Standard Electric Corp. Triggered thyratron pulse distributor with standby tube. 2,997,626, 8–22–61, Cl. 315—84.5.

Adelberg, Edward A., and D. W. Weiss. Animal enclosure. 2,988,044, 6–13–61, Cl. 119—15.

Adell, Franklin Z.: *See*—
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Adell, Marvin M.: *See*—
Adell, Robert. 3,010,759.

Adell, Robert, to F. Z. and M. M. Adell. Ornamental and edge protective molding for automobile doors. 3,010,759, 11–28–61, Cl. 296—44.

Adelman, Barnet R., to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,980,021, 4–18–61, Cl. 102—70.2.

Adelman, Barnet R., to Phillips Petroleum Co. Means to prevent perforation of starter disk during ignition delay. 2,982,090, 5–2–61, Cl. 60—35.6.

Adelman, Barnet R., to Phillips Petroleum Co. Coated ammonium nitrate propellants. 3,005,692, 10–24–61, Cl. 52—.5.

Adelman, Barnet R., to Phillips Petroleum Co. Rocket grain and method for restricting same. 3,010,354, 11–28–61, Cl. 86—1.

Adelson, Samuel L., to Infilco Inc. Means for controlling the concentration of a suspension. 2,998,019, 8–29–61, Cl. 137—92.

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Ades, Viola G. Cigarette. 2,998,820, 9–5–61, Cl. 131—10.

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Adickes, Cecil F. Guying television antennas. 2,976,967, 3–28–61, Cl. 189—31.5.

Adinolfi, Michael. Automatic lock for cloth covered buttons. 2,977,653, 4–4–61, Cl. 24—113.

Adkins, Eugene M., Jr., to Celanese Corp. of America. Process and apparatus for producing core yarns. 2,990,673, 7–4–61, Cl. 57—36.

Adkins, Mason B. Cable clip for positive and negative battery terminals. 3,008,114, 11–7–61, Cl. 339—32.

Adkins, Theodore E. Refrigerated display unit. 2,973,631, 3–7–61, Cl. 62—246.

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Adler, Charles R., and L. C. Bartlett, to Eastman Kodak Co. Method and apparatus for manufacturing colored sheeting. 2,972,546, 2–21–61, Cl. 106—196.

Adler, Clarence E., and G. T. Gray, to Toledo Scale Corp. Printer. 2,996,002, 8–15–61, Cl. 101—269.

Adler, Franklin P.: *See*—
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Adler, Fred, to Standard Motor Products, Inc. Ignition point set and cam lubricator assembly. 2,979,577, 4–11–61, Cl. 200—30.

Adler-Jones Co.: *See*—
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Adler, Joseph L., Jr. Garland construction. 2,984,036, 5–16–61, Cl. 41—10.

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Adler, Robert, to Zenith Radio Corp. Brillouin flow gun. 2,997,615, 8–22–61, Cl. 313—84.

Adler, Robert, to Zenith Radio Corp. Superregenerative remote control receiver. 3,001,177, 9–19–61, Cl. 340—171.

Adler, Robert, and M. L. Anthony, to P. G. S. Mero. Control system. 2,977,414, 3–28–61, Cl. 178—18.

Admiral Corp.: *See*—
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Bleam, Howard. 3,013,259.
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Carlson, Reuben C. 2,989,629.
Carrozza, Roy J., Potocki, and Campagna. 3,001,786.
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Holpuch, Clarence J. 2,990,723.
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Squire, Herbert D. 3,001,225.
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Vistain, James E., Jr. 2,983,515.
Vistain, James E., Jr. 2,989,311.
Vistain, James E., Jr. 2,989,312.

Adolphson, Carl, and E. G. King, to Puget Sound Pulp & Timber Co. Drilling muds and the like incorporating a treated sulfonated lignin containing material, and process for producing same. 3,007,864, 11–7–61, Cl. 252—8.5.

Adolphson, Carl, and E. G. King, to Puget Sound Pulp & Timber Co. Treated sulfonated lignin containing materials, and process for producing same. 3,007,910, 11–7–61, Cl. 260—124.

Adolphson, Edward J.: *See*—
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Adolphson, Gottfrid. Wrench socket set. 2,991,678, 7–11–61, Cl. 81—185.

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Advance Engineering Co.: *See*—
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Advertising Metal Display Co.: *See*—
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Advertising Products, Inc.: *See*—
Clark, Eugene W. 3,004,358.

Aeberhardt, Maurice, H. Egli, A. Mikula, and M. Perrig, to Sandoz A.G. Process for the level dyeing of textile materials composed of polyamide fibers which possess irregular affinity for dyestuffs. 3,012,842, 12–12–61, Cl. 8—55.

Aegerter, August S. Operating means for a slidable side jaw wrench. 3,000,246, 9–19–61, Cl. 81—165.

Aelony, David, to General Mills, Inc. Polyallylation of phenol. 2,968,679, 1–17–61, Cl. 260—612.

Aeolian-Skinner Organ Co., Inc.: *See*—
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Aero Chem Research Laboratories, Inc.: *See*—
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Campbell, William E., Brown, and Antonio. 3,000,718.
Chestnut, John D. 3,002,454.
Conway, Carle C., III. 3,000,360.
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Cox, Robert B. 2,978,304.
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Edmondson, Robert B. 2,979,640.
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Frankel, Milton B. 3,000,945.
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Aeschlimann, John A., and A. Stempel, to Hoffmann-La Roche Inc. Certain 1-arylsulfonyl-3-(tetrahydrodicyclopentadien-9-yl)ureas. 2,969,391, 1–24–61, Cl. 260—553.

Aeschlimann, John A., and A. Stempel, to Hoffmann-La Roche Inc. Certain 1-arylsulfonyl-3-(cis-2-decalyl) ureas. 2,974,166, 3–7–61, Cl. 260—553.

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Af Ekenstam, Bo T., A. R. B. Furendal, and B. H. F. von Fieandt, to Aktiebolaget Bofors. Rigid supporting dressing. 2,969,791, 1–31–61, Cl. 123—90.

Af Ekenstam, Bo T., and F. R. Svensson, to Kooperativa Forbundet. Packing arrangement for objects enclosed in a band provided with compartments. 2,989,212, 6–20–61, Cl. 221—25.

Affelder, Charles J. Amplitude modulation monitor. 2,984,796, 5–16–61, Cl. 332—39.

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Africano, Alfred, G. D. Brewer, and W. J. Harrington, to United States of America, War. Rocket construction. 2,976,805, 3–28–61, Cl. 102—49.

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Agar, William O., to Marconi's Wireless Telegraph Co. Ltd. Frequency responsive circuit arrangements. 2,969,504, 1–24–61, Cl. 324—79.

Agarwal, Jagdish C., to United States Steel Corp. Three-stage fluidized-reduction process. 2,996,373, 8–15–61, Cl. 75—26.

Agarwal, Jagdish C., and W. L. Davis, Jr., to United States Steel Corp. Process for quenching hot iron powder agglomerates. 2,975,086, 3–14–61, Cl. 148—134.

Agency of Industrial Science and Technology, Ministry of International Trade and Industry: *See*—
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Aghnides, Elie P. Composite wheel. 2,967,580, 1–10–61, Cl. 180—22.

Aghnides, Elie P. Tandem wheel vehicle having tilted axles. 2,967,581, 1–10–61, Cl. 180—30.

Aghnides, Elie P. Easily cleanable fluid mixing devices. 2,998,923, 9–5–61, Cl. 239—106.

Aghnides, Elie P. Aerating faucet. 2,998,925, 9–5–61, Cl. 239—430.

Aghnides, Elie P. Aerator with improved air supply. 2,998,926, 9–5–61, Cl. 239—430.

Aghnides, Elie P. Fluid mixing devices. 2,998,927, 9–5–61, Cl. 239—431.

Aghnides, Elie P. Fluid mixing devices. 2,998,928, 9–5–61, Cl. 239—431.

Aghnides, Elie P. Water aerators. 2,998,929, 9–5–61, Cl. 239—431.

Aghnides, Elie P. Water aerator diaphragms. 2,998,930, 9–5–61, Cl. 239—431.

Aghnides, Elie P. Faucet aerators. 2,998,931, 9–5–61, Cl. 239—431.

Aghnides, Elie P. Framed movable screens for use in aerator devices. 2,998,932, 9–5–61, Cl. 239—432.

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Agins, George, to American Bosch Arma Corp. Gyro compass. 2,968,956, 1–24–61, Cl. 74—5.9.

Agins, George, to American Bosch Arma Corp. Stabilizing and calculating mechanism. 2,987,927, 6–13–61, Cl. 74—5.4.

Agins, George, to American Bosch Arma Corp. Gyroscope stabilizing mechanism. 2,989,672, 6–20–61, Cl. 318—19.

Agins, George, to American Bosch Arma Corp. Instrument stabilization system. 3,009,361, 11–21–61, Cl. 74—5.47.

Agins, George, C. D. Bock, and R. Y. Miner, to American Bosch Arma Corp. Electro-mechanical feedback control system. 2,988,685, 6–13–61, Cl. 318—448.

Agins, George, C. D. Bock, and R. Y. Miner, to American Bosch Arma Corp. Rate computer for gun control systems. 3,007,634, 11–7–61, Cl. 235—61.5.

Agius, Peter J. V. J., A. M. Dominey, and R. E. Pegg, to Esso Research and Engineering Co. Phosphosulfurized lubricating oil additive. 2,969,323, 1–24–61, Cl. 252—32.7.

Agius, Peter J. V. J., and P. R. Morris, to Esso Research and Engineering Co. Oil soluble copolymers of azomethines with unsaturated organic compounds. 2,984,654, 5–16–61, Cl. 260—89.5.

Agnello, Eugene J., B. M. Bloom, and G. D. Laubach, to Chas. Pfizer & Co., Inc. 16α-17α-epoxido-Δ⁴-pregnene-21-ol-3,20-dione derivatives and the 21-esters thereof. 2,976,283, 3–21–61, Cl. 260—239.55.

Agnello, Eugene J., and G. D. Laubach, to Chas. Pfizer & Co., Inc. A-ring aromatic Δ⁶-steroids and their preparation. 2,977,284, 3–28–61, Cl. 167—77.

Agnello, Eugene J., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Process for preparing 17 beta-pyruvoyl steroid compounds. 2,977,377, 3–28–61, Cl. 260—397.45.

Agnello, Eugene J., B. M. Bloom, and G. D. Laubach, to Chas. Pfizer & Co., Inc. 14α-hydroxy hydrocortisone, cortisone and derivatives. 2,984,678, 5–16–61, Cl. 260—397.45.

Agnello, Eugene J., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Δ4,6-3-keto steroid compounds. 2,992,216, 7–11–61, Cl. 260—239.55.

Agnello, Richard W., and M. Dabich, to F. Jos. Lamb Co. Storing and distributing conveyors. 2,978,120, 4–4–61, Cl. 214—16.

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O'Brien, William J., and Agostinelli. 2,997,746.

Agrell, William C., to Thomas Industries, Inc. Lighting fixture. 3,004,144, 10–10–61, Cl. 240—11.2.

Agron, Albert, and R. A. Clifford, to Twin Lock, Inc. Electric terminal construction. 2,988,726, 6–13–61, Cl. 339—198.

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Aguirre Gonzalez, Jose. Fluid tight rim assembly. 2,968,332, 1–17–61, Cl. 152—405.

Ahearn, John F., and L. F. Kilham, Jr., to Raytheon Co. Electrical cooling system. 2,985,707, 5–23–61, Cl. 174—15.

Ahlberg, Karl J. W., and K. E. Andersson. Apparatus for producing turned over flange on the end of a pipe. 2,981,306, 4–25–61, Cl. 153—81.

Ahlbor, Valter A., to Arenco Aktiebolag. Cigarette packing machine. 2,997,828, 8–29–61, Cl. 53—59.

Ahlborn, Edward L. Magnetically adjustable hair trimmer. 2,967,354, 1–10–61, Cl. 30—30.

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Ahlburg, Frank. Potato marking device. 2,982,203, 5–2–61, Cl. 101—37.

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Ahlen, Karl G., to Svenska Rotor Maskiner Aktiebolag. Driving units for vehicles or the like. 2,985,034, 5–23–61, Cl. 74—645.

Ahlen, Karl G., to Svenska Rotor Maskiner Aktiebolag. Hydraulic torque converter of the closed circuit type. 3,005,359, 10–24–61, Cl. 74—732.

Ahlert, Wilhelm, to Elektro-Thermit G.m.b.H. Mold for aluminothermic welding of rails and the like. 3,007,217, 11–7–61, Cl. 22—116.

Ahlgren, Axel W., to Amerock Corp. Strike for spring catches. 2,993,718, 7–25–61, Cl. 292—340.

Ahlm, Carl E., Jr., and E. B. Brookbank, Jr., to The Mead Corp. Paper manufacture. 3,001,887, 9–26–61, Cl. 117—1.

Ahlquist, Russell W., to The American Hardware Corp. Door stop. 3,010,142, 11–28–61, Cl. 16—86.

Ahrens, Alfred. Conductor bar for electrical machines. 3,011,082, 11–28–61, Cl. 310—64.

Ahrens, Loomis H. Garment cabinet. 2,968,520, 1–17–61, Cl. 312—246.

Ahrons, Richard W., L. L. Burns, Jr., and L. B. Johnston, to Radio Corp. of America. Television brightness and control circuit. 3,009,989, 11–21–61, Cl. 178—5.4.

Ahsmann, Gerardus J. M., and H. J. Oskam, to North American Philips Co., Inc. Electric discharge device having a low impedance at acoustic frequencies. 2,988,664, 6–13–61, Cl. 313—226.

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Aiken, William R., to Kaiser Industries Corp. Electronic control system. 2,972,703, 2–21–61, Cl. 315—10.
Aiken, William R., to Kaiser Industries Corp. Electronic control system. 2,978,601, 4–4–61, Cl. 313—92.
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Ainsworth, John E., Jr. Pressure measuring device. 2,968,947, 1–24–61, Cl. 73—398.
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Aktiebolaget Atomenergi: *See*—
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Aktiebolaget Atvidaberg-Facit: *See*—
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Axelsson, Sten S. 2,969,054.
Cederblad, Knut A. 3,014,509.
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Engborg, Nils H., and Gustafsson. 2,989,919.
Larsson, Börje I., and Wormbs. 3,011,077.
Malm, Karl O. B. 2,970,544.
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Palsson, Lennart P. 2,990,900.
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Aktiebolaget Broby Armaturfabrik: *See*—
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Aktiebolaget C. E. Johansson: *See*—
Edenholm, Bert E., and Larsson. 2,986,818.
Aktiebolaget Celleco: *See*—
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Caudry, Edouard. 2,978,277.
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Descarries, Raymond. 2,986,757.
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Descarries, Raymond. 3,012,268.
Descarries, Raymond. 3,013,287.
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Gaudry, Paul E. 2,998,864.
Grunwald, Wolfgang. 3,003,549.
Jarnholt, Per E. 3,002,455.
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Liebmann, Werner H. 2,994,567.
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Aktiebolaget Svenska Jarnvagsverkstaderna: *See*—
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Aktiebolaget Svenska Metallverken Vasteras: *See*—
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Akutowicz, Frank. Expansion nut assembly. 2,974,557, 3–14–61, Cl. 85—33.
Akutowicz, Frank. Hydraulic damper. 3,002,741, 10–3–61, Cl. 267—8.
Akutowicz, Frank. Traction harness. 3,006,397, 10–31–61, Cl. 152—221.
Akutowicz, Frank. Automobile steering linkage. 3,008,727, 11–14–61, Cl. 280—95.
Alaback, Glenn J., to Whirlpool Corp. Combined room warmer and clothes drier. 2,983,050, 5–9–61, Cl. 34—90.
Aladdin Industries, Inc.: *See*—
Bramming, Carl. 2,979,238.
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Albanes, Nicholas J., to International Business Machines Corp. Data storage unit. 2,989,731, 6–20–61, Cl. 340—172.5.
Albanese, Philip: *See*—
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Albanese, Victor J., to Bogart Mfg. Corp. Multi-band antenna test shield. 2,988,740, 6–13–61, Cl. 343—703.
Albanese, Victor J., and H. Kagan, to Bogart Mfg. Corp. Rotary joint for microwave energy. 3,011,137. 11–28–61, Cl. 333—98.
Albaum, Harry G., and E. K. Harvill, to Miles Laboratories, Inc. Test composition for serum enzymes. 2,987,450, 6–6–61, Cl. 195—103.5.
Albaum, Harry G., and E. K. Harvill, to Miles Laboratories, Inc. Composition for colorimetric test for serum enzymes. 2,999,052, 9–5–61, Cl. 195—103.5.
Albedyhl, Karl H., to Moeller & Neumann G.m.b.H. Roller guide for rolling mills. 2,976,749, 3–28–61, Cl. 80—51.
Albee, Percy F., Jr., to Q-Panel Corp. Storm window construction. 3,009,515, 11–21–61, Cl. 160—369.
Albee, Percy F., Jr., to Q-Panel Corp. Window sash frame construction. 3,009,516, 11–21–61, Cl. 160—381.
Albee, Percy F., Jr., to Q-Panel Corp. Enclosure structure. 3,011,600, 12–5–61, Cl. 189—34.
Albee, William H., to J. G. Holland. Vehicle comprising a flexible-walled, fluid-distensible, ground-contacting and load-supporting roller. 2,990,026, 6–27–61, Cl. 180—74.
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Schlicksupp, Theodore F. 2,995,244.
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Albers-Schoenberg, Ernst, to Steatite Research Corp. Ferrites for microwave applications. 2,981,688, 4–25–61, Cl. 252—62.5.

Albers-Schoenberg, Ernst, to Steatite Research Corp. Square loop ferrites. 2,981,689, 4–25–61, Cl. 252—62.5.

Albers-Schoenberg, Ernst, to Steatite Research Corp. Ferrites with square hysteresis loops. 2,981,690, 4–25–61, Cl. 252—62.5.

Albers-Schoenberg, Ernst, to Indiana General Corp. Process and apparatus for firing ceramic ferrites. 2,994,522, 8–1–61, Cl. 263—41.

Albers-Schoenberg, Ernst, to Steatite Research Corp. Square loop ferrites. 3,007,875, 11–7–61, Cl. 252—62.5.

Albert, Donald B.: *See*—
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Albert, Donald J., and R. N. Ferry, to Eastman Kodak Co. Projection apparatus. 2,986,967, 6–6–61, Cl. 88—24.

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Albert, Harry E., to The Firestone Tire & Rubber Co. Reaction productions of a sulfur chloride and N,N'-dialkylphenylenediamines as rubber antiozonants. 2,991,271, 7–4–61, Cl. 260—45.9.

Albert, Heinz, and W. Tacke, to Reeves Brothers, Inc. Method for recialming scrap polyurethane resin. 2,998,395, 8–29–61, Cl. 260—2.3.

Albert, Joseph J., to the Martin Co. Nonradiating velocity detection system. 3,004,219, 10–10–61, Cl. 324—70.

Albert, Leroy F.: *See*—
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Albert Mfg. Co.: *See*—
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Albert, Pierre L. L. Single spring push-button switch. 3,015,005, 12–26–61, Cl. 200—67.

Albert, Robert E., and W. G. Vosburgh, to E. I. du Pont de Nemours and Co. Polypiperazine adipamides having high inherent viscosity. 2,996,482, 8–15–61, Cl. 260—78.

Albert, Willard S., to Westinghouse Electric Corp. Semiconductor device. 3,010,057, 11–21–61, Cl. 317—234.

Albert, William E., to Pettibone Mulliken Corp. Reaching and self-leveling loader. 3,001,654, 9–26–61, Cl. 214—140.

Alberti, Carlo G., and A. Vercellone, to Societa Farmaceutici Italia. Diaminonitropropiophenones and process of preparation. 2,980,674, 4–18–61, Cl. 260—247.2.

Albertini, Sauro A. Device for reshaping the tips of ball point pens. 2,970,558, 2–7–61, Cl. 113—32.

Albertsen, Hans C.: *See*—
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Albertson & Co., Inc.: *See*—
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Albertson, Frank O., and J. A. W. Madsen, to Albertson & Co., Inc. Magazine-type socket wrench. 2,993,397, 7–25–61, Cl. 81—125.

Albertson, Noel F., to Sterling Drug Inc. 3-indolemethanephosphonic acid and its salts and preparation thereof. 2,980,692, 4–18–61, Cl. 260—319.

Albertson, Victor N., and R. E. Paulson, to Minneapolis-Moline Co. Variable speed drive for tractor transmission. 2,982,153, 5–2–61, Cl. 74—740.

Albi Mfg. Co., Inc.: *See*—
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Albinson, Don, to Herman Miller, Inc. Appointments for beds. 2,995,762, 8–15–61, Cl. 5—322.

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Albrecht, Alberta M.: *See*—
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Albrecht, Alexander J.: *See*—
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Albrecht, Alexander J., to The Brunswick Automatic Pinsetter Corp. Pin distributor. 3,015,049, 12–26–61, Cl. 273—43.

Albrecht, Alexander J., and F. E. Riedl, to The Brunswick Automatic Pinsetter Corp. Bowling ball return mechanism. 2,979,333, 4–11–61, Cl. 273—49.

Albrecht, Alexander J., and J. B. Wyatt, to The Brunswick Automatic Pinsetter Corp. Pin distributing mechanism. 3,014,721, 12–26–61, Cl. 273—43.

Albrecht, Fritz. Crash data recorder. 2,992,296, 7–11–61. Cl. 179—100.2.

Albrecht, Hans W.: *See*—
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Albrecht, Horst: *See*—
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Albrecht, Howard W., to Xerox Corp. Unmottled dye transfer. 3,003,891, 10–10–61, Cl. 117—17.5.

Albrecht, Otto: *See*—
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Matter, Erich, Albrecht, and Hiestand. 2,984,587.

Albrecht, Otto, to Ciba Ltd. Detergent compositions for the hair. 3,003,969, 10–10–61, Cl. 252—142.

Albrecht, Otto, to Ciba Ltd. New polyglycol ether derivatives. 3,006,935, 10–31–61, Cl. 260—404.5.

Albrecht, Otto, and E. Matter, to Ciba Ltd. Detergent composition for the hair. 2,992,994, 7–18–61, Cl. 252—152.

Albrecht, Paul R. Brace and garment connector. 2,966,712, 1–3–61, Cl. 24—73.

Albrecht, Ransom C., and E. G. Heyl. Method of forming plastic containers. 2,987,775, 6–13–61, Cl. 18—55.

Albrecht, Warren F., to General Electric Co. Flash lamp. 3,000,200, 9–19–61, Cl. 67—31.

Albright, Franklin C., and W. D. Chambers, to The Bendix Corp. Forged aircraft wheel for landing gear assemblies. 2,990,216, 6–27–61, Cl. 301—6.

Albright, John D.: *See*—
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Albright, John W., and E. E. Blanco, to General Electric Co. Adjustably mountable current transformer and apparatus employing same. 2,994,845, 8–1–61, Cl. 336—68.

Albright, Richard. Clothes hanger. 3,002,662, 10–3–61, Cl. 223—95.

Albright, William D.: *See*—
Moore, Harold R., Albright, and Evans. 2,993,183.

Albright & Wilson Ltd.: *See*—
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Albright & Wilson (Mfg.) Ltd.: *See*—
Paddock, Norman L., and Searle. 3,008,799.
Spähn, Heinz, and Wells. 3,008,812.

Albrighton, Reginald F.: *See*—
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Albro Fillers & Engineering Co. Ltd.: *See*—
Baguelle, Arthur H. 2,976,661.

Albus, Charles P., and J. L. Azorlosa, to General Aniline & Film Corp. Hot melt adhesives containing polyvinyl methyl ether. 2,970,974, 2–7–61, Cl. 260—27.

Alcamo, John H. Surgeon's suturing device. 2,988,028, 6–13–61; Cl. 112—169.

Alcan Co., Inc.: *See*—
Clark, Homer E., Jr. 2,973,711.
Clark, Homer E., Jr. 2,986,998.

Alcaro, Francis A., to Santa Fe Mfg. Corp. Pressure governor. 2,989,000, 6–20–61, Cl. 103—16.

Alco Oil & Chemical Corp.: *See*—
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Alco Products, Inc.: *See*—
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Vaughan, Paul S. 2,984,229.

Alco Valve Co.: *See*—
Schenk, John A., and Tilney. 2,986,899.
Tilney, Ralph B. 2,982,582.
Tilney, Ralph B. 3,006,323.
Wiegers, Irvin E. 2,982,303.
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Alcock, Norman Z., to Curtiss-Wright Corp. Apparatus for continuously measuring the mass per unit area of a coating. 3,010,020, 11–21–61, Cl. 250—83.6.

Alcoholism Research Foundation: *See*—
De Grunigen, Alfred C., and Ferguson. 2,998,350.

Alcott, Ernest G., to General Electric Co. Method and apparatus for balling clay pug. 2,974,384, 3–14–61, Cl. 25—54.

Alcott, Rollin A., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,993,969, 7–25–61, Cl. 200—140.

Alden, Carroll R., to Ex-Cell-O Corp. Dispensing container with extensible pouring spout. Re. 25,021, 8–8–61, Cl. 229—17.

Alden, John H., to General Motors Corp. Rotatable brake drum. 2,991,851, 7–11–61, Cl. 188—218.

Alden, John P., and N. A. Kimmel, to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,989,844, 6–27–61, Cl. 60—35.6.

Alden, Milton. Dispenser for handling components. 2,977,027, 3–28–61, Cl. 222—156.

Alder, Robert L., to Dresser Industries, Inc. Electrical logging system. 2,986,693, 5–30–61, Cl. 324—1.

Alderman, John C. Preset fluid control system. 2,987,076, 6–6–61, Cl. 137—599.

Alderson Research Laboratories, Inc.: *See*—
Alderson, Samuel W. 2,995,832.
Alderson, Samuel W. 2,999,317.
Alderson, Samuel W. 3,010,223.

Alderson, Samuel W., to Alderson Research Laboratories, Inc. Drafting apparatus. 2,999,317, 9–12–61, Cl. 33—26.

Alderson, Samuel W., to Alderson Research Laboratories, Inc. Human equivalent dummy. 3,010,223, 11–28–61, Cl. 35—17.

Alderson, Ross C., and B. Carpenter, deceased (by W. T. Fisher, executor), to Minneapolis-Honeywell Regulator Co. Automatic instrument landing systems for airborne craft. 2,993,664, 7–25–61, Cl. 244—77.

Alderson, Samuel W., to Alderson Research Laboratories, Inc. Training aid for intravenous therapy. 2,995,832, 8–15–61, Cl. 35—17.

Alderson, Thomas, to E. I. du Pont de Nemours and Co. Dimerization of alpha olefins with a group VIII noble metal salt. 3,013,066, 12–12–61, Cl. 260—486.

Alderton, Gordon, and L. E. Sacks, to United States of America, Agriculture. Isolation of bacterial spores. 3,009,861, 11–21–61, Cl. 195—96.

Aldington, Elmer T., to American Can Co. Self-conforming cover for containers. 2,985,354, 5–23–61, Cl. 229—43.

Aldington, Elmer T., to American Can Co. Container and cover. 2,993,636, 7–25–61, Cl. 229—43.

Aldred, Fred C.: *See*—
Kearton, Christopher F., Givens, and Aldred. 2,974,420.

Aldred, Fred C., and W. G. Daroux, to Courtaulds Ltd. Disposal of effluent. 2,966,865, 1–3–61, Cl. 110—7.

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Aldridge, Clyde L., and A. B. Small, to Esso Research and Engineering Co. Cross-linked maleic anhydride modified petroleum resin. 2,993,880, 7–25–61, Cl. 260—78.4.

Aldridge, Clyde L., and E. A. Hunter, to Esso Research and Engineering Co. Synthesis of long chain alkylated aromatic compounds. 3,014,081, 12–19–61, Cl. 260—671.

Aleksa, Peter: *See*—
Zimmerman, Edward C., and Aleska. 2,974,580.

Alelyunas, Solomon. Game. 2,977,713, 4–4–61, Cl. 46—1.

Aler, Richard P. Bowling pin. 2,968,485, 1–17–61, Cl. 273—82.

Alexander, Adolph P., and A. F. Spengler, Jr., to International Harvester Co. Ductile iron. 2,970,902, 2–7–61, Cl. 75—123.

Alexander, Ben, M. Rogoff, and M. C. Vosburgh, to International Telephone and Telegraph Corp. Long range radio navigation system. 2,975,417, 3–14–61, Cl. 343—106.

Alexander, Benjamin H.: *See*—
Beroza, Morton, and Alexander. 2,974,086.

Alexander, Bruce: *See*—
Wurgaft, Robert L. 2,975,810.

Alexander, D. J., Corp.: *See*—
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Alexander, Doyle L.: *See*—
Scott, John N., Jr., Alexander, and Whittington. 3,012,280.

Alexander, Everett, N. Greif, H. Jass, and R. Stetzer, to Revlon, Inc. Sun screen compositions. 2,974,089, 3–7–61, Cl. 167—90.

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Alexander, Frank M., to Industrial Nucleonics Corp. Measuring and Controlling System. 3,000,438, 9–19–61, Cl. 162—259.

Alexander, Frank M., and B. C. Holben, to Industrial Nucleonics Corp. Reflectivity comparison system. 3,001,073, 9–19–61, Cl. 250—83.3.

Alexander, Fred C.: *See*—
Schmitt, Joseph R., and Alexander. 2,986,744.

Alexander, Fred C., to Universal Rundle Corp. Tilting flush valve for toilet. 3,003,156, 10–10–61, Cl. 4—60.

Alexander, Frederick D., E. P. Pollitt, and R. E. Smith, to Avco Mfg. Corp. (New Idea Division). Pelleting mechanism. 3,009,413, 11–21–61, Cl. 100—218.

Alexander, Guy B., to E. I. du Pont de Nemours and Co. Aluminosilicate aquasols and their preparation. 2,974,108, 3–7–61, Cl. 252—313.

Alexander, Guy B., R. K. Iler, and S. F. West, to E. I. du Pont de Nemours and Co. Metal oxide-metal composition. 2,972,529, 2–21–61, Cl. 75—.5.

Alexander, Guy B., and J. Bugosh, to E. I. du Pont de Nemours and Co. Uses of zirconia sols. 2,984,576, 5–16–61, Cl. 106—5.

Alexander, Guy B., and J. Bugosh, to E. I. du Pont de Nemours and Co. Concentrated zirconia and hafinia aquasols and their preparation. 2,984,628, 5–16–61, Cl. 252—313.

Alexander, Guy B., and G. H. Bolt, to E. I. du Pont de Nemours and Co. Aquasols of positively-charged coated silica particles and their production. 3,007,878, 11–7–61, Cl. 252—313.

Alexander, Harold M., and W. E. McCown, to Libbey-Owens-Ford Glass Co. Cleaning glass supporting tables. 2,999,341, 9–12–61, Cl. 51—279.

Alexander, Harry, and J. H. Powell. Triangular lined carton. 3,006,526, 10–31–61, Cl. 229—22.

Alexander, Irene: *See*—
Alexander, Paul. 2,996,412.

Alexander, Jack E., to Xela Corp. Knee vanity. 2,979,990, 4–18–61, Cl. 88—101.

Alexander, John E., C. H. Comstock, Jr., R. P. Burnett, and L. B. McKinney. Foot operated device for speed and steering control of hydraulic propelled boats. 3,003,455, 10–10–61, Cl. 115—12.

Alexander, John R., and F. P. Hendrickson, to Monsanto Chemical Co. Electric furnace operation. 3,010,796, 11–28–61, Cl. 23—223.

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Alexander, Michael. Load binder. 2,991,975, 7–11–61, Cl. 254—164.

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Alexander, Paul, to Continental Can Co., Inc. Heater vaporizer element support. 2,969,448, 1–24–61, Cl. 219—19.

Alexander, Paul, deceased, I. Alexander, executrix, to Continental Can Co., Inc. Art of depositing metals. 2,996,412, 8–15–61, Cl. 117—221.

Alexander, Perry L., Jr., and R. L. Vernon, to Decam Corp. Article diverger. 2,987,251, 6–6–61, Cl. 235—98.

Alexander, Rexford G., Jr., to Burroughs Corp. Information storage device. 2,978,683, 4–4–61, Cl. 340—174.

Alexander, Robert H.: *See*—
Babb, Charles L., Alexander, and Linsker. 3,002,495.

Alexander, Samuel. Dispenser box. 2,990,950, 7–4–61, Cl. 206—57.

Alexander, Stephen H., and A. J. Holberg; said Alexander assor. to Monsanto Chemical Co. Microcrystalline wax coating compositions. 3,004,854, 10–17–61, Cl. 106—14.

Alexander, Warren R., to General Dynamics Corp. Bridge modulator. 2,003,124, 10–3–61, Cl. 332—47.

Alexander, William F., to Hughes Aircraft Co. Tracking control apparatus. 3,013,441, 12–19–61, Cl. 74—471.

Alexander, William G., and C. M. Harden, to The Bendix Corp. System for geenrating discrete side-by-side displays on a cathode ray tube. 3,013,263, 12–12–61, Cl. 343—11.

Alexanderson, Ernst F. W. Magnetic computer. 2,984,414, 5–16–61, Cl. 235—178.

Alexandersson, Harold V.: *See*—
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Alexandrescu, Alexander M. Rotary turbine type fluid coupling. Re. 24,991, 5–30–61, Cl. 192—3.2.

Alexeff, Alexander V., E. P. Homburg, and H. Richards, to Industrial Ovens, Inc. Web heat treatment and apparatus therefor. 2,994,133, 8–1–61, Cl. 34—56.

Alexis, Roger, and J. C. Simon, to Compagnie Generale de Telegraphie Sans Fil. Over-the-horizon radio system having automatic frequency shift at predetermined signal-noise ratios. 3,001,064, 9–19–61, Cl. 250—6.

Alexoff, Carl: *See*—
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Alf, Fritz, to Deutsche Edelstahlwerke Aktiengesellschaft, and Allgemeine Elektricitats-Gesellschaft. Method of progressively induction heating metal strip and an apparatus for performing the same. 3,008,025, 11–7–61, Cl. 219—10.41.

Alfano, Ugo, to Renfro Hosiery Mills Co. Knit simulated lace. 3,003,343, 10–10–61, Cl. 66—172.

Alfieri, Giuseppe, to Fabbrica Italiana Magneti Marelli, S.p.A. Pneumatic braking equipment with multiple sections particularly for vehicles. 2,980,468, 4–18–61, Cl. 303—2.

Alfieri, Giuseppe, to Fabbrica Italiana Magneti Marelli. Control of the idle valve of a compressor having a plurality of receiver sections. 3,006,356, 10–31–61, Cl. 137—108.

Alford, Andrew: *See*—
Adams, Gerald J. 2,973,515.
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Watts, Chester B., Jr. 2,976,497.

Alford, Andrew. A periodic directive antenna. Re. 25,035, 9–12–61, Cl. 343—732.

Alford, Andrew. Circuit for use with a plurality of antennas. 3,004,153, 10–10–61, Cl. 250—13.

Alford, Andrew. Directive antenna. 3,011,167, 11–28–61, Cl. 343—763.

Alford, Andrew, and C. B. Watts, Jr.; said Watts assor. to said Alford. Automatic impedance plotting device. 2,983,866, 5–9–61, Cl. 324—58.

Alford, Charles E., to Sterling Drug Inc. Stable aluminum hydroxide suspension. 2,999,790, 9–12–61, Cl. 167—55.

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Veatch, Franklin, Alford, and Croft. 2,978,340.

Alford, James W.: *See*—
Rorie, George C., and Alford. 2,971,568.

Alford, Joseph S., to General Electric Co. Cooling means for a multi-stage turbine. 2,973,938, 3–7–61, Cl. 253—39.15.

Alford, Joseph S., to General Electric Co. Supporting means to maintain concentricity between two members. 2,977,142, 3–28–61, Cl. 287—52.

Alford, Joseph S., to General Electric Co. Cooling structure for turbine wheels. 2,998,958, 9–5–61, Cl. 253—39.15.

Alfred, Lauretta H.: *See*—
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Alfred, Theodore C., deceased; L. H. Alfred, executrix, to T. C. Alfred, Jr. Metal awning of the adjustable shutter type. 3,011,225, 12–5–61, Cl. 20—57.5.

Alfred, Theodore C., Jr.: *See*—
Alfred, Theodore C. 3,011,225.

Alfredéen, Uno A.: *See*—
Hellberg, Gustav S., and Alfredéen. 2,996,959.

Algatt, George E., H. T. Campbell, and E. W. Nelson, to Western Electric Co., Inc. Article gripping chuck. 2,973,197, 2–28–61, Cl. 269—190.

Alger, Ferris E.: *See*—
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Alger, Jerry T., to Configured Tube Products Co. Flame spreaders. 2,987,119, 6–6–61, Cl. 158—113.

Alger, Jerry T., to Configured Tube Products Co. Flame shapers. 2,999,535, 9–12–61, Cl. 158—113.

Alger, Martin J., Jr., to The New York Air Brake Co. Low friction sliding valve with edge-sealed ports. 2,973,183, 2–28–61, Cl. 251—183.

Algren, Axel B., and E. F. Snyder, said Snyder assor. to Minneapolis-Honeywell Regulator Co. Control apparatus for refrigeration system. 2,986,018, 5–30–61, Cl. 62—227.

Alheim, Robert J.: *See*—
Hein, Delton W., Alheim, and Leavitt. 2,985,661.

Alheritiere, Louis, and J. Mercier, to Les Usines de Melle (Societe Anonyme). Process for contacting solid and liquid phases. 2,980,731, 4–18–61, Cl. 260—488.

Ali, Syed I.: *See*—
Hahn, George, and Ali. 2,991,172.

Aliaga-Moyano, Ernesto, to Daystrom, Inc. Damping arrangement. 3,002,141. 9–26–61, Cl. 318—448.

Alimanestiano, Constantin, to General American Transportation Corp. Combination road and railway vehicles. 2,991,732, 7–11–61, Cl. 105—368.

Alimanestiano, Constantin. Automatic vehicular parking device. 3,008,590, 11–14–61, Cl. 214—16.1.

Alizon, Etienne, to Compagnie Industrielle des Telephones. Magnetostatic relay. 3,012,152, 12–5–61, Cl. 307—88.

Alkirk, Inc.: *See*—
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Allais, Andre: *See*—
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Allais, André, and P. Girault, to Les Laboratoires Francais de Chimiotherapie. M-sulfo benzoates of steroid hormones. 2,995,585, 8–8–61, Cl. 260—397.4.

Allais, Andre, P. Girault, and A. Vesterman, to UCLAF. Fungicidal copper (I) complex compound and process of producing same. 2,998,442, 8–29–61, Cl. 260—438.

Allais, Andre, and C. Hoffmann, to Les Laboratoires Francais de Chimiotherapie. 19-nor-testerone-17-transhexahydroterephthalate. 3,006,928, 10–31–61, Cl. 260—397.4.

Allais, David C., and N. A. Vogel, to International Business Machines Corp. Hydraulic system for driving several actuators. 3,001,369, 9–26–61, Cl. 60—54.5.

All American Engineering Co.: *See*—
Cotton, Robert B. 3,010,683.
Cotton, Robert B., and Daniels. 2,977,074.
Haber, Robert J. 2,971,727.
Haber, Robert J. 2,977,075.
Janney, Raymond B., II. 2,981,499.
Lees, Robert. 3,013,725.
Sheaffer, Bruce R. 2,989,272.

Allan, Benjamin W., F. O. Rummery, R. W. Chrest, and R. Roseman, to The Glidden Co. Process for preparing cadmium red pigments and resulting pigments. 3,008,845, 11–14–61, Cl. 106—301.

Allan, Ian, ½, to Scotcraft Ltd. Sewing machine attachments. 2,977,907, 4–4–61, Cl. 112—134.

Allan, James A., to Ellenco Inc. Electrostatic discharge apparatus. 2,985,798, 5–23–61, Cl. 317—2.

Allander, Claes, B. Lunden, and K. Nilsson, to AB Svenska Flaktfabriken. Air conditioning. 2,975,609, 3–21–61, Cl. 62—90.

Allander, Claes, and B. Lärkfeldt, to Aktiebolaget Svenska Flaktfabriken. High-velocity primary air nozzle. 2,976,794, 3–28–61, Cl. 98—38.

Allander, Claes, and B. Larkfeldt, to Aktiebolaget Svenska Flaktfabriken. Volume governor for a flowing gaseous medium. 2,997,061, 8–22–61, Cl. 137—517.

Allander, Claes, and N. Dock, to Aktiebolaget Svenska Flaktfabriken. Method for the ventilating of plants for the manufacture of aluminium or similar products. 2,997,132, 8–22–61, Cl. 183—121.

Allander, Claes, S. Wallin, and H. Petersson, to Aktiebolaget Svenska Flaktfabriken. Treating web-like material by a gaseous medium. 3,012,335, 12–12–61, Cl. 34—155.

Allard, Almon. Car top carrier. 3,008,784, 11–14–61, Cl. 312—198.

Allard, Donald R. Exercise rack. 3,010,720, 11–28–61, Cl. 272—81.

Allard, Harrie M., to Improved Machinery, Inc. Clamping mechanism for molding machines. 2,969,818, 1–31–61, Cl. 144—302.

Allard Instrument Corp.: *See*—
Skrobisch, Alfred. Re. 24,943.

Allard, Marc, to Institut de Recherches de la Siderurgie. Method for treating steel in vacuo. 2,993,780, 7–25–61, Cl. 75—49.

Allardice, Gordon D., to Eastman Kodak Co. Preparation of a gelatin-vitamin mixture. 2,987,444, 6–6–61, Cl. 167—81.

Allardt, Clark E.: *See*—
Guthrie, John M., Bonk, Allardt, Ashley, Burkheimer, and Smith. 3,010,677.
Wenzel, Robert F., and Allardt. 3,000,306.

Allardt, Ernst W., to The Babcock & Wilcox Co. Impedor for use on a thermatool welder. 3,004,134, 10–10–61, Cl. 219—59.

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Allday, Coningsby: *See*—
Scott, Thomas R., Bromby, and Allday. 2,990,246.

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Allegheny Ludlum Steel Corp.: *See*—
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Lula, Remus A., and McCann. 2,999,089.
Mitchell, Lewis T., Jr. 2,982,912.
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Allegri, Theodore H., ¼ to Savell, Inc. Dispensing display cabinet. 2,971,675, 2–14–61, Cl. 221—124.

Allemann, Paul, to Materiel Industriel S.A., and Constructions Mecaniques S.A. Renens. Machine for ramming the ballast of railway lines. 2,972,964, 2–28–61, Cl. 104—12.

Allemann, Paul, to Material Industriel S.A., and Constructions Mecaniques S.A. Renens. Device for limiting the opening stroke of a tool-carrier. 2,986,124, 5–30–61, Cl. 121—41.

Allemann, Paul, to Materiel Industriel S.A., and Constructions Mecaniques S.A. Renens. Light tamping machine. 3,012,516, 12–12–61, Cl. 104—12.

Allemann, Rudolph T., and B. M. Johnson, Jr., to United States of America, Atomic Energy Commission. Processing of radioactive waste. 3,006,859, 10–31–61, Cl. 252—301.1.

Allamanna Svenska Elektriska Aktiebolaget: *See*—
Thelemarck, Thor. 3,004,092.

Allen, Albert, to The Foxboro Co. Continuous reusable recording chart device. 3,011,854, 12–5–61, Cl. 346—21.

Allen, Allee M.: *See*—
Allen, James E. and A. M. 2,996,827.

Allen, Alva J., and W. M. Dodson. Fire alarm assembly. 2,995,629, 8–8–61, Cl. 179—5.

Allen, Alyce L.: *See*—
Ould, Carlton L., and Allen. 2,989,634.

Allen, Anneke S.: *See*—
Allen, Donald R. and A. S. 3,008,881.

Allen, Arthur C., T. E. Bjorn, and B. J. Sadoff, Jr., to Stewart-Warner Corp. Speed responsive control device. 2,991,395, 7–4–61, Cl. 317—5.

Allen, Arthur N., Jr., to United Aircraft Corp. Motor utilizing combined action of splines and cams. 2,969,118, 1–24–61, Cl. 170—160.32.

Allen, Arthur N., Jr., to United Aircraft Corp. Multiple-area hydraulic motor. 2,993,543, 7–25–61, Cl. 170—160.32.

Allen, Arthur N., Jr., and L. L. Gaubis, to United Aircraft Corp. Combined feathering and pitch lock system. 2,980,188, 4–18–61, Cl. 170—160.2.

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Sutherland, James W., and Allen. 3,002,911.

Allen-Bradley Co.: *See*—
Callan, John E. 2,975,334.
Callan, John E., and Hudson. 2,975,348.
Coker, Theodore R., and Swanstrom. 2,985,736.
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Schlicke, Heinz M. 3,007,121.
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Allen, Charles F. H., to Eastman Kodak Co. Hardening of photographic emulsions. 2,992,109, 7–11–61, Cl. 96—111.

Allen, Charles F. H., and W. G. Lowe, to Eastman Kodak Co. Chemical sensitization of photographic emulsions. 2,983,609, 5–9–61, Cl. 96—107.

Allen, Charles F. H., W. G. Lowe and J. Sagal, Jr., to Eastman Kodak Co. Sensitization of photographic emulsions. 2,983,610, 5–9–61, Cl. 96—108.

Allen, Charles F. H., and D. M. Burness, to Eastman Kodak Co. Gelatin compositions containing hardeners. 2,983,611, 5–9–61, Cl. 96—111.

Allen, Charles M.: *See*—
Newhouse, Paul D., and Allen. 2,979,718.

Allen, Charles R. Envelopes. 2,979,189, 4–11–61, Cl. 206—15.1.

Allen, Chester C., and W. Nunley, to Texas Instruments Inc. Method for growing semiconductor crystals. 2,993,818, 7–25–61, Cl. 148—1.5.

Allen, Claude V., to The Inta-Roto Machine Co., Inc. Drive for intermittently feeding a predetermined length of web material. 2,998,760, 9–5–61, Cl. 93—58.3.

Allen, Claude V., to The Inta-Roto Machine Co., Inc. Micrometer doctor bar assembly. 3,006,275, 10–31–61, Cl. 101—157.

Allen, Donald R. and A. S., to The Dow Chemical Co. Production of uranium. 3,008,881, 11–14–61, Cl. 204—1.5.

Allen, Donavan J., ¼ to H. E. Vincent, and ¼ to F. D. Verner. Method of and apparatus for installing a valve in a pipe. 2,984,129, 5–16–61, Cl. 77—38.

Allen, Dowell V.: *See*—
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Allen, Earle F., and A. J. Haynes, to V. E. Macy, Jr. Method and apparatus for forming compound curvatures in sheet material. 2,969,826, 1–31–61, Cl. 153—2.

Allen, Edward E., to Zurn Industries, Inc. Flexible coupling and seal therefor. 3,001,385, 9–26–61, Cl. 64—9.

Allen, Edward M., to Pittsburgh Plate Glass Co. Method of making nodules containing alkali metal hydroxide. 3,007,877, 11–7–61, Cl. 252—135.

Allen, Edward M., to Pittsburgh Plate Glass Co. Process for preparing silica pigment. 3,010,791, 11–28–61, Cl. 23—182.

Allen, Edwin L., and A. R. de Vito, to L. W. Menzimer, trustee. Door holding devices. 2,985,908, 5–30–61, Cl. 16—141.

Allen, Edwin L., and R. S. Heron, to L. W. Menzimer. Door check. 3,000,044, 9–19–61, Cl. 16—82.

Allen Electric & Equipment Co.: *See*—
Allen, Gerald H. 2,979,942.

Allen, Ely G., to General Electric Co. Turbine overspeed protective system. 2,976,012, 3–21–61, Cl. 253—52.

Allen, Ernest E., and G. J. Wack, to A. E. Staley Mfg. Co. Treatment of vegetable oil wash waters. 2,993,006, 7–18–61, Cl. 252—326.
Allen, Eugene M., to American Cyanamid Co. Method for continuously straightening sheet material. 2,968,856, 1–24–61, Cl. 26—51.5.
Allen, Everett W., to General Motors Corp. Engine valve actuating mechanism. 2,976,862, 3–28–61, Cl. 123—90.
Allen, Frank B., and W. M. Haessler, to The Fyr-Fyter Co. Discharge head. 2,972,466, 2–21–61, Cl. 251—35.
Allen, Frank D., J. A. Van Allan, and J. J. Sagura, to Eastman Kodak Co. Thermographic copying material. 2,967,785, 1–10–61, Cl. 117—36.
Allen, Fred A. Fish lure. 3,006,104, 10–31–61, Cl. 43—42.15.
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Hawley, Harold M., Arthur, and Allen. 2,996,467.
Allen, George R. Top valve for a pressure vessel. 2,991,918, 7–11–61, Cl. 222—394.
Allen, George R., and M. J. Weiss, to American Cyanamid Co. 16α,17α - isoalkylidenedioxy - 4 - pregnene - 3,20 - diones. 3,001,991, 9–26–61, Cl. 239.55.
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Allen, George R., Jr., and M. J. Weiss, to American Cyanamid Co. Halogenated pregnadienes. 2,975,197, 3–14–61, Cl. 260—397.45.
Allen, George R., Jr. and W. S., and M. J. Weiss, to American Cyanamid Co. 11α-hydrocarbylsulfonyloxy-3,5-pregnadienes. 3,006,933, 10–31–61, Cl. 260—397.45.
Allen, Gerald H., to Allen Electric & Equipment Co. Acceleration tester. 2,979,942, 4–18–61, Cl. 73—117.
Allen, Gordon S. J.: *See*—
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Allen, Gordon S. J., and D. H. Mawby, to J. F. Crosfield, Ltd. Color printing. 2,987,571, 6–6–61, Cl. 178—5.2.
Allen, Gordon S. J., and D. H. Mawby, to J. F. Crosfield Ltd. Colour or tonal reproduction. 2,993,953, 7–25–61, Cl. 178—5.2.
Allen, Gordon S, J., and D. H. Mawby, to J. F. Crosfield Ltd. Colour or tonal reproduction. 2,993,954, 7–25–61, Cl. 178—5.2.
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Caldwell, Dennis, and Rowe. 2,997,476.
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Allen-Harper, Inc.: *See*—
Allen, Kenneth M., and Harper. 3,012,654.
Allen, Harvey G., to Westinghouse Electric Corp. Pump. 2,997,959, 8–29–61, Cl. 103—103.
Allen, Herbert, to Cameron Iron Works, Inc. Snap-acting pressure relief valve. 2,973,776, 3–7–61, Cl. 137—467.
Allen, Herbert, to Cameron Iron Works, Inc. Valve apparatus. 2,975,795, 3–21–61, Cl. 137—315.
Allen, Herbert, to Cameron Iron Works, Inc. Valve. 2,977,975, 4–4–61, Cl. 137—330.
Allen, Herbert, to Cameron Iron Works, Inc. Valve. 2,977,976, 4–4–61, Cl. 137—330.
Allen, Herbert, to Cameron Iron Works, Inc. Pressure relief valves. 2,984,254, 5–16–61, Cl. 137—467.
Allen, Herbert, and S. Burg, to United States of America, Navy. Release mechanism for missile projectors. 2,966,850, 1–3–61, Cl. 102—7.
Allen, Herbert, and J. P. Oliver, to Cameron Iron Works, Inc. Hanging apparatus. 3,011,806, 12–5–61, Cl. 285—147.
Allen, Howard G., to Bostitch Inc. Fastener-applying implement. 2,969,545, 1–31–61, Cl. 1—187.
Allen, Howard G., to Bostitch, Inc. Magazine for fastener applying machines. 2,991,475, 7–11–61, Cl. 1—3.
Allen, Howard G., and E. I. Fisher, to Bostitch, Inc. Fastener driving machine. 3,010,430, 11–28–61, Cl. 121—13.
Allen Industries, Inc.: *See*—
Baxter, Stanley V. 2,971,857.
Allen, Ivis J.: *See*—
Bliven, Charles V., and Allen. 3,006,441.
Allen, James E. and A. M. Bait and fishhook holder. 2,996,827, 8–22–61, Cl. 43—42.74.
Allen, James F.: *See*—
Willard, Joe R., Allen, and Holden. 2,983,644.
Allen, James H., to Phillips Petroleum Co. Underground storage. 2,972,050, 2–14–61, Cl. 250—43.5.
Allen, Jefferson H. Carriers. 2,970,729, 2–7–61, Cl. 224—55.
Allen, John F., to Amalgamated Wireless (Australasia) Ltd. Pulse generating system for generating accurately spaced timing pulses. 3,005,159, 10–17–61, Cl. 328—62.
Allen, John K., and W. E. Butterfield, to Architectural Porcelain Constructors. Method of making laminated panels with expanded polystyrene core. 2,972,559, 2–21–61, Cl. 154—139.
Allen, John W., to Stanray Corp. Truss panel. 2,970,553, 2–7–61, Cl. 105—410.
Allen, John W., and W. E. Hawkins, to Stanray Corp. Lift jack. 3,010,698, 11–28–61, Cl. 254—2.
Allen, Joseph C., and C. C. Nathan, to Texaco Inc. Method of wax removal. 2,967,121, 1–3–61, Cl. 134—31.
Allen, Joseph N., III: *See*—
McKnight, John T. 2,973,601.
Allen, Kenneth D.: *See*—
Botkin, Lawrence A., and Allen. 2,997,207.
Allen, Kenneth M., and C. H. Harper, to Allen-Harper, Inc. Gyratory vibrating device. 3,012,654, 12–12–61, Cl. 198—220.
Allen, Lloyd R., and D. H. Woodard, to Kenmore Research Co. Thixotropic high temperature thread lubricant containing silver flakes. 3,007,867, 11–7–61, Cl. 252—26.
Allen, Lloyd R., to National Research Corp. Niobium base alloy. 3,012,883, 12–12–61, Cl. 75—174.
Allen, Lyndon B. Article receptacle for automobiles. 3,002,665, 10–3–61, Cl. 224—42.42.
Allen, Mary J. Steam iron support. 2,982,506, 5–2–61, Cl. 248—117.6.
Allen Organ Co.: *See*—
Markowitz, Jerome. 2,989,886.
Markowitz, Jerome. 2,989,887.
Allen, Philip H.: *See*—
Lawrence, Joseph L., and Allen. 3,006,634.
Allen, Philip H., and B. J. Chromy. Light means for controlling calculating machine functions. 2,985,370, 5–23–61, Cl. 235—145.
Allen, Philip S.: *See*—
Larsson, George E. 3,010,375.
Allen, Raymond W., to The Firestone Tire & Rubber Co. Method and apparatus for drying and cooling subdivided material. 2,995,829, 8–15–61, Cl. 34—203.
Allen, Richard C., and L. E. Elphee, to Owens-Illinois Glass Co. Method and apparatus for forming plastic articles. 3,008,192, 11–14–61, Cl. 18—55.
Allen, Richard E., and D. L. Rothermel, to Corning Glass Works. Method of regenerating a glass etching bath. 2,989,384, 6–20–61, Cl. 41—42.
Allen, Richard W., and J. J. Ayres, to Radio Corp. of America. Amplitude balance circuit. 2,971,162, 2–7–61, Cl. 330—116.
Allen, Robert C., to Allis-Chalmers Mfg. Co. Control for a boiling type reactor supplying a steam turbine. 2,968,600, 1–17–61, Cl. 204—193.2.
Allen, Robert C., to E. I. du Pont de Nemours and Co. Propellant grain igniter. 2,974,596, 3–14–61, Cl. 102—70.
Allen, Robert E.: *See*—
Palopoli, Frank P., Allen, Schumann, and Van Campen. 2,971,001.
Walton, John R., Allen, and Kennedy. 3,011,291.
Allen, Robert K., to General Electric Co. Electrical connection. 3,002,173, 9–26–61, Cl. 339—95.
Allen, Robert W., to Henry Simon Ltd. Indicator or control mechanisms used with storage bins for cereal products or the like. 2,975,636, 3–21–61, Cl. 73—290.
Allen, Robert W., to Henry Simon, Ltd. Air filters. 2,980,207, 4–18–61, Cl. 183—57.
Allen, Rosslyn C., and W. R. Schwartz. Brake lining thickness gauge. 3,011,262, 12–5–61, Cl. 33—149.
Allen, Scott E.: *See*—
Robertson, Snell, and Allen. 2,982,200.
Allen-Sherman-Hoff Co., The: *See*—
Mylting, Lauritz E. 2,985,420.
Allen, Sidney, to Bristol Siddeley Engines Ltd. Means for supplying a rocket motor with liquid fuel and concentrated hydrogen peroxide as propellant. 2,972,227, 2–21–61, Cl. 60—35.6.
Allen, Steve R. Trash basket. 2,970,533, 2–7–61, Cl. 100—226.
Allen, Thomas C., Jr.: *See*—
Kahn, Robert P., and Allen. 2,992,159.
Allen, Thomas E., to United States of America, Navy. Automatic hovering control system for submarines. 2,972,972, 2–28–61, Cl. 114—16.
Allen, W. D., Mfg. Co.: *See*—
Lockett, William L. 3,001,725.
Macleod, Keith. 2,986,192.
O'Brien, William P. 2,993,655.
O'Brien, William P., and Byrne. 3,001,326.
Pokryfke, John A., and Turek. 2,993,503.
Allen, Wesley M. Bow attachment. 2,968,300, 1–17–61, Cl. 124—23.
Allen, Wesley M. Brush deflector. 3,012,552, 12–12–61, Cl. 124—23.
Allen, William H. Boiler. 2,972,985, 2–28–61, Cl. 122—183.
Allen, William M., and H. Nack, to Frank Research Corp. Method for manufacturing skinless sausages. 2,995,449, 8–8–61, Cl. 99—109.
Allen, William M., H. E. Crumrine, and L. E. Walkup, to Xerox Corp. Xerographic electrometer apparatus. 3,013,203, 12–12–61, Cl. 324—32.
Allen, William S., and L. I. Feldman, to American Cyanamid Co. Method of preparing 15-hydroxy pregnenes. 3,010,877, 11–28–61, Cl. 195—51.
Allen, William L.: *See*—
McCordic, James R., Allen, and Walker. 3,001,618.
Allen, William S.: *See*—
Allen, George R., Jr. and W. S., and Weiss. 3,006,933.
Allenbach, Charles R., and J. C. Burbach, to Union Carbide Corp. Method for making refractory articles. 3,002,936, 10–3–61, Cl. 252—518.
Allenbaugh, George G., Jr., to Akron Brass Mfg. Co., Inc. Nozzle. 2,991,016, 7–4–61, Cl. 239—458.
Allenbaugh, George G., Jr., to Akron Brass Mfg. Co., Inc. Nozzle. 3,012,733, 12–12–61, Cl. 239—458.
Allenson, Ray E.: *See*—
Keathley, Anthony C., and Allenson. 3,008,417.
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Hartmann, Kristian P. 3,011,437.
Mosegaard, Marius. 2,995,084.
Aller, Willis F., to The Sheffield Corp. Parts handling apparatus. 2,987,220, 6–6–61, Cl. 221—156.

Aller, Willis F., and N. L. Jeglum, to The Sheffield Corp. Machine cycle recording system 2,971,808, 2–14–61, Cl. 346—33.

Allers, Carl, Etablissement A-S: *See*—
Lemche, Johan H. 2,969,724.
Lemche, Johan H. 3,003,392.
Norlin, Nils. 2,998,768.

Alles, Francis P., to E. I. du Pont de Nemours and Co. Photographic stripping film. 2,976,147, 3–21–61, Cl. 96—83.

Alles, Francis P., and W. R. Saner, to E. I. du Pont de Nemours and Co. Magnetic recording tape and process of making same. 3,009,847, 11–21–61, Cl. 154—53.6.

Alley, Harry, to E. I. du Pont de Nemours and Co. Process for removing non-uniformities in undrawn synthetic filaments. 3,011,215, 12–5–61, Cl. 18—48.

Alley, Robert P., to General Electric Co. Magnetic switches. 2,987,593, 6–6–61, Cl. 200—87.

Alley, Robert P., to General Electric Co. Fail-safe overload protective system. 2,999,188, 9–5–61, Cl. 317—13.

Allfree, David, to Acme Steel Co. Strapping machine. 2,977,872, 4–4–61, Cl. 100—17.

Allgeier, Edwin A.: *See*—
Watson, Lloyd M., and Allgeier. 3,013,092.

Allgemeine Elektricitats-Gesellschaft: *See*—
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Senlen, Gerhard W., Scheffler, and Gehrmann. 2,995,641.

Allgemeine Holzimpragnierung Dr. Wolman G.m.b.H.: *See*—
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Allgeyer, Guy H., R. L. Early, and T. B. Sorbie, to Owens-Illinois Glass Co. Synchro-tie receiver motor synchronized-speed control. 2,978,619, 4–4–61, Cl. 318—24.

Allgeyer, Guy H., R. L. Early, and T. B. Sorbie, to Owens-Illinois Glass Co. Apparatus for gauging articles and rejecting defective ware. 2,987,179, 6–6–61, Cl. 209—73.

Alliance Machine Co., The: *See*—
Harry, Robert J. 2,994,554.
Harry, Robert J. 3,009,219.
Bowerman, Myron R., and Stuckey. 2,994,513.

Alliance Mfg. Co., Division of The Consolidated Electronics Industries Corp.: *See*—
Reeder, Richard D., and Longobardi. 2,979,229.
Schneider, Emmor V. 2,985,029.
Schneider, Emmor V. 3,005,190.

Allianceware, Inc.: *See*—
Bowden, William H. 2,982,972.
Corp, Paul M. 2,967,309.
Storck, Jack E. 3,014,581.
Storck, Jack E. 3,014,811.

Allibone, Thomas E., to Associated Electrical Industries Ltd. Treatment of heavy metals. 3,005,703, 10–24–61, Cl. 75—84.1.

Allied Chemical Corp.: *See*—
Amdur, Allen C., and Hayworth. 2,984,561.
Anderson, Norman L., and McGinn. 2,986,536.
Binns, Robert A. 2,970,789.
Brakebill, Elvin K. 2,998,355.
Bush, Stanley B. 2,972,393.
Cosby, John N., and Darley. 2,976,210.
Crandall, Fletcher. 2,991,506.
Crittenden, Eugene D. 3,010,817.
Dell, Richard G. 3,004,009.
Elgaard, Lauritz. 2,973,886.
Elliott, George A., and Furbush. 3,002,016.
Farkas, Adalbert, and Rosenthal. 2,994,719.
Farrell, James K. 2,995,424.
Fein, Marvin M., and Friedman. 2,978,416.
Gates, William H., Harris, and MacKenzie. 2,986,448.
Genta, Guido R. 2,995,552.
Gilbert, Everett E. 3,010,871.
Gilbert, Everett E., Otto, and Rumanowski. 3,003,916.
Gilbert, Everett E., and Yiannios. 3,005,695.
Harvey, Edward W. 3,006,753.
Jacobson, George P., and Smith. 3,010,574.
Joris, George G. 2,969,393.
Joseph, Robert T., and Maguire. 2,977,299.
Kaplan, Melvin, and Koral. 3,007,884.
Kendall, William T. 2,971,894.
Kise, Mearl A. 2,977,386.
Koral, Marvin. 2,974,159.
Kranz, Frederick H. 2,981,733.
Kranz, Frederick H. 2,981,738.
Kranz, Frederick H. 2,983,756.
Leake, Preston H., and Brakebill. 3,009,954.
Lind, Charles J., and Sogn. 3,012,040.
Marszewski, Carl A., and Koontz. 3,003,991.
McClements, Willard J., and Datin. 2,974,150.
Neill, Ronald H., Sweeney, and Woolf. 2,981,763.
Noonan, Joseph D., and Loughlin. 2,989,427.
Pinkerton, Henry L. 2,985,567.
Porter, Frank. 2,987,766.
Rhodes, Michael S., and Spaunburgh. 2,970,123.
Ruffing, Joseph A. 2,995,536.
Scheirer, David E. 3,001,917.
Schmidt, Lawrence D. 2,973,254.
Schmidt, Lawrence D. 2,974,090.
Schmidt, Lawrence D. 2,995,026.
Schmidt, Lawrence D. 3,007,850.
Schule, Elmer C. 3,003,995.
Seigle, Leon W. 3,012,070.
Smith, Burton F. B., and Chapman. 3,007,812.
Smith, Lee B., and Woolf. 2,982,789.

Allied Chemical Corp.: *See*—Continued
Taub, Bernard. 3,001,955.
Thompson, Ernest, Jr. 2,970,949.
Winstrom, Leon O., Samdahl, and Perch. 2,976,320.
Wohlers, Herbert C. 3,005,812.
Woolf, Cyril. 2,981,762.

Allied Companies, Inc.: *See*—
Chapman, Fendal K. 3,002,301.

Allied Control Co., Inc.: *See*—
Bancroft, James E. 2,988,675.
Zanichkowsky, Martin, and Sciarinno. 2,972,663.

Allied Plastics Co.: *See*—
Crane, Walton B. 2,971,232.
Crane, Walton B. 2,987,198.
Crane, Walton B. 2,999,468.

Allied Record Mfg. Co.: *See*—
Salzman, Samuel. 2,992,455.

Allied Research Products Inc.: *See*—
Borodin, Daniel J. 2,989,006.

Allied Textile Printers, Inc.: *See*—
Haber, Hyman. 2,981,588.

Allied Tractor Equipment Co.: *See*—
Abel, Finn R. 2,973,592.

Allimann, Georges. Drilling-head for the sinking of shafts, galleries and the like. 2,976,027, 3–21–61, Cl. 262—7.

Allin, George S., Jr.: *See*—
Donner, Verne P., Henning, and Allin. Re. 25,036.
Donner, Verne P., Henning, and Allin. 3,014,548.

Allin, George S., Sr., to International Harvester Co. Hydraulic tank and radiator guard. 2,979,205, 4–11–61, Cl. 210—167.

Allin, George S., Sr., J. K. Liu, and V. E. Rezabek, to International Harvester Co. Brake and actuating means for tractor winch. 2,974,753, 3–14–61, Cl. 188—72.

Alling, Myrtle C. Locking device. 2,987,286, 6–6–61, Cl. 248—223.

Allinquant, Fernand S. Shock absorber piston. 2,987,146, 6–6–61, Cl. 188—96.

Allinquant, Fernand S. Vehicle suspension system having a pneumatic member and a device for correcting trim. 2,987,312, 6–6–61, Cl. 267—64.

Allinquant, Fernand S. Trim corrector device for a vehicle with fluid suspension. 3,013,811, 12–19–61, Cl. 280—124.

Allis-Chalmers Mfg. Co.: *See*—
Allen, Robert C. 2,968,600.
Ashbaker, Charles A. 2,972,042.
Babb, Charles L. 2,999,465.
Baude, John. 2,968,745.
Baude, John. 2,972,685.
Baude, John. 2,986,674.
Baude, John. 3,012,188.
Baugh, Robert T. 2,999,581.
Benson, Robert B. 2,972,253.
Carlin, Robert, and Honeyager. 2,993,576.
Cart, Ward B. 3,005,120.
Charley, Walter G., and Reaves. 2,971,776.
Cook, Eugene B. 2,994,261.
Coombs, Chadwick A. 2,980,667.
Cooper, Howard F. 2,994,546.
Dickson, James J., and Loeb. 2,984,609.
Dreisin, Alexander, and Kaplan. 2,980,092.
Drolshagen, Otto, and Manoll. 3,003,941.
Eigner, Harold E., and Imhoff. 2,999,809.
Fergason, Rector C. 2,968,904.
Fergason, Rector C. 3,001,544.
Gieskieng, David H. 2,993,687.
Goodwin, Edwin C., Jr., and Paterson. 3,009,043.
Grimes, Patrick G. 3,007,793.
Harrer, Paul H. 3,004,377.
Harrer, Paul H., and Shannon. 2,973,970.
Heckenkamp, Edward B. 3,013,617.
Herbage, Bernard S. 2,992,809.
Honsinger, Vernon B. 2,989,655.
Jerman, Ralph B., and Swanson. 3,014,553.
Kececioglu, Dimitri B., Baugh, and Hoffmann. 2,980,345.
Kurre, Paul G. 2,973,656.
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Malick, Franklin S. 2,983,827.
Mayo, Howard A., Jr. 2,972,469.
Mueller, Walter K. 3,002,129.
Mydels, John W. 2,968,356.
Naumer, Gene C. 2,981,372.
Nichols, Beverly R. 2,976,687.
Nichols, Beverly R. 3,007,628.
Nicklas, John H. 3,014,856.
Odell, Robert C. 2,986,680.
Passmore, Ronald E. 3,007,490.
Pflanz, Herbert M. 2,993,971.
Plate, John R., Carlin, and Kleist. 3,006,593.
Rockwell, Harvey W. 2,985,147.
Rockwell, Harvey W., and Weed. 2,993,283.
Rossman, Earl C., and Frank. 2,975,088.
Roubal, Alexander J. 3,011,324.
Schick, Frederick A. 2,986,291.
Scranton, Charles J. 2,979,877.
Sealey, William C. 3,007,108.
Severson, Wilmer M. 2,972,387.
Stone, Norman E. 2,985,855.
Strehlow, Walter F. 2,981,342.
Strehlow, Walter F., and Carlin. 2,970,482.
Tanke, Willard H. 2,972,386.
Tanke, Willard H. 3,004,611.

Allis-Chalmers Mfg. Co.: *See*—Continued
Uhrich, Harold R., and Thomas. 2,983,320.
Vahldieck, Nathan P. 3,012,086.
Voegeli, Wendelin L. 2,996,126.
Vogel, Fred J., and Adolphson. 2,996,664.
Voth, James W. 2,979,176.
Walberg, Maynard E. 2,972,385.
Walberg, Maynard E. 2,974,738.
Welch, Harry J. 2,984,507.
Wilson, Charles D. 2,975,600.
Wood, William L. 2,986,862.
Worrell, Robert L. 2,969,862.
Yanagisawa, Samuel T. 2,975,254.
Yanagisawa, Samuel T. 2,993,970.

Allis, Louis, Co., The: *See*—
Jones, Byron M. 2,990,484.
Luber, Frederick G., Robinson, and Moody. 2,976,438.
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Allison, Crawford G., M. D. Hartman, Jr., and G. C. Sparks, to The Sparks Corp. Dispensing containers. 2,971,638, 2-14-61, Cl. 206—42.

Allison, James E., ¼ to W. Coffee. Puller for manhole covers. 2,988,330, 6-13-61, Cl. 254—98.

Allison, James H., and A. K. Filer, to The General Electric Co. Ltd. Methods of manufacturing waveguides. 2,995,806, 8-15-61, Cl. 29—155.5.

Allison, Kenneth C., to CTS Corp. Electric switch and method of making. 2,988,606, 6-13-61, Cl. 200—11.

Allison, Samuel K., to United States of America, Atomic Energy Commission. Reactor. 2,975,114, 3-14-61, Cl. 204—193.2.

Allison, Stanley T. Vegetable harvester type vehicle. 3,003,779, 10-10-61, Cl. 280—32.5.

Allison, Thomas K. Mandrel and cylinder for gravure printing. 2,987,994, 6-13-61, Cl. 101—375.

Allison, William D., to Eaton Mfg. Co. Wheel suspensions. 2,988,371, 6-13-61. Cl. 280—96.2.

Allison, William D. Spring suspension for motor vehicles. 2,999,694, 9-12-61, Cl. 280—104.

Allison, William M., to Sprague Electric Co. Electrical capacitors. 2,974,396, 3-14-61, Cl. 29—25.42.

Alliston, John W., C. A. Hansen, Jr., H. C. Nix, and D. R. Riggs, to Esso Research and Engineering Co. Reforming of naphthenes. 2,985,581, 5-23-61, Cl. 208—65.

Allium, Inc.: *See*—
Teigen, Ferdinand A. 2,978,333.

Allmanna Svenska Elektriska Aktiebolaget: *See*—
Becklus, Ivar, and Olin. 3,008,027.
Dahle, Orvar. 2,967,426.
Dahle, Orvar. 3,011,340.
Dillon, Charles, and Engstrom. 3,014,157.
Forwald, Haakon. 2,969,446.
Forwald, Haakon. 2,969,447.
Forwald, Haakon. 2,972,666.
Forwald, Haakon. 2,987,596.
Forwald, Haakon. 3,005,077.
Forwald, Haakon. 3,011,097.
Forwald, Haakon. 3,014,111.
Garde, Aage, Persson, and Schiott. 3,014,390.
Krahbe, Ulrik. 2,989,712.
Lamm, Uno. 2,976,440.
Lundqvist, Ragnar, and Fredriksson. 3,012,083.
Pucher, Walter. 3,010,003.
Sandkvist, Hugo. 3,011,013.
Torok, Vilmos. 2,982,865.
Trolin, Georg T. 2,988,611.
Wangsjo, Hans, and Ekberg. 3,015,021.
Wilk, Sune. 2,974,645.

Allovio, Joseph M., to Olin Mathieson Chemical Corp. Combustible compositions. 2,988,438, 6-13-61, Cl. 52—24.

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Alloy Hardfacing Co.: *See*—
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Alloy Metal Wool Products Corp.: *See*—
Gauld, George M. 3,002,651.

Alloyd Research Corp.: *See*—
Spacil, Henry S. 2,970,215.

Allpatent Aktiengesellschaft: *See*—
Ruegg, Hans, Keller, and Klopfer. 3,000,197.

Allred, Charles M.: *See*—
Hudson, Paul A., and Allred. 2,995,708.

Allred, Charles M., and P. A. Hudson, to United States of America, Commerce. Automatic R-F level control. 2,991,430, 7-4-61, Cl. 331—183.

Allred, George W., to The Bahnson Co. Traveling cleaner for textile rooms. 2,973,543, 3-7-61, Cl. 15—312.

Allred, George W., to The Bahnson Co. Traveling cleaner. 2,994,904, 8-8-61, Cl. 15—312.

Allred, George W. Traveling cleaner. 3,004,277, 10-17-61, Cl. 15—312.

Allred, Raymond C., D. A. Shock, and J. D. Sudbury, to Continental Oil Co. Forming subterranean cavities by solution mining. 2,976,690, 3-28-61, Cl. 61—.5.

Allred, Robert B., to Sun Oil Co. Aqueous drilling fluid. 3,005,773, 10-24-61, Cl. 252—8.5.

Allred, Sam H.: *See*—
Reinhardt, Malcolm T., Jr., and McElmurray. 2,994,861.

Allred, Victor D., to The Ohio Oil Co. Vertical flow process for in situ retorting of oil shale. 3,001,775, 9-26-61, Cl. 262—3.

Allshouse, Harlow E.: *See*—
Liolios, Leo, and Allshouse. 2,982,446.

All-Steel Equipment, Inc.: *See*—
Rudolph, Nathan H. 2,987,211.

Allward, Walter, to Comptometer Corp. Ten-key calculating machines. 3,009,634, 11-21-61, Cl. 235—60.

Ally, Joseph H. R. Sandal. 3,000,116, 9-19-61, Cl. 36—2.5.

Alm, Bruno C. J. Chain delivery apparatus for two-revolution printing presses. 2,996,982, 8-22-61, Cl. 101—227.

Alm, Erhard J., to Vulcan Equipment Co. Ltd. Tire spreader and inverter. 3,000,615, 9-19-61, Cl. 254—50.3.

Almand, Joseph M.: *See*—
Buckwalter, Howard M., and Almand. 2,981,741.

Almar Corp.: *See*—
Foster, Allan D. 3,011,593.

Alme, William R.: *See*—
Monson, Walter T., Alme, and Baron. 3,009,205.

Alminana, Robert J. Dark room camera. 2,967,454, 1-10-61, Cl. 88—24.

Almor Corp.: *See*—
Foster, Allan D. 2,975,909.
Foster, Allan D. 2,976,003.
Foster, Allan D. 2,980,212.

Alms, John A. Portable stand with rural mailbox accommodating means. 2,995,330, 8-8-61, Cl. 248—145.

Alofs, John W. Photographic and projection system and process. 3,014,403, 12-26-61, Cl. 88—16.6.

Aloja, Romeo R.: *See*—
Jen, Yun, Johnson, and Aloja. 2,976,263.

Alonas, Kay, to Teletype Corp. High speed tape punch. 2,998,913, 9-5-61, Cl. 234—115.

Alperin, Norman N., and W. A. Mulle, to United States of America, Navy. Synchronized sampled data digital servo. 2,972,718, 2-21-61, Cl. 328—48.

Alperovitch, Lisette: *See*—
Monier, Albert and L. 2,972,756.

Alpert, Louis, to United States of America, Navy. Escapement arming switch. 2,967,217, 1-3-61, Cl. 200—61.45.

Alpert, Norman: *See*—
Dille, Kenneth L., Newman, Heisler, and Alpert. 3,001,941.

Alpha Industries, Inc.: *See*—
Persons, Richard L. 2,993,149.

Alpha Molykote Corp., The: *See*—
Spengler, Günter, and Hohn. 2,977,302.
Spengler, Gunter, Hohn, and Gansheimer. 3,010,902.

Alpha Shrimp Machine Corp., The: *See*—
Cerny, Louis L. 2,974,356.

Alsager, Leslie E., and E. S. Sheridan, to United States of America, Navy. Control means comprising a resilient coupling for cooling system elements. 3,000,389, 9-19-61, Cl. 137—68.

Alsgaard, Richard W., and J. W. Gilkey, to Dow Corning Corp. Method of tanning hide. 2,970,881, 2-7-61, Cl. 8—94.33.

Alsing, Carl F., to Westinghouse Electric Corp. Air conditioning apparatus. 2,978,881, 4-11-61, Cl. 62—324.

Alsing, Carl F., to Westinghouse Electric Corp. Thermoelectric heat pump. 3,004,393, 10-17-61, Cl. 62—3.

Alsing, Carl F., to Westinghouse Electric Corp. Air conditioning apparatus. 3,009,335, 11-21-61, Cl. 62—324.

Alsop, Alfred N., to Lines Bros. (Canada) Ltd. Locking peg catch. 2,972,488, 2-21-61, Cl. 280—47.37.

Alsop, Alfred N., to Lines Bros. (Canada), Ltd. Canopy frame. 2,995,138, 8-8-61, Cl. 135—7.1.

Alsop, William G., and A. C. Bell, to Colgate-Palmolive Co. Cocoa butter substitute and process of making same. 2,993,063, 7-18-61, Cl. 260—410.6.

Alspaugh, Paul L., J. W. Heimaster, and R. L. McNeill, to Union Carbide Corp. Cutter and conveyor mechanism for remote controlled mining machine. 2,991,058, 7-4-61, Cl. 262—7.

Alstadter, David, to United States of America, Air Force, Air dielectric strip-line tunable bandpass filter. 2,968,012, 1-10-61, Cl. 333—73.

Alster, Frank G.: *See*—
Barr, Naaman F., and Alster. 2,985,600.

Alston, Frank A. Adjustable mounts for self-centering chucks. 2,984,494, 5-16-61, Cl. 279—6.

Alston, Paul W. Method for purifying sugar bearing beet diffusion juice. 2,976,189, 3-21-61, Cl. 127—48.

Alsup, Richard G., and P. E. Lindvig, to E. I. du Pont de Nemours and Co. Polyoxymethylene compositions stabilized with a synthetic superpolyamide. 2,993,025, 7-18-61, Cl. 260—42.

Alt, Arthur, to Monsanto Chemical Co. Etherification of hydroxy aromatic aldehydes. 3,007,968, 11-7-61, Cl. 260—600.

Alt, Carl G., to Carrier Corp. Air flow control means for an air conditioning unit. 3,008,309, 11-14-61, Cl. 62—429.

Alt, Gerhard H.: *See*—
Knowles, William S., and Alt. 3,012,035.

Alt, Rudolph: *See*—
Shaw, Sherman W., and Alt. 2,994,360.

Altadonna, Anthony J. Carryall vehicle. 2,986,401, 5-30-61, Cl. 280—36.

Altair, Inc.: *See*—
Mancusi, Joseph J., Jr. 3,008,479.

Altalános Géptervező Iroda: *See*—
Széky, Pálma, Neményi, and Eöllös. 2,971,898.

Altamura, Mario R.: *See*—
Loconti, Joseph D., Davies, Hunter, Coles, and Altamura. 2,978,584.

Altar, William: *See*—
Anderson, Arthur E., and Altar. 3,002,101.

Altenburg, Robert Y., to Freeland Gauge Co. Air circuit gauge. 3,002,286, 10–3–61, Cl. 33—174.

Altenburg, William M. Snow-melting machine and method. 2,977,955, 4–4–61, Cl. 126—343.5.

Altenburger, Clarence L., to National Steel Corp. Method of making pig iron and producing malleable iron. 2,984,564, 5–16–61, Cl. 75—130.

Altenburger, Clarence L., and F. A. Bourke, to National Steel Corp. Columbium containing steels, process for their manufacture and articles prepared therefrom. 3,010,822, 11–28–61, Cl. 75—123.

Altenschöpfer, Theodor, E. Enk, and H. Spes, to Wacker-Chemie G.m.b.H. Process for the purification of ketene. 2,967,888, 1–10–61, Cl. 260—585.5.

Altenweger, Alois, to Zellweger Ltd., Uster Factories for Apparatus and Machines. Mounting frame for warp tying machine. 2,972,797, 2–28–61, Cl. 28—41.

Altermatt, Hans, to Ciba Ltd. Process for coloring spinning or like compositions for producing shaped structures. 2,993,024, 7–18–61, Cl. 260—37.

Altermatt, Hans, and J. Koch, to Ciba Ltd. Process for dyeing fiber-forming polyamides from the melt. 3,006,882, 10–31–61, Cl. 260—37.

Altes, Stephen K., to General Electric Co. Color television receiver system. 2,972,013, 2–14–61, Cl. 178—5.4.

Altherr, Russell G., to American Steel Foundries. Rotor brake arrangement. 2,979,164, 4–11–61, Cl. 188—59.

Althouse, William S., Jr.: *See*—
Conrad, Martin B., and Althouse. 2,999,544.

Altieri, Joseph R., to USECO, Inc. Continuously rotatable multiturn potentiometer. 2,979,683, 4–11–61, Cl. 338—143.

Altman, David: *See*—
Altman, Murray, D., and S. E. 3,007,178.

Altman, Fred E., to United States of America, Air Force. Field lenses for telescopes. 3,014,407, 12–26–61, Cl. 88—57.

Altman, Jacob I., to Deb Shoe Co., Inc. Instep straps. 3,000,119, 9–19–61, Cl. 36—58.5.

Altman, Murray: *See*—
Cohen, Arnold, and Beder. 2,988,229.

Altman, Murray, D., and S. E. Combination steam bath and shower. 3,007,178, 11–7–61, Cl. 4—161.

Altman, Seymour E.: *See*—
Altman, Murray, D., and S. 3,007,178.

Altmann, Heinz C., and G. S. Rugg, to Eastman Kodak Co. Rotary cutter for producing a progressive transverse cut on a web. 3,000,250, 9–19–61, Cl. 83—341.

Altmann, Werner E., to Daimler-Benz Aktiengesellschaft. Self-locking differential gear. 2,967,438, 1–10–61, Cl. 74—650.

Altmann, Werner E., to Daimler-Benz Aktiengesellschaft. Shifting arrangement for change speed gears. 2,967,598, 1–10–61, Cl. 192—114.

Altmann, Werner E., to Daimler-Benz Aktiengesellschaft. Synchronization arrangement. 2,993,579, 7–25–61, Cl. 192—114.

Altmann, Werner E., to Daimler-Benz Aktiengesellschaft. Disengageable clutch construction. 2,998,114, 8–29–61, Cl. 192—52.

Alto Corp.: *See*—
Lecrone, Dale S. 2,987,089.

Altom, Roy E.: *See*—
McCoy, Lorraine, and Altom. 2,971,204.

Alton Box Board Co.: *See*—
Hemann, Ronald R. 3,000,603.
Hollis, Robert F. 2,977,274.
Hollis, Robert F. 3,007,519.

Alton, William J., L. M. Deeks, T. J. O'Donnell, and S. H. S. Raub, to Union Carbide Corp. Liquid entrainment separator. 3,006,435, 10–31–61, Cl. 183—2.

Altonji, Edmund R., and E. A. Kunkel, to International Telephone and Telegraph Corp. Rotating shaft position read-out system, 2,987,717, 6–6–61, Cl. 340—347.

Altorfer, Henry W., to American Motors Corp. Laundry equipment. 2,995,917, 8–15–61, Cl. 68—15.

Altorfer, Henry W., to American Motors Corp. Washing machine with dispensing unit. 3,010,304, 11–28–61, Cl. 68—23.

Altschuler, Samuel: *See*—
Swift, Robert J., Affrunti, Altschuler, and Gans. 2,968,986.

Altschuler, Samuel, to United States of America, Army. Single-shuttle twin-barrel gun. 2,973,692, 3–7–61, Cl. 89—33.

Altwicker, Elmar R., A. B. Garrett, E. A. Weilmuenster, and S. W. Harris, to Olin Mathieson Chemical Corp. Alkyl decaboranes and method for their manufacture. 2,999,117, 9–5–61, Cl. 260—606.5.

Altwicker, Hubert J. Die. 3,013,657, 12–19–61, Cl. 207—17.

Alu, Salvatore, to Gotham Pressed Steel Corp. Bowling games. 3,001,794, 9–26–61, Cl. 273—127.

Alumatic Corp. of America: *See*—
Zitomer, Abe. 2,967,335.
Zitomer, Abe. 2,967,595.

Aluminum Co. of America: *See*—
Angevine, John S. 3,009,863.
Atman, Jay W., and Hall. 2,986,053.
Bergmann, Werner J. 2,968,847.
Blayden, James H. 2,999,671.
Butler, William R., Freeman, and Flucker. 2,995,224.
Cochran, Charles N., Brandt, and Foster. 2,995,479.
Cochran, William C. 2,987,417.
De Boalt, Fred F. 3,000,219.
Dell, Manuel B., and Stowe. 2,967,815.
Dell, Manuel B., and Stroup. 2,983,665.
Dressler, Philip d'H., and Angevine. 2,983,022.
Eiland, Ehrlich M. 2,976,170.
Emery, Durward L., and Bennett. 2,976,230.
Gamber, Erwin J. 3,006,473.
Judge, William Q., and Rusnock. 3,010,712.
Keller, Fred, and Franz. 2,995,478.
Maduk, Eugene A., and Ricker. 3,011,982.
Milliken, Spencer R. 2,969,590.
Myers, Robert R. 2,999,703.
Ricker, Richard W., and Wallace. 3,011,983.
Schrecker, Howard F., and Singleton. 2,970,706.
Smith, Herman W. 2,982,862.
Stowe, Vernon M. 2,983,666.
Towner, Raymond J., and Lyle. 2,966,731–6.
Towner, Raymond J., and Lyle. 2,994,947.
Towner, Raymond J., and Lyle. 3,004,331.
Weston, Samuel C., Jr., and Oswald. 2,968,835.

Aluminum Extrusions, Inc.: *See*—
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Aluminum Industries, Inc.: *See*—
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Aluminium Laboratories Ltd.: *See*—
Mackie, Alastair M. 2,996,792.

Aluminum Refrigerator Door Co., Inc.: *See*—
Kurowski, Walter J. 2,987,782.

A-Lure, Inc.: *See*—
Arff, John H. 2,995,857.

Alvarez, Edward V. Sprinkler head. 3,009,650, 11–21–61, Cl. 239—230.

Alverson, Thomas E., to Westinghouse Electric Corp. Transformer tap changing system. 3,015,057, 12–26–61, Cl. 323—43.5.

Alvey-Ferguson Co., The: *See*—
Sullivan, Norman M. 2,979,177.

Alwac International, Inc.: *See*—
Cox, Austin G. 3,014,434.
Hagen, Glenn E. 2,999,636.
Hook, Albert S., Goodman, and Hutter. 2,977,178.
Lindner, Bror M. 2,985,114.

Alward, Kenneth C. Variation arrangement. 2,974,648, 3–14–61, Cl. 121—194.

Alweg-Forschung G.m.b.H.: *See*—
Ihmig, Rudolf. 2,977,892.
Macrander, Karl. 2,974,606.
Rosenbaum, Kurt. 2,977,893.
Schütze, Georg. 3,013,504.
Schütze, Georg, and Barthelmess. 3,011,657.
Schütze, Georg, Barthelmess, and Hehl. 2,968,082.

Alweg-Forschung G.m.b.H.-Koln: *See*—
Deller, Konrad. 2,993,647.
Rosenbaum, Kurt. 2,987,013.
Rosenbaum, Kurt, Schutze, and Leyendecker. 2,997,004.

Alwood, Inc.: *See*—
Burkner, Wolfgang. 2,979,105.

Amada, Sanae. High speed printing system. 3,012,499, 12–12–61, Cl. 101—93.

Amala, Raymond S., and R. E. Schroeder, to General Motors Corp. Shell mold and method of manufacture. 2,976,588, 3–28–61, Cl. 22—193.

Amalgamated Wireless (Australasia) Ltd.: *See*—
Allen, John F. 3,005,159.
Barlow, Walter F. 2,997,656.

Amana Refrigeration, Inc.: *See*—
Whitesel, Harry A. 2,984,089.

Amara, Dominic, and H. F. Rempt, to Lockheed Aircraft Corp. Optical infrared sight system. 3,007,051, 10–31–61, Cl. 250—83.3.

Amara, Roy: *See*—
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Amason, Myron P., to Douglas Aircraft Co., Inc. Lightning arrester for radomes. 2,982,494, 5–2–61, Cl. 344—1.

Amatel, Harold, to Westinghouse Electric Corp. Article packing and dispensing carton. 2,980,240, 4–18–61, Cl. 206—45.14.

Amatel, Harold, and S. P. Sanford, to Westinghouse Electric Corp. Lamp container. 2,983,372, 5–9–61, Cl. 206—65.

Amazon, Irving J. Degating device for plastic moulds. 3,013,303, 12–19–61, Cl. 18—42.

Ambco, Inc.: *See*—
Du Vall, Wilbur E. 2,985,725.
Du Vall, Wilbur E. 3,007,002.

Amberg, Styrbjörn: *See*—
Schrewelius, Nils G., and Amberg. 2,993,111.

Amble, Elmer L. Amusement device. 2,995,369, 8–8–61, Cl. 272—51.

Ambler, Ernest, to United States of America, Commerce. Low temperature refrigeration apparatus and process. 2,982,106, 5–2–61, Cl. 62—9.

Ambli, Andrew. Converter top for open topped trailers and the like. 2,969,284, 1–24–61, Cl. 296—100.

Am-Bol Corp.: *See*—
Bolsey, Jacques. 2,979,985.
Amborski, Leonard E., to E. I. du Pont de Nemours and Co. Process for producing films. 2,975,484, 3–21–61, Cl. 18—48.
Ambrose, Anthony A. Adapter for lathe chuck and the like. 2,998,258, 8–29–61, Cl. 279—41.
Ambrose, Henry A., to Gulf Research & Development Co. Treatment of distillate fuel oils with aqueous anti-microbial agents. 2,975,043, 3–14–61, Cl. 44—72.
Ambrose, Henry A., and E. L. Humphrey, to Gulf Research & Development Co. Hydrocarbon oils containing N-substituted aminopropylamine monosulfonates. 2,989,387, 6–20–61, Cl. 44—72.
Ambrose, Henry A., and E. L. Humphrey, to Gulf Research & Development Co. N-substituted aminopropylamine monosulfonates. 2,989,564, 6–20–61, Cl. 260—501.
Ambrose, James W., to E. O. Williams. Inner tube boat frame. 2,983,245, 5–9–61, Cl. 115—26.3.
Ambrose, McLean A.: *See*—
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Ambrosini, Leonard R., to Lear, Inc. Double spool flow feedback valve. 3,012,577, 12–12–61, Cl. 137—622.
Ambrosio, Theodore G., and E. J. Meyers. Tilting table saw. 3,013,592, 12–19–61, Cl. 143—36.
Amburn, Duane W. Detachable book rack for folding chairs. 2,979,120, 4–11–61, Cl. 155—188.
Amchem Products, Inc.: *See*—
Beatty, Robert H. 2,978,838.
Hart, Richard D., and Raman. 3,013,873.
Heller, Ferdinand P., and Beamon. 2,987,428.
McLane, Stanley R., Bishop, and Raman. 3,014,063.
Melander, Leonard W., McLane, and Sutherland. 2,992,089.
Newhard, Nelson J., Jr., Dollman, and Steinbrecher. 2,988,465.
Saukaitis, Albert J., Gardner, and Gibson. 2,975,125.
Schell, James H., Douty, and Faigen. 2,999,811.
Steinbrecher, Lester. 3,009,842.
Amco Engineering Co.: *See*—
Anderson, Edwin V., Mack, and Friberg. 2,991,140.
Anderson, Edwin V., Mack, and Friberg. 3,012,835.
Amdur, Allen C., and Curtis B. Hayworth, to Allied Chemical Corp. Method of roasting pyrites. 2,984,561, 5–16–61, Cl. 75—9.
Amdur, Charles J., and E. J. Weinstein. Door knob cover. 2,997,089, 8–22–61, Cl. 150—52.
Amdur, Charles J., and E. J. Weinstein. Ornamental door knob cover. 2,999,523, 9–12–61, Cl. 150—52.
Am Dyne Trust: *See*—
Fisher, John C. 2,972,957.
Amelio, Armand F., to United States of America, Navy. Throttle control. 2,987,935, 6–13–61, Cl. 74—480.
Amen, Nicholas C. Mascara container and applicator. 2,990,834, 7–4–61, Cl. 132—85.
Ament, Jack A. Snap-on battery terminal. 3,005,181, 10–17–61, Cl. 339—239.
Amenta, Italo M., to Emhart Mfg. Co. Case packer. 2,985,321, 5–23–61, Cl. 214—6.
Amercoat Corp.: *See*—
Houghton, Charles R. 2,998,269.
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Lowe, Ernest. 2,996,063.
American Agricultural Chemical Co., The: *See*—
Evans, Robert D., and Breathitt. 2,967,617.
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Cook, L. Russell. 2,969,285.
Cook, L. Russell. 2,969,286.
Copenhefer, John E. 2,984,286.
Kirk, Harold L. 2,979,124.
Millman, William V. 2,971,450.
Millman, William V. 3,013,412.
O'Dell, Leonard J. 3,009,538.
Palmore, Robert A. 3,003,582.
Palmore, Robert A. 3,007,651.
Palmore, Robert A. 3,013,630.
Robson, Aubrey H. 2,975,828.
Robson, Aubrey H. 2,979,264.
Robson, Aubrey H. 2,990,117.
Robson, Aubrey H. 3,005,887.
Sexton, Robert W. 2,966,958.
Smith, Ralph B., and Tolson. 3,013,714.
Stock, Charles S. 2,979,265.
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American Aluminum Co.: *See*—
Williamson, Robert D. 3,005,569.
American Archery Co. Inc.: *See*—
Layer, Clarence L. 2,985,885.
American Art Metals Co.: *See*—
May, Maurice. 2,971,229.
American Bed & Spring Co.: *See*—
Coopersmith, Rudolph, Lozano, and Greenblatt. 2,975,433.
American Biltrite Rubber Co., Inc.: *See*—
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Marcus, Natalie S., Holmstrom, and Smith. 3,012,285.
American Binder Co. of California, The: *See*—
Sutton, Charles O. 2,996,774.
American Bleached Shellac Mfg. Association, Inc.: *See*—
Johnston, Herbert N. 2,991,262.
American Bosch Arma Corp.: *See*—
Abt, Clifford F., Carr, Miner, and Spitalny. 2,983,442.
Agins, George. 2,968,953.
Agins, George. 2,968,956.
Agins, George. 2,987,927.
Agins, George. 2,989,672.
Agins, George. 3,009,361.
Agins, George, Bock, and Miner. 2,988,685.
Agins, George, Bock, and Miner. 3,007,634.
Bischoff, Waldemar O. 2,988,999.
Bischoff, Waldemar O. 3,000,369.
Bischoff, Waldemar O. 3,011,490.
Brosh, Amnon. 2,989,730.
Brosh, Amnon. 3,009,134.
Davenport, Charles T. 2,968,955.
Hakimoglu, Ayhan. 2,976,496.
Humber, John N., and Nystrom. 2,989,044.
Kritz, Jack. 2,984,111.
Litman, Bernard, Pavalow, Savet, and Statsinger. 2,976,733.
Maguire, John J. 2,983,476.
Miller, Walter S. 2,989,481.
Miller, Walter S. 2,989,482.
Miller, Walter S. 2,989,483.
Million, John W., Jr. 2,980,797.
Miner, Richard Y. 2,969,539.
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Noddin, Ray C. 3,004,181.
Norris, Myron E. 3,013,220.
Nystrom, Carl H., and Hinse. 2,969,085.
Rumrill, Howard J. 3,002,282.
Rumrill, Howard J., and Howe. 3,010,329.
Savet, Paul H. 2,969,182.
Scotto, Dominik P. 3,002,392.
Stahl, Raymond A. 2,996,611.
Taylor, Marvin. 2,992,562.
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American Box Board Co.: *See*—
Anderson, Wilbur G., Jr. 2,978,163.
Anderson, Wilbur G., Jr. 2,986,324.
Monroe, Lee P. 3,000,494.
Schwebs, Robert K. 2,968,392.
Zeitter, Charles R. 2,989,211.
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Adams, Cecil E. 2,998,869.
Atchley, Raymond D. 2,996,072.
Avery, Howard S., and Chapin. 3,010,823.
Boron, Frank J. 2,980,349.
Boron, Frank J. 2,986,349.
Boron, Frank J. 2,991,061.
Boron, Frank J. 2,997,287.
Boron, Frank J. 3,006,625.
Cox, Isaac E. 2,997,348.
Frichette, Roswell S., Jr. 2,999,564.
Gaslow, Joseph H. 2,981,287.
Godfrey, Charles E. 3,010,408.
Godfrey, Charles E., and Johnson. 3,010,407.
Halada, John P. 3,011,244.
Hoyer, Llewellyn E. 2,982,571.
Hoyer, Llewellyn E. 3,010,741.
Hoyer, Llewellyn E., and Gorcyca. 2,980,470.
Hoyer, Llewellyn E., and Gorcyca. 3,004,805.
Hoyer, Llewellyn E., and Santos. 2,989,992.
Huntress, Howard B. 2,992,706.
Huntress, Howard B. 3,003,588.
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Johnson, Oscar H. 2,980,352.
Kistler, Max W. 2,993,669.
Magnus, Oscar F. 2,995,209.
Ratkowski, Thomas A. 2,993,656.
Ratkowski, Thomas A. 2,998,201.
Renick, Wendell E. 2,986,161.
Shaw, Edwin L. 3,006,324.
Smilges, Robert. 2,976,878.
Spokes, Raymond E., and Smith. 2,966,737.
Stemberger, John. 2,995,210.
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American Can Co.: *See*—
Aldington, Elmer T. 2,985,354.
Aldington, Elmer T. 2,993,636.
Andrews, David B. 3,003,679.
Armstrong, James W., and Rafoth. 2,981,456.
Arslanian, Charles S. 2,973,551.
Asman, Norman J. 3,002,673.
Baselt, Frederick C. 2,980,311.
Behrens, Herbert C. 2,969,901.
Bennett, Herbert L. 2,984,381.
Bierman, Clarence R., and Hoag. 2,986,319.
Birkland, Stellan. 2,968,178.
Bofinger, Karl. 2,996,040.
Borkmann, Frank R. 2,984,289.
Carew, Herman. 2,982,459.
Carew, Herman, and Kinney. 2,969,632.
Carew, Herman, and Kinney. 3,010,263.
Chandler, Grover C. 2,987,973.
Crowe, Joseph S. 2,994,454.
Curler, Howard J., and Bauer. 2,982,245.
Curry, Clyde W. 3,010,206.
Dannenbrink, Robert W., and Unmuth. 2,999,828.

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De Gear, Edward. 2,966,871.
Doudera, John J., Jr. 3,005,432.
Elam, William B. 2,997,931.
Fredette, Joseph H. 2,979,193.
Gordon, James H. 2,984,162.
Gordon, James H., Peterson, and Stone. 3,001,343.
Gotsch, Lenard P., and Hardy. 2,991,544.
Gotsch, Lenard P., Vitense, and Baselt. 2,997,904.
Grover, Victor T. 2,973,735.
Groves, James H. 2,970,077.
Hommel, William B. 2,999,687.
Huss, William S., and Kuchenbecker. 2,974,852.
Jones, Vincent C., Huss, and Krueger. 3,010,670.
Kaschner, Daniel B., Sr. 2,974,953.
Kinney, Alfred W. 2,974,459.
Kuchenbecker, Morris W. 2,984,400.
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Lingelbach, Charles J., Jr. 3,000,744.
Makowski, Alexander G. 2,980,963.
Matejek, John M. 3,010,618.
McBean, Douglas M., and Tallman. 3,010,588.
Nordquist, Ronald E. J. 2,984,365.
Nordquist, Ronald E. J. 3,006,070.
Peterson, Howard B., and Anderson. 2,994,444.
Pottle, Ralph K. 2,978,093.
Quinche, Albert. 2,994,107.
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Roberge, Howard. 2,973,116.
Roehrbein, Philip A., and Matusevich. 3,010,562.
Root, Andrew A. 2,981,444.
Schmidt, August F., and Belke. 2,991,217.
Schniepp, Lester E., Mietz, and Groves. 2,986,539.
Schoenfeld, William H., Jr. 2,968,091.
Schultz, Robert S. 2,997,731.
Socke, John E. 3,001,637.
Socke, John E. 3,001,787.
Stacey, Frank J., and Schulz. 2,974,775.
Vitense, Harold R., Wobbe, and Weygant. 2,984,138.
Wichman, Merle A. 2,986,323.

American Cast Iron Pipe Co.: *See*—
MacKay, Jack W. 2,991,092.

American Casting and Mfg. Corp.: *See*—
Wenk, Henry L. C., Jr. 2,992,034.

American Colloid Co.: *See*—
Clem, Arthur G. 2,971,922.
Clem, Arthur G. 2,988,525.

American Control Corp.: *See*—
Thiele, Theodore H. 3,005,487.

American Crucible Products Co., The: *See*—
Kaatz, Herbert W. 2,969,740.

American Cyanamid Co.: *See*—
Allen, Eugene M. 2,968,856.
Allen, George R., and Weiss. 3,001,991.
Allen, George R., Jr., and W. S. Allen, and Weiss. 3,006,933.
Allen, George R., Jr., and Weiss. 2,975,197.
Allen, William S., and Feldman. 3,010,877.
Amick, Chester A. 3,003,843.
Barclay, Kenneth M., Nobles, and Kruppa. 3,010,882.
Beachem, Michael T., and Shaw. 2,993,932.
Becker, Robert H., Johnson, and Martin. 2,991,502.
Becker, Robert H., Martin, and Ponson. 3,007,225.
Becker, Robert H., Martin, and Ponson. 3,007,226.
Berkelhammer, Gerald. 3,005,002.
Berkelhammer, Gerald. 3,005,004.
Berkelhammer, Gerald, and Wagner. 2,992,158.
Bernardi, John J. 2,992,274.
Bernstein, Seymour, and Allen. 2,990,401.
Bernstein, Seymour, Brown, and Lenhard. 3,002,968.
Bernstein, Seymour, Heller, and Stolar. 2,993,042.
Bernstein, Seymour, and Lenhard. 2,990,415.
Berry, William L., and Mosby. 2,967,862.
Berry, William L., and Mosby. 3,012,031.
Blank, Robert H., Shay, Pruess, and Rigler. 2,982,695.
Boothe, James H., and Green. 3,013,075.
Bott, George S., and Taylor. 2,999,588.
Boyle, Richard J., Birsten, and Mosby. 2,970,146.
Brockman, John A., Jr. 2,970,161.
Broquist, Harry P., Albrecht, and Stiffey. 2,980,590.
Browne, Edwin C., and Sofield. 2,981,693.
Buccino, Gaetano S. 2,985,293.
Buckler, Sheldon A. 2,969,390.
Buckler, Sheldon A. 2,969,398.
Buckler, Sheldon A. 2,984,683.
Buckler, Sheldon A. 3,005,020.
Buckler, Sheldon A. 3,013,085.
Buckler, Sheldon A., and Doll. 2,999,882.
Buckler, Sheldon A., and Epstein. 3,005,029.
Buell, Bennett G., and Greenwood. 2,992,218.
Bullock, Milon W., and Hand. 2,990,410.
Carpenter, Erwin L., and Booth. 2,984,354.
Chamberlain, Ralph J. 2,978,415.
Chomitz, Nicholas, and Rathjens. 2,973,371.
Clark, Walter L. 3,000,748.
Cohen, Elliott, and Vaughan. 2,976,289.
Coleman, Ralph A., Arthen, Millonis, and Foster. 3,014,908.
Coleman, Ralph A., and Rodgers. 2,971,921.
Coleman, Ralph A., and Susi. 3,000,833.
Cooper, Murray S. 2,974,787.
Cooper, Murray S. 3,010,455.
Cresswell, Arthur, Cummings, and Swain. 3,000,691
Daniel, John H., Jr. 2,986,543.

American Cyanamid Co.: *See*—Continued
Daniel, John H., Jr., and Rossler. 2,967,834.
De Grunigen, Alfred C. 2,980,589.
De Grunigen, Alfred C., and Ferguson. 2,998,350.
Dixon, James K., Smolin, and Saunders. 2,976,333.
Edmonds, Frank A., and Doyle. 2,970,033.
Fields, Thomas L., and Kende. 3,013,063.
Fless, Norman W. 3,010,970.
Fitchett, Gilmer T., Gordon, and Shepherd. 2,974,137.
Frank, Simon, and Gagliardi. 2,980,723.
Frazza, Everett J., and Price. 3,001,974.
Frazza, Everett J., and Rapoport. 2,992,223.
Frazza, Everett J., and Rapoport. 3,001,995.
Friedlander, Henry Z. 3,008,942.
Gadekar, Shreekrishna M., and Frederick. 3,014,906.
Gagliardi, George N. 3,004,065.
Garber, Murray. 2,985,655.
Gaul, Richard J., and Fremuth. 3,006,919.
Gentile, Anthony J., and Porter. 2,980,554.
Gerhardt, Gerard E. 2,999,590.
Glace, Nathaniel J. 2,971,929.
Glade, Nathaniel J. 2,971,930.
Glade, Nathaniel J. 2,971,931.
Gleckler, George C., and Sutherland. 2,999,881.
Goodman, Joseph J, and Matrishin. 2,982,693.
Gordon, John E., Goodemoot, and Dorf. 3,004,027.
Grayson, Martin, and Keough. 3,005,013.
Groszos, Stephen J. 2,967,877.
Growich, John A., Jr., and Miller. 3,007,965.
Hardy, William B., and Adams. 3,004,038.
Hardy, William B., Forster, and Coleman. 2,976,259.
Hardy, William B., and Von. 3,004,029.
Hart, William F. 2,982,746.
Hein, Delton W., Albeim, and Leavitt. 2,985,661.
Hengel, Mathew C. 2,987,952.
Henley, Ernest J. 2,992,070.
Henley, Ernest J., and Bell. 2,983,717.
Herbes, William F., and Wintringham. 2,981,704.
Hewitt, Redginal I., and Waletzky. 3,007,845.
Hodes, William. 3,014,897.
Hoffenberg, David S. 2,981,758.
House, Ronald R., and Moore. 2,980,609.
Housekeeper, Richard N. 2,998,411.
Innes, William B., Michael, Pennell, and Chomitz. 2,988,521.
Jefts, Albert W., and Quinlan. 2,998,410.
Jefts, Albert W., and Rotherham. 2,986,547.
Jen, Yun. 2,977,245.
Jen, Yun, and Johnson. 2,976,262.
Jen, Yun, Johnson, and Alola. 2,976,263.
Jewett, Joseph E. 2,986,454.
Jewett, Joseph E. 2,989,545.
Joyce, Asa W. 2,967,867.
Kaplan, Earl, and Morath. 3,004,002.
Kaplan, Earl, and Von. 2,970,880.
Kende, Andrew S., and Knshner. 2,987,545.
Kesler, Martin L., and Morgan. 2,981,729.
Kinstler, Robert C. 2,981,325.
Kinstler, Robert C. 2,996,543.
Klein, Arthur F., and Voorhees. 2,995,413.
Klingsberg, Erwin. 2,995,584.
Kocay, Witold R. and Wishman. 3,012,997.
Kolodny, Edwin R. 3,002,960.
Lawler, Edward B., and Ballou. 2,969,332.
Lawler, Edward B., and Ballou. 2,997,407.
Lecher, Hans Z., and Adams. 2,977,329.
Leeson, Lewis J., Muller, and Sieger. 3,005,839.
Light, Charles E. 2,967,832.
Lineken, Edgar E. 3,000,863.
Longfield, James E., and Dixon. 3,002,990.
Luttinger, Lionel B. 3,006,471.
Malley, Thomas J., and Schindler. 2,991,255.
Malley, Thomas J., Schindler, Pennell, and Innes. 2,980,632.
Maxwell, Charles S. 2,986,489.
McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,970,947.
McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,996,499.
McCormick, Jerry R. D., Sjolander, and Hirsch. 2,998,352.
McCormick, Jerry R. D., and Smith. 3,005,025.
McKenzie, Herbert A., and Stanley. 2,999,007.
Mecco, Jerry M. 3,014,776.
Meriwether, Lewis S., and Colthup. 2,998,463.
Michael, Malden W. 3,000,813.
Michael, Malden W. 3,000,838.
Michel, George H. 3,002,980.
Miller, Bernard. 2,992,264.
Miller, Philip A. 3,005,023.
Miller, Philip A., Goodman, Sjolander, and McCormick. 2,987,449.
Moore, Sewell T. 2,012,912.
Moran, Albert E., and Kaplan. 2,971,812.
Morin, Lucille T., and Matsuda. 3,004,060.
Mosby, William L., and Berry. 2,967,861.
Moyer, Samuel P. 2,978,394.
Nagy, Daniel E. 2,970,031.
Nemes, Joseph J., and Vartanian. 2,999,847.
Nevin, Charles S., and Fletcher. 2,992,239.
Oldham, Wilbur N., and Granito. 3,007,885.
Origoni, Victor E., Fox, and Smith. 3,002,010.
Oros, Nicholas R., and Vartanian. 2,970,080.
Osban, William R. 3,012,427.
Parker, Alfred O. 2,981,590.
Pepper, Foster L., and Fless. 2,990,405.

American Cyanamid Co.: *See*—Continued
Petropoulos, John C. 2,977,338.
Petropoulos, John C. 2,979,486.
Petropoulos, John C. 2,998,399.
Petropoulos, John C., and Sullivan. 2,979,534.
Pillon, Dante A., and Kaplan. 2,968,630.
Potter, Allen G., Jr., and Weyker. 2,968,676.
Pounds, Lewis C. 2,977,272.
Pretka, John E. 3,008,969.
Roberts, George L., Jr., McSheehy, and Soffer. 2,975,190.
Robertson, T. H. and Klausner. 2,984,912.
Roth, Philip B., and Wallwork. 2,997,773.
Saunders, Kenneth W., Longfield, and Ryder. 2,989,544.
Saxon, Robert. 2,994,623.
Saxon, Robert, and Burgess. 2,990,392.
Scalera, Mario, Tomcufcik, and Hardy. 2,967,863.
Scanley, Clyde S., and Buckler. 2,984,551.
Scanley, Clyde S., Matsuda, and Coleman. 2,970,897.
Schaub, Robert E., and Weiss. 2,998,433.
Schiller, Arthur M. 2,978,517.
Schuller, Walter H. 2,977,337.
Schuller, Walter H., and Guth. 2,974,119.
Selbin, Joel. 2,972,577.
Selbin, Joel. 2,976,233.
Sentz, Lemuel E., Jr., and Curtis. 3,003,862.
Serreze, Victor C., Jr. 2,977,188.
Serreze, Victor C., Jr., and Kocay. 2,977,187.
Sheehan, Gerard M., Whately, and Roberts. 3,004,858.
Sheers, Edward H., and Chamberlain. 2,980,715.
Sheers, Edward H., and Chamberlain. 2,986,584.
Shuller, Walter H., and Price. 2,977,341.
Sisco, William E., and Wiederecht. 2,981,664.
Smolin, Edwin M., Dixon, and Saunders. 2,976,334.
Stafiej, Stanley F. 2,998,449.
Stamm, Robert F., and Button. 2,999,414.
Stanley, Alan, and McKenzie. 3,000,704.
Stecher, Edward J. 2,981,394.
Sunderland, George B. 3,006,871.
Szumski, Stephen A. 3,012,946.
Taylor, Arthur S., and Corley. 2,985,192.
Thelin, Jack H., Vriens, and Medcalf. 2,985,687.
Thomas, Walter M., Groszos, and Day. 2,985,685.
Torre, Salvatore F. 3,008,962.
Tribit, Samuel W. 2,970,998.
Von, Isaiah, and Hardy. 2,993,901.
Wasserman, Max. 3,012,375.
Welmer, Donald C. 2,967,799.
Weindling, Richard. 2,985,564.
Wilkinson, Raymond G., and Fields. 3,013,069.
Wilkinson, Raymond G., Fields, and Kende. 3,002,993.
Williams, Emil F., and Woodberry. 3,002,994.
Williams, Emil F., and Woodberry. 3,002,995.
Wilson, Abraham, and O'Brien. 2,987,474.
Wishman, Marvin, and Kocay. 2,983,718.
Wishman, Marvin, and Kocay. 3,012,998.
Wooding, William M. 2,987,418.
Wozniak, Edmund P., and Matsuda. 2,979,547.
Wright, William B., Jr. 3,005,850.
Young, Guy B. 3,014,783.
Young, Richard W. 2,996,531.

American Cystoscope Makers, Inc.: *See*—
Hett, John H. 2,990,830.

American Display Co., The: *See*—
Dunkelberger, Jack E. and B. C. 2,966,992.

American District Telegraph Co.: *See*—
Bemis, Philo S. 2,985,871.
Boehm, Albert. 3,014,205.
Ghersi, Dominick A. 2,983,912.
Laakmann, Peter. 2,999,230.
Lindsay, Maxwell H. A. 3,009,138.
MacDonald, Leslie A. 2,972,133.
Muehter, Manfred W. 3,010,100.
Pearson, Howard, McDonough, and Vassil. 2,971,184.
Swift, James L. 3,010,001.

American Doll & Toy Corp.: *See*—
Beebe, Herbert R. 2,996,837.
Beebe, Herbert R. 2,996,838.
Beebe, Herbert R. 3,001,323.
Beebe, Herbert R., and Harvey. 2,994,157.

American Electric Mfg. Corp.: *See*—
Ringger, Walter A., Jr. 2,978,591.

American Electronic Laboratories, Inc.: *See*—
Riebman, Leon. 2,990,522.

American Electronics, Inc.: *See*—
Benjamin, Fred, and Schoenfeld. 3,003,101.
Cooper, Benjamin, and Hohmann. 2,998,761.
Hohmann, Albert. 3,012,719.

American Emery Wheel Works: *See*—
Skoog, Harold O. 2,997,820.

American Enka Corp.: *See*—
Boerma, Jan A. K., and Heijnis. 2,993,260.
Buurman, Aart, Vroom, and Limburg. 2,970,883.
Curtis, Robert M. 2,967,646.
Daimler, Berthold, Elling, Elssner, and Heuer. 3,002,803.
Elling, Hugo, Elssner, Grotjahn, and Heuer. 2,983,572.
Elssner, Richard, and Elling. 3,007,766.
Griset, Ernest J., Jr., and Thurmond. 2,977,184.
Hennemann, Georg, and Lutgerhorst. 2,983,628.
Henneman, Georg, and Lutgerhorst. 3,000,758.
Henry, Charles L. 2,987,371.
Henry, William V. 2,993,230.
Henry, William V. 3,014,336.
Heuer, Kurt, Elling, and Elssner. 2,974,004.

American Enka Corp.: *See*—Continued
Heuer, Kurt, McPeters, and Knight. 2,974,005.
Laws, Cecil F., Newsome, Patton, and Whitehurst. 2,993,229.
Limburg, Pieter C., Buurman, and Vroon. 2,978,292.
Neal, Richard D. 2,970,790.
Penland, Hilliard H. 3,000,168.
Schönberg, Endre, and van Assendelft. 3,002,880.
Sluijters, Robert. 2,986,775.
Smith, Robert D., and Floros. 2,993,811.
Steen, John B. 2,976,671.
Van den Bergh, Barend, and Stadig. 2,993,333.
Van Dijk, Pieter. 2,998,693.
Van Dongeren, Bernhard J. 2,974,070.
Van Dongeren, Bernhard J. 2,991,685.

American Excelsior Corp.: *See*—
Gasch, Dale J. 2,996,787.

American Fixture, Inc.: *See*—
Schulze, Howard L. 3,004,814.

American Flange & Mfg. Co., Inc.: *See*—
Parish, Richard L., Jr., and Dearing. 2,972,431.
Roberts, Seward M. 3,000,544.

American Forge and Mfg. Co.: *See*—
Calhoun, Robert J., Jr. 2,974,995.

American Gage & Machine Co.: *See*—
Sebastian, Robert W. 3,007,081.

American Gate & Machine Co.: *See*—
Arbeiter, Alvin H., and Mateja. 2,978,640.

American Greetings Corp.: *See*—
Pearce, Lewis C. 2,977,733.
Pearce, Lewis C. 2,998,972.

American Hardware Corp., The: *See*—
Ahlquist, Russell W. 3,010,142.
McCandless, George T. 3,000,062.
Unetic, Andrew J. 2,998,273.
Welch, Nicholas A., and Vahlstrom. 3,014,748.

American Heat-Seal, Inc.: *See*—
Bono, Joseph J., and Roos. 2,999,521.
Roos, Cyril J. 3,006,091.

American Hoist & Derrick Co.: *See*—
Johnson, Algot F. 2,978,820.

American Home Products Corp.: *See*—
Ashkenaz, David M. 2,987,438.
Ashkenaz, David M. 2,995,308.
Dann, Morris, and Linke. 2,994,323.
Farrar, George E., Jr., Hersh, and Barnett. 2,973,300.
Hosko, Michael J., Jr. 2,982,248.
Humber, Leslie G., and Winthrop. 2,989,532.
Marshall, David J. 3,002,006.
Myers, Gordon S., and Winthrop. 2,975,208.
Seifter, Joseph, and Baeder. 3,002,888.
Shetty, Bola V. 2,970,616.
Warren, George H. 2,975,104.
Winthrop, Stanley O. 2,971,973.
Winthrop, Stanley O. 2,993,895.
Winthrop, Stanley O., and Gaudry. 2,989,528.
Winthrop, Stanley O., and Gaudry. 3,006,916.
Zilliken, Friedrich W. 3,002,887.

American Home Shelters: *See*—
Bascom, Willard. 2,968,130.

American Hospital Supply Corp.: *See*—
Bieberdorf, Frederick W., and Rhoades. 2,986,142.
Johnson, Axel E. F. 2,984,843.
Leonhardt, Charles G., and Baldwin. 3,007,478.
Whitton, Aldean W., Jr. 2,982,450.

American Industries Co.: *See*—
Hemings, Frank L. 2,988,891.

American Infra Red Radiant Co., Inc.: *See*—
Heimerl, Otto. 3,013,603.

American Instrument Co., Inc.: *See*—
Howerton, Hugh K. 2,971,429.

American Iron & Machine Works Co., Inc.: *See*—
Nay, Ralph E. 2,992,021.
Olson, Wallace F. 2,977,165.
Olson, Wallace F. 2,987,354.
Rodgers, Otis N. 2,982,355.
Smith, James F. 2,987,353.

American Lava Corp.: *See*—
Park, John L., Jr. 2,966,719.

American Lecithin Co., Inc.: *See*—
Eichberg, Joseph. 2,983,612.
Kronstein, Max, and Eichberg. 2,997,398.

American Locker Co., Inc.: *See*—
Stackhouse, Wells F. 3,008,322.

American Machine & Foundry Co.: *See*—
Bigelow, Charles G., and Kennedy. 2,985,780.
Blewitt, Roy E., Jr. 2,983,510.
Block, Charles S. 2,991,550.
Bogard, William R., and Gruss. 2,980,935.
Bourne, Roland B., and Tyskewicz. 2,994,401.
Burklund, Glenn A. 2,986,698.
Carder, Frank B., and Strauss. 2,978,986.
Carmellini, Andrew E., and Hotelling. 2,976,873.
Congelli, Henry C. 2,992,000.
Congelli, Henry C. 3,004,760.
Congelli, Henry C., and Holloway. 2,984,484.
Congelli, Henry C., and Holloway. 3,004,761.
Congelli, Henry C., Holloway, and Levendoski. 2,972,479.
Davis, Wade A., Elssmann, and Watson. 2,988,213.
Dearsley, George. 2,991,753.
Dearsley, George. 3,008,471.

American Machine & Foundry Co.: *See*—Continued
Debs, Victor. 2,971,756.
De Tomasi, James A. 3,000,383.
Drucker, William A. 3,000,764.
Drucker, William A. 3,012,561.
Edwards, James H. 2,998,597.
Eissmann, Oswald E. 2,984,276.
Eissmann, Oswald E., and Davidson. 2,984,246.
Everard, Joseph J. 2,988,608.
Everard, Joseph J. 3,001,036.
Fearnside, Kenneth. 2,978,583.
Flint, Thomas, and Fluke. 2,977,121.
Gaudet, Lawrence J. 3,012,120.
Gilman, Samuel. 2,984,352.
Grade, Tullio E., and Jackson. 2,969,631.
Hladik, Joseph A. 2,973,674.
Holloway, Robert L. 2,977,122.
Horgan, George D. 3,000,161.
Horgan, George D. 3,000,382.
Infantino, Joseph R., and Savitz. 2,980,965.
Jackson, John, and Logan. 3,008,383.
Johnson, Carl W., and Pedersen. 3,009,431.
Levinsohn, Richard B. 3,004,230.
Logan, Arthur G., Cain, and Ginsberg. 2,987,964.
Manna, Lee M. 2,988,381.
McCarten, Edward R. 2,977,172.
Merritt, Henry B. 3,012,562.
Mueller, Homer L. 2,977,153.
Mueller, Homer L. 3,008,770.
Niebuhr, Harry N. 3,003,531.
Patterson, Morehead. 2,973,963.
Patterson, Morehead. 2,984,275.
Patterson, Morehead, and Zuercher. 2,969,982.
Phillips, Malcolm E., Jr. 2,984,245.
Pinkham, Jesse R. 2,988,198.
Pinkham, Jesse R. 2,988,199.
Quisenberry, Carter E. 3,003,306.
Robinson, Jack D., Jr. 2,981,073.
Robinson, Jack D., Jr. 2,987,893.
Rosenberg, Sheldon, and Bandel. 2,988,455.
Sanders, Milton. 2,973,206.
Sanders, Milton, and Halpern. 2,980,424.
Schnick, Arthur W. 2,975,262.
Shaffer, Lloyd H. 2,984,696.
Sicard, Marcel C. 2,966,930.
Timm, Paul W., and Rulseh. 2,979,580.
Waite, Fred L., and Graubert. 2,985,990.
Walsh, Richard D. 2,974,955.
Williamson, William R., and Fraser. 2,994,647.
Zaander, Carl J. 2,980,425.
Zito, Ralph. 2,973,964.
Zuercher, John. 2,969,236.
Zuercher, John. 2,997,301.

American Machine and Metals, Inc.: *See*—
Bostwick, Lewis S., Jr., and Brastow. 2,984,114.
Bristol, Billy L. 3,004,485.
Buss, Benjamin A. Re. 24,979.
Buss, Benjamin A. Re. 24,980.
Buss, Benjamin A. Re. 25,009.
Buss, Benjamin A. 2,969,233.
Buss, Benjamin A. 3,013,421.
Buss, Benjamin A. 3,013,765.
Buss, Benjamin A., and Krynski. 2,972,510.
Buss, Benjamin A., and Krynski. 2,974,514.
Buss, Benjamin A., and Scott. 2,993,693.
Harp, Alonzo M. 2,978,167.
Husted, Lawrence E. 2,978,959.
Huyser, Francis C., and Pearson. 3,007,335.
Krynski, John E. 3,013,666.
Lee, John C. 3,010,309.
Lermont, Basil. 3,007,239.
O'Conor, Frank. 2,985,309.
O'Conor, Frank, and Daubman. 2,993,580.
Schwegler, Roy F. 3,010,307.
Votta, Frank A., Jr. 3,003,357.
Widigen, Albert F. 2,986,918.

American Maize-Products Co.: *See*—
Hullinger, Clifford H., and Yui. 2,970,140.

American Mfg. Co., Inc.: *See*—
Stanton, Robert L. 2,991,615.

American Mfg. Co. of Texas: *See*
Gallaway, Norris W. 3,005,353.
Lott, John E. 2,997,887.
Mitchell, Curtis C., and Burgon. 2,995,048.

American-Marietta Co.: *See*—
Arnold, Robert W. 2,981,651.
Bach, Henry J. 3,010,846.
Barr, Naaman F., and Bach. 2,966,874.
Church, Howard. Re. 24,954.
Dahlgren, Douglas E. 3,011,564.
Mills, Thomas C. 2,994,427.
Mills, Thomas C. 3,007,730.
Morgan, Paul A. 3,014,230.
Saenz, Henry H. 2,973,540.
Sheldon, William M. 2,968,401.
Washabaugh, Edward P. 2,967,401.
Weber, Ira. 2,990,712.
Weidenbenner, William A., and Balling. 2,973,279.
Williams, Robert M. 3,008,907.
Wynn, James F. 2,983,202.
Wynn, James F., and Huntzicker. 3,005,790.

American Marietta Co., Arco Co. Division: *See*—
Bobalek, Edward G., and Brazet. 2,990,387.

American-Marietta Co., Stoner-Mudge Co. Division: *See*—
Barr, Naaman F., and Alster. 2,985,600.
Gray, Daniel M. 3,012,707.
McConaughy, David L. 2,983,641.

American Marine Upholstery Co.: *See*—
Naxon, William I., Le Pore, Eddy, and D'Angelo. 2,969,107.

American Meat Institute Foundation: *See*—
Pircon, Ladislav J. 2,979,411.

American Metal Climax, Inc.: *See*—
Blondheim, William S., and Patton. 2,989,821.
Enterline, Stevenson M., and Pierce. 2,993,609.
Godat, Edward A., Jr., and Quintanilla. 3,008,806.
Handwerk, Erwin C. 2,983,493.
Handwerk, Erwin C. 2,983,494.
Monson, Walter T. 2,969,281.
Monson, Walter T., Alme, and Baron. 3,009,205.
Saarivirta, Matti J., Booth, and Burgmeister. 2,976,192.
Sinn, Francis P., and Conrad. 2,991,171.

American Metal Hardware Co.: *See*—
Savage, Leonard H. 2,990,711.

American Metal Products Co.: *See*—
Degener, Richard K. 3,009,582.
Pittsenbarger, George E. 3,011,253.
Thomas, Paul P. 2,970,869.
Thomas, Paul P. 2,974,975.
Williams, Richard J. 3,009,712.
Williams, Richard J. 3,011,219.

American Metal Products Co. (Davis Engineering Division): *See*—
Thompson, William H. 2,980,172.

American Metallurgical Products Co.: *See*—
Knapp, William E., and Bolkcom. 2,980,529.

American Meter Co., Inc.: *See*—
Bassett, Robert S. 2,991,652.
Weingard, Archie E., and Struble. 3,010,737.

American Monorail Co., The: *See*—
Fell, Charles L. 2,974,342.
McEachern, Loyd R. 2,980,340.
McEachern, Loyd R. 3,003,178.
Moore, Ralph T. 2,982,425.
Preston, David S. 3,001,222.
Preston, David S. 3,009,838.

American Mollerizing Corp.: *See*—
Price, Harold A., and Weiss. 3,013,899.

American Motors Corp.: *See*—
Altorfer, Henry W. 2,995,917.
Altorfer, Henry W. 3,010,304.
Barnes, Samuel R. 3,007,348.
Bohn, Nicholas J. 2,990,111.
Buelow, Harold A., and Luening. 2,988,459.
Castricone, John A. 2,973,193.
Doeg, Ralph W. 2,970,608.
McKey, Thomas J. 2,972,374.
Pflug, Charles E. 3,011,914.

American National Bank and Trust Co. of Chicago: *See*—
Breitenstein, Charles T. 2,971,361.
Nicolaus, Frank G. 3,010,055.
Tobias, Arthur A. 2,994,420.

American Nuclear Shield Corp.: *See*—
Atkin, Owen W. 3,006,777.

American Oil Co., The: *See*—
Binning, Robert C., and Johnston. 2,970,106.
Brown, Morden G. 2,973,580.
Coddou, Eugene S., Jr., Johnston, and Bellman. 2,968,605.
Conklin, Raymond O. 2,973,117.
Di Lorenzo, Norman S. 2,974,567.
Flodstrom, Albert C., and Leonardson. 2,973,679.
Georgian, Carl C. 2,970,101.
Hill, Alfred B., Becnel, and Tassin. 2,967,538.
Johnston, Walker F., Jr. 2,968,604.
Kirkland, Earl V. 2,973,997.
Lutz, Irvin H. 2,968,609.
Martin, Eugene C., and Kelly. 2,981,730.

American Optical Co.: *See*—
Bardiwell, Ralph F., and Cassettari. 2,994,166.
Bazinet, Wilfred P., Jr. 2,992,956.
Carmichael, Walter C. 2,988,956.
Dalton, Ernest T. 2,994,164.
Dillon, Oscar W. 2,982,061.
Di Lorenzo, Norman S. 3,006,246.
Frey, Hugh B., Jr. 2,983,835.
Herrmann, John F., and Gile. 2,986,069.
Hicks, John W., Jr. 2,980,957.
Hicks, John W., Jr. 2,992,517.
Hicks, John W., Jr. 3,004,368.
Hicks, John W., Jr., and Bazinet. 2,992,587.
Hicks, John W., Jr., and Bazinet. 2,995,970.
Hyde, Walter L. 2,992,593.
Hyde, Walter L. 3,000,256.
Hyde, Walter L., and Tubbs. 2,976,764.
Kress, John H. 2,966,767.
MacNeille, Stephen M. 2,979,632.
MacNeille, Stephen M. 2,985,784.
MacNeille, Stephen M. 2,991,693.
Maier, Howard A. 2,967,456.
Morris, Robert S. 2,966,985.
Morris, Robert S. 3,007,566.
Norton, Frederick H. 2,992,516.
Polanyi, Michael L. 3,009,388.
Polanyi, Michael L., Johnston, and Brown. 2,969,708.

American Optical Co.: *See*—Continued
Rowe, Louis F., Smith, and Dillon. 2,973,683.
Silverberg, Carl G. 2,992,518.
Simpson, George R. 2,970,515.
Sparrow, Ernest E. 2,994,266.
Tallman, Charles S. 3,007,371.
Upton, Lee O. 2,992,586.
Upton, Lee O., and Young. 3,010,836.
Woodcock, Richard F. 2,996,634.
Wright, John R. 3,002,285.
Wright, John R., and Schenk. 2,968,213.
Wright, John R., and Schenk. 2,995,065.

American Photocopy Equipment Co.: *See*—
Mentzer, James S., Seeger, Jones, and Fritz. 2,985,052.

American Pipe and Construction Co.: *See*—
Matheny, Francis M. 2,996,085.

American Plastics Corp.: *See*—
Terry, Claude S., Jr. 3,000,049.

American Potash & Chemical Corp.: *See*—
Cecil, Edward C., Stern, and Schafer. 2,998,299.
Garrett, Donald E. 2,969,275.
Hyde, Walter L. 3,001,449.
Hyde, Walter L. 3,001,450.
Lee, Chen Y., and Garrett. 2,989,370.
May, Frank H. 3,013,862.
May, Frank H., and Bradford. 2,989,375.
May, Frank H., and Hammar. 3,013,863.
May, Frank H., and Levasheff. 3,011,871.
Mazza, Harold, Craig, and Foster. 3,007,771.
Peterson, Willard D. 2,974,015.
Schumacher, Joseph C., and Baier. 3,001,855.
West, Charles P., Leiner, and Saltzman. 3,006,893.

American Pulley Co.: *See*—
Tucker, George G., Jr. 2,990,133.

American Radiator & Standard Sanitary Corp.: *See*—
Amneus, John S. 2,978,182.
Anderson, Maynard E. 2,972,436.
Anderson, Maynard E., and Cooper. 2,975,945.
Baring, John A., and De Forge. 3,012,157.
Budde, James C. 2,998,919.
Carter, Franklyn Y. 2,972,237.
Cooper, Lemuel B. 2,980,133.
Freismuth, John S. 2,996,254.
Griffin, James R. 3,002,552.
Huckleberry, Charles R. 2,971,449.
Hyde, Robert W. 2,977,054.
Hyde, Robert W. 2,981,488.
Hyde, Robert W. 2,990,123.
Hyde, Robert W. 3,005,996.
Kaul, Ben. 2,966,987.
Linsenmeyer, John C. 2,987,172.
Millerwise, Carl H. 2,980,774.
Millerwise, Carl H. 3,014,112.
Morgan, Robert W., Hastings, and Mass. 2,992,560.
Newcum, Kenneth M. 2,994,295.
Noakes, Thomas E. 2,978,181.
Noakes, Thomas E. 2,983,114.
Noakes, Thomas E. 3,004,712.
Rall, Dieter L., and Gledt. 2,997,513.
Ryan, Thomas J. 2,986,885.
Ryan, Thomas J., and Neiden. 2,998,782.
Ullman, Myron E., Jr. 2,970,872.

American Resistor Corp.: *See*—
Pope, Martin, and Brady. 2,987,813.

American Safety Table Co., Inc.: *See*—
Hunt, Harry C. 2,995,279.

American-Saint Gobain Corp.: *See*—
Glynn, Theodore W. 2,968,487.
Glynn, Theodore W. 2,971,543.
Glynn, Theodore W. 2,999,043.
Williams, James L. 2,990,058.

American Saw and Tool Co.: *See*—
Cowley, William E. 2,979,742.

American Screen Products Co.: *See*—
Donkin, Ralph F. 3,014,507.
Majeske, Henry L. 3,011,209.
Winnan, Russell M. 2,978,022.

American Seal-Kap Corp. of Delaware: *See*—
Goodwin, Carl W., and Campanelli. 3,001,683.

American Seating Co.: *See*—
Barecki, Chester J. 2,979,282.
Barecki, Chester J., Hoven, Nordmark, and Oom. 2,979,117.
Bradley, George C., Hoven, and Nordmark. 2,979,370.
Bradley, George C., Hoven, and Nordmark. 3,008,789.
Van Allsburg, Robert G. 2,990,024.

American Security Co.: *See*—
Russ, George A., and Nathan. 3,010,753.

American Shuffleboard Co.: *See*—
Cusano, Paul P., and Daddis. 2,986,397.

American Signal Co.: *See*—
Owens, Wilbur D. 2,968,025.

American Smelting and Refining Co.: *See*—
Battis, Walter T., Lennox, and Reichard. 3,001,924.
Glueck, Samuel A. 2,967,769.
Lantz, Willard J. 2,968,571.
Platt, Robert R., and Poulsen. 3,010,821.
Shaw, Frederick A. C. 2,970,218.

American Stair-Glide Corp.: *See*—
Jackson, Floyd H. 2,985,257.

American Steel Foundries: *See*—
Altherr, Russell G. 2,979,164.
Bachman, Fred E. 3,012,523.
Bachman, Fred E., Baker, and Cottrell. 2,972,967.
Cottrell, Robert B. 2,991,728.
Gracie, Arden E., Jr. 2,987,142.
Helton, Robert J. 2,967,721.
Kayler, Frank H. 2,986,288.
Kulieke, Frederick C. 2,990,963.
Lawther, William D., and Rassenfoss. 3,002,948.
Lindstrom, George A. 2,979,906.
Livelsberger, Kenneth V. 2,967,626.
Maloney, Bernard, and Polanin. 3,009,544.
Mann, William, and Maloney. 3,010,541.
Mickelson, Cedric G., and Asherman. 2,970,903.
Nystrom, Karl F. 2,990,962.
Polanin, Walter R. 2,974,757.
Polanin, Walter R. 2,996,153.
Postma, Simon P. 2,970,674.
Quinn, Frank P., and Young. 2,974,610.
Seelig, Albert F., Jr. 3,006,290.
Simanek, Edward J. 2,994,409.
Tack, Carl E. 2,973,103.
Tack, Carl E. 2,985,116.
Tack, Carl E., and Bachman. 2,974,759.
Tack, Carl E., Bachman, and Baker. 2,986,101.
Vincent, Le Roy J. 2,988,016.

American Sterilizer Co.: *See*—
Hendricks, Gerald E. 3,001,525.
Storm, Frederick K., Jr., and Smiley. 3,000,606.

American Sugar Refining Co., The: *See*—
Grosvenor, William M., Jr. 3,011,897.
Marcy, Willard, and Netsch. 3,006,763.

American Tag Co.: *See*—
Marshall, Edward C., and Swett. 2,987,840.

American Tansul Co.: *See*—
Shaler, Richard G., McAdam, and R. G. Shaler, Jr. 3,013,882.

American Telephone and Telegraph Co.: *See*—
Anspach, Russell J., Clark, Neiswinter, and Tamasi. 2,979,556.
Arnold, Philip H., Desnoes, Stearn, Stewart, and Wood. 2,993,095.
Bachelet, Albert E., Bibbins, Celentano, and Pullis. 2,981,803.
Barnes, Richard R. 2,991,353.
Barnes, Richard R. 2,993,958.
Britt, Horace J. 2,997,543.
Burns, Herbert W. 2,991,547.
Huxtable, Ruth L. 2,978,542.
MacAdam, Walter K. 2,997,697.
Neiswinter, James T. 2,993,952.
Polanin, Walter R. 2,991,848.
Riggen, Winnifred. 2,981,799.
Rhodes, Harold A. 2,988,712.
Twomey, William C., Jr. 2,985,720.

American Thermos Products Co., The: *See*—
Darmstadt, Louis J., and Fuller. 2,969,887.

American Thread Co., The: *See*—
Curry, Malcolm. 2,977,006.
Westall, Thomas E., and Bennis. 2,978,203.

American Tool Works Co., The: *See*—
Hery, Vincent D. 2,977,860.

American Truck Body Co.: *See*—
Neher, Herbert J. 2,996,201.

American Type Founders Co., Inc.: *See*—
Säusele, George J. H. 2,981,148.
Sausele, George J. H. 3,011,421.

American Viscose Corp.: *See*—
Adams, Alden R. 3,007,763.
Battista, Orlando A., Belfort, and Fleck. 3,012,914.
Battista, Orlando A., and Smith. 2,978,446.
Bauer, Ernest K. 2,970,424.
Bauer, Ernest K. 2,983,282.
Bauling, Adrianus L., and Milne. 2,973,946.
Bouvet, René. 2,971,322.
Braunlich, Richard H., and Matter. 2,984,889.
Clark, James A. 2,979,157.
Conti, John D. 2,978,008.
Derrickson, Michael O., and Pape. 3,014,256.
Fry, Horace P., Jr. 2,979,767.
Fry, Horace P., Jr. 2,985,220.
Fry, Horace P., Jr. 3,012,925.
Grantham, William G. 2,990,391.
Grosvenor, William M., Jr. 2,969,297.
Haase, Donald E., and Smith. 2,990,741.
Hall, Harry H. 2,977,238.
Heffelfinger, Robert D. 3,001,242.
Heffelfinger, Robert D., and Truitt. 2,990,713.
Hill, Frederick J. 2,998,176.
Hollihan, John P., Jr., Howsmon, and Sisson. 2,971,816.
Hoskins, Clement B. 3,007,919.
Howsmon, John A. 2,975,019.
Howsmon, John A. 3,009,763.
Justice, John L., and Rosser. 2,999,782.
Koppehele, Hugo P. 3,014,234.
Lytton, Marion R. 2,979,376.
Lytton, Marion R. 2,984,541.
Lytton, Marion R. 3,010,781.
Lytton, Marion R., and Wielicki. 2,976,266.
Lytton, Marion R., and Wielicki. 3,007,898.
Lytton, Marion R., Wielicki, and Evans. 3,007,900.

American Viscose Corp.: *See*—Continued
MacHenry, Richard. 2,979,433.
MacHenry, Richard. 2,981,052.
Massengale, John T., and Fairbanks. 3,007,975.
McDermott, Henry J. 2,970,340.
McDermott, Henry J. 2,980,493.
Meissner, William E. 2,984,058.
Meissner, William E. 3,013,311.
Milne, David T. 2,976,131.
Milne, David T. 2,978,299.
Milne, David T. 2,979,114.
Milne, David T. 2,994,924.
Milne, David T. 3,007,832.
Nelson, George H., and Newton. 2,985,394.
Park, Robert W. 2,975,093.
Porter, Donald S. 3,010,865.
Price, John A. 3,010,949.
Price, John A. 3,010,951.
Reavis, Genevieve, and Rosser. 2,998,401.
Schappel, Joseph W. 2,983,625.
Schappel, Joseph W. 2,999,774.
Schlatter, Carl. 2,976,113.
Serenock, Joseph J., and Brenner. 3,012,844.
Sisson, Wayne A. 2,975,021.
Sisson, Wayne A., and Thumm. 2,971,817.
Smith, Frederick R. 2,968,536.
Smith, Frederick R., and Stuhr. 2,984,139.
Smith, Robert A. 3,005,340.
Speers, Stewart W. 2,973,635.
Thumm, Byron A. 2,975,020.
Thumm, Byron A. 2,989,366.
Thumm, Byron A. 2,989,410.
Wade, Worth. 3,012,297.
Wade, Worth, and Meissner. 2,997,955.
Walmsley, Leslie L. 2,968,175.
Watson, Paul C. 2,988,469.
Wielicki, Edward A., and Evans. 3,008,929–35.

American Vitrified Products Co.: *See*—
Ceriat, Eugene. 2,969,836.
Wilson, Charles L. 2,978,350.

American Warming and Ventilating Co.: *See*—
Johnson, Edward H. 2,987,985.

American Window Glass Co.: *See*—
Insolio, Thomas A. 3,003,242.
Mowry, Fred W., and Tench. 2,972,836.

American Zinc Institute: *See*—
Safranek, William H., and Miller. 3,005,759.

American Zinc, Lead and Smelting Co.: *See*—
Depew, Harlan A. 3,000,689.
Walker, Godfrey B. 2,988,212.

Amerine, Brough E. Rollable tarpaulin for open truck and car bodies. 2,967,733, 1–10–61, Cl. 296—98.

Amero, Robert C., to Gulf Research & Development Co. Axial intake and exhaust turbine. 3,007,311, 11–7–61, Cl. 60—39.75.

Amerock Corp.: *See*—
Ahlgren, Axel W. 2,993,718.

Ames, Donald E., and T. F. Grey, to Parke, Davis & Co. Higher alkylpyridine-N-oxides. 2,995,562, 8–8–61, Cl. 260—297.

Ames, Malcolm H., to Technicolor Corp. Pitch compensating cinematographic printer. 2,977,866, 4–4–61, Cl. 95—75.

Ames, Robert G. Mastic applicator and finishing tool with a trowelling bar pressure and curvature regulator. 2,984,857, 5–23–61, Cl. 15—596.

Ames, Robert G. Wallboard cement-receiving pan with a wiper blade. 2,988,243, 6–13–61, Cl. 220—90.

Ames Textile Corp.: *See*—
Stevens, Brooks, Jr. 2,996,904.
Stevens, Brooks, Jr. 3,005,327.

Ames, Vernon G., to United States of America, Army. Shock mount. 2,974,943, 3–14–61, Cl. 267—1.

Ames, W. R., Co.: *See*—
Erickson, Karl H. 3,001,811.
Gifford, Vance M. 3,000,515.
Gray, Cloyd E., Sherman, Fox, Ferrari, and Bibb. 2,977,914.
Sherman, Roger M. 2,988,287.

Ames, Wilfred. Safety coupling pin. 2,997,909, 8–29–61, Cl. 85—3.

Amesbury, Robert R., to United-Carr Fastener Corp. Knob assembly. 3,011,809, 12–5–61, Cl. 287—53.

Amey's Asphalt Co. Ltd.: *See*—
West, Frederick C. 3,013,552.

Amfahr, Warren C., to Collins Radio Co. Voice-operated control system. 2,969,486, 1–24–61, Cl. 317—148.5.

Amiard, Gaston, R. Heymes, and L. Velluz, to UCLAF. Method of preparing γ-glutamyl peptides and intermediates. 2,970,136, 1–31–61, Cl. 260—112.

Amiard, Gaston, R. Heymes, and L. Velluz, to UCLAF. Process of resolving N,N-dibenzyl-DL-α-amino acids and products. 2,991,307, 7–4–61, Cl. 260—501.

Amiard, Gaston, and R. Heymes, to UCLAF. Process of preparing N-trityl peptides. 2,994,692, 8–1–61, Cl. 260—112.

Amiard, Gaston, and R. Heymes, to Les Laboratories Francais de Chimistheraple. Novel 18-nor derivatives of cortisone. 3,005,816, 10–24–61, Cl. 260—239.55.

Amiard, Gaston, and R. Heymes, to UCLAF. Process for the preparation of α-L-glutamylcholine and its salts. 3,009,923, 11–21–61, Cl. 260—389.

Amiard, Gaston, R. Heymes, and L. Velluz, to UCLAF. N-trityl peptides and a process of producing same. 3,014,022, 12–19–61, Cl. 260—112.

Amica-Produkter, Kommanditbolaget Erik Linderoth & Co.: *See*—
Linderoth, Erik T. 2,968,055.

Amick, Chester A., to American Cyanamid Co. Method of dyeing nitrogenous fibers with premetalized azo dyes and compositions therefor. 3,003,843, 10–10–61, Cl. 8—43.

Amick, Evert J.: *See*—
Penner, Benjamin L. 2,989,340.
Penner, Benjamin L. 3,012,814.

Amidon, Charles H., Jr., and M. G. Hopkins, to Rodney Hunt Machine Co. Dye kettle. 3,013,422, 12–19–61, Cl. 68—18.

Amir, Emanuel M., to Esso Research and Engineering Co. Oxidation of dialkylbenzenes. 3,004,066, 10–10–61, Cl. 260—524.

Amir, Emanuel M., to Esso Research and Engineering Co. Process for the oxidation of trialkyl ethylene hydrocarbons. 3,007,944, 11–7–61, Cl. 260—348.5.

Amirault, Maxime, and P. Destoumieux. Sealing devices between a rotating part and a fixed part. 3,001,807, 9–26–61, Cl. 286—11.

Amirault, Maxime, and P. Destoumieux. Shaft packing. 3,007,724, 11–7–61, Cl. 286—11.14.

Ammann, Charlie A. Dowel and mortising jig. 2,987,944, 6–13–61, Cl. 77—62.

Ammco Tools, Inc.: *See*—
Kushmuk, Walter P. 3,005,294.

Ammen, Francis D.: *See*—
Green, Robert E. L., and Ammen. 3,006,445.

Ammerman, George E., to The Edwin L. Wiegand Co. Electric heaters. 2,992,312, 7–11–61, Cl. 219—19.

Ammerman, George E., to Edwin L. Wiegand Co. Electric heater assembly for ovens. 3,005,082, 10–17–61, Cl. 219—35.

Ammerman, George E., and D. E. Walling, to Edwin L. Wiegand Co. Magnetically supported heater assembly. 2,973,423, 2–28–61, Cl. 219—37.

Ammerman, John M., to Spickelmier Industries, Inc. Lock. 2,978,757, 4–11–61, Cl. 20—52.

Ammons, Walter D. Method of molding a foam plastic article having a skin on its outer surfaces. 3,007,203, 11–7–61, Cl. 18—48.

Amneus, John S., to American Radiator & Standard Sanitary Corp. Three temperature mixing valve. 2,978,182, 4–4–61, Cl. 236—12.

Amo, Claude J. Combination lock. 2,966,788, 1–3–61, Cl. 70—156.

Amodio, Nicholas, and G. A. F. Winckler, to Olin Mathieson Chemical Corp. Connector device. 2,983,899, 5–9–61, Cl. 339—258.

Amori, Joseph A. Supporting frame for a fruit orienting roller belt. 3,011,620, 12–5–61, Cl. 198—33.

Amos, Homer C.: *See*—
Strickland, Edward T., and Amos. 2,987,100.
Strickland, Edward T., and Amos. 2,995,874.
Strickland, Edward T., Amos, and Glass. 2,975,987.

Amos, James L.: *See*—
Hunt, Wilson W., Ludington, and Amos. 2,970,089.
Hunt, Wilson W., Ludington, and Amos. 3,004,900.
Soderquist, Frederick J., and Amos. 2,979,536.
Ruffing, Norman R., and Amos. 2,987,508.
Ruffing, Norman R., and Amos. 3,008,937.

Amos, James L., S. G. Ludington, and W. W. Hunt, to The Dow Chemical Co. Devolatilizing apparatus. 3,004,899, 10–17–61, Cl. 202—191.

Amos, Stephen M., to General Motors Corp. Two pointer instruments. 2,991,752, 7–11–61, Cl. 116—136.5.

Ampco Metal Inc.: *See*—
Klement, John F. 2,979,397.
Klement, John F. 3,007,821.

Ampex Corp.: *See*—
Brede, Dwight W. 3,000,582.
Brede, Dwight W. 3,005,582.
Brenner, Bernard M., and Barnhart. 3,012,106.
Brumbaugh, Robert M., and Cheney. 3,002,671.
Bygdnes, Perry A. 2,996,264.
Conly, Ralph A. 2,981,805.
Dinsmore, Joseph A. 2,985,493.
Dolby, Ray M. 2,996,576.
Dolby, Ray M. 3,005,869.
Ehret, Robert J. 2,980,768.
Ehret, Robert J. 3,007,103.
Ellmore, William A. 3,006,650.
Ginsburg, Charles P., and Dolby. 2,968,692.
Ginsburg, Charles P., Henderson, Dolby, and Anderson. 3,003,025.
Hayes, Albert E., Jr. 2,972,065.
Lasarev, Nick, and Selsted. 2,988,257.
Mauch, Paul A. 2,996,349.
Maxey, Alexander R. 2,998,495.
Maxey, Alexander R. 3,006,218.
Neff, Joseph J. 2,983,339.
Neff, Joseph J. 2,988,294.
Rehklau, George D. 3,004,658.
Selsted, Walter T. 2,969,200.
Selsted, Walter T. 2,987,233.
Selsted, Walter T. 2,989,265.

Amphenol-Borg Electronics Corp.: *See*—
Concelman, Carl W. 3,010,080.
Johnston, Samuel A., and Berg. 3,007,023.
Juris, Mitchell A. 3,015,083.
Mannella, Orlando A. 3,002,047.
Purinton, Richard M. 3,003,135.
Van Alen, De Witt T. 2,979,258.
Yopp, Robert S. 3,002,176.

Amplus, Inc.: *See*—
Gagne, Archie R. 2,969,575.
Gagne, Archie R. 3,001,260.

Amsco Packaging Machinery, Inc.: *See*—
Messmer, Edwin E. 2,971,311.
Sylvester, John D. 2,973,797.
Sylvester, John D., and Keenan. 2,987,107.
Sylvester, John D., Messmer, and Keenan. 2,987,106.

Amsler, Alfred J., & Co.: *See*—
Schwaninger, Otto. 3,009,354.

Amsler, Max. Recording apparatus provided with automatic cancellation. 2,975,016, 3–14–61, Cl. 346—18.

Amundsen, Oliver O., and R. H. Kocian, to Skil Corp. Adapter for non-rotary tool elements used with a rotary-hammer device. 2,990,187, 6–27–61, Cl. 279—19.5.

Amundsen, Paul to Fendall Co. Goggles. 2,979,728, 4–18–61, Cl. 2—14.

Amundsen, Paul, and J. N. Llautaud, to Fendall Co. Eye protective spectacle type goggles. 3,001,200, 9–26–61, Cl. 2—14.

Anaconda American Brass Co., The: *See*—
Lacey, Michael F. 2,991,954.
Rowell, Douglas C. 2,993,248.
Russell, Peter. 3,013,652.

Anaconda Co., The: *See*—
Jones, Rene A., and Van Derlinden. 3,010,818.
Laist, Frederick. 3,001,766.
MacQueen, Charles W., Farmin, and Stewart. 2,982,428.
McAlister, Edgar O., Broxholme, and Myers. 2,988,691.
Sullivan, Robert E. 3,006,754.

Anaconda Wire and Cable Co.: *See*—
Arndt, Rudolph P. 2,985,624.
Bunish, Stephen. 2,981,788.
Gorman, Leo L., and Faulkner. 3,013,109.
Lansch, John L. 2,976,343.

Anagnostopoulos, Constantine E.: *See*—
Wineman, Robert J., and Anagnostopoulos. 2,975,192.

Analytical Engineers, Inc.: *See*—
Rise, Noble W. 2,994,235.

Anander, Andrew K.: *See*—
Powers, Augustin J., Jr., and Anander. 2,981,625.

Anastasia, Harry G., and W. F. Watson, to The Bendix Corp. Multiple turn cam corrector. 2,968,964, 1–24–61, Cl. 74—395.

Anastasia, Harry G., and J. E. Bevins, to United States of America, Army. Air gun. 2,998,810, 9–5–61, Cl. 124—11.

Anastasia, Harry G., and E. J. Hazen, to United States of America, Army. Safety and arming mechanism. 3,000,-315, 9–19–61, Cl. 102—70.2.

Anastasia, Louis, and J. J. Devery, to Philco Corp. Control mechanism. 2,984,755, 5–16–61, Cl. 307—141.4.

Anastasio, Frank J., B. C. Kalustyan, and Raunecker, to Sandak, Inc. Film mount. 2,968,884, 1–24–61, Cl. 40—152.

Anastasoff, Vladimir, to Shell Oil Co. Manufacture of lubricating oils and waxes. 3,012,960, 12–12–61, Cl. 208—31.

Ancet, Victor M. J., and Marius Fayolle (known as Marcel Fayolle). Weft control mechanism. 2,977,996, 4–4–61, Cl. 139—370.

Anchor Boat & Steel Co.: *See*—
Leavitt, Lyman O., and Pitt. 2,979,019.

Anchor Hocking Glass Corp.: *See*—
Acton, Daniel D. 2,999,531.
Acton, Daniel D. 3,006,493.
Fouse, William H. and F. Z. 3,000,140.
Risch, William E. 3,005,433.
Runco, Joseph C. 2,991,608.
Stover, Harry E. 2,976,200.
Stover, Harry E. 2,979,218.
Stover, Harry E. 3,004,297.
Stover, Harry E. 3,005,563.
Stover, Harry E. 3,012,388.

Anchor Plastics Co. Inc.: *See*—
Dick, Franklin. 2,995,507.

Anchor Post Products, Inc.: *See*—
Heyman, Benjamin. 2,976,019.
Stefan, Nicholas. 2,976,021.

Ancienne Manufacture d'Horlogerie Patek, Philippe & Co., S.A.: *See*—
Krassoievitch, Andre, and Brunner. 2,976,470.

Anciens Etablissements Barbier-Benard & Turenne: *See*—
Benard, Christian L. G. 2,990,469.

Anda, William H.: *See*—
Stechbart, Bruno E., and Anda. 2,975,729.

Andelin, John, to Falcon Plastics Co. Fluid tight container. 2,999,387, 9–12–61, Cl. 73—427.

Ander, Eric B., to Minneapolis-Honeywell Regulator Co. Butterfly valve. 3,011,754, 12–5–61, Cl. 251—81.

Anderberg, A. W., Mfg. Co.: *See*—
Anderberg, Axel W., Reid, and Taylor. 2,971,791.

Anderberg, Axel W., T. W. S. Reid, and G. A. Taylor, to A. W. Anderberg Mfg. Co. Window control device. 2,971,-791, 2–14–61, Cl. 292—262.

Anders, Ulrich, W. P., to Daimler-Benz Aktiengesellschaft. Fuel-tank connecting assembly. 2,983,311, 5–9–61, Cl. 158—46.

Anders, Ulrich W. P., to Daimler-Benz Aktiengesellschaft. Oil control arrangement for injection type internal combustion engines. 2,990,915, 7–4–61, Cl. 184—6.

Andersen, Ariel A. Bacterial aerosol analyzer. 3,001,914, 9–26–61, Cl. 195—103.5.

Andersen, Arnold K., and C. A. Rife. Thermometer assembly for nursing bottles. 2,981,108, 4–25–61, Cl. 73—343.

Andersen, Arthur, & Co.: *See*—
Beasley, Joseph D., and Campbell. 3,010,597.
Swanson, Leonard W. 2,996,246.

Andersen, Arthur H.: *See*—
Johnson, Herbert S., and Andersen. 3,009,781.

Andersen, Axel B., to F. L. Smidth & Co. Cooling apparatus. 2,971,751, 2–14–61, Cl. 263—32.

Andersen, Birte Y.: *See*—
Wolters, Carl F., and Andersen. 2,984,531.

Andersen, Carl P., J. C. Richardson, and V. E. First, to Union Carbide Corp. Heat exchange device. 2,980,404, 4–18–61, Cl. 257—248.

Andersen, Clifford W.: *See*—
Thurston, Edward G., and Andersen. 2,998,741.

Andersen, Clifford W., to The Rudolph Wurlitzer Co. Electronic piano. 2,974,555, 3–14–61, Cl. 84—1.14.

Andersen, Clifford W., to The Rudolph Wurlitzer Co. Musical instrument system. 3,001,431, 9–26–61, Cl. 84—1.01.

Andersen, Donald L., to General Mills, Inc. Purification of salts of detergent amino acids. 2,993,071, 7–18–61, Cl. 260—534.

Andersen, Donald L., and P. E. Throckmorton, to General Mills, Inc. N-alkylheterocyclic nitrogen-containing derivatives as corrosion-inhibitors. 2,993,007, 7–18–61, Cl. 252—392.

Andersen, Eilif. Arrangement in control valves for controlling the hydraulic lift cylinder of tractors. 2,993,509, 7–25–61, Cl. 137—621.

Andersen, Harry M., to Monsanto Chemical Co. Thiophenol-modified Ziegler catalyst, preparation thereof and polymerization of ethylene thereby. 3,009,908, 11–21–61, Cl. 260—94.9.

Andersen, Harry M., and W. R. Richard, Jr., to Monsanto Chemical Co. Method for preparing a Ziegler polymerization catalyst. 2,996,459, 8–15–61, Cl. 252—429.

Andersen, Holger C.: *See*—
Cohn, Johann G. E., Steele, and Andersen. 2,975,025.

Andersen, Holger C., and W. J. Green, to Engelhard Industries, Inc. Method of purifying gases containing oxygen and oxides of nitrogen. 2,970,034, 1–31–61, Cl. 23—2.

Andersen, Holger C., and C. D. Keith, to Engelhard Industries, Inc. Method of purifying gases containing oxygen and oxides of nitrogen. 3,008,796, 11–14–61, Cl. 23—2.

Andersen, John H., Jr. Magnetic recorder with echo effect. 2,978,546, 4–4–61, Cl. 179—100.2.

Andresen, John H., Jr., to Kollsman Instrument Corp. Cabin pressurization-pressure monitor system. 2,983,211, 5–9–61, Cl. 98—1.5.

Andersen, John W.: *See*—
Kosmin, Milton, and Andersen. 2,993,005.

Andersen, Niels Y.: *See*—
Wolters, Carl F., and Andersen. 2,984,531.

Andersen, Ralph A., to American Air Filter Co., Inc. High efficiency portable heater. 2,982,346, 5–2–61, Cl. 158—4.

Anderson, Anders S., to Roll-O-Matic Tiller Ltd. Releasable shank holders for cultivators and the like. 3,012,617, 12–12–61, Cl. 172—264.

Anderson, Andrew E., and E. W. Urbaniak, to Crane Co. Valve closure and seat element. 2,985,424, 5–23–61, Cl. 251—332.

Anderson, Arthur E., and W. Altar, to Westinghouse Electric Corp. Image amplifier. 3,002,101, 9–26–61, Cl. 250—213.

Anderson, Arthur G.: *See*—
Horton, John W., and Anderson. 3,014,663.

Anderson, Arthur W.: *See*—
Monroe, Roger F., and Anderson. 2,986,569.
Monroe, Roger F., and Anderson. 2,986,570.

Anderson, Arthur W., G. K. Greminger, Jr., G. H. Beaver, and S. M. Rodgers, Jr., to The Dow Chemical Co. Cellulosic materials plasticized with hydroxypropylglycerol. 3,000,763, 9–19–61, Cl. 117—144.

Anderson, Arthur W., J. M. Bruce, Jr., N. G. Merckling, and W. L. Truett, to E. I. du Pont de Nemours and Co. Production of olefin polymers. 3,012,023, 12–5–61, Cl. 260—94.9.

Anderson, Arvid J. and E. W. Collapsible step stool. 2,975,-856, 3–21–61, Cl. 182—161.

Anderson, Bazeel B.: *See*—
Hodgkins, Joe E., and Anderson. 2,997,881.

Anderson, Bernard W., to Engineering Research and Application Ltd. Drilling and/or tapping apparatus. 3,003,371, 10–10–61, Cl. 77—32.3.

Anderson, Bernice H. Pattern tracing apparatus. 3,007,395, 11–7–61, Cl. 101—26.

Anderson, Bill, Spring Service, Inc.: *See*—
Sandefur, George. 2,973,210.

Anderson, Bonnie B.: *See*—
Anderson, Harry C. 3,007,277.

Anderson Brass Co.: *See*—
Anderson, Ervin R., and Kass. 2,980,390.
Anderson, Ervin R., and Kass. 2,997,063.

Anderson Bros. Mfg. Co.: *See*—
La Forge, Ray F., Jr. 3,000,156.

Anderson, Bryce P., to DeSoto Chemical Coatings, Inc. Treating a cellulose-containing base to impart thereto acid resistance, composition therefor and the resultant product. 2,983,629, 5–9–61, Cl. 117—148.

Anderson, Bryce P., to DeSoto Chemical Coatings, Inc. Treating a cellulose-containing base to impart thereto alkali resistance, composition therefor and the resultant product. 2,983,630, 5–9–61, Cl. 117—148.

Anderson, Burton E. Automatic door stop and catch. 2,976,071, 3–21–61, Cl. 292—216.

Anderson, Carl A.: *See*—
Finley, George A., and Anderson. 2,993,551.

Anderson, Carl E.: *See*—
Guyer, Reynolds, and Anderson. 2,988,262.

Anderson, Carl F., and G. S. Corbeil, to Telautograph Corp. Selective station communication system. 3,008,122, 11–7–61, Cl. 340—147.

Anderson, Carl L. Livestock boot. 2,988,828, 6–20–61, Cl. 36—2.5.

Anderson, Carl L., to Raytheon Co. Communications links. 2,994,870, 8–1–61, Cl. 343—100.

Anderson, Carl P.: *See*—
Kleinschmidt, Edward F., and Anderson. 2,982,817.
Kleinschmidt, Edward F., C. P. and H. A. Anderson, Clark, and Sherrick. 2,982,810.

Anderson, Charles E., to International Telephone and Telegraph Corp. Radio frequency impedance matching section. 2,987,644, 6–6–61, Cl. 315—3.5.

Anderson, Charles E., to International Telephone and Telegraph Corp. Traveling wave electron discharge device. 3,007,076, 10–31–61, Cl. 315—3.5.

Anderson, Charles M., and M. J. Sayers, to The Galigher Co. Impeller-stator combination for aeration machines. 2,973,095, 2–28–61, Cl. 209—169.

Anderson, Clayton & Co.: *See*—
Jennings, Edwin J., Jr., Reddick, and Berkley. 3,005,152.
Payne, Emory T., and Seybert. 2,999,022.
Seestrom, Hjalmer E., Guerrant, and Campbell. 2,999,021.
Sinclair, Alfred C. 2,970,577.
Sinclair, Stuart W., and Hornberger. 3,010,386.

Anderson, Clifford E., and R. A. Gulick, to ACF Industries, Inc. Pressure activated sealing members. 2,985,421, 5–23–61, Cl. 251—172.

Anderson, Clifford E., and R. A. Gulick, to ACF Industries, Inc. Pressure sealing valve. 2,985,422, 5–23–61, Cl. 251—172.

Anderson, Clifford E., and L. F. Eckert, Jr., to ACF Industries, Inc. Seat for gate valve. 3,006,601, 10–31–61, Cl. 251—196.

Anderson, Clifford E., and R. A. Gulick, to ACF Industries Inc. Fabricated valve body. 3,013,770, 12–19–61, Cl. 251—329.

Anderson Co., The: *See*—
Anderson, John W. 2,979,352.
De Pew, William G. 2,983,945.
Diebold, Alfred J. 2,979,965.
Krohm, Fred A. Re. 24,974.
Krohm, Fred A. 2,979,425.
Krohm, Fred A. 2,979,426.
Krohm, Fred A. 2,979,752.
Krohm, Fred A. 3,003,175.
Krohm, Fred A. 3,006,014.
Krohm, Fred A. 3,006,788.
Krohm, Fred A. 3,010,137.
Krohm, Fred A. 3,014,232.
Krohm, Fred A. 3,014,463.
Krohm, Fred A., and Okleja. 3,006,017.
Martens, Jack E. 2,969,689.
Martens, Jack E. 2,974,539.
Martens, Jack E. 2,979,966.
Martens, Jack E. 2,981,571.
Martens, Jack E. 3,003,362.
Martens, Jack E. 3,014,380.
Martens, Jack E. 3,014,715.
Smulski, Theodore J. 2,978,861.
Smulski, Theodore J. 2,979,629.
Wise, Ralph H. 2,981,518.
Wise, Ralph H. 2,981,568.
Wise, Ralph H. 2,996,081.
Wise, Ralph H. 2,999,399.
Wise, Ralph H. 3,003,829.
Wise, Ralph H. 3,006,375.
Wise, Ralph H. 3,006,631.
Wise, Ralph H. 3,006,681.
Wise, Ralph H. 3,014,379.
Zury, Steve. 3,006,015.

Anderson, Curtis A., to United States of America, Army. Blast deflectors. 3,014,410, 12–26–61, Cl. 89—1.7.

Anderson, David H.: *See*—
Bulova, Arde, Anderson, and Schleifer. 2,982,020.

Anderson, David K.: *See*—
Baker, Reuben C. 2,970,650.

Anderson, David M.: *See*—
Silverman, Leslie, and Anderson. 2,992,700.

Anderson, Donald R.: *See*—
Phillips, James H., Anderson, and Manlik. 3,002,855.

Anderson, Donald W.: *See*—
Salem, Samuel, and Anderson. 2,976,202.

Anderson, Douglas N.: *See*—
Shrewsbury, Raymond W., Anderson, and Sohl. 3,001,886.

Anderson, Duane B., to Pan American Petroleum Corp. High temperature emulsion drilling fluid. 2,997,440, 8–22–61, Cl. 252—8.5.

Anderson, Earl R. Apparatus for peeling fruit and vegetable articles. 3,001,562, 9–26–61, Cl. 146—43.

Anderson, Earl R., to Filper Corp. Method of pitting peaches. 3,010,501, 11–28–61, Cl. 146—238.

Anderson, Edward A., and C. W. Walton, to The Lamson & Sessions Co. Elevator mechanism. 2,987,202, 6–6–61, Cl. 214—715.

Anderson, Edward A., and J. R. Lees. Irrigation gate valve. 2,991,625, 7–11–61, Cl. 61—18.

Anderson, Edward A., and C. W. Walton, to The Lamson & Sessions Co. Method and apparatus for forming welding projections on a nut blank. 3,001,214, 9–26–61, Cl. 10—72.

Anderson, Edward A., and C. W. Walton, to The Lamson & Sessions Co. Article checking and machining fixture. 3,001,292, 9–26–61, Cl. 33—174.

Anderson, Edward E., C. P. Nelson, and W. F. Hampton, to Ocean Spray Cranberries, Inc. Food process. 3,003,881, 10–10–61, Cl. 99—105.

Anderson, Edward L., to Goodman Mfg. Co. Mechanical miner having offset rotary heads. 2,979,319, 4–11–61, Cl. 262—19.

Anderson, Edward P., to Engelhard Industries, Inc. Aiming stake. 2,972,053, 2–14–61, Cl. 250—85.

Anderson, Edward P., to Engelhard Industries, Inc. Composite material and method for the production thereof. 2,984,590, 5–16–61, Cl. 117—232.

Anderson, Edward P., to Engelhard Industries, Inc. Anode. 2,988,496, 6–13–61, Cl. 204—196.

Anderson, Edward P., to Engelhard Industries, Inc. Method for preparing anodes for cathodic protection systems. 2,998,359, 8–29–61, Cl. 204—38.

Anderson, Edward P., to Engelhard Industries, Inc. Trailing anode for cathodic protection systems. 3,010,891, 11–28–61, Cl. 204—196.

Anderson, Edward P., to Engelhard Industries, Inc. Anode assembly. 3,011,959, 12–5–61, Cl. 204—147.

Anderson, Edward P., and D. H. Fish, to Engelhard Industries, Inc. Sight gauge. 2,984,108, 5–16–61, Cl. 73—323.

Anderson, Edwin E.: *See*—
Anderson, Frank P., E. E., and R. L. 3,014,377.

Anderson, Edwin V., J. A. Mack, and A. N. Friberg, to Amco Engineering Co. Enclosure. 2,991,140, 7–4–61, Cl. 312—257.

Anderson, Edwin V., J. A. Mack, and A. N. Friberg, to Amco Engineering Co. Instrument cabinet. 3,012,835, 12–12–61, Cl. 312—257.

Anderson Electric Corp.: *See*—
McDurmont, Walter R. 3,006,983.

Anderson, Elvin L., and H. E. Reiff, to Smith Kline & French Laboratories. 3-amino-4-phenylpyrazoles and method of preparation. 2,989,539, 6–20–61, Cl. 260—310.

Anderson, Elwood R., to Ethyl Corp. Recovery process. 2,971,967, 2–14–61, Cl. 260—437.

Anderson, Emil, to Electrolux Corp. Multiple nozzle cleaning tool. 2,966,693, 1–3–61, Cl. 15—373.

Anderson, Enfred W.: *See*—
Anderson, Arvid J. and E. W. 2,975,856.

Anderson, Ervin R., and G. H. Kass, to Anderson Brass Co. Rotary valve. 2,980,390, 4–18–61, Cl. 251—181.

Anderson, Ervin R., and G. H. Kass, to Anderson Brass Co. Valve. 2,997,063, 8–22–61, Cl. 137—607.

Anderson, Eugene A.: *See*—
Reid, Remer R., Sr., and Anderson. 2,969,100.

Anderson, Everett V., to United States Rubber Co. Method of producing latex dipped articles. 3,005,237, 10–24–61, Cl. 18—58.6.

Anderson, Floyd E., and J. Bobinski, to Warner-Lambert Pharmaceutical Co. Piperidinol compounds. 2,975,185, 3–14–61, Cl. 260—294.7.

Anderson, Frank A., and L. C. Stromberg. Mop with detachable head. 2,988,766, 6–20–61, Cl. 15—229.

Anderson, Frank P., E. E., and R. L. Oven center booster for a push rod. 3,014,377, 12–26–61, Cl. 74—97.

Anderson, Fred N., and W. L. Cherry, Jr., to Cherry Electrical Products Corp. Electric switches. 2,993,102, 7–18–61, Cl. 200—67.

Anderson, Fred S.: *See*—
Morgan, Elmer A., and Anderson. 3,000,449.

Anderson, Gary R.: *See*—
Cooperstein, Raymond, and Anderson. 2,974,012.

Anderson, George B., and F. E. Compton, to Consolidated Machine Tool, division of Farrel-Birmingham Co., Inc. Axle recentering machine. 2,999,403, 9–12–61, Cl. 77—18.

Anderson, George M., to McGraw-Edison Co. Dial pulse restorer. 2,993,960, 7–25–61, Cl. 179—16.

Anderson, George R., to Hagan Chemicals & Controls, Inc. Systems for automatically controlling flow of fluid through a centrifugal pump in response to temperature differentials at the intake and discharge thereof. 2,985,107, 5–23–61, Cl. 103—97.

Anderson, Gerald R.: *See*—
Creed, Sherman H., and Anderson. 2,984,274.

Anderson, Gilbert L.: *See*—
Weston, Herbert, and Anderson. 2,999,501.

Anderson, Gordon C.: *See*—
West, Paul B., and Anderson. 2,983,967.

Anderson, Gunnar E., to The Bryant Electric Co. Electrical connector. 2,997,685, 8–22–61, Cl. 339—149.

Anderson, Harold N.: *See*—
Woserau, Otto, and Anderson. 3,011,296.

Anderson, Harry C., deceased, by B. B. Anderson, legal representative, to D. L. Morgan. Electric rat trap. 3,007,277, 11–7–61, Cl. 43—99.

Anderson, H. E., Co.: *See*—
Anderson, Herbert E. 2,982,452.
Anderson, Herbert E., to H. E. Anderson Co. Apparatus for making bows. 2,982,452, 5–2–61, Cl. 223—46.
Anderson, Herbert E. Chemical feed pump. 3,010,404, 11–28–61, Cl. 103—152.
Anderson, Herbert L.: *See*—
Fermi, Enrico, and Anderson. 2,969,307.
Anderson, Herbert L., and H. S. Brown, to United States of America, Atomic Energy Commission. Nuclear fission chain reacting system. 2,990,354, 6–27–61, Cl. 204—193.2.
Anderson, Herbert R., to Tri-Wall Containers, Inc. Triple-wall corrugated board. 2,985,553, 5–23–61, Cl. 154—45.9.
Anderson, Herbert R., Jr., to Phillips Petroleum Co. Polymerization process. 2,979,446, 4–11–61, Cl. 204—154.
Anderson, Hilding A: *See*—
Kleinschmidt, Edward F., C. P. and H. A. Anderson, Clark, and Sherrick. 2,982,810.
Anderson, Hilding E. O. Electric shaver lubricator. 2,987,036, 6–6–61, Cl. 118—268.
Anderson, Hiram D., Jr. Animated artificial bait. 2,979,849, 4–18–61, Cl. 43—42.02.
Anderson, Hjalmer H.: *See*—
Whitlock, Robert A., and Anderson. 3,005,465.
Anderson, Howard W.: *See*—
Ricards, Harold A., Wilchinsky, and Anderson. 2,988,-502.
Anderson, Hugo F., to Hastings Mfg. Co. Piston ring assemblies and elements thereof. 2,970,022, 1–31–61, Cl. 309—44.
Anderson, Ivan, to W. W. Paulson & Co. Portable welder generator. 2,976,424, 3–21–61, Cl. 290—1.
Anderson, J Edward C., and F. C. Haberland, to Borg-Warner Corp. Internal-external gears. 2,990,724, 7–4–61, Cl. 84—462.
Anderson, J. Roland, and L. Clothesline attachment. 2,980,-383, 4–18–61, Cl. 248—317.
Anderson, Jack S., and S. G. Knoch, to Electrosystems Inc. Automation with digital position-command comparison. 2,969,490, 1–24–61, Cl. 318—162.
Anderson, James, and J. P. Biddiscombe, to Canadian Westinghouse Co., Ltd. Crystal oscillator keying circuit. 2,985,845, 5–23–61, Cl. 331—75.
Anderson, James A., to Breneman-Hartshorn, Inc. Awning. 3,001,577, 9–26–61, Cl. 160—29.
Anderson, James A., to Breneman-Hartshorn, Inc. Window shade roller and bracket. 3,013,760, 12–19–61, Cl. 248—267.
Anderson, James A., Jr., to Esso Research and Engineering Co. Catalytic conversion of heavy naphtha fractions. 2,974,099, 3–7–61, Cl. 208—68.
Anderson, James B., to H. J. Heinz Co. Method of cooking food. 2,967,773, 1–10–61, Cl. 99—107.
Anderson, James C. Ball toy. 2,967,711, 1–10–61, Cl. 273—98.
Anderson, James D.: *See*—
Rogoff, Julian, and Anderson. 2,985,861.
Anderson, James D., to Burndy Corp. Feed device. 2,968,-390, 1–17–61, Cl. 198—221.
Anderson, James O., R. M. Stringer, and V. D. Lott, Sr. Trench hoe dipper. 2,972,425, 2–21–61, Cl. 214—138.
Anderson, James T.: *See*—
Wells, Robert S., and Anderson. 2,973,322.
Anderson, John: *See*—
Bolton, John A., and Calderon. 2,995,252.
Brown, Harold P., and Anderson. 2,994,632.
Anderson, John E., to United Aircrat Corp. Pawl and ratchet nut and bolt lock with adjustable spacing means. 2,997,-090, 8–22–61, Cl. 151—13.
Anderson, John E., to Minneapolis-Honeywell Regulator Co. Control apparatus. 3,011,350, 12–5–61, Cl. 73—504.
Anderson, John H., to Hills-McCanna Co. Diaphragm valve. 2,988,322, 6–13–61, Cl. 251—331.
Anderson, John J.: *See*—
Harris, William C., and Anderson. 3,000,035.
Anderson, John L., to E. I. du Pont de Nemours and Co. Cyclobutenes containing two substituted methyl substituents. 3,004,068, 10–10–61, Cl. 260—563.
Anderson, John L., to International Business Machines Corp. Superconductor circuits. 3,014,661, 12–26–61, Cl. 235—175.
Anderson, John L., and R. E. Putnam, to E. I. du Pont de Nemours and Co. Fluorinated polymeric peroxides. 2,971,949, 2–14–61, Cl. 260—92.1.
Anderson, John M., to General Electric Co. Apparatus for electromagnetic wave guidance and control by electrical discharge plasmas. 2,997,675, 8–22–61, Cl. 333—97.
Anderson, John R.: *See*—
Abraham, Frank J., Anderson, and Teel. 2,968,151.
Anderson, John R., to Bell Telephone Laboratories, Inc. Electrical circuits employing ferroelectric condensers. 2,972,734, 2–21–61, Cl. 340—173.2.
Anderson, John R., to Heppenstall Co. Tongs. 3,001,812, 9–26–61, Cl. 294—67.
Anderson, John R., to Bell Telephone Laboratories, Inc. Ferroelectric storage circuits and methods. 3,002,182, 9–26–61, Cl. 340—173.2.
Anderson, John R., to Bell Telephone Laboratories, Inc. Ferroelectric circuits. 3,005,976, 10–24–61, Cl. 340—166.
Anderson, John R., to The National Cash Register Co. Storage devices. 3,011,157, 11–28–61, Cl. 340—173.2.
Anderson, John W. Electric wire connector. 2,973,404, 2–28–61, Cl. 174—87.
Anderson, John W. Windshield wiper blade assembly. 2,978,730, 4–11–61, Cl. 15—250.42.
Anderson, John W., to The Anderson Co. Arm connector. 2,979,352, 4–11–61, Cl. 287—53.
Anderson, John W. Device for a windshield wiper blade and arm assembly. 2,979,750, 4–18–61, Cl. 15—250.
Anderson, John W. Dispenser mounting. 2,981,442, 4–25–61, Cl. 222—166.
Anderson, John W. Container with dispensing spout therefor, releasably attached thereto. 2,981,448, 4–25–61, Cl. 222—539.
Anderson, John W. Dispensing spout. 2,981,450, 4–25–61, Cl. 222—564.
Anderson, John W. Vehicle mirror mounting structure. 2,999,663, 9–12–61, Cl. 248—220.5.
Anderson, John W. Windshield wiper blade and method of production. 3,003,174, 10–10–61, Cl. 15—250.42.
Anderson, John W. Windshield wiper blade. 3,006,016, 10–31–61, Cl. 15—250.35.
Anderson, Karl W.: *See*—
Karlsson, Marius, and Jonsson. 2,978,269.
Anderson, Kenneth H., and S. P. Hersh, to Union Carbide Corp. Composition of matter comprising an acrylonitrile polymer and a pyridine borane and spinning solution containing same. 3,011,991, 12–5–61, Cl. 260—32.4.
Anderson, Kenneth H., to Union Carbide Corp. Composition of matter comprising an acrylonitrile polymer and an alkylamine borane and spinning solutions containing same. 3,011,992, 12–5–61, Cl. 260—32.4.
Anderson Laboratories, Inc.: *See*—
Hodgkins, Joe E., and Anderson. 2,997,881.
Wright, Holden P. 2,996,687.
Anderson, Lenore: *See*—
Anderson, J. Roland, and L. 2,980,383.
Anderson, Leroy E., and H. F. St. Marie, to "Snappy," Inc. Heating conduit splice. 3,007,722, 11–7–61, Cl. 285—419.
Anderson, Leslie A. Rock mover. 2,971,587, 2–14–61, Cl. 171—63.
Anderson, Lloyd E., Sr., to Pittsburgh-Des Moines Steel Co. Vapor seal for fuel storage tank of floating roof type. 3,014,613, 12–26–61, Cl. 220—26.
Anderson, Lloyd E., Sr., and B. R. Capron, to Pittsburgh-Des Moines Steel Co. Self-erecting tower structure. 3,009,546, 11–21–61, Cl. 189—14.
Anderson, Lloyd L., R. E. Johnson, R. G. Metzger, and A. J. Van Noord, to Jervis Corp. Tray elevation adjustment. 2,978,113, 4–4–61, Cl. 211—146.
Anderson, Lloyd L., J. O. Rop, and D. L. McCurdy, to Jervis Corp. Release mechanism for ordnance apparatus and the like. 2,992,594, 7–18–61, Cl. 89—1.5.
Anderson, Louis C., to Teletype Corp. Lid leveler for chadless tape. 3,013,476, 12–19–61, Cl. 93—1.
Anderson, Marcus A. Mirror assembly for vehicle use. 2,976,768, 3–28–61, Cl. 88—87.
Anderson, Marvin E.: *See*—
Zenner, Raymond E., Williams, and Anderson. 2,991,738.
Anderson, Maynard E., to American Radiator & Standard Sanitary Corp. Dispenser for injecting liquid into a container. 2,972,436, 2–21–61, Cl. 222—396.
Anderson, Maynard E. Dispenser structure. 2,997,047, 8–22–61, Cl. 134—58.
Anderson, Maynard E., and L. B. Cooper, to American Radiator & Standard Sanitary Corp. Liquid agent dispenser for washing machine. 2,975,945, 3–21–61, Cl. 222—396.
Anderson, Maynard W. Push button operated paper towel roll holder. 2,978,197, 4–4–61, Cl. 242—55.2.
Anderson, Norman, to Sir George Godfrey & Partners (Holdings) Ltd. Refrigeration systems. 3,012,413, 12–12–61, Cl. 62—272.
Anderson, Norman L., and C. E. McGinn, to Allied Chemical Corp. Process for coloring polyurethane foams. 2,986,536, 5–30–61, Cl. 260—2.5.
Anderson, Olof V., to Anson, Inc. Jewelry clasp. 2,994,116, 8–1–61, Cl. 24—49.
Anderson, Olof V. Jewelry clasp. 3,001,258, 9–26–61, Cl. 24—252.
Anderson, Orson L., and H. Christensen, to Bell Telephone Laboratories, Inc. Thermo-compression bonding of metal to semiconductors, and the like. 3,006,067, 10–31–61, Cl. 29—470.
Anderson, Orson L., P. Andreatch, Jr., and H. Christensen, to Bell Telephone Laboratories, Inc. Twist-compression bonding of metallic and metallized surfaces. 3,006,068, 10–31–61, Cl. 29—470.1.
Anderson, Oscar A.: *See*—
Baker, William R., Anderson, and Furth. 2,997,641.
Anderson, Patricia T.: *See*—
Stewart, Aubrey P., Jr., Johnson, and Anderson. 3,008,840.
Anderson, Paul E., and R. O. Birchler, to Western Electric Co., Inc. Verification and sorting machines. 3,010,577, 11–28–61, Cl. 209—75.
Anderson, Paul L.: *See*—
Greenman, Norman L., Zagusta, and Anderson. 2,972,003.
Greenman, Norman L., Zagusta, and Anderson. 2,986,804.
Greenman, Norman L., Zagusta, and Anderson. 2,988,-839.
Morris, Walter H., and Anderson. 3,008,774.
Anderson, Paul L., J. A. Zagusta, and N. L. Greenman, to Rogers Corp. Method for applying patterns to base material. 2,971,249, 2–14–61, Cl. 29—155.5.

Anderson, Quentin A.: *See*—
Peterson, Howard B., and Anderson. 2,994,444.
Anderson, Ralph A., to Information Systems, Inc. Automatic range change circuit. 2,981,107, 4–25–61, Cl. 73—341.
Anderson, Ralph F., to National Lock Co. Magnetic door catch. 2,987,338, 6–6–61, Cl. 292—251.5.
Anderson, Ralph G., and H. S. Sharp. Foot protector. 2,994,137, 8–1–61, Cl. 36—72.
Anderson, Raymond J.: *See*—
Wheaton, Robert M., and Anderson. 2,980,498.
Anderson, Raymond L.: *See*—
Anderson, Frank P., E. E., and R. L. 3,014,377.
Anderson, Raymond T., to Minnesota Mining and Mfg. Co. Visual-aid portfolio. 2,975,539, 3–21–61, Cl. 40—125.
Anderson, Raymond W., and C. F. Kamrud, to Reserve Mining Co. Relief inserts for metallic lining. 2,974,889, 3–14–61, Cl. 241—295.
Anderson, Richard D., and J. J. Nastronero, to United States of America, Navy. Optical detector assembly. 2,975,292, 3–14–61, Cl. 250—216.
Anderson, Richard H., to The Robinson Clay Products Co. Plastisol pipe joint. 2,986,411, 5–30–61, Cl. 285—291.
Anderson, Richard M.: *See*—
Harris, Jay C., Tesdahl, and Anderson. 2,988,510.
Anderson, Richard P.: *See*—
Lit, Harry B., and Anderson. 2,994,624.
Anderson, Robert C.: *See*—
Sleddon, Geoffrey J., and Anderson. 3,004,079.
Anderson, Robert E., to Texas Instruments Inc. Production of high temperature alloyed semiconductor. 2,985,550, 5–23–61, Cl. 148—1.5.
Anderson, Robert H. Skylight. 2,982,054, 5–2–61, Cl. 50—53.
Anderson, Robert J., to Thompson Ramo Wooldridge, Inc. High temperature pumping system with variable speed pump and refrigeration by-product. 2,970,437, 2–7–61, Cl. 60—39.66.
Anderson, Robert J., J. T. Hamrick, and F. L. Oppenheimer, to Thompson Ramo Wooldridge Inc. Ground power device. 2,977,820, 4–4–61, Cl. 74—665.
Anderson, Robert M., to General Electric Co. Flash lamp. 2,982,119, 5–2–61, Cl. 67—31.
Anderson, Robert M., to General Electric Co. Moisture indicator for photoflash lamp. 2,993,008, 7–18–61, Cl. 252—408.
Anderson, Robert V., to General Precision, Inc. Selective conversion network. 2,967,930, 1–10–61, Cl. 250—20.
Anderson, Russell D., to Collins Radio Co. Fastener with spring arms and retracting means. 3,009,380, 11–21–61, Cl. 85—5.
Anderson, Stanley E., to Illinois Tool Works. Break-away operator for self-restoring switch. 2,997,556, 8–22–61, Cl. 200—61.41.
Anderson, Stanley W. Bearing structure. 2,976,092, 3–21–61, Cl. 308—217.
Anderson, Sven G., to Telefonaktiebolaget L M Ericsson. Terminal for printed circuit card. 2,993,188, 7–18–61, Cl. 339—17.
Anderson, Sven G., to Telefonaktiebolaget L M Ericsson. Electrical spring contact with soldering ear. 3,007,132, 10–31–61, Cl. 339—217.
Anderson, Thelma B.: *See*—
Baker, Reuben C. 2,970,650.
Anderson, Theodore C., to Hewlett-Packard Co. Voltage to time-interval converter. 2,994,825, 8–1–61, Cl. 328—129.
Anderson, Thomas R. Method of reducing moisture loss from frozen meat. 2,989,401, 6–20–61, Cl. 99—169.
Anderson, Thomas R. Process for reducing moisture loss from meat. 2,989,402, 6–20–61, Cl. 99—169.
Anderson, Thomas R. Method for reducing moisture loss from meat. 3,011,898, 12–5–61, Cl. 99—169.
Anderson & Thompson Ski Co. Inc.: *See*—
Woodward, John B. 2,991,086.
Anderson, Victor C., to The Regents of the University of California. Electrostatic recorder. 3,004,819, 10–17–61, Cl. 346—74.
Anderson, Walter A., to Underwood Corp. Signal printing mechanism. 2,969,176, 1–24–61, Cl. 235—60.18.
Anderson, Walter J., to The Lowrey Organ Co. Electrical musical instrument. 2,971,420, 2–14–61, Cl. 84—1.22.
Anderson, Warner H., to Channel Master Corp. Television antenna having multi-band elements. 2,980,912, 4–18–61, Cl. 343—802.
Anderson, Warren D., to Norma-Hoffman Bearings Corp. Method of universal preload grinding of duplex ball bearings. 2,972,841, 2–28–61, Cl. 51—291.
Anderson, Wendell. First aid kit. 3,003,625, 10–10–61, Cl. 206—63.2.
Anderson, Weston A., and J. M. Mathias, to Varian Associates. Atomic precession magnetometers. 3,004,211, 10–10–61, Cl. 324—.5.
Anderson, Wilbur G., Jr., to American Box Board Co. Clearance pad. 2,978,163, 4–4–61, Cl. 229—14.
Anderson, Wilbur G., Jr., to American Box Board Co. Receptacle having a handle. 2,986,324, 5–30–61, Cl. 229—52.
Anderson, Wilbur G., Jr., and R. J. Blett, to Packaging Corp. of America. Double box carrier. 2,998,909, 9–5–61, Cl. 229—34.
Anderson, William E., to Riegel Paper Corp. Laminated paper. 2,975,094, 3–14–61, Cl. 154—138.
Anderson, William H.: *See*—
Hanson, Roy R., and Braden. 3,001,384.
Anderson, William P., and R. E. Penfield, to General Electric Co. Pressure regulating valve adjustment mechanism. 3,013,799, 12–19–61, Cl. 267—1.
Anderson, William S., to Shell Oil Co. Diene polymerization. 2,970,134, 1–31–61, Cl. 260—94.3.
Anderson, William S., to Shell Oil Co. Process for polymerizing diolefins. 3,012,950, 12–12–61, Cl. 204—154.
Anderson, William W., Jr., to Burroughs Corp. Cable support. 2,970,183, 1–31–61, Cl. 174—78.
Anderson, Woodrow M.: *See*—
Farrow, Ronald L., Bego, and Anderson. 2,984,517.
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Ahlberg, Karl J. W., and Andersson. 2,981,306.
Andersson, Nils E. Building hoists. 3,003,585, 10–10–61, Cl. 187—2.
Andert, Frank S. Spark plug and ignition indicator system therefor. 2,969,500, 1–24–61, Cl. 324—17.
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Ando, Chiyoichi. Apparatus for announcing to a caller a connection with the party called prior to the caller's speaking into the telephone. 2,997,544, 8–22–61, Cl. 179—1.
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Komiyama, Daisuke, Takaki, Ando, and Nii. 3,001,235.
Andras, John C.: *See*—
Browne, Paul W. 2,989,334.
Browne, Paul W. 3,009,667.
André, Edmond, to V. and C. Salome. Hydraulic automatic feed regulating device for machine tools and other applications. 3,010,437, 11–28–61, Cl. 121—45.
André Fantasies, Inc.: *See*—
Gettinger, Lillian. 2,983,925.
André, Henri G., to Yardney International Corp. Electric storage batteries. 2,988,586, 6–13–61, Cl. 136—30.
André, Henri G., to Yardney International Corp. State-of-charge indicator. 2,988,590, 6–13–61, Cl. 136—182.
André, Noble, to Andre-Matic Machinery Co. Multi-can carrier and package. 2,982,400, 5–2–61, Cl. 206—65.
Andre, Noble, W. B. Fahrenbach, and J. J. Tyll, to Andre-Matic Machinery Co. Can packaging apparatus and method. 2,974,454, 3–14–61, Cl. 53—32.
Andreae, Pierre V.: *See*—
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Andreatch, Peter, Jr.: *See*—
Anderson, Orson L., Andreatch, and Christensen. 3,006,068.
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André, Noble. 2,982,400.
Andre, Noble, Fahrenbach, and Tyll. 2,974,454.
Andren, Ingmar K. L., to Aktiebolaget Linde Maskiner. Machine for cleaning grain, seed and the like. 2,968,399, 1–17–61, Cl. 209—30.
Andren, Karl H., to Artos Engineering Co. Wire cutting, stripping and terminal attaching machine. 2,998,633, 9–5–61, Cl. 29—33.
Andren, William. Dispenser package. 2,979,194, 4–11–61, Cl. 206—57.
Andres, Lloyd J., to Apco, Inc. Continuous beverage maker. 3,010,382, 11–28–61, Cl. 99—289.
Andres, Max, to Aktiengesellschaft Brown, Boveri & Cie. Oil Co., Inc. Stabilized distillate fuel oil. 3,003,858, 10–10–61, Cl. 44—62.
Andres, Raymond J., and C. G. Thornton, to Motorola, Inc. Semiconductor device. 2,986,678, 5–30–61, Cl. 317—234.
Andresen, Clifford W., to The Rudolph Wurlitzer Co. Pedal structure for electronic piano. 3,002,412, 10–3–61, Cl. 84—1.13.
Andresen, Hilmar A.: *See*—
Andresen, Raymond H. and H. A. 2,984,505.
Andresen, Raymond H. and H. A. 2,984,506.
Andresen, John H., Jr., to Kollsman Instrument Corp. Differential tachometer. 2,969,502, 1–24–61, Cl. 324—70.
Andresen, John H., Jr., to Kollsman Instrument Corp. Cabin pressurization system using A.-C. power. 2,973,702, 3–7–61, Cl. 98—1.5.
Andresen, John H., Jr., to Kollsman Instrument Corp. Aircraft instrument-remote control-fail safe. 3,009,357, 11–21–61, Cl. 73—384.
Andresen, Raymond H. and H. A., to R. Gits, Jr. and E. C. Gits, and Mercantile National Bank of Chicago, as Co-Trustees. Boot equipped telescoping seal. 2,984,505, 5–16–61, Cl. 286—11.
Andresen, Raymond H., and H. A., to R. J. Gits, Jr. and E. W. Gits, and Mercantile National Bank of Chicago, as Co-Trustees. Boot seal. 2,984,506, 5–16–61, Cl. 286—11.
Andress, Harry J., Jr., and P. Y. C. Gee, to Socony Mobil Oil Co., Inc. Inhibition of carburetor icing. 2,982,629, 5–2–61, Cl. 44—71.
Andress, Harry J., Jr., to Socony Mobil Oil Co., Inc. N-alkanol succinamic acid deicer. 2,982,630, 5–2–61, Cl. 44—71.
Andress, Harry J., Jr., to Socony Mobil Oil Co., Inc. Substituted succinamic acid deicer. 2,982,631, 5–2–61, Cl. 44—71.
Andress, Harry J., Jr., to Socony Mobil Oil Co., Inc. Azelaic acid-diamine reaction product deicer. 2,982,632, 5–2–61, Cl. 44—71.

Andress, Harry J., Jr., to Socony Mobil Oil Co., Inc. N-substituted alkenyl succinamic acid deicer. 2,982,633, 5–2–61, Cl. 44—71.

Andress, Harry J., Jr., to Socony Mobile Oil Co., Inc. Fuel oil composition. 2,984,553, 5–16–61, Cl. 44—78.

Andress, Harry J., Jr., to Socony Mobile Oil Co., Inc. Fuel oil composition. 2,984,554, 5–16–61, Cl. 44—78.

Andress, Harry J., Jr., and R. A. Butcosk, to Socony Mobil Oil Co., Inc. Grease composition containing an imidazoline. 2,991,249, 7–4–61, Cl. 252—40.

Andress, Harry J., Jr., and P. Y. C. Gee, to Socony Mobil Oil Co., Inc. Glycine amic acids in turbine oil. 3,003,960, 10–10–61, Cl. 252—33.6.

Andress, Harry J., Jr., and P. Y. C. Gee, to Socony Mobil Oil Co., Inc. Glycine imides in turbine oil. 3,003,961, 10–10–61, Cl. 252—33.6.

Andress, Harry J., Jr., and P. Y. C. Gee, to Socony Mobil Support for rotor coil ends in dynamoelectric machines. 3,014,146, 12–19–61, Cl. 310—270.

Andrew, Charles, to Andrew & Waitkens Machine Co. Inc. Machine for mounting spouts in the tops of containers. 2,972,184, 2–21–61, Cl. 29—208.

Andrew Corp.: *See*—
Book, Eric G. 2,968,776.
Scheldorf, Marvel W. 2,986,735.

Andrew, David J., R. W. Felch, and G. A. Noddin, to The Ensign-Bickford Co. Connecting cord. 2,982,210, 5–2–61, Cl. 102—27.

Andrew, Eugene A.: *See*—
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Andrew, Eugene A., to Olin Mathieson Chemical Corp. Method of making plastic pellets. 2,974,135, 3–7–61, Cl. 260—223.

Andrew, Eugene A., to Olin Mathieson Chemical Corp. Pelleting apparatus. 2,979,764, 4–18–61, Cl. 18—2.7.

Andrew, Eugene A., to Olin Mathieson Chemical Corp. Lacquer treatment apparatus. 2,979,769, 4–18–61, Cl. 18—12.

Andrew Giffin K. Fisherman's belt. 2,996,227, 8–15–61, Cl. 224—5.

Andrew, Gustav M.: *See*—
Atwood, John L., Cannon, Johnson, and Andrew. 2,985,409.

Andrew, Herbert F., W. E. Stephen, and F. A. Waite, to Imperial Chemical Industries Ltd. New monoazo dyestuffs. 2,979,498, 4–11–61, Cl. 260—153.

Andrew & Waitkens Machine Co. Inc.: *See*—
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Andrews, David B., to American Can Co. Carton. 3,003,679, 10–10–61, Cl. 229—39.

Andrews, Edward F. Jet drive rotary wing system. 2,976,935, 3–28–61, Cl. 170—135.4.

Andrews, Edward F. Convertible aircraft. 2,989,268, 6–20–61, Cl. 244—7.

Andrews, Edward F., to General Motors Corp. Stop-on-signal radio tuning means. 2,996,612, 8–15–61, Cl. 250—20.

Andrews, Edwin R.: *See*—
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Andrews, Frederick T., Jr., to Bell Telephone Laboratories, Inc. Bipolar pulse transmission and regeneration. 2,996,578, 8–15–61, Cl. 178—70.

Andrews, Frederick T., Jr., to Bell Telephone Laboratories, Inc. Magnetic core shift register circuits. 3,013,252, 12–12–61, Cl. 340—174.

Andrews, Frederick T., Jr., and E. E. Sumner, to Bell Telephone Laboratories, Inc. Timing of regenerative pulse repeaters. 2,992,341, 7–11–61, Cl. 307—88.5.

Andrews, Howard W., and E. T. Harkless, to Bell Telephone Laboratories, Inc. Traveling field sampler. 3,007,123, 10–31–61, Cl. 333—98.

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Andrews, James B.: *See*—
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Kvassay, Emanuel, and Andrews. 2,979,191.

Andrews, Jerome G.: *See*—
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Andrews, John M., to Cook Electric Co. Electromagnetic thrust motor. 2,992,304, 7–11–61, Cl. 200—87.

Andrews, John S., to General Mills, Inc. Dry cookie mix. 2,975,059, 3–14–61, Cl. 99—94.

Andrews, Louis J., to Paul K. Guillow, Inc. Kite. 2,969,946, 1–31–61, Cl. 244—154.

Andrews, Norman F., to Deere & Co. Mounting and dismounting means for tractor-associated implements. 2,971,590, 2–14–61, Cl. 172—273.

Andrews, Paul C. Vehicle lighting system and structure therefor. 2,991,116, 7–4–61, Cl. 296—28.

Andrews, Theodore E., to General Electric Co. Percolator pump construction. 2,975,723, 3–21–61, Cl. 103—231.5.

Andrews, Theodore E., and A. E. De Mott, to General Electric Co. Automatic electric toasters. 2,969,010, 1–24–61, Cl. 99—329.

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Andrews, William V., and D. C. Frick, to Chrysler Corp. Engine mount. 3,005,608, 10–24–61, Cl. 248—8.

Andrieux, Jean L., and E. L. Bonnier, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process of simultaneously producing manganese metal and ferrosilicon alloy. 2,977,218, 3–28–61, Cl. 75—80.

Andrisani, Albert. Sheet positioning method and apparatus. 2,983,049, 5–9–61, Cl. 33—184.5.

Andrus, Budd W., and G. A. Hallstrom. Chip cutter blade. 3,011,535, 12–5–61, Cl. 144—219.

Andrus, Everett H., and G. M. Coon, to Textrol, Inc. Single stroke control system and fluid control unit therefor. 3,004,647, 10–17–61, Cl. 192—142.

Andrus, Joseph M., to Croname, Inc. Enameled aluminum and process for manufacture thereof. 2,991,234, 7–4–61, Cl. 204—38.

Andy, Albert: *See*—
Curtis, James E. 3,007,199.

Andy, Anthony: *See*—
Curtis, James E. 3,007,199.

Anelex Corp.: *See*—
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Kurth, Franz J., and Phillips. 2,976,884.

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Anetsberger, Richard J.: *See*—
Anetsberger, Frank A. and R. J. 2,980,101.

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Neely, Lloyd F., and Ang. 2,983,996.

Angel, Arthur M., and R. Frohman, to The National Cash Register Co. Code conversion system. 3,011,165, 11–28–61, Cl. 340—347.

Angel, Charles M., and E. R. Hauer. Mobile axle flaw detector unit carrier. 2,995,032, 8–8–61, Cl. 73—67.8.

Angel, Richard R., to Phillips Petroleum Co. Casing bottom fill device. 3,013,612, 12–19–61, Cl. 166—225.

Angele, Wilhelm, to United States of America, Army. Blade connector. 2,968,016, 1–10–61, Cl. 339—75.

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Angelier, James E. Combination bowling and sliding ball for games. 3,014,726, 12–26–61, Cl. 273—128.

Angell, Olav E. Anchor storage aids and associated methods. 2,994,291, 8–1–61, Cl. 114—200.

Angell, Stephen L. Boat. 3,009,173, 11–21–61, Cl. 9—1.

Angello, Stephen J., to Westinghouse Electric Corp. Method of providing an oxide protective coating for semiconductors. 2,989,424, 6–20–61, Cl. 117—200.

Angeloff, George T., to Olin Mathieson Chemical Corp. Super pressure electrode-insulator. 2,976,195, 3–21–61, Cl. 148—135.

Angelos, Arthur C., to United Aircraft Corp. Pressure selector switch. 3,008,490, 11–14–61, Cl. 137—625.11.

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Anger, Hal O. Radiation image device. 3,011,057, 11–28–61, Cl. 250—71.5.

Anger, Wilhelm, Jr. Spectacle frames. 2,981,022, 4–25–61, Cl. 41—30.

Angerer, Carl L., and G. W. Wilson, to The Borden Co. Method for the manufacture of cream and neufchatel cheese. 3,012,889, 12–12–61, Cl. 99—116.

Angevine, John S.: *See*—
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Angevine, John S., to Aluminum Co. of America. Methods for thermally processing carbon articles. 3,009,863, 11–21–61, Cl. 202—26.

Angier, Roswell P., to United States of America, Atomic Energy Commission. Preparation of compacts made from uranium and beryllium by sintering. 2,979,399, 4–11–61, Cl. 75—214.

Anglers Mfg. Co.: *See*—
Dunn, Charles B. 3,000,477.

Angleys, Paul: *See*—
Armand, Charles and Angleys. 2,996,771.

Anglim, Charles E., and W. M. Bell, to Dymo Industries, Inc. Tape embossing and label making machine. 2,979,179, 4–11–61, Cl. 197—6.7.

Anglo American Corp. of South Africa, Ltd.: *See*—
Bentley, Desmond M. 3,014,699.
Blair, Robert. 2,969,854.

Anglo-American Extrusion Co.: *See*—
Rowles, Reginald V., and Gowing. 2,984,981.
Rowles, Reginald V., and Madeley. 2,984,980.

Angquist, Torstan F.: *See*—
Peterson, Marvin L., and Angquist. 2,985,933.

Angquist, Torstan F., and M. L. Peterson, to Crescent Niagara Corp. Ratchet wrench. 2,982,161, 5–2–61, Cl. 81—62.

Angus, George & Co. Ltd.: *See*—
Balkin, Mark, and Turner. 3,008,860.
Timms, Jack T. 2,993,339.

Angus, James W., to Kollsman Instrument Corp. Aircraft instrument-remote control-fail safe. 3,009,358, 11–21–61, Cl. 73—384.

Anheuser-Busch, Inc.: *See*—
Commerford, John D., and Ehrenthal. 2,977,356.
Ellis, Nicholas D. 2,990,992.
Hoffmann, Harrison A., Hardwick, and Seeley. 3,013,948.
Sowell, Ernest A., Voigt, and Horst. 3,001,985.
Voigt, John E., Horst, and Sowell. 2,977,357.

Anicetti, Robert J.: *See*—
Evans, Ersel A., Anicetti, and Roake. 2,977,297.

Animal Trap Co. of America: *See*—
Conibear, Frank R. 3,010,245.

Anisfield, Richard C. Hospital type wall lamps. 3,007,038, 10–31–61, Cl. 240—73.

Ankenbrock, Charles A.: *See*—
Dunn, William J., Ankenbrock, and Rabb. 2,980,821.

Ankeney, Fred L. Hitches for aircraft. 3,004,773, 10–17–61, Cl. 280—446.

Anker, Willard B. Multiple tank assembly. 2,971,576, 2–14–61, Cl. 158—46.5.

Anker-Phoenix Nahmaschinen AG: *See*—
Engel, Wolfgang. 3,001,491.
Engel, Wolfgang. 3,005,427.
Theenhausen, Heinrich, and Wank. 2,966,868.

Ankerwerk Gebr. Goller: *See*—
Friederich, Ernst. 3,002,229.
Goller, Herbert. 3,002,225.

Anker-Werke A.G.: *See*—
Sobisch, Johannes, Lauschke, Puschmann, and Kruger. 3,012,717.

Anliker, Rudolf: *See*—
Ruzicka, Leopold, Anliker, and Heusser. 3,014,028.

Annable, Weldon G., and J. W. Walsh, to The Pure Oil Co. Production of waxes of improved quality. 2,995,508, 8–8–61, Cl. 208—21.

Annegarn, Joseph M. J. Means for gripping rods. 3,010,568, 11–28–61 Cl. 205—24.

Annenberg, Robert H., to General Precision Systems Ltd. Analogue computers. 2,078,180, 4–4–61, Cl. 235—196.

Anner, Georg: *See*—
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,986,567.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,903.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,904.
Wettstein, Albert, Anner, and Ehmann. 3,012,939.
Wettstein, Albert, Anner, and Ehmann. 3,012,941.
Wettstein, Albert, Anner, and Heusler. 3,014,032.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Wieland, Schmidlin, and Billeter. 2,994,694.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Wieland, Schmidlin, and Billeter. 3,000,882.

Annett, Albert E., and C. L. Bartlett, to Taylor, Taylor & Hobson Ltd. Optical comparator and shutter devices therefor. 2,983,188, 5–9–61, Cl. 88—24.

Annett, Melvin E.: *See*—
Sorkin, Charles S., and Annett. 2,995,694.

Anning-Johnson Co.: *See*—
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Annonio, Raffaele W., to Union Carbide Corp. Adhesive resin primer composition, method of bonding a synthetic resin to a base therewith and article produced thereby. 3,008,848, 11–14–61, Cl. 117—72.

Anocut Engineering Co.: *See*—
Williams, Lynn A. 3,002,907.

Anschutz, Reynold G., to The Pipe Machinery Co. Collet chuck. 2,982,557, 5–2–61, Cl. 279—57.

Anselm, Hans, J. Smidt, and H. Winkler, to Consortium fur Elektrochemische Industrie G.m.b.H. Process for producing pure polyvinyl alcohol. 2,985,636, 5–23–61, Cl. 260—91.3.

Anselm, Hans, H. Winkler, and J. Smidt, to Consortium fur Elektrochemische Industrie G.m.b.H. Process for the extraction of carboxylic acid from aqueous saponification mixtures of carboxylic acid esters of polyvinyl alcohol. 2,985,637, 5–23–61, Cl. 260—91.3.

Anselmi, James V. Live bait holder and harness. 2,972,831, 2–28–61, Cl. 43—44.4.

Anselmi, James V. Live bait holder. 2,972,832, 2–28–61, Cl. 43—44.4.

Anslte, William K., to Johnston Testers, Inc. Jar. 2,981,336, 4–25–61, Cl. 166—178.

Anslow, Winston K.: *See*—
Bessell, Christine J., Anslow, Mortimer, Fletcher, and Rhodes. 3,013,947.

Anson, Arthur H. Bottle stopper construction. 3,009,594, 11–21–61, Cl. 215—48.

Anson, Inc.: *See*—
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Anspach, Russell J., R. C. Clark, J. T. Nelswinter, and P. A. Tamasi, to American Telephone and Telegraph Co. Semi-automatic teletypewriter tape relay system. 2,979,556, 4–11–61, Cl. 178—3.

Anspacher, William B., E. H. Scott, G. C. Bowen, J. J. Redmond, and R. L. Detwiler, to United States of America, Navy. High velocity, fin stabilized projectile, rifled barrel gun system. 2,998,780, 9–5–61, Cl. 102—95.

Anspon, Harry D., to General Aniline & Film Corp. Process for inhibiting the polymerization of α-chloracrylate esters. 3,000,796, 9–19–61, Cl. 202—57.

Anspon, Harry D., to General Aniline & Film Corp. Metallized plastics and methods for making same. 3,012,906, 12–12–61, Cl. 117—107.

Anstalt Europaische Handelsgesellschaft: *See*—
Nyberg, Sture. 3,006,081.

Anstalt fur die Entwicklung von Erfindungen und gewerblichen Anwendungen ENERGA: *See*—
Brandt, Edgar W. 2,968,870.
Brandt, Edgar W. 3,007,271.
Brandt, Edgar W. 3,009,395.
Brandt, Edgar W. 3,010,397.

Anstett, Edgar J. Pneumatic fastener driving machine. 2,997,713, 8–29–61, Cl. 1—106.

Anstey, Harry L. Collapsible barricade. 2,976,020, 3–21–61, Cl. 256—64.

Ansul Chemical Corp.: *See*—
Guise, Arthur B. 2,969,116.
Zellner, Robert J. 3,008,965.

Ansul, Gerald R., to E. I. du Pont de Nemours and Co. Coating composition comprising a blend of polyurethane reaction products. 3,012,987, 12–12–61, Cl. 260—45.4.

Antalek, John J., to Radio Industries, Inc. Transformer. 3,011,138, 11–28–61, Cl. 336—87.

Antell, George R., and T. W. Roberts, to Metropolitan-Vickers Electrical Co. Ltd. Purification of semi-conductor material. 2,975,048, 3–14–61, Cl. 75—84.

Antell, Joseph C., to Prime Mfg. Co. Heat sealing process for rib stripping. 2,972,761, 2–28–61, Cl. 12—146.

Antelman, Marvin S., to Monsanto Chemical Co. Process for improving the quality of sulfuric acid. 2,971,819, 2–14–61, Cl. 23—172.

Antenna Designs, Inc.: *See*—
Wells, Donald H. 2,975,423.

Antenna Engineering Laboratories: *See*—
Boyer, Joseph M. 2,996,713.
Hagaman, Boynton G. 2,998,603.

Antenna Systems, Inc.: *See*—
Hagaman, Boynton G. 2,992,429.

Anthes, Harrison I., to E. I. du Pont de Nemours and Co. Process and composition for rendering synthetic hydrophobic material antistatic and the product obtained therefrom. 2,982,751, 5–2–61, Cl. 260—29.2.

Anthon, Erik W., to Beckman Instruments, Inc. Luminous character display unit. 2,985,873, 5–23–61. Cl. 340—378.

Anthony, Albert W., and J. G. Miller. Chimney cap. 2,976,796, 3–28–61, Cl. 98—67.

Anthony, Alva A., to G. Miller. Display device. 2,987,843, 6–13–61, Cl. 41—10.

Anthony, Andrew J.: *See*—
Cunningham, John A., and Anthony. 2,967,693.

Anthony, Andrew J., to The Air Preheater Corp. Fluidized heat exchanger. 3,006,609, 10–31–61, Cl. 257—55.

Anthony, Benjamin F.: *See*—
Beason, Robert C., and Anthony. 2,967,790.
Withee, Robert E., and Anthony. 2,988,793.

Anthony Co.: *See*—
Novotney, Frank A. 3,011,664.

Anthony, John W.: *See*—
Blount, Floyd E., and Anthony. 2,979,389.

Anthony, John W., and N. W. Lewis, to General Electric Co. Electric lamp mount making method and apparatus. 3,000,407, 9–19–61, Cl. 140—71.6.

Anthony, Myron L.: *See*—
Adler, Robert, and Anthony. 2,977,414.

Anthony, Myron L., to P. G. S. Mero. Communications systems. 2,998,482, 8–29–61, Cl. 178—18.

Anthony, Russel W., to National Broach & Machine Co. Indexing fixture. 2,969,697, 1–31–61, Cl. 74—823.

Anthony, William C.: *See*—
Szmuszkovicz, Jacob, and Anthony. 2,978,459.
Szmuszkovicz, Jacob, and Anthony. 2,984,670.

Antici, Marino. Means for pulling posts. 3,011,764, 12–5–61, Cl. 254—132.

Antioch College: *See*—
Tien, Jack M. 2,972,547.
Vernet, Sergius. 2,986,936.
Vernet, Serqius and Asakawa. 2,978,665.
Vernet, Sergius, Corwin, and Asakawa. 3,001,401.

Antippas, Spyridon P., and H. S. Koletsky, to Avien, Inc. Thrustmeter. 2,981,098, 4–25–61. Cl. 73—116.

Antista, Bart A., to North American Aviation, Inc. Full-wave transistorized switch. 3,013,162, 12–12–61, Cl. 307—88.5.

Antliff, Albert M., and R. A. Nesbitt, to Phillips Electrical Co. Ltd. Hand grips for cartons. 3,008,627, 11–14–61, Cl. 229—52.

Antognini, Joe: *See*—
Tilles, Harry, and Antognini. 2,977,209.
Tilles, Harry, and Antognini. 2,989,393.

Anton Electronic Laboratories, Inc.: *See*—
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Anton, Nicholas. Air particle monitor. 2,972,678, 2–21–61, Cl. 250—13.5.

Anton, Nicholas. Geiger-Mueller counter tube. 2,974,247, 3–7–61, Cl. 313—93.

Anton, Nicholas. Multi-speed drill. 2,976,436, 3–21–61, Cl. 310—50.

Antoniades, Arthur J., and E. J. Bigelow, to North American Aviation, Inc. Compression type high temperature seal. 2,976,066, 3–21–61, Cl. 286—10.

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Antonoff, Walter, and G. L. Grant, to Universal Controls, Inc. Agitator for coin handling apparatus and the like. 2,987,160, 6–6–61, Cl. 194—9.
Antonsen, Donald H., to Sun Oil Co. Motor fuel compositions. 3,001,858, 9–26–61, Cl. 44—69.
Antonsen, Donald H., to Sun Oil Co. Hexamethylbenzene molybdenum tricarbonyl. 3,010,978, 11–28–61, Cl. 260—429.
Antonsen, Randolph, to Cabot Corp. Treatment of finely divided pigments. 2,984,547, 5–16–61, Cl. 23—209.1.
Antonucci, Nicholas, Jr. Mop with wringing rolls. 2,966,689, 1–3–61, Cl. 15—119.
Antraigue, Roger. Balancing weight arrangement for a motor-vehicle wheel. 2,973,225, 2–28–61, Cl. 301—5.
Antunez, Armand E., Jr. Float-operated valve. 2,971,525, 2–14–61, Cl. 137—217.
Anzai, Shoji. Mechanism of iris stop for camera. 2,980,002, 4–18–61, Cl. 95—42.
Aoki, Ryohei: *See*—
Ogawa, Tetsuo, Tsunoda, Aoki, Kinoshita, Okumura, and Kondo. 2,971,890.
Aoki, Takeshi, to Fujiya Electric Co., Ltd. Phonographic apparatus. 3,008,720, 11–14–61, Cl. 274—9.
Apasco Corp.: *See*—
Adams, Ralph H. 3,013,184.
Apco, Inc.: *See*—
Andres, Lloyd J. 3,010,382.
Hill, James J. 2,971,454.
Ap[illegible] Mosberg Co.: *See*—
Gill, Martin J. 2,972,271.
Gill, Martin J. 3,000,209.
Apel, Alfons, to Udic Societe Anonyme. Hydrolysis of vegetable cellulosic materials. 2,974,067, 3–7–61, Cl. 127—37.
Apel, Alfons, to UDIC Societe Anonyme. Conversion of wood sugars to poly ls. 2,989,569, 6–20–61, Cl. 260—635.
Apelbaum, Joseph H., and K. W. Dudley, to Raytheon Co. Impregnated cathodes. 2,995,674, 8–8–61, Cl. 313—346.
Apex Machine & Tool Co., The: *See*—
Wendling, Le Roy J. 2,987,334.
Apex Paper Box Co.: *See*—
Riley, Thomas, Zaas, Gaser, and Strmac. 2,999,430.
Apgar, Donald H., to International Business Machines Corp. Reversible electronic counter. 2,968,003, 1–10–61, Cl. 328—44.
Apgar, James W., to United States of America, Army. Reverse action device for subjecting an object to a single impulse. 2,986,921, 6–6–61, Cl. 73—12.
Apol, Peter J. Payroll accounting board. 3,005,644, 10–24–61, Cl. 282—29.
Apostolico, Joseph E. Garment hanger. 3,002,661, 10–3–61, Cl. 223—88.
Appelhoz, Robert, and M. Huber, to Machine Tool Works Oerlikon, Administration Co. Impact fuze. 2,999,461, 9–12–61, Cl. 102—75.
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Engelhorn, Fred, Tracy, and Appaluci. 3,011,650.
Appel, Andrew L. Burglar and fire alarm. 3,004,248, 10–10–61, Cl. 340—227.
Appel, Charles V.: *See*—
Woodruff, Maurice D., and Appel. 2,971,225.
Appel, Frederick L.: *See*—
Rummery, Frank O., Roseman, Appel, and Hamshey. 2,971,821.
Appel, Gerhard H., to Appel Process, Ltd. Forming machines. 2,970,500, 2–7–61, Cl. 78—22.
Appel, Gerhard H., to Appel Process, Ltd. Method for straightening and for relieving stresses in workpieces. 2,985,956, 5–30–61, Cl. 29—544.
Appel, Gerhard H., to Appel Process, Ltd. Forming machine. 2,986,051, 5–30–61, Cl. 78—21.
Appel, Gerhard H., to Appel Process, Ltd. Cold forming methods. 3,014,273, 12–26–61, Cl. 29—552.
Appel Process, Ltd.: *See*—
Appel, Gerhard H., 2,970,500.
Appel, Gerhard H. 2,985,956.
Appel, Gerhard H. 2,986,051.
Appel, Gerhard H. 3,014,273.
Appel, Theodore B., Jr., to Koehring Co. Multiple material batcher control. 3,002,575, 10–3–61, Cl. 177—70.
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Appell, Herbert R., and E. E. Meisinger, to Universal Oil Products Co. Process for the preparation of specific geometric olefin isomers. 2,994,727, 8–1–61, Cl. 260—683.2.
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Appelt, Edna. Container structure. 2,968,394, 1–17–61, Cl. 206—47.
Appelzweig, Alex A. Toggle bolt. 2,998,743, 9–5–61, Cl. 85—3.
Appenzeller, Theodore. Motor vehicle door handle removing tool. 3,013,331, 12–19–61, Cl. 29—229.
Appius, Max K., to E. Mettler. Spring balance. 2,969,228, 1–24–61, Cl. 265—63.
Appl, Fredric C., to Jersey Production Research Co. Combined high pressure bushing and sight glass. 3,014,981, 12–26–61, Cl. 174—152.
Apple, Edward M., to J. Martin. Single lever, power actuated, service and emergency brake system. 3,003,605, 10–10–61, Cl. 192—4.
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Nye, Robert G., Brettell, and Apple. 2,969,599.
Apple, Leroy M., and W. P. Feuerhelm. Hand tool. 3,011,249, 12–5–61, Cl. 29—213.
Applebaum, Sidney, to General Electric Co. Spectrum analyzer. 2,997,650, 8–22–61, Cl. 324—77.
Appleby, David K. Slingshot. 2,996,060, 8–15–61, Cl. 124—41.
Appleby, Paul E., to The Goodyear Tire & Rubber Co. Apparatus for building tires. 2,998,053, 8–29–61, Cl. 154—9.
Applegate, George W., to United States of America, Army. Synchronized blocking oscillator. 2,985,846, 5–23–61, Cl. 331—112.
Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Preparation of urea from carbonyl sulfide and ammonium acid sulfide. 2,979,527, 4–11–61, Cl. 260—555.
Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Preparation of carbonyl sulfide. 2,992,896, 7–18–61, Cl. 23—203.
Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Preparation of carbonyl sulfide. 2,992,897, 7–18–61, Cl. 23—203.
Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Preparation of carbonyl sulfide. 2,992,898, 7–18–61, Cl. 23—203.
Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Diureides and method for their preparation. 2,993,044, 7–18–61, Cl. 260—247.2.
Appleman, Leo H., to Topatron, Inc. Shielding structure. 2,978,531, 4–4–61, Cl. 174—35.
Appleman, Mark J.: *See*—
Robinson, Edward N., Appleman, Miller, and Singer. 2,975,956.
Appleton, Arthur I. Electrical box bracket. 2,973,175, 2–28–61, Cl. 248—216.
Appleton, Arthur I., N. A. Tornblom, and C. H. Lindell, to Appleton Electric Co. Sectional switchgear housing. 2,988,591, 6–13–61, Cl. 174—50.
Appleton, Arthur I. and N. A., to Appleton Electric Co. Self-sealing fitting for flexible conduit. 3,006,664, 10–31–61, Cl. 285—248.
Appleton Electric Co.: *See*—
Appleton, Arthur I. and N. A. 3,006,664.
Appleton, Arthur I., Tornblom, and Lindell. 2,988,591.
McNeill, Everett A. 3,006,661.
Appleton, Joe S. Multiple piston power cylinder. 2,981,234, 4–25–61, Cl. 121—38.
Appleton Machine Co., The: *See*—
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Appleton Mills: *See*—
Blackburn, Andrew F., and Lukshin. 3,009,234.
Appleton, Norton A.: *See*—
Appleton, Arthur I. and N. A. 3,006,664.
Appleton Wood Products Co.: *See*—
Youngchild, Casper E. 2,976,925.
Applied Physics Corp.: *See*—
Cary, Henry H. 3,013,194.
Applied Plastics, Inc.: *See*—
Bauman, Douglas B. 2,974,366.
Applied Power Industries, Inc.: *See*—
Atherton, Neil F., and Sessody. 3,013,772.
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Luedicke, Alex H., Jr., and Chapman. 2,998,837.
Applied Radiation Corp.: *See*—
Jeppson, Morris R. 2,992,329.
Jeppson, Morris R., and Post. 3,011,087.
Post, Richard F. 3,011,086.
Applied Research Corp.: *See*—
Hutzelman, Howard E. 2,975,702.
Applied Research Inc.: *See*—
Dolin, Martin, Scandurra, and Poulos. 2,974,403.
Apra Precipitator Corp.: *See*—
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Apstein, Maurice. Low-inertia induction motor rotor. 2,974,242, 3–7–61, Cl. 310—266.
Apt, Lloyd D., to International Telephone and Telegraph Corp. Dial controlled intercommunication systems. 3,014,097, 12–19–61, Cl. 179—84.
Aqua-Chem, Inc.: *See*—
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Aquamatic Inc.: *See*—
Whitlock, Robert A. 3,007,495.
Whitlock, Robert A., and Anderson. 3,005,465.
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Arabian, Karekin G., to Shell Oil Co. Wax compositions. 3,014,003, 12–19–61, Cl. 260—28.5.
Arabian, Karekin G., and R. J. Olson, to Shell Oil Co. Dewaxing hydrocarbon oil. 3,006,839, 10–31–61, Cl. 208—33.
Arakelian, Arthur N., A. Rhodes, and T. R. Hopkins, to The Lubrizol Corp. Phosphorus and sulfur containing compositions and method for preparing same. 3,004,996, 10–17–61, Cl. 260—429.9.
Arant, Perry, to Clayton Mfg. Co. Balanced feed water system for steam generators. 2,987,053, 6–6–61, Cl. 122—451.
Araujo, Ricardo A. Can opener. 2,983,040, 5–9–61, Cl. 30—46.

Arbeit, Pierre: *See*—
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Arbeiter, Alvin H., and E. J. Mateja, to American Gate & Machine Co. D'arsonval-movement assembly. 2,978,640, 4–4–61, Cl. 324—151.

Arbel, Pierre, ½ to Etablissements Arbel. Devices for operating discharge gates of hoppers and the like. 2,991,730, 7–11–61, Cl. 105—240.

Arbetman, Arthur; *See*—
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Rodman, Norman H. A., and Arbetman. 2,978,100.

Arbogast, Duane J., to Dover Corp. Fluid control means. 2,980,073, 4–18–61, Cl. 121—46.4.

Arbogast, Duane J., and L. F. Jaseph, to Dover Corp. Automatic speed control safety valve for hydraulic elevators. 2,988,060, 6–13–61, Cl. 121—46.4.

Arbour Box Co.: *See*—
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Arbour, Foy A., to Arbour Box Co., and Brunswick Corp. Machine for cutting billets from a block. 2,980,151, 4–18–61, Cl. 143—85.

Arbter, Conrad. Machines for packing textiles. 2,996,861, 8–22–61, Cl. 53—180.

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Archbold, Stanley. Cargo batten hanger for ships. 2,979,302, 4–11–61, Cl. 248—247.

Archdale, James, & Co. Ltd.: *See*—
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Archer, Bradford L.: *See*—
Tompkins, Harold W., and Archer. 2,992,092.
Warner, Paul F., and Archer. 2,993,923.

Archer-Daniels-Midland Co.: *See*—
Boller, Robert A. 2,992,197.
Budde, Walter M., Jr., and Matson. 2,993,920.
Stenberg, Russell J. 2,983,738.
Stenberg, Russell J., and Rheineck. 2,993,926.

Archer, Erling B. Automatic ice making apparatus. 2,994,204, 8–1–61, Cl. 62—127.

Archer, Irving M., to Campbell Taggart Associated Bakeries, Inc. Apparatus for facilitating removal of bakery products such as rolls from baking pans and packing thereof in cartons. 2,969,633, 1–31–61, Cl. 53—391.

Archer, Irving M., to Campbell Taggart Associated Bakeries, Inc. Apparatus for applying edible particles such as seeds to bakery products. 2,995,107, 8–8–61, Cl. 118—16.

Archer, James A.: *See*—
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Archer, James R., and W. H. Banks, to International Minerals & Chemical Corp. Sampling tube. 2,968,184, 1–17–61, Cl. 73—425.2.

Archer, John, and G. V. Carcasson, to North American Philips Co., Inc. Method of and apparatus for position-selection, scanning and the like. 2,991,394, 7–4–61, Cl. 315—169.

Archer, John R., to United States of America, Navy. Crystal diode test apparatus. 2,968,001, 1–10–61, Cl. 324—158.

Archer, Lee A., to The Pyle National Co. High current electrical connector. 2,988,723, 6–13–61, Cl. 339—30.

Archer, Lee A., to The Pyle National Co. Overhead air and light distributor unit. 3,004,142, 10–10–61, Cl. 240—9.

Archer, Lee A., to The Pyle-National Co. Air and light distributor unit. 3,012,133, 12–5–61, Cl. 240—9.

Archer, Wesley L.: *See*—
Louch, James B., and Archer. 3,005,743.

Archibald, David W. Apparatus for wet-treating webs of sheet material. 2,993,356, 7–25–61, Cl. 68—158.

Archibald, Paul B., 25% to D. Nardelli. Process for the manufacture of reflector backings. 2,972,782, 2–28–61, Cl. 18—58.3.

Archibald, Raymond C., to Shell Oil Co. Preparing hydrocarbon fuels by solvent extraction, hydrodesulfurization and hydrogenation of cracked gas oils. 3,006,843, 10–31–61, Cl. 208—211.

Archibald, Raymond C., to Shell Oil Co. Hydrogenation of lubricating oils to remove sulfur and saturate aromatics. 3,012,963, 12–12–61, Cl. 208—217.

Architectural Porcelain Constructors: *See*—
Allen, John K., and Butterfield. 2,972,559.

Arcoa, Inc.: *See*—
Safford, Thomas W. 2,981,921.

Arcos Corp.: *See*—
Johnson, Wallace C. 3,001,898.

Arcuri, John. Portable grills. 3,002,511, 10–3–61, Cl. 126—25.

Ardell, Edgar F. Feeding device. 2,971,677, 2–14–61, Cl. 221—236.

Ardelyan, Michael. Hair ornament. 2,975,788, 3–21–61, Cl. 132—46.

Arden, Benjamin, to Purex Corp., Ltd. Alkaline composition for cleaning metal. 2,992,995, 7–18–61, Cl. 252—152.

Arden, Benjamin, to Purex Corp., Ltd. Composition and process for descaling metal parts. 3,000,829, 9–19–61, Cl. 252—103.

Arden, Benjamin, and F. E. Clark, to Purex Corp., Ltd. Process for removing leaded deposits from metal. 2,992,946, 7–18–61, Cl. 134—29.

Arden, Benjamin, and F. E. Clark, to Purex Corp., Ltd. Method for derusting and removing heat scale from ferrous bodies and compositions of matter useful therefor. 2,992,997, 7–18–61, Cl. 252—153.

Arden, Thomas T., and V. Weber, to Robertshaw-Fulton Controls Co. Gas range structure. 2,993,532, 7–25–61, Cl. 158—105.

Ardente Acoustic Laboratories Ltd.: *See*—
Morrish, Desmond G. 2,999,992.

Ardis, Alan E., H. A. Bruson, and A. A. Vaitekunas, to Olin Mathieson Chemical Corp. Preparation of methylaromatic dicarboxylic acids. 3,008,983, 11–14–61, Cl. 260—524.

Ardner, Robert L., to Lynch Corp. Wrapper registration control. 2,977,730, 4–4–61, Cl. 53—51.

Ardner, Robert L., to Lynch Corp. Ratchet adjuster for a variable speed drive. 2,993,383, 7–25–61, Cl. 74—142.

Arem, Irving: *See*—
Burgert, Harold E. 2,967,428.

Arem, Jane L.: *See*—
Burgert, Harold E. 2,967,428.

Arena, Joseph E. Tree seat. 2,982,337, 5–2–61, Cl. 155—78.

Arenco Aktiebolag: *See*—
Ahlbor, Valter A. 2,997,828.
Rihl, Lennart O. 2,971,517.

Arengo, Christopher G., to Talion Ltd. Ball-pointed writing instruments. 2,967,353, 1–10–61, Cl. 29—538.

Arengo, Christopher G., to Bristol Repetition Ltd. Writing instruments. 2,969,041, 1–24–61, Cl. 120—42.4.

Arengo, Christopher G., ½ to Bristol Repetition Ltd. Lead screw feed means with means to clutch feed nut to establish feed means for tool spindle. 3,013,285, 12–19–61, Cl. 10—139.

Arens, James L., and J. D. Ratje, to Phillips Petroleum Co. Process for the purification of crystals. 2,983,589, 5–9–61, Cl. 23—295.

Arens, Walter: *See*—
Holzwarth, Herbert, and Arens. 2,978,544.

Arenson, Herbert. Furniture glide shoe. 2,968,116, 1–17–61, Cl. 45—137.

Arenson, Herbert. Furniture support. 2,988,770, 6–20–61, Cl. 16—42.

Arenson, Simon W., 24½% to A. N. Geser, and 24½% to A. C. Schugam. Process for preparing potato chips. 2,976,153, 3–21–61, Cl. 99—100.

Arenz, Matthias: *See*—
Robra, Helmut, Billen, and Arenz. 2,994,303.
Robra, Helmut, Billen, and Arenz. 3,010,432.

Arey, William F., Jr., to Esso Research and Engineering Co. Manufacture of hydrogen. 2,985,512, 5–23–61, Cl. 23—212.

Arey, William F., Jr., and K. E. Draeger, to Esso Research and Engineering Co. Naphtha isomerization process. 2,992,285, 7–11–61, Cl. 260—683.75.

Arff, John H., to A-Lure, Inc. Fishing lure. 2,995,857, 8–15–61, Cl. 43—42.34.

Argabrite, George A., to Pacific Transducer Corp. Radiation dosimeter. 2,997,589, 8–22–61, Cl. 250—83.3.

Arganbright, Ray. Apparatus for covering a playing field. 3,005,461, 10–24–61, Cl. 135—5.

Arganbright, Robert P., to Monsanto Chemical Co. Production of olefins. 2,971,995, 2–14–61, Cl. 260—683.3.

Argentieri, Peter A., and T. L. Day, to Connor Engineering Corp. Dual duct attenuators for air conditioning systems and the like. 2,989,984, 6–27–61, Cl. 137—607.

Argersinger, John I., and H. M. Lowenstein, to Combustion Engineering, Inc. Method and apparatus for controlling fuel and/or feedwater flow in a once-through steam generator. 3,004,529, 10–17–61, Cl. 122—448.

Argus Chemical Corp.: *See*—
Gagliardi, Domenick D., and Jutras. 2,985,541.
Kauder, Otto S. 3,008,999.
Kauder, Otto S., and Perry. 3,003,998.
Kauder, Otto S., and Perry. 3,003,999.
Kauder, Otto S., and Perry. 3,004,000.
Leistner, William E., Hecker, and Knoepke. 2,997,454.
Stossel, Ernest. 3,004,921.

Argyriadis, Doros A.: *See*—
Knight, George R., Jr., McMullen, and Argyriadis. 2,985,131.

Arhart, Grant E., to Desoto Chemical Coatings, Inc. Method for electrostatic spraying of non-conductors. 2,992,139, 7–11–61, Cl. 117—215.

Ariens Co.: *See*—
Ariens, Mando S., and Tschantz. 2,972,850.

Ariens, Mando S., and W. O. Tschantz, to Ariens Co. Ridable powered implement. 2,972,850, 2–28–61, Cl. 56—25.4.

Aries, Robert S.: *See*—
Curtis, Gerard W. 2,999,858.

Aries, Robert S. Plasticized polymerized hydrocarbon-substituted ethylenes. 2,967,164, 1–3–61, Cl. 260—23.

Aries, Robert S. Preparation of alpha-hydroxyisobutyric acid. 2,971,981, 2–14–61, Cl. 260—533.

Aries, Robert S. High purity elemental silicon. 3,010,797, 11–28–61, Cl. 23—223.5.

Aries, Robert S. Process of making a graft copolymer of butadiene and styrene-allyl methacrylate copolymer. 3,012,000, 12–5–61, Cl. 260—45.5.

Aries, Robert S. Conversion of higher fatty acids into shorter chain length nitriles. 3,012,060, 12–5–61, Cl. 260—465.2.

Aris, David J. B., to N.V. Koninklijke Nederlandse Vliegtuigenfabriek. Machine for joggling shaped metal or metal profiles. 3,000,423, 9–19–61, Cl. 153—11.

Arisman, Mervin B.: *See*—
Barden, Wayne A., and Arisman. 2,997,679
Di Girolamo, Joseph, and Arisman. 2,976,507.

Aristocraft Leather Products, Inc.: *See*—
Markus, George, and Siegel. 3,007,505.
Aristoff, Eugene: *See*—
Fowle, Merrill J., Pitts, and Aristoff. 2,990,364.
Arita, Hideo, and H. Kusaka, to Asahi Kasei Kogyo Kabushiki Kaisha. Method of recovering ammonium chloride. 3,014,782, 12–26–61, Cl. 23—100.
Arkell, Basil H.: *See*—
Summerlin, Frederick A., and Arkell. 2,986,933.
Arkla Air Conditioning Corp.: *See*—
Humphrey, Robert P. 3,007,467.
Ark-Les Switch Corp.: *See*—
Davis, Stafford E. 2,987,697.
Arkley, Vincent, and G. H. Phillipps, to Glaxo Laboratories Ltd. Diamine salts of 21-phosphate esters of steroid compounds of the pregnane and allopregnane series. 2,967,179, 1–3–61, Cl. 260—239.5.
Arlauskas, Alfonsas, to General Motors Corp. Window regulator mechanism. 2,978,242, 4–4–61, Cl. 268—121.
Arlauskas, Alfonsas, and A. W. Hollar, Jr., to General Motors Corp. Finish molding for automobile bodies. 2,983,544, 5–9–61, Cl. 296—44.5.
Arledge, Kendall: *See*—
Duchene, William R., Arledge, and Jacomino. 2,998,512.
Arledter, Hanns F., to Hurlbut Paper Co. Synthetic fiber paper and process for producing the same. 2,971,877, 2–14–61, Cl. 162—101.
Arledter, Hanns F., and H. Piepenbrink, deceased (by U. B. Piepenbrink, administratrix), ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Process for coating a substrate with a mixture of a polyhydroxy polyester and a polyisocyanate. 2,967,117, 1–3–61, Cl. 117—106.
Arlington Aluminum Co.: *See*—
Howell, David S. 2,973,933.
Arlington Seating Co.: *See*—
Close, Charles F. 2,973,807.
Close, Charles F. 2,981,319.
Close, Charles F. 2,986,203.
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Armacost, Wilbur H., to Combustion Engineering, Inc. Steam generator. 2,973,750, 3–7–61, Cl. 122—479.
Armacost, Wilbur H., to Combustion Engineers, Inc. Wall construction for pressurized furnace. 2,987,052, 6–6–61, Cl. 122—6.
Armacost, Wilbur H., to Combustion Engineering, Inc. Furnace wall and support construction. 2,999,483, 9–12–61, Cl. 122—510.
Armand, Charles, and P. Angleys, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Usine. Method and apparatus for horizontal pouring of metals. 2,996,771, 8–22–61, Cl. 22—57.2.
Armandroff, Taft E., and W. F. Olashaw, to General Electric Co. Switchboard. 2,999,190, 9–5–61, Cl. 317—120.
Armanini, Edward N., to North American Aviation, Inc. Transistor multivibrator. 2,976,427, 3–21–61, Cl. 307—88.5.
Armantrout, Kenneth M.: *See*—
Russey, Edward S., Armantrout, and Kelbel. 2,997,996.
Armanville, Jean: *See*—
Marett, Claude, and Armanville. 3,004,350.
Armbrecht, Bernard H., and J. E. Malloy; said J. E. Malloy, assor. to E. D. Armbrecht. Densitometer with oscilloscope display. 2,972,925, 2–28–61, Cl. 88—14.
Armbrecht, Charles: *See*—
Steinbock, Edmund A., Armbrecht, and Steinbock, Jr. 3,005,232.
Armbrecht, Ethel D.: *See*—
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Armbrust, Roy J. Detection system for coolant failure. 3,007,461, 11–7–61, Cl. 123—41.15.
Armbruster, Frederick C., to Corn Products Co. Enzyme preparation. 3,012,944, 12–12–61, Cl. 195—31.
Armbruster, Gunter, to Rodi & Wienenberger Aktiengesellschaft. Expansible link strap. 3,008,290, 11–14–61, Cl. 59—79.
Armco Steel Corp.: *See*—
Brennan, John R., and Bloudoff. 2,984,224.
Dull, William L., and Elmburg. 3,010,674.
Emerson, Charles E. 2,984,474.
Holt, Arthur R. 3,003,323.
Jackson, John M., and Macklin. 3,000,752.
La Tour, Harry, and Miller. 2,992,318.
Long, Spencer W. 2,980,400.
Satterfield, Walter R. 3,010,854.
Schnedler, Paul E. 2,986,808.
Tanczyn, Harry. 2,989,429.
Tanczyn, Harry. 3,000,729.
Tanczyn, Harry. 3,000,730.
Whitley, Paul J., Kemplin, and Jones. 2,992,941.
Armelin, Edouard R. Manually-operated machines for rolling cigarettes. 3,011,498, 12–5–61, Cl. 131—37.
Armen, Ardy: *See*—
Stanton, George W., and Armen. 2,970,884.
Armen, Ardy, F. A. Ehlers, and S. A. Murdock, to The Dow Chemical Co. Acrylonitrile polymer compositions containing N-vinyl-3-morpholinone polymer dye-assisting adjuvant method of manufacturing same and resulting shaped articles. 2,997,449, 8–22–61, Cl. 260—29.6.
Armento, William H., and W. E. Wallace, to General Aniline & Film Corp. Process for producing certain 2-aminophenoldisulfonamides. 2,979,503, 4–11–61, Cl. 260—247.1.
Armentrout, Edward L., ⅛ to H. L. Mead and ⅛ to L. A. Barre, III. Minnow trap. 3,003,278, 10–10–61, Cl. 43—103.
Armentrout, Everett C., to General Motors Corp. Electric terminal connector. 3,011,144, 11–28–61, Cl. 339—95.
Armer, Austin A., to Spreckels Sugar Co. Beet screening and cleaning device. 2,997,086, 8–22–61, Cl. 146—85.
Armes, Fred D., and P. S. Rogers, to General Motors Corp. Integrated automotive heating and air conditioning systems. 3,004,752, 10–17–61, Cl. 257—289.
Armistead, Fontaine C., and A. L. Tirico, to Texaco Development Corp. Analysis techniques based on nuclear magnetic resonance. 2,973,471, 2–28–61, Cl. 324—.5.
Armitage, Frank, and L. G. Trace, to The Sherwin-Williams Co. Water dispersible oil modified alkyd resins containing oxyalkylated glycols and method of manufacture of the same. 3,001,961, 9–26–61, Cl. 260—22.
Armitage, John B., R. Dessauer, and A. M. Hyson, to E. I. du Pont de Nemours and Co. 2-hydroxy N-dodecyloxybenzophenone. 3,006,959, 10–31–61, Cl. 260—591.
Armitage, John L., & Co., Inc.: *See*—
Jeff, William C. 2,982,670.
Armitage, Joseph B., and J. N. Flannery, to Kearny & Trecker Corp. Torque limiting control. 2,978,965, 4–11–61, Cl. 90—21.
Armitage, Joseph B., T. A. Wetzel, G. G. Baumbach, and F. Zanki, to Kearney & Trecker Corp. Spindle construction and dual transmission therefor. 2,988,965, 6–20–61, Cl. 90—11.
Armond, John W., to The British Oxygen Co. Ltd. Method of and apparatus for storing liquid ozone. 2,983,105, 5–9–61, Cl. 62—49.
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Armour & Co.: *See*—
Baker, James A. 3,014,843.
Benton, Francis L. 2,998,437.
Damaskus, Charles W. 2,978,385.
Dybalski, Jack N., Berenschot, and Riegler. 3,014,810.
Fischer, Elias. 2,991,169.
Greer, Donald M. 2,971,846.
Harrington, Bertie S. 2,987,922.
Hopkins, Ervin W., and Zimont. 2,999,019.
Kaiser, Emil. 3,009,902.
Kaiser, Emil, and Gunther. 3,014,968.
Kell, Havard L. 2,971,849.
Matt, Joseph Z., and Schroeder. 3,007,952.
Mitz, Milton A. 3,014,805.
Odegaard, David C., O'Brien, and Krammer. 2,995,452.
Raine, Raymond A. 2,978,848.
Rapkin, Edward. 2,968,593.
Robbins, Kenneth C. 3,008,877.
Rogers, Alan B., and Roland. 3,011,943.
Shapiro, Sydney H. 2,012,048.
Sheely, Madison L., and Glynn. 2,991,253.
Shinn, Byron M., and Kaiser. 3,006,810.
Shinn, Byron M., Kaiser, and Roland. 3,006,811.
Turinsky, Otto. 2,990,943.
Armour & Co. of Delaware: *See*—
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Bunce, Donald F. M., II. 3,009,856.
Reck, Richard A., and Arthur. 2,982,784.
Thompson, Olin R. 2,982,661.
Armour, Donald F., to Plax Corp. Liquid spray dispenser. 2,980,342, 4–18–61, Cl. 239—327.
Armour, Donald F., to Plax Corp. Dropper plug. 2,987,223, 6–6–61, Cl. 222—207.
Armour, Donald F., to Plax Corp. Method for molding and assembling dispenser fitment. 3,013,308, 12–19–61, Cl. 18—55.
Armour Research Foundation of Illinois Institute of Technology: *See*—
Baum, John W. 2,972,051.
Bobb, Lloyd J. 2,969,584.
Bradstreet, Samuel W., and Rechter. 2,978,360.
Cameron, Scott H., and Kantner. 2,992,293.
Camras, Marvin. 2,975,241.
Camras, Marvin. 2,987,583.
Camras, Marvin. 2,998,325.
Camras, Marvin. 3,013,123.
Hansen, Wilbur W. 2,994,032.
Levinson, David W., McAndrew, and Metcalfe. 2,983,602.
Noble, Richard D., Bradstreet, and Rechter. 2,995,453.
Reiffel, Leonard. 2,983,834.
Rostoker, William, and Domagala. 2,985,955.
Wiegand, David E. 2,999,135.
Wiegand, David E. 3,005,878.
Arms, Milo F., and J. E. Payton, to The C. O. Bartlett & Snow Co. Corn sheller. 3,013,565, 12–19–61, Cl. 130—6.
Armstead, Walter E., to M.S.S. Recording Co. Ltd. Magnetic recording and/or reproducing machines. 3,009,663, 11–21–61, Cl. 242—55.12.
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Palow, Earl. 3,008,207.
Armstrong, C. E., Co.: *See*—
Armstrong, Charles E. 2,971,075.
Armstrong, Charles E., to C. E. Armstrong Co. Safety device for electrical heaters. 2,971,075, 2–7–61, Cl. 219—34.
Armstrong, Charles F. Swimming instruction appliance. 2,975,749, 3–21–61, Cl. 115—22.2.

Armstrong Cork Co.: *See*—
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Brown, Milton G., and Phillippi. 3,013,626.
Brown, Milton G., and Phillippi. 3,013,937.
Bushnell, Collins E., and Parker. 2,980,642.
Culp, Charles R. 2,981,528.
Downs, William W. 2,968,322.
Feigley, David A., Jr. 2,995,030.
Feigley, David A., Jr. 3,005,798.
Feigley, David A., Jr., and Ray. 3,008,868.
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Gaenzle, Luther E. 2,992,509.
Gaenzle, Luther E. 3,013,300.
Graham, Galen E. 3,000,847.
Green, Robert F. 2,995,198.
Haines, Charles, Jr., and Owens. 3,010,599.
Konold, J. Reynolds. 2,972,472.
Lueders, Robert W. 2,980,279.
Mariner, Thomas. 2,968,327.
Marxen, John E. 2,992,577.
Parker, John A. 2,969,338.
Parker, John A. 3,006,897.
Parker, John A., Ready, and Versnel. 2,974,116.
Parker, John A., and Versnel. 3,011,999.
Piersol, Jay L. 2,971,879.
Reese, Ellsworth R. 3,012,901.
Roecker, Robert F. 2,985,606.
Rueggeberg, Werner. 2,997,671.
Smith, Thomas B. 3,007,808.
Souser, Chester E. 2,993,582.
Whittemore, Harold E. 2,969,828.
Zentmyer, David T. 3,000,754.

Armstrong, David E., T. J. J. Dunn, W. H. Stulen, and G. P. Roeser. Cold tube bending and sizing. 2,971,556, 2-14-61, Cl. 153—32.

Armstrong, Desmond R., to Eltel-McCullough, Inc. Grid structure and method of making the same. 2,988,667, 6-13-61, Cl. 313—348.

Armstrong, Frank W.: *See*—
Carpenter, Otis R., and Armstrong. 2,993,983.

Armstrong, Frederick E., to United States of America, Interior. Method of tracing the flow of liquids by use of post radioactivation of tracer substances. 3,002,091, 9-26-61, Cl. 250—83.

Armstrong, George W., and R. J. Neff. Foreign body detector. 3,004,662, 10-17-61, Cl. 209—72.

Armstrong, James, & Co.: *See*—
Smith, Geoffrey. 2,989,305.

Armstrong, James F., to ACF Industries, Inc. Fuel injection system. 2,985,160, 5-23-61, Cl. 123—119.

Armstrong, James F., and C. K. McConnell, to ACF Industries, Inc. Fuel injection system. 3,006,329, 10-31-61, Cl. 123—179.

Armstrong, James M., and M. C. Goddard, to Bell Telephone Laboratories, Inc. Private line transfer switching circuit. 3,001,027, 9-19-61, Cl. 179—18.

Armstrong, James W., and B. A. Rafoth, to American Can Co. Comestible package. 2,981,456, 4-25-61, Cl. 229—16.

Armstrong, John A., and D. W. Berry, to Hilger & Watts Ltd. Optical compensator and tilt detector. 2,981,141, 4-25-61, Cl. 88—1.

Armstrong, Law L., ⅓ to G. A. Stebbins, and ⅓ to A. A. Hohenberg. Inflatable massaging and cooling mattress. 2,998,817, 9-5-61, Cl. 128—33.

Armstrong, Lorne D., to Radio Corp. of America. Method of making phosphorus diffused silicon semiconductor devices. 2,974,073, 3-7-61, Cl. 148—1.5.

Armstrong, Lorne D., to Radio Corp. of America. Production of controlled P-N junctions. 2,975,080, 3-14-61, Cl. 148—1.5.

Armstrong, Melvin S.: *See*—
Seehof, Jerrold M., Armstrong, and Smithberg. 2,990,493.

Armstrong, Merlyn M., to Motorola, Inc. Color television receiver. 2,987,647, 6-6-61, Cl. 315—13.

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Rollitt, John. 3,001,223.
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Wordsworth, Jack. 2,970,832.
Wordsworth, Jack. 2,997,290.

Armstrong, Paul R., and F. O. Luenberger, to U.S. Electrical Motors, Inc. Rotor structure for synchronous induction motors. 2,975,310, 3-14-61, Cl. 310—163.

Armstrong, Philip N., to Hughes Aircraft Co. Sort-completion detection apparatus. 3,013,249, 12-12-61, Cl. 340—172.5.

Armstrong, Philip N., to Hughes Aircraft Co. Minimal storage sorter. 3,015,089, 12-26-61, Cl. 340—172.5.

Armstrong, Philip N., E. E. Jungclas, Jr., and G. Wolfe, Jr., to Hughes Aircraft Co. Two-way data compare-sort apparatus. 2,984,822, 5-16-61, Cl. 340—149.

Armstrong, Philip N., E. E. Jungclas, Jr., and G. Wolfe, Jr., to Hughes Aircraft Co. Two-way data compare-sort apparatus. 2,984,824, 5-16-61, Cl. 340—172.5.

Armstrong, Ted E., to The Celotex Corp. Gypsum wallboard. 2,991,826, 7-11-61, Cl. 154—1.25.

Armstrong, Thomas N., Jr.: *See*—
Hurley, John L., and Armstrong. 3,008,820.

Armstrong, Vernon L. Device for teaching number concepts. 3,002,295, 10-3-61, Cl. 35—31.

Armstrong, Victor O. Helicopter rotor head. 2,988,155, 6-13-61, Cl. 170—160.23.

Armstrong, Victor O. Helicopter control apparatus. 2,998,850, 9-5-61, Cl. 170—160.16.

Armstrong, Warren E., H. H. Voge, and C. R. Adams, to Shell Oil Co. Dehydrogenation in the presence of oxygen and bismuth tungstate. 2,991,322, 7-4-61, Cl. 260—680.

Armstrong, William, to Armstrong Patents Co. Ltd. Road vehicle suspension systems. 2,973,195, 2-28-61, Cl. 267—15.

Armstrong, William M., to Gallaway Mills Co. Method for producing multi-colored single yarn. 2,996,873, 8-22-61, Cl. 57—156.

Armstrong, William T. Letter holder. 2,988,231, 6-13-61, Cl. 211—50.

Armstrong, William W., to Chas. Pfizer & Co., Inc. Stable aqueous solutions of sodium phosphite, sodium formaldehyde sulfoxylate, and dihydrostreptomycin sulfate. 3,004,891, 10-17-61, Cl. 167—65.

Arnaud, Jacques: *See*—
Warnecke, Robert R., and Arnaud. 2,995,675.

Arndt, Arthur H. Torque improved internal combustion engine. 2,981,243, 4-25-61, Cl. 123—78.

Arndt, Donald N., E. S. Dahl, G. D. La Masters, and C. W. May, to Borg-Warner Corp. Fuel injection control. 2,984,232, 5-16-61, Cl. 123—179.

Arndt, Herbert E., to Habco Mfg. Co. Jet burner. 2,996,112, 8-15-61, Cl. 158—53.

Arndt, Leonhard: *See*—
Müller, Hans O. O., Arndt, and Rössler. 2,995,001.

Arndt, Rudolph P., to Anaconda Wire and Cable Co. Preparation of zinc polyesters. 2,985,624, 5-23-61, Cl. 260—75.

Arne, Christian, to Chicago Bridge & Iron Co. Storage tank. 2,975,927, 3-21-61, Cl. 220—1.

Arnes, Lyle L.: *See*—
Trautman, Walter C., Arnes, and Zimmerman. 2,973,184.

Arnes, Lyle L., to Walker Mfg. Co. Lift jack. 3,014,698, 12-26-61, Cl. 254—124.

Arnesen, Frederick M.: *See*—
Cloninger, Lamar C., and Arnesen. 3,006,830.

Arnesen, Robert F., to Raytheon Co. Balanced discriminators. 2,974,287, 3-7-61, Cl. 329—138.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Collapsible tray. 2,980,310, 4-18-61, Cl. 229—35.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Article carrier. 2,983,406, 5-9-61, Cl. 220—105.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Article carrier. 2,984,383, 5-16-61, Cl. 220—113.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Article carrier. 2,993,619, 7-25-61, Cl. 220—113.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Article carrier. 2,993,635, 7-25-61, Cl. 229—40.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Collapsible container. 3,006,522, 10-31-61, Cl. 229—5.5.

Arneson, Edwin L., to Federal Paper Board Co. Article carrier. 3,010,603, 11-28-61, Cl. 220—113.

Arneson, Edwin L., to Federal Paper Board Co., Inc. Article carrier. 3,010,604, 11-28-61, Cl. 220—113.

Arneson, Howard M., to A. L. Pansini. Adapter means for releasably connecting tools to manipulating handles. 3,011,813, 12-5-61, Cl. 287—124.

Arneson, Lawrence E., to Federal Paper Board Co., Inc. Paperboard can package. 2,985,294, 5-23-61, Cl. 206—65.

Arnett, Alfred E. Towel and/or wash cloth storing and holding means. 2,990,066, 6-27-61, Cl. 211—106.

Arnett, Charles L. Safety hook. 2,978,766, 4-11-61, Cl. 24—116.

Arnett, Leslie, and W. G. Freise, to Square Mfg. Co. Ingredient supply system for beverage dispensing apparatus. 2,978,143, 4-4-61, Cl. 222—63.

Arnett, Raymond L.: *See*—
Buell, Barry O., and Arnett. 3,010,915.

Arnett, Samuel E., and R. C. German, to The Bendix Corp. Inlet control system for supersonic aircraft. 2,997,843, 8-29-61, Cl. 60—35.6.

Arnett, Samuel E., and H. E. Starr, to The Bendix Corp. Fuel control apparatus for an internal combustion engine. 3,002,349, 10-3-61, Cl. 60—39.28.

Arnett, Samuel E., and H. E. Starr, to The Bendix Corp. Fuel control apparatus responsive to approaching engine instability. 3,006,144, 10-31-61, Cl. 60—39.28.

Arnett, Samuel E., E. G. Roberts, and R. C. German, to The Bendix Corp. Power control apparatus. 3,014,676, 12-26-61, Cl. 244—76.

Arnim, Lawrence E. Tie knot support. 2,976,591, 3-28-61, Cl. 24—56.

Arnold, Arthur F. Fish hook holder. 3,012,361, 12-12-61, Cl. 43—57.5.

Arnold, David C.: *See*—
Tasker, Homer G., Van Alstyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.

Arnold, Donovan E., and M. J. Fabbri, to Nylo-Flex Products Co. Flexible coupling. 2,994,213, 8-1-61, Cl. 64—11.

Arnold, Edward H., Jr. Fixture support. 3,009,675, 11-21-61, Cl. 248—228.

Arnold, Eldridge W.: *See*—
Gersin, Robert P., and Arnold. 3,002,629.

Arnold, Friedrich A. A. Magnetic safety barrier for aircraft landing strips. 2,984,438, 5-16-61, Cl. 244—110.

Arnold, Harold D., and J. W. Hammann, to The Emerson Electric Mfg. Co. Shaded pole motor. 3,007,068, 10-31-61, Cl. 310—172.

Arnold, Harold G. Drip tray or the like. 2,990,033, 6–27–61, Cl. 184—106.

Arnold, Harold G., to The Bauer Mfg. Co. Ladder. 3,004,625, 10–17–61, Cl. 182—228.

Arnold, Harold L., to The Skinner Chuck Co. Chuck opening and closing mechanism. 2,993,701, 7–25–61, Cl. 279—114.

Arnold, Hartmut. Drive reel for cableways. 3,008,622, 11–14–61, Cl. 226—190.

Arnold, Heinz B., to General Mills, Inc. Metallic containers. 2,994,455, 8–1–61, Cl. 220—81.

Arnold, Henry B., to Stackpole Carbon Co. Dynamoelectric brush. 2,981,698, 4–25–61, Cl. 252—506.

Arnold, Henry K., and E. R. Gurtler, to Esso Research and Engineering Co. Polymerization method. 2,999,084, 9–5–61, Cl. 260—85.3.

Arnold, Henry M. High temperature piston engines. 2,966,887, 1–3–61, Cl. 121—38.

Arnold, James C. Magnetometer. 2,990,513, 6–27–61, Cl. 324—43.

Arnold, John L., and B. G. Hofmeyer, to The Dow Chemical Co. Salt-alkylene glycol dew point depressant. 2,988,171, 6–13–61, Cl. 183—121.

Arnold, Lawrence F.: *See*—
Jones, John F., Tucker, and Arnold. 3,005,785.

Arnold, Lawrence F., to The B. F. Goodrich Co. Cross-linked nitrile polymers and method of preparation. 2,991,276, 7–4–61, Cl. 260—85.5.

Arnold, Lloyd S., Jr. Storage and dispensing device for refrigerators. 2,998,901, 9–5–61, Cl. 221—88.

Arnold, Marian H.: *See*—
Arnold Wayne R. 2,988,671.

Arnold, Nancy H.: *See*—
McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,970,947.
McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,996,499.

Arnold, Orlan M., and R. H. Harbin, to Ajem Laboratories, Inc. Method for handling overspray materials. 2,982,723, 5–2–61, Cl. 210—44.

Arnold, Oscar L. Highway slope finishing machine. 3,011,277, 12–5–61, Cl. 37—145.

Arnold, Philip H., A. B. Desnoes, T. Stearn, G. D. Stewart, and E. R. Wood, to American Telephone and Telegraph Co. Private branch exchange telephone system involving a cordless type switchboard. 2,993,095, 7–18–61, Cl. 179—27.

Arnold, Robert W., to American-Marietta Co. Sealing members and methods. 2,981,651, 4–25–61, Cl. 154—129.

Arnold, Theodore M.: *See*—
Carlisle, James V., and Arnold. 2,997,780.
Carlisle, James V., and Arnold. 3,009,239.

Arnold, Wayne R., deceased; M. H. Arnold, executrix, to Schlumberger Well Surveying Corp. Particle accelerating system. 2,988,671, 6–13–61, Cl. 315—111.

Arnoldy, Roman F. Methods of producing hardfaced surfaces. 3,000,094, 9–19–61, Cl. 29—528.

Arnot, Alfred E. R., to Lansing Bagnall Ltd. Fork lift truck. 2,997,194, 8–22–61, Cl. 214—670.

Arnot, Alfred E. R., to J. E. Shay, Ltd. Power-driven cultivating tools. 2,998,082, 8–29–61, Cl. 172—125.

Arnot, Alfred E. R., to Lansing Bagnall Ltd. Control-gear for hydraulic circuits. 3,014,344, 12–26–61, Cl. 60—52.

Arnoux Corp.: *See*—
Zeiden, Keith G. 2,981,062.

Aro Equipment Corp., The: *See*—
Culbertson, Ralph L. 2,974,673.
Hawk, Gale F., and Kiester. 2,981,434.
Hillard, Vaughn D., and Hyatt. 2,990,916.

Arola, Edward I. Fishing reel. 2,987,266, 6–6–61, Cl. 242—84.45.

Arones, Daniel A., to Advance Machine Co. Mobile floor treating machine. 2,978,719, 4–11–61, Cl. 15—49.

Aronson, Ann: *See*—
Aronson, Ben J. 2,996,854.

Aronson, Ben J., deceased, by A. Aronson, administratrix. Gluing mechanism for hanger caping device. 2,996,854, 8–22–61, Cl. 53—52.

Aronson, Theodore F.: *See*—
Halahan, John, Aronson, and Lyon. 2,984,151.
Lyon, Floyd A., and Aronson. 2,971,307.
Lyon, Floyd A., and Aronson. 2,982,070.

Aronson, Theodore F., and F. A. Lyon, to Viewlex, Inc. Speed regulating means for roll material. 2,967,025, 1–3–61, Cl. 242—75.5.

Aronson, Theodore F., and F. A. Lyon. Continuous feed banding device. 2,975,571, 3–21–61, Cl. 53—198.

Aronson, Theodore F., A. F. Kronman, and F. A. Lyon. Gummed label applying device. 2,977,016, 3–28–61, Cl. 216—37.

Aronson, Theodore F., and F. A. Lyon, to Viewlex, Inc. Area counting means for roll material. 3,010,211, 11–28–61, Cl. 33—133.

Arpin, Leon G. Speed control for automotive vehicles. 3,000,475, 9–19–61, Cl. 192—3.

Arps, Jan J. Apparatus for logging wells. 2,978,634, 4–4–61, Cl. 324—1.

Arps, Jan J. Depth measurement. 2,987,822, 6–13–61, Cl. 33—134.

Arrasmith, William C., to Radar Relay, Inc. Warning apparatus. 2,985,869, 5–23–61, Cl. 340—213.

Arrasmith, William C., to Radar Relay, Inc. Electric lamp annunciator indicating assembly. 3,007,150, 10–31–61, Cl. 340—381.

Arrigo, Joseph T., to Universal Oil Products Co. Process for polymerizing olefinic hydrocarbons. 2,987,511, 6–6–61, Cl. 260—93.7.

Arrigo, Joseph T., to Universal Oil Products Co. Synthesis of polycyclic heterocyclic compounds. 2,987,525, 6–6–61, Cl. 260—345.2.

Arrison, Robert A., Jr.: *See*—
Bigelow, John E., Arrison, and Bernstein. 2,983,819.

Arrow-Hart & Hegeman Electric Co., The: *See*—
Bentley, Robert H. 2,967,222.
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Arrow Metal Products Corp. Inc.: *See*—
Vetere, Nicholas A. 2,991,697.

Arrow Tools, Inc.: *See*—
De Frangesco, Ralph D. 2,999,407.
Veres, Edward W. 2,968,405.

Arscott, William H., to The De Havilland Engine Co. Ltd. Adjustable propulsion nozzles. 2,995,010, 8–8–61, Cl. 60—35,6.

Arslanian, Charles S., to American Can Co. Nozzle. 2,973,551, 3–7–61, Cl. 18—12.

Art Color Printing Co.: *See*—
Consaul, John G., and Veltin. 2,997,392.

Art Industries, Inc.: *See*—
Stein, Jack. 2,999,332.

Art Metal Co., The: *See*—
Dvorak, Lester I. 2,974,355.
Dvorak, Lester I. 2,975,271.

Art Metal Construction Co.: *See*—
Brandell, Nels O. 2,978,112.
Stark, Forest G. 3,002,797.

Art Woodwork Ltd.: *See*—
Bernath, Michael. 2,987,362.

Artcraft Venetian Blind Mfg. Co.: *See*—
Friedman, Jay L. 3,006,031.

Artcraft Venetian Blind Mfg. Co. of St. Louis: *See*—
Nelson, Harry. 2,982,352.
Nelson, Harry. 3,012,318.

Arter, Glenn A. Method and apparatus for minimizing flue dust collections. 2,969,047, 1–24–61, Cl. 122—379.

Arter, William, Jr., and R. G. Clouthier. One-piece combined fishing lure and can opener. 2,986,812, 6–6–61, Cl. 30—123.

Arterbury, Bryant P., 33⅓% to R. L. Arterbury. Method and apparatus for testing tubing and for scraping matter from the inner wall thereof. 2,981,331, 4–25–61, Cl. 166—4.

Arterbury, Roy L.: *See*—
Arterbury, Bryant P. 2,981,331.

Arth, Glen E., R. E. Beyler, and L. H. Sarett, to Merck & Co., Inc. 6*a*.16*a*-dimethyl-pregnenes. 3,004,994, 10–17–61, Cl. 260—397.45.

Arthen, Frank J.: *See*—
Coleman, Ralph A., Arthen, Milionis, and Foster. 3,014,908.

Arthur, Edwin P., and R. Gilmont, to Beckman Instruments, Inc., and Manostat Corp. Ultramicro electrode titration assembly. 2,968,535, 1–17–61, Cl. 23—253.

Arthur, Evan M. Pliers. 2,977,674, 4–4–61, Cl. 29—229.

Arthur, Frederick E.: *See*—
Hawley, Harold M., Arthur, and Allen. 2,996,467.

Arthur, Oscar F., to Flow Products, Inc. Pallets for handling material. 3,005,610, 10–24–61, Cl. 248—120.

Arthur, Paul, Jr., to E. I. du Pont de Nemours and Co. Manganese activated cadmium and zinc carbonate phosphors and their preparation. 2,970,115, 1–31–61, Cl. 252—301.6.

Arthur, Ralph P.: *See*—
Reck, Richard A., and Arthur. 2,982,784.

Arthur, Richard N., and K. H. Marcus, to Donnelly Mirrors, Inc. Rear view mirror for motor vehicles. 3,004,473, 10–17–61, Cl. 88—77.

Arthur, Robert A., to The Garrett Corp. Ice formation control for air conditioning systems. 2,992,542, 7–18–61, Cl. 62—156.

Arthur, Ronald H., to Royal McBee Corp. Solderless printed circuit connectors. 2,997,680, 8–22–61, Cl. 339—17.

Arthur, Ronald H., to Royal McBee Corp. Block sensing assembly. 3,001,699, 9–26–61, Cl. 235—61.11.

Arthur, Wilfred J., to E. I. du Pont de Nemours and Co. Process for the treatment of cellulosic materials to prevent deterioration and decay. 2,976,183, 3–21–61, Cl. 117—138.5.

Arthurs, Addison W.: *See*—
Javorik, Laszlo. 3,007,676.

Artia, podnik zahranicniho obchodu pro dovpz a vyvoz Kulturnich statku: *See*—
Forman, Werner. 2,972,284.

Artos Engineering Co.: *See*—
Andren, Karl H. 2,998,633.

Artru, Jean, and J. Marchal, to La Societe dite Le Magnesium Thermique ("Magnetherm"). Process of manufacing magnesium. 2,971,833, 2–14–61, Cl. 75—10.

Artype, Inc.: *See*—
Serafin, Robert F. 2,970,043.

Arutunoff, Armais, to Reda Pump Co. Gas separator for submergible motor-pump assemblies. 2,969,742, 1–31–61, Cl. 103—113.

Arutunoff, Armais, to Reda Pump Co. Combined heat exchanger and protector for submergible electric motors. 2,974,240, 3–7–61, Cl. 310—87.

Arutunoff, Armais, to Reda Pump Co. Centrifugal pressure seal for rotary shafts. 2,979,347, 4–11–61, Cl. 286—7.

Arvey Corp.: *See*—
Johnson, Arnold E., and Peretti. 3,000,124.

Arvidson, Bengt A., to Miller Wrapping & Sealing Machine Co. Wrapping machine. 2,981,043, 4–25–61, Cl. 53—206.

Arvidson, Bengt A., to Miller Wrapping & Sealing Machine Co. Package handling mechanism. 2,994,171, 8–1–61, Cl. 53—245.

Arvidson, Bengt A., to Miller Wrapping & Sealing Machine Co. Resilient stripping device for intermittently actuated cutter. 3,013,458, 12–19–61, Cl. 83—134.

Arvidson, Harold C., Jr., and N. Blake, to E. I. du Pont de Nemours and Co. Stabilization of elastomers containing ureylene groups. 2,999,839, 9–12–61, Cl. 260—45.9.

Arvin Industries, Inc.: *See*—
Boardman, Lester R., and Stambaugh. 2,998,663.
Dollens, James R. 3,009,484.
Hooker, Robert P. 2,997,198.
Moore, Ezra L., and Hammond. 2,986,138.
Scheitlin, George E., and Julbert. 2,995,982.
Wintermute, Glenn E., Smith, and Leben. 3,012,926.

Arz, Walter, to Gesellschaft fuer Linde's Eismaschinen A.G. Zweigniederlassung Gueldner-Motoren-Werke in Aschaffenburg. Hydraulic transmission. 2,975,597, 3–21–61, Cl. 60—53.

Arzapalo, Richard A., to McGraw-Edison Co. Circuit interrupting devices. 3,005,074, 10–17–61, Cl. 200—120.

Arzberger, William A., R. H. Swart, Sr., and E. F. Rauscher, to Carrier Corp. Air distribution system for a food display case. 3,010,379, 11–28–61, Cl. 98—36.

Asadorian, Arthur A., to The Dow Chemical Co. Selective bromination of benzene. 2,979,537, 4–11–61, Cl. 260—650.

Asadorian, Arthur A., and G. A. Burk, to The Dow Chemical Co. Process for the preparation of aliphatic bromides. 2,979,540, 4–11–61, Cl. 260—654.

Asadorian, Arthur A., and G. A. Burk, to The Dow Chemical Co. Preparation of alkyl bromides. 3,000,980, 9–19–61, Cl. 260—658.

Asahi Kasei Kogyo Kabushiki Kaisha: *See*—
Arita, Hideo, and Kusaka. 3,014,782.

Asai, Toshinobu: *See*—
Tsuda, Kyosuke, Asai, Iizuka, Tanaka, Nakamura, Okazaki, Shirasaka, and Naito. 2,993,839.

Asakawa, George: *See*—
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Vernet, Sergius, Corwin, and Asakawa. 3,001,401.

Asano, Kosuke: *See*—
Watanabe, Koichi, Asano, and Hara. 2,970,708.

Asari, Kumaki: *See*—
Sato, Kenshun, and Asari. 2,981,252.

Aschauer, George R., to Twin Disc Clutch Co. Hydraulically actuated friction clutch. 3,007,562, 11–7–61, Cl. 192—113.

Ascher, Otto: *See*—
Krenzer, Josef, and Ascher. 2,991,437.

Aseptic Thermo Indicator Co.: *See*—
Huyck, Willard M., and Romito. 2,998,306.
Huyck, Willard M., and Romito. 3,006,313.

Asfour, Emil S., and E. D. Zloe. Retractable anchorage-type fastener. 2,988,855, 6–20–61, Cl. 50—478.

Ash, Alvin G.: *See*—
Rasmussen, William B. 2,980,302.

Ash, Arthur: *See*—
Lodge, George C. O. 3,012,477.

Ash, Bertrand D.: *See*—
Lynn, John W., and Ash. 3,008,992.

Ash, Charles S. Demountable-rim differential dual wheel construction. 2,988,400, 6–13–61, Cl. 301—36.

Ash, Charles S. Double-disc vehicle brake. 3,003,590, 10–10–61, Cl. 188—73.

Ash, Clark W., and A. A. van Ginkel-Ondrus. Parking means for automobiles and the like. 3,003,571, 10–10–61, Cl. 180—1.

Ash, William J., ½ to E. J. Bean Ltd. Bollards or like mooring devices. 2,990,801, 7–4–61, Cl. 114—218.

Ashbaker, Charles A., to Allis-Chalmers Mfg. Co. Submerged arc welding apparatus. 2,972,042, 2–14–61, Cl. 219—126.

Ashby, Bruce A.: *See*—
Gruenhagen, Richard H., Ashby, Britton, and Horsley. 2,971,884.

Ashby, Clarence E., S. P. Foster, and E. T. Pieski, to E. I. du Pont de Nemours and Co. Process for coupling polyolefins. 2,993,882, 7–25–61, Cl. 260—94.9.

Ashby, Edward P., Jr. Invalid handling device for bathtubs. 2,968,814, 1–24–61, Cl. 4—185.

Ashby, Eugene C., to Ethyl Corp. Preparation of sodium hydrocarbon boron compounds. 3,007,970, 11–7–61, Cl. 260—606.5.

Ashby, Robert M., and J. A. Marsh, to North American Aviation, Inc. Conical scan monopulse radar system. 3,014,214, 12–19–61, Cl. 343—11.

Ashby, Ronald J.: *See*—
Bates, Oswald R., and Ashby. 2,990,134.

Ashby, William C., to Remington Arms Co., Inc. Shot shell packing machine. 2,972,217, 2–21–61, Cl. 53—374.

Ashcraft, Elmer B.: *See*—
Roberts, William L., and Ashcraft. 2,969,474.

Ashe, Herbert J. Electric lanterns. 2,983,812, 5–9–61, Cl. 240—10.66.

Ashe, John M.: *See*—
Malloy, John E. 2,969,034.

Ashe, John M. Apparatus for making waistband. 2,972,317, 2–21–61 Cl. 112—147.

Ashe, John M., 20% to J. Lipsey. Control for textile machine. 2,989,796, 6–27–61, Cl. 28—51.

Ashe, John M., and C. S. Ost; said Ost assor. of 35% to said Ashe. Magnetic latch opener and demagnetizer. 2,997,866, 8–29–61, Cl. 66—111.

Ashe, Stanly: *See*—
Malloy, John E. 2,969,034.

Ashenfelter, William K. Scaffold horse. 2,980,201, 4–18–61, Cl. 182—184.

Asher, Eldon L., C. E. Folwell, and J. A. Meldgaard, to S. C. Johnson & Son, Inc. Code marker. 3,003,241, 10–10–61, Cl. 33—32.

Asherman, Charles D.: *See*—
Mickelson, Cedric G., and Asherman. 2,970,903.

Ashkenaz, David M., to American Home Products Corp. Analgesic compositions and method. 2,987,438, 6–6–61, Cl. 167—52.

Ashkenaz, David M., to American Home Products Corp. Jet stream dispenser. 2,995,308, 8–8–61, Cl. 239—302.

Ashkin, Arthur, to Bell Telephone Laboratories, Inc. Low noise amplifier. 3,009,078, 11–14–61, Cl. 315—3.

Ashkin, Arthur, J. P. Gordon, and L. D. White, to Bell Telephone Laboratories, Inc. Molecular beam maser. 3,013,218, 12–12–61, Cl. 331—94.

Ashland Oil & Refining Co.: *See*—
Paulsen, Thorwell H. 2,998,457.

Ashley, Carlyle M., to Carrier Corp. Method of blanching food products. 2,978,325, 4–4–61, Cl. 99—1.

Ashley, Carlyle M., to Carrier Corp. Method and apparatus of rendering saline water potable. 3,012,409, 12–12–61, Cl. 62—58.

Ashley, George C., to United States of America, Army. Safety door latch. 3,014,440, 12–26–61, Cl. 110—179.

Ashley, Glen W., Jr.: *See*—
Guthrie, John M., Bonk, Allardt, Ashley, Burkheimer, and Smith. 3,010,677.

Ashley, Howard J. Changeable display sign. 2,976,634, 3–28–61, Cl. 40—125.

Ashley Machine Co., The: *See*—
McKinley, Robert W., and Ernstes. 2,991,497.

Ashlock, Alma E.: *See*—
Ashlock, George W., Jr. 3,013,596.

Ashlock, George W., Co.: *See*—
Ashlock, George W., Jr. 3,013,596.

Ashlock, George W., Jr., deceased, by A. E. Ashlock, legal representative, to George W. Ashlock Co. Pitted date slicer. 3,013,596, 12–19–61, Cl. 146—98.

Ashman, Charles S., B. H. L. James, and M. T. Stockford, to North American Philips Co., Inc. Transformer. 2,975,358, 3–14–61, Cl. 323—51.

Ashton, Albert A., to The Youngstown Sheet and Tube Co. Offshore drilling rig. 3,011,318, 12–5–61, Cl. 61—46.5.

Ashton, Benjamin N., E. Rawding, and H. Von Pessler, to Electrol Inc. Power pack unit. 2,988,004, 6–13–61, Cl. 103—41.

Ashton, George H., to Bemis Bro. Bag Co. Bags. 3,004,698. 10–17–61, Cl. 229—62.5.

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Horne, Donald S., Ashton, and Kepkay. 2,999,347.
Horne, Donald S., Ashton, and Kepkay. 2,999,556.

Ashwood, George A., to United States of America, Navy. Fluid flow indicators. 2,970,561, 2–7–61, Cl. 116—117.

Ashworth, Fred, to Metropolitan-Vickers Electrical Co., Ltd. Manufacture of printed electrical circuits or components. 2,981,611, 4–25–61, Cl. 41—43.

Ashworth, Fred, and J. R. Ioannilli, to United Shoe Machinery Corp. Shoe sewing machines. 2,972,316, 2–21–61, Cl. 112—36.

Ashworth, Fred, and A. J. Knowles, to Metropolitan-Vickers Electrical Co. Ltd. Magnetic signal carriers. 2,999,766, 9–12–61, Cl. 117—94.

Ashworth, Fred, and J. R. Ioannilli, to United Shoe Machinery Corp. Shoe sewing machines. 3,002,475, 10–3–61, Cl. 112—60.

Ashworth, Frederick H.: *See*—
Lortz, Don C., and Ashworth. 3,012,370.

Ashworth, Winthrop F., to United-Carr Fastener Corp. Locking fastener. 2,979,356, 4–11–61, Cl. 292—317.

Ashworth, Winthrop F., to United-Carr Fastener Corp. Locking fastener. 3,012,807, 12–12–61, Cl. 292—321.

Asinger, Friedrich, M. Thiel, and H. Hauthal, to VEB Leuna-Werke Walter Ulbricht. Process for the preparation of Δ-3,4-thiazolines. 3,004,981, 10–17–61, Cl. 260—306.7.

Askam, John F.: *See*—
Barber, Ronald J., and Askam. 3,014,521.

Askania Regulator Co.: *See*—
Reip, Raymond G. 3,011,505.

Askania-Werke A.G.: *See*—
Dobberstein, Heinz. 2,968,736.
Haalck, Fritz. 2,978,906.
Harth, Carlo. 3,002,417.
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Steglich, Kurt. 2,968,220.

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Aske, Charles B., Jr., to Gar Wood Industries, Inc. Wheel trim and multi-color tire trim construction. 2,996,334, 8–15–61, Cl. 301—37.

Aske, Charles B., Jr., to Gar Wood Industries, Inc. Wheel and tire trim construction. 2,996,335, 8–15–61, Cl. 301—37.

Aske, Charles B., Jr., to Gar Wood Industries, Inc. Tire trim-wheel trim auxiliary anchorage means. 3,000,672, 9–19–61, Cl. 301—37.
Aske, Leonard E., to Minneapolis-Honeywell Regulator Co. Slip ring construction. 3,005,173, 10–17–61, Cl. 339—8.
Aske, Vernon H. Variable permeability magnetic circuit. 2,976,478, 3–21–61, Cl. 323—56.
Aske, Vernon H., to Minneapolis-Honeywell Regulator Co. Inertial instruments. 2,978,910, 4–11–61, Cl. 73—515.
Askerneese, Wilby. Remote control extension. 2,979,624, 4–11–61, Cl. 307—38.
Askevold, Robert J., to The Pure Oil Co. Wave breaking device. 2,972,233, 2–21–61, Cl. 61—5.
Askevold, Robert J., to The Pure Oil Co. Static electricity sensing and control means. 3,013,578, 12–19–61, Cl. 137—487.5.
Askue, Albert R., to The Cleveland Trencher Co. Excavating machine. 2,981,013, 4–25–61, Cl. 73—94.
Askue, Albert R., to The Cleveland Trencher Co. Excavating machine. 2,995,844, 8–15–61, Cl. 37—97.
Askue, Albert R., to The Cleveland Trencher Co. Discharge mechanism. 2,996,168, 8–15–61, Cl. 198—126.
Askvold, Bjarne G. K. H. Lipstick holders. 2,983,370, 5–9–61, Cl. 206—56.
Aslund, Ivan, and F. G. Tillander, to Aktiebolaget Bofors. Non-recoiling gun. 2,983,195, 5–9–61, Cl. 89—1.7.
Asman, Norman J., to American Can Co. Dispensing carton. 3,002,673, 10–3–61, Cl. 229—17.
Asp, Nils A. R., to Aktiebolaget Abjorn Anderson. Apparatus for automatically loading bags on a pallet. 2,977,002, 3–28–61, Cl. 214—6.
Aspden, Harold, P. F. Abbink-Spaink, and J. Willis, to The English Electric Co. Ltd. Electrical phase angle comparators. 3,009,107, 11–14–61, Cl. 324—83.
Aspden, Robert G., to Westinghouse Electric Corp. Iron-silicon magnetic sheets. 2,992,951, 7–18–61, Cl. 148—111.
Aspeek, Reginald J. Automatic closure device for glad-hand couplings. 2,996,314, 8–15–61, Cl. 284—7.
Aspelin, Leslie L., to Thompson Ramo Wooldridge Inc. Pump assembly for a fuel system. 3,007,513, 11–7–61, Cl. 158—36.4.
Aspenberg, Erik V., to Aktiebolaget Svenska Jarnvagsverkstaderna. Device in two-axied carriages. 2,996,018, 8–15–61, Cl. 105—3.
Asplund, Arne J. A.: *See*—
Johansson, Sven H. 2,971,704.
Asplund, Robert K.: *See*—
Lo Fiego, Louis, Asplund, and Smith. 2,972,305.
Asplund, Robert K., to Bermite Powder Co. Multi-stage igniter charge. 2,995,088, 8–8–61, Cl. 102—70.
Asproyerakas, Minos J., to J. E. Glyman. Rack comprised of tubular members integrally joined by reinforcing means. 2,982,422, 5–2–61, Cl. 211—134.
Assalini, Giuseppe, to Rohm & Haas Co. Ion exchange process. 2,971,868, 2–14–61, Cl. 127—46.
Assmus, Fritz, R. Boll, K. Detert, D. Ganz, G. Ibe, and F. Pfeifer, to Vacuumschmelze Aktiengesellschaft. Method of manufacturing magnetic sheets. 2,992,952, 7–18–61, Cl. 148—111.
Associated Automation Ltd.: *See*—
Hall, Frederick W., and Young. 2,998,490.
Wapling, George A., and Donetti. 3,006,521.
Associated Electrical Industries Ltd.: *See*—
Allibone, Thomas E. 3,005,703.
Choudhury, Shafi-Uddin A., and Whitcroft. 2,973,467.
Craig, Robert D. 2,981,839.
Craig, Robert D. 2,993,992.
Craig, Robert D. 2,995,658.
Craig, Robert D. 2,995,659.
Lock, Tom. 3,013,238.
Penn, Alan W. 3,010,285.
Raine, Thomas, and Robinson. 3,004,849.
Associated Lead Manufacturers Ltd.: *See*—
Read, Norman J. 3,014,000.
Associated Spring Corp.: *See*—
Beckwith, John B. 2,977,109.
De Jean, Don C. 2,991,064.
Dominic, Ivan V. 2,972,494.
Johnson, William R. 3,002,865.
Waite, David E. 3,012,802.
Associates Discount Corp.: *See*—
Reitz, Robert J. 2,967,084.
Astatic Corp., The: *See*—
Burdick, Robert R., and Punkar. 3,006,651.
Jacque, James M. 2,980,811.
Jacque, James M. 3,000,639.
Jacque, James M. 3,001,031.
Kelly, Paul V., and McKee. 2,983,518.
Paull, Charles F., and Chorpenning. 3,007,013.
Ross, James. 2,991,331.
Astheimer, Robert W., to Barnes Engineering Co. Scanning detector and electric processing system. 3,003,026, 10–3–61, Cl. 178—7.1.
Astheimer, Robert W., to Barnes Engineering Co. Infrared dimensional gage. 3,003,064, 10–3–61, Cl. 250—83.3.
Astheimer, Robert W., and R. F. Leftwich, to Barnes Engineering Co. Contrast radiometer with background elimination. 3,012,473, 12–12–61, Cl. 88—23.
Astivia, Lorenzo. Anti-glare head lights of two sections forming one unit. 2,994,006, 7–25–61, Cl. 313—1.
Astle, Melvin J., to Harris-Intertype Corp. Hydrophilic surface. 2,991,204, 7–4–61, Cl. 148—6.
Astle, Raymond E.: *See*—
Cagle, Toby T. 2,997,138.
Astleford, John J., Jr., T. P. Henry, and M. G. Leonard, to Westinghouse Electric Corp. Circuit breaker. 2,994,753, 8–1–61, Cl. 200—106.
Astrahan, Morton M., to International Business Machines Corp. Information record reading system. 2,994,853, 8–1–61, Cl. 340—173.
Astrahan, Morton M., W. L. Batchelor, B. Housman, H. L. Kurkjian, and B. L. Sarahan, to International Business Machines Corp. Signal storage system. 3,012,227, 12–5–61, Cl. 340—172.5.
Astro-Dome, Inc.: *See*—
Paulson, John O. 2,996,844.
Astrup Co., The: *See*—
Koslo, Robert C. 2,971,619.
Atag-Trust: *See*—
Aust, Edmundo M. 2,998,106.
Atalla, Anwar A., to The Torrington Mfg. Co. Blower unit and motor supporting means for use therein. 2,975,960, 3–21–61, Cl. 230—117.
Atalla, Anwar A., to The Torrington Mfg. Co. Blower unit. 2,976,352, 3–21–61, Cl. 230—117.
Atalla, Martin M., and E. E. La Bate, to Bell Telephone Laboratories, Inc. Semiconductor contact. 2,973,466, 2–28–61, Cl. 317—240.
Atanasoff, John V., and S. Legvold. Method and apparatus for sweeping a mine. 2,967,504, 1–10–61, Cl. 114—235.
Atanasoff, John V., and A. Carnvale. Microbarophone. 3,000,215, 9–19–61, Cl. 73—398.
Atchison, Byron L. Portable shelter. 2,980,124, 4–18–61, Cl. 135—1.
Atchison, Fred S., to United States of America, Navy. Energy decoupling of closely spaced radar antenna horns. 2,989,747, 6–20–61, Cl. 343—776.
Atchison, Leonard W., to General Electric Co. Air conditioning arrangement for relatively high roofed building structures. 2,975,615, 3–21–61, Cl. 62—263.
Atchison, Leonard W., to General Electric Co. Room air conditioner condensate disposal arrangement. 2,979,918, 4–18–61, Cl. 62—275.
Atchison, Robert A.: *See*—
Cohen, Charles L., and Atchison. 3,002,292.
Atchison, Robert A., and G. R. Sowter, to ACF Industries, Inc. Engine start simulation. 3,012,338, 12–12–61, Cl. 35—12.
Atchison, Topeka & Santa Fe Railway Co., The: *See*—
Miller, Donald E., and Frank. 2,973,724.
Atchley, Frank W. Lighter structure. 2,978,889, 4–11–61, Cl. 67—7.1.
Atchley, Raymond D., to American Brake Shoe Co. Actuator. 2,996,072, 8–15–61, Cl. 137—83.
Atchley, Raymond, Inc.: *See*—
Atchley, Raymond D. 2,996,072.
Ateliers de Construction Emile D'Hooge, Societe de Personnes a responsabilite limitee: *See*—
D'Hooge, Emile. 2,966,786.
Ateliers de Constructions Electriques de Charleroi: *See*—
Braeckman, Fernand. 2,978,530.
Cuvelier, Jean J. 2,981,794.
Ateliers de la Motobecane, Societe Anonyme Francaise: *See*—
Jaulmes, Eric. 2,986,043.
Jaulmes, Eric. 2,998,471.
Ateliers des Charmilles S. A.: *See*—
Culaud, André. 2,996,995.
Mironoff, Nicolas. 2,989,616.
Pfau, Jean. 2,978,616.
Pfau, Jean. 2,991,758.
Ateliers et Chantiers de Bretagne (Anciens ets. de la Brosse et Fouche): *See*—
Kummerman, Henri. 2,979,007.
Ateliers G.S.P.: *See*—
Pegard, Pierre. 2,976,962.
Ateliers Pingris & Mollet-Fontaine Reunis (Societé Anonyme): *See*—
Guinot, Henri M. 2,972,512.
Ateliers Roannais De Constructions Textiles: *See*—
Rochegude, Louis V. M. 2,973,155.
Atha, Floyd L. Face shield. 2,978,709, 4–11–61, Cl. 2—9.
Athens Plow Co.: *See*—
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Atherholt, George L., Sr., to A & C Engineering Co. Hydraulically expansible arbor. 2,971,765, 2–14–61, Cl. 279—4.
Atherton, Neil F., to Blackhawk Mfg. Co. Ram assemblage. 2,987,046, 6–6–61, Cl. 121—38.
Atherton, Neil F., and D. W. Sessody, to Applied Power Industries, Inc. Quickly extendable mechanical jack. 3,013,772, 12–19–61, Cl. 254—99.
Atkeson, Florian V., to Pittsburgh Plate Glass Co. Protection of surfaces. 2,992,747, 7–18–61, Cl. 214—10.5.
Atkin, Owen W., to American Nuclear Shield Corp. Building materials. 3,006,777, 10–31–61, Cl. 106—97.
Atkin, Rupert L.: *See*—
Sinclair, Charles W., and Atkin. 2,969,825.
Sinclair, Charles W., and Atkin. 3,007,553.
Sumner, Charles H., and Atkin. 3,003,598.
Atkin, Rupert L., to Kelsey-Hayes Co. Wheel and brake drum assembly. 3,004,795, 10–17–61, Cl. 301—6.
Atkin, Rupert L., to Kelsey-Hayes Co. Wheel and brake drum assembly. 3,004,796, 10–17–61, Cl. 301—6.

Atkins, Carl E., to Tung-Sol Electric Inc. Oscillator control circuit. 2,974,292, 3–7–61, Cl. 331—145.

Atkins, Ina C. Foam necklet. 3,008,464, 11–14–61, Cl. 128—24.

Atkins, Robert C., to E. I. du Pont de Nemours and Co. Concentrated silica aquasols of low viscosity and their preparation. 3,012,973, 12–12–61, Cl. 252—313.

Atkinson, Alan M., and M. L. Schat. Means for loading oil on vessels and discharging oil therefrom. 2,984,198, 5–16–61, Cl. 114—74.

Atkinson, Edward R., J. G. Mark, and D. Rubinstein, to W. R. Grace & Co. Method of purifying styrene. 2,973,394, 2–28–61, Cl. 260—669.

Atkinson, Edward R., J. G. Mark, and D. Rubinstein, to W. R. Grace & Co. Method of purifying diolefins. 2,973,396, 2–28–61, Cl. 260—681.5.

Atkinson, George E., to The Black and Decker Mfg. Co. Universal shoe for reciprocating saw. 2,998,830, 9–5–61, Cl. 143—68.

Atkinson, George H., to Pittsburgh Plate Glass Co. Production of calcium silicate. 2,980,644, 4–18–61, Cl. 260—41.5.

Atkinson, George H., and F. Strain, to Pittsburgh Plate Glass Co. Process of preparing siliceous pigments. 2,995,422, 8–8–61, Cl. 23—110.

Atkinson, Guy F., Co.: *See*—
Spencer, Donald B. 2,988,966.

Atkinson, James T. N., to Her Majesty the Queen in the right of Canada, as represented by the Minister of National Defence. Electro-plating of metals. 3,003,933, 10–10–61, Cl. 204—49.

Atkinson Mfg. Co.: *See*—
Atkinson, Truman L. 2,969,155.

Atkinson, Richard L., to Atkinson's Agricultural Appliances Ltd. Machinery guards. 2,976,703, 3–28–61, Cl. 64—4.

Atkinson, Richard M., and A. J. Shaler, to Stackpole Carbon Co. Titanium carbide-silver compositions. 2,998,641, 9–5–61, Cl. 29—182.8.

Atkinson, Truman L., to Atkinson Mfg. Co. Locking joint for racks. 2,969,155, 1–24–61, Cl. 211—177.

Atkinson, Vernon T.: *See*—
Moore, Robert B., and Atkinson. 3,006,729.

Atkinson, Vernon T., to Phillips Petroleum Co. Regeneration of copper ammonium salt solution. 3,006,717, 10–31–61, Cl. 23—2.

Atkinson, William G., to Somerville Ltd. End closures for containers. 2,986,322, 5–30–61, Cl. 229—34.

Atkinson's Agricultural Appliances Ltd.: *See*—
Atkinson, Richard L. 2,976,703.

Atkron, Inc.: *See*—
Copping, Bruce G. 3,011,667.

Atlanta Oak Flooring Co.: *See*—
Johnsa, Berry H. 2,969,816.

Atlantic Machine Tool Works, Inc.: *See*—
Kobles, Frank P. 2,997,218.

Atlantic Refining Co., The: *See*—
Barkis, Edward. 3,003,957.
Beggs, William S. 3,014,002.
Birkhimer, Edwin R. 2,978,419.
Bonetti, Giovanni A. 3,000,972.
Bonetti, Giovanni A., and Keenan. 2,986,576.
Condo, Albert C., Jr., and Hunter. 2,970,105.
Condo, Albert C., Jr., Hunter, and Young. 2,994,595.
Connor, James E., Jr., and Shipley. 2,989,488.
Fowle, Merrill J., Pitts, and Aristoff. 2,990,364.
Hariu, Oscar H., and Woodbridge. 2,989,572.
Hartung, Harold A. 3,007,880.
Jakaitis, Eugene A. 2,967,781.
Keenan, Vincent J. 3,007,831.
Leum, Leonard N., and Connor. 2,967,819.
Leum, Leonard N., and Connor. 2,976,332.
MacNeill, James C. 2,985,543.
Russell, Donald H. 3,011,989.
Slobod, Robert L., and Koch. 2,968,350.
Wheelet, Edward S., and Ellis. 3,000,905.
Winchell, Bryant C. 3,013,872.
Woods, John P., and Prickett. 2,982,371.
Young, William S., Condo, Hunter, and Iserson. 3,007,783.

Atlantic Research Corp.: *See*—
Marshall, Frank R. 2,995,904.
Rice, Millard L., and Barnes. 2,978,879.
Rumbel, Keith E., and Cohen. 2,997,375.
Scurlock, Arch C. 3,014,427.
Terek, Joseph A., and Stewart. 2,986,831.
Well, Lester L. 2,967,098.

Atlantic Spring Products Co.: *See*—
Winikoff, Harold. 2,992,443.

Atlantic Steel Co.: *See*—
Patterson, Walter G. 3,000,589.

Atlantic Surgical Co., Inc.: *See*—
Berger, Leon. 2,971,510.

Atlantic Wire and Cable Corp.: *See*—
Exton, Norman. 2,976,593.

Atlas Boiler & Equipment Co.: *See*—
Peterson, John L. 3,011,658.

Atlas Chemical Industries, Inc.: *See*—
Barker, George E., and Hurst. 3,002,923.
Cox, Fred W., Jr., and Roemer. 2,997,378.
Gabuzda, George E. 3,011,690.
Lawrence, Joseph W., and Junk. 3,012,851.
Woods, George E. 3,012,047.

Atlas Copco Aktiebolag: *See*—
Holdo, Jan K. 3,010,431.

Atlas E-E Corp.: *See*—
Mowatt, Allan Q. 3,005,036.

Atlas General Industries, Inc.: *See*—
Pierce, Chester J., Jr. 3,008,384.
Pierce, Chester J., Jr. 3,008,385.

Atlas Pipe Inc.: *See*—
Taylor, William B., and Griffin. 2,980,451.

Atlas Powder Co.: *See*—
Barlow, Lester P. 2,999,459.
Hartmann, Ludwig A. 2,977,291.
Hay, Horace E. 2,994,244.
Huyett, Daniel D. 2,966,820.
Jeffries, John M. 2,978,947.
Kasehagen, Leo. 2,968,680.
Kincaid, George F., Douglas, and Gay. 2,999,912.
Lawrence, Joseph W., and Junk. 2,969,354.
Rudkin, George O., Jr., Wilson, and Dunn. 2,994,674.
Vinson, Donald R. 2,977,022.
Wiit, Paul E., III, and Nelson. 2,968,541.
Zech, John D. 2,993,887.
Zech, John D., and Hurst. 2,996,450.

Atlas-Werke Aktiengesellschaft: *See*—
Kletz, Hans. 3,005,973.
Kletz, Hans. 3,013,247.
Taubert, Rolf. 3,014,128

Atman, Jay W., and H. G. Hall; said Atman assor. to Aluminum Co. of America. Hand tool for applying and removing line connector clamps. 2,986,053, 5–30–61, Cl. 81—53.1.

Atobe, Yoriyasu: *See*—
Sakano, Takeshi, Masuda, Toda, and Atobe. 2,982,705.

Atohm Electronics: *See*—
Elliott, George H. 2,982,931.

Atomic Energy of Canada Ltd.: *See*—
Biefer, Gregory J., and Krenz. 2,977,260.
Evans, Edward J. 3,000,072.
Haywood, Leslie R. 2,971,089.
Michand, Gaetan G. J., and Boucher. 3,010,825.
Mooradian, Ara J. 2,991,148.
Runhalls, Oliver J. C. 2,987,393.
Tunnicliffe, Philip R., Siddall, Berry, and Whittaker. 3,001,923.
Tunnicliffe, Philip R., Whittier, and Wikhammer. 2,998,519.
Watson, Robert D. 2,987,352.
Winter, Eric E., and Russell. 2,990,254.

Ator, Joe T., W. P. Chase, M. G. Dreyfus, J. F. Harrah, and D. I. Harris, to General Precision, Inc. Detecting apparatus. 2,987,182, 6–6–61, Cl. 209—111.

Attewell, Oliver G., to McGraw-Edison Co. Method of magnetic core construction. 3,003,226, 10–10–61, Cl. 29—155.61.

Attridge, Curtis C.: *See*—
Shaffer, Robert A., and Attridge. 3,002,847.

Attwood, Charles W. Roofing. 2,990,650, 7–4–61, Cl. 50—212.

Attwood, Charles W. Box or package conveyor. 2,990,929, 7–4–61, Cl. 193—35.

Atvidabergs Industrier: *See*—
Stenudd, Sven G. V. 2,969,498.

Atwater, Arthur R., and E. M. Julich, to Bell Telephone Laboratories, Inc. Gold plating solutions. 2,978,390, 4–4–61, Cl. 204—46.

Atwater, Norman W.: *See*—
Colton, Frank B., and Atwater. 3,012,045.

Atwater, Norman W., to G. D. Searle & Co. 17 β-hydroxy-4-oxaandrostan-3-ones and derivatives thereof. 2,973,370, 2–28–61, Cl. 260—343.2.

Atwater, Norman W., to G. D. Searle & Co. 6-alkylidenestra-1,3,5(10)-triene-3,17β-diols and derivatives thereof. 2,974,151, 3–7–61, Cl. 260—397.4.

Atwater, Thomas V., Jr., J. L. Cox, and L. H. Muesing, to U. O. Colson Co. Foldable display device. 3,007,268, 11–7–61, Cl. 40—124.1.

Atwell, Everett C., to Burlington Industries, Inc. Process for treating yarns, filaments and fibers. 2,988,799, 6–20–61, Cl. 28—72.

Atwell, Harold V.: *See*—
Clarke, Louis A., Ludeman, and Atwell. 3,010,813.
Patterson, John A., and Atwell. 2,993,931.

Atwell, Harold V., to Texaco Inc. Manufacture of synthesis gas. 2,992,907, 7–18–61, Cl. 48—212.

Atwell, Harold V., to Texaco Inc. Gasification of solid carbonaceous materials. 3,009,795, 11–21–61, Cl. 48—206.

Atwell, William J.: *See*—
Moore, Robert L., and Atwell. 2,985,918.

Atwood, Doris S. Carpet fastener strip. 2,990,565, 7–4–61, Cl. 16—6.

Atwood, Giles K. Table game. 3,001,791, 9–26–61, Cl. 273—30.

Atwood, Hyatt B., to Herr Mfg. Co., Inc. Spinning rings. 3,013,377, 12–19–61, Cl. 57—120.

Atwood, John L., R. H. Cannon, Jr., J. M. Johnson, Jr., and G. M. Andrew, to North American Aviation, Inc. Gust alleviation system. 2,985,409, 5–23–61, Cl. 244—77.

Atwood, Kenneth F., A. K. Long, and O. F. Shobe, to The Glidden Co. Metal primers and coating compositions modified with lower alkyl esters of unsaturated aliphatic acids. 2,978,424, 4–4–61, Cl. 260—19.

Atwood, Lamar T., to Hudson Pulp & Paper Corp. Bag handle and the like. 2,987,239, 6–6–61, Cl. 229—52.

Atwood, Lamar T., to Hudson Pulp & Paper Corp. Bags. 3,000,551, 9–19–61, Cl. 229—62.5.

Atwood, Rawson, and C. C. L'Allemand. Bobbin for dacron filaments. 2,983,466, 5-9-61, Cl. 242—118.31.

Atwood, Seth B.: *See*—
Patzer, William A. 2,967,452.

Atzberger, Frank. Brake gauge. 2,972,192, 2-21-61, Cl. 33—180.

Aubert, Marcel. Rotary slide rule interval indicator. 3,010,650, 11-28-61, Cl. 235—88.

Aubert, Maurice, and E. Miquelis. Electronic intensifying ear-drum. 2,967,913, 1-10-61, Cl. 179—107.

Aubert, Michel C., to Frame S.A. Dish washing machine. 2,967,024, 1-3-61, Cl. 239—261.

Aubrey, Duane R.: *See*—
Petrie, Adelore F., and Aubrey. 3,006,430.

Aubry, Richard M., and J. R. Welling, to Owens-Illinois Glass Co. Removing temporary seals from containers. 2,995,883, 8-15-61, Cl. 53—381.

Auburn Hosiery Mills, Inc.: *See*—
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Auburn Spark Plug Co., Inc.: *See*—
Battey, Alexander J., and Nolin. 3,006,405.
Battey, Alexander J., and Riffle. 3,011,542.

Audemar, Pierre, to Societe Alsacienne de Constructions Mecaniques. Encapsulating device for expanders, compressors or the like. 3,011,694, 12-5-61, Cl. 230—146.

Audet, Joseph G.: *See*—
Fox, Clarence D., and Audet. 2,996,741.

Audette, Richard R., to Koppers Co., Inc. Acoustic absorber. 2,990,906, 7-4-61, Cl. 181—50.

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Radocy, Frank. 3,007,807.

Audio Mechanical Devices, Inc.: *See*—
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Audran, Roger G. L., to Eastman Kodak Co. Apparatus for incorporating fluids into liquids. 2,996,287, 8-15-61, Cl. 259—11.

Audrieth, Ludwig F., to Stauffer Chemical Co. Methods of making clay products and improved clay products. Re. 25,055, 10-17-61, Cl. 106—73.

Auer, Edwin, K. Lehnert, O. Mutter, and O. and W. Kopp. Carriage-like rack for use in the manufacture of shoes. 2,989,188, 6-20-61, Cl. 211—34.

Auer, John H., Jr.: *See*—
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Auer, Laszlo, and L. L. Balassa, to J. R. Geigy A.-G. Textile pigment printing compositions. 2,991,260, 7-4-61, Cl. 260—22.

Auer, Peter L.: *See*—
Sharbaugh, Amandus H., and Auer. 2,992,406.

Auerbach, Bertram J.: *See*—
Geldern, Fred H., Auerbach, and Rogers. 2,990,252.

Auerbach, Bertram J., and H. J. Rogers, to Nopco Chemical Co. Process for producing foamed resinous materials. 2,990,380, 6-27-61, Cl. 260—2.5.

Auerbach, Morris E., and R. S. Browning, to Sterling Drug Inc. Test composition for determining the concentration of quaternary ammonium compounds in aqueous solution. 2,979,468, 4-11-61, Cl. 252—408.

Auerbacher, George N., to Champlain Co., Inc. Multicolor printing on a continuous web. 2,972,297, 2-21-61, Cl. 101—181.

Augenstein, Helmut, to Jewel Case Corp. Hinge and box assembly. 2,969,165, 1-24-61, Cl. 220—35.

Augenstein, Karl C., to Speidel Corp. Telescopic expansible linkage having transversely positioned coil springs. 2,986,871, 6-6-61, Cl. 59—79.

Augenstein, Karl C., to Speidel Corp. Detachable sheet metal link and linkage formed therefrom. 2,998,697, 9-5-61, Cl. 59—80.

Auger, Diana J., and H. J. Graham. Flow measuring system. 2,981,104, 4-25-61, Cl. 73—189.

Augsburger, Herbert M., to Owens-Illinois Glass Co. Unintentional ground detection for glass melting furnace provided with electric heating. 2,984,829, 5-16-61, Cl. 340—255.

Augsburger, Herbert M., to Owens-Illinois Glass Co. Electric heating method and apparatus for uniformly heating glass. 2,993,079, 7-18-61, Cl. 13—6.

August, George S. Butter applicator. 3,003,180, 10-10-61, Cl. 15—514.

August, John H., to Sonotone Corp. Gas vent closure for electric storage batteries. 2,971,045, 2-7-61, Cl. 136—178.

Augustin, Darold A., to Bendix-Westinghouse Automotive Air Brake Co. Pneumatic window lift. 2,986,123, 5-30-61, Cl. 121—40.

Augustin, Darold A., to Bendix-Westinghouse Automotive Air Brake Co. Height control and leveling valve for air springs. 3,006,657, 10-31-61, Cl. 280—124.

Augustin, Gustav, to Kupfer-Asbest-Co. Sealing and retaining ring. 3,009,722, 11-21-61, Cl. 288—22.

Augustin, Johann, to International Standard Electric Corp. Arrangement for the automatic adjustment of forms and the tabulating in both the vertical and horizontal direction for teleprinters and the like. 3,006,987, 10-31-61, Cl. 178—4.1.

Augustine, Frank, to United States of America, Air Force. Crystal growing apparatus. 2,990,258, 6-27-61, Cl. 23—273.

Auld, Bert A., to Electric & Musical Industries Ltd. Hollow electrical resonators. 2,968,013, 1-10-61, Cl. 333—83.

Auld, Samuel H., Jr.: *See*—
Horton, William F., and Auld. 2,970,227.

Aulin, Evert, to Svenska Aktiebolaget Gasaccumulator. Arrangement in optical measuring apparatus for wind tunnels. 2,968,209, 1-17-61, Cl. 88—14.

Ault, John D., and D. P. McConnell, to Mining Research Corp. Single stage rock crusher. 2,999,651, 9-12-61, Cl. 241—218.

Ault, Neil N., to Norton Co. Process of making ceramic shells. 2,974,388, 3-14-61, Cl. 25—156.

Ault, Waldo C.: *See*—
Port, William S., Gelb, and Ault. 2,975,149.

Ault, Wayne E., to "Automatic" Sprinkler Corp. of America. Accelerator for dry pipe sprinkler systems. 2,969,842, 1-31-61, Cl. 169—17.

Aumann, Peter. Brake system for unwinders. 2,972,452, 2-21-61, Cl. 242—75.43.

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Ruschig, Heinrich, Aumuller, Korger, Wagner, Scholz, and Bander. 2,968,158.
Ruschig, Heinrich, Aumuller, Korger, Wagner, Scholz, and Bander. 2,976,317.
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Aumuller, Walter, G. Korger, R. Weyer, and W.-H. Wagner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Sulfonyl-urethanes and a process for preparing them. 2,990,326, 6-27-61, Cl. 167—51.5.

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Neaderland, Adolph C., and Aune. 2,968,788.

Aurora Corp. of Illinois: *See*—
Matthews, Birchard L. 2,998,058.

Aurora Equipment Co.: *See*—
Dunham, John C. 2,973,101.

Aurora Steel Products Co.: *See*—
Fohn, Jack E. 2,992,744.

Ausman, John S.: *See*—
Perkins, Kenneth L., Palmer, and Ausman. 3,005,348.

Aust, Edmundo M., to Atag-Trust. Mobile elevating and erecting device for masts assembled from separate sections. 2,998,106, 8-29-61, Cl. 189—11.

Austin, A. O., Inc.: *See*—
Austin, Arthur O., and Gormley. 3,014,088.

Austin, Alfred D. Cutting blade holder. 3,007,244, 11-7-61, Cl. 30—162.

Austin, Arthur O., and W. R. Gormley, to A. O. Austin, Inc. Floating sleeve insulator. 3,014,088, 12-19-61, Cl. 174—179.

Austin, Benjamin L., to Christensen Diamond Products Co. Core barrel apparatus. 3,012,622, 12-12-61, Cl. 175—226.

Austin, George D., to Western Wire Products Co. Eaves trough braces. 2,977,081, 3-28-61, Cl. 248—48.1.

Austin, Glenn M.: *See*—
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Austin, Harold A., and A. M. Waldo, to Brundage Co. Apparatus for assembling a centrifugal blower wheel. 2,996,788, 8-22-61, Cl. 29—23.5.

Austin, Harry W.: *See*—
Hamilton, William C., and Austin. 2,999,497.

Austin, Harry W., to Mine Safety Appliances Co. Helmet shell lining. 2,967,304, 1-10-61, Cl. 2—3.

Austin, Harry W., and J. P. Lytle, to Mine Safety Appliances Co. Protective helmet lining. 3,008,145, 11-14-61, Cl. 2—3.

Austin, Howard A. Fuel economizer for internal combustion engines. 2,977,205, 3-28-61, Cl. 48—180.

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Baker, Chester L., and Austin. 2,972,594.

Austin, John R.: *See*—
McCay, Frank V., and Austin. 3,004,524.

Austin, Leonard E. Dispensing apparatus for use on an engine driven vehicle. 2,982,447, 5-2-61, Cl. 222—146.

Austin, Leonard E., J. H. Ettinger, and A. K. Brown, Jr., to The Bendix Corp. Brake assembly mechanism. 2,971,252, 2-14-61, Cl. 29—211.

Austin, Leroy W., to Avco Mfg. Corp. Function generator. 2,992,387, 7-11-61, Cl. 323—79.

Austin, Merritt B., Jr., to Stone Mfg. Co. Holder for flood lamps. 2,991,350, 7-4-61, Cl. 240—52.

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Austin, Thomas J., to Armored Luggage Mfg. Co. Snap-in mirror holder. 3,001,748, 9-26-61, Cl. 248—28.

Austin, William B. Carbon paper inserting machine. 2,972,477, 2-21-61, Cl. 270—58.

Australia, Commonwealth of, care of the Secretary of the Department of Supply, The: *See*—
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Autere, Reuben J., and J. R. Hancock, to Fairchild Camera and Instrument Corp. Sheet cylinder for image reproducing machines. 3,012,841, 12-12-61, Cl. 346—138.

Autio, Paul. Rotary pump. 2,968,253, 1-17-61, Cl. 103—138.

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Foti, Sam J. 2,976,568.

Auto Express Rail, Inc.: *See*—
Hamilton, Rollie D. 2,987,170.

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Lucker, Millard B., and Achterberg. 2,997,292.
Auto Union G.m.b.H.: *See*—
Hertel, Karl. 3,005,642.
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Gasche, Fred. 2,991,161.
Ruyak, Robert F. 2,996,363.
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Ramnisceanu, Tiberiu J. 2,990,139.
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Mueller, Richard J. 3,011,426.
Reynolds, Donald S., and Werner. 3,007,391.
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Automatic Electric Laboratories, Inc.: *See*—
Benisek, Edward J. 2,978,137.
Blackhall, James M. 3,007,007.
Blackhall, James M. 3,014,987.
Burgener, Karl L. 2,987,580.
Cerofolini, Gabriele F. 2,994,833.
Cleary, Robert T. 2,975,337.
Coleman, Ivan V. 3,011,027.
Dicius, Renualdas P. 3,014,990.
Dimmer, Robert P. 2,987,615.
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Faulkner, Alfred H. 2,970,760.
Faulkner, Alfred H. 2,987,250.
Faulkner, Alfred H. 2,987,577.
Faulkner, Alfred H. 3,003,034.
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Ford, Robert T. 3,011,099.
Glenner, Edward J., and Molnar. 2,975,236.
Hilker, Eugene A. 2,994,738.
Koss, Howard E. 3,003,042.
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Le Gall, Pierre L. M. 3,015,092.
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Lomax, Clarence E. 2,987,578.
Lomax, Clarence E. 2,994,742.
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Lomax, Clarence E. 2,994,744.
Lomax, Clarence E. 2,998,492.
Lomax, Clarence E. 3,007,003.
Lomax, Clarence E. 3,014,986.
McCreary, Harold J. 2,971,182.
McCreary, Harold J. 3,014,988.
Nise, Wilfred C. 2,990,456.
Ostline, John E. 2,981,798.
Peterson, Edward S. 2,998,488.
Pinet, Andre E. 2,975,305.
Pye, Harold C. 2,967,914.
Pye, Harold C. 2,994,747.
Smith, Lester L. 2,971,085.
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Stoffels, Robert E. 2,990,451.
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Automatic Enterprises, Inc.: *See*—
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Automatic Fire Alarm Co.: *See*—
Cassell, Joseph L. 2,996,652.
Automatic Music, Inc.: *See*—
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Van Huis, Robert L., and Bares. 2,973,932.
Van Huis, Robert L., Linnabary, and Clark. 2,979,242.
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Automatic Power, Inc.: *See*—
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"Automatic" Sprinkler Corp. of America: *See*—
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Marik, Henry J., and Katis. 2,996,274.
Automatic Steam Products Corp.: *See*—
Jones, Lester L. 2,997,989.
Automatic Switch Co.: *See*—
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McCormick, Robert F., and Churchill. 2,984,257.
Moakler, William A. 2,997,631.
Moakler, William A. 2,998,551.
Spinelli, Frank P., and Colitz. 3,011,100.
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Robson, Leslie J. 2,991,935.
Automatic Tag Machines, Inc.: *See*—
Katz, Abe A. 2,968,237.
Automatic Telephone & Electric Co. Ltd.: *See*—
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Macgeorge, William D. 2,977,521.
Automation Instruments, Inc.: *See*—
Furon, Leon D. 3,011,338.
Furon, Leon D. 3,011,339.
Howry, Douglass H., and Posakony. 2,972,068.
Automation Products, Inc.: *See*—
Banks, William B. 2,973,639.
Auto-Mechanical Dock Board, Inc.: *See*—
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Automotive Products Co. Ltd.: *See*—
Bland, Albert N., and Davies. 2,979,171.
Ellis, Frederick E. 2,982,155.
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Autoquip Corp.: *See*—
Clarke, Jesse E. 3,004,272.
Clarke, Jesse E. 3,004,630.
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Clarke, Jesse E. 3,007,723.
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Bagwell, George W., and Watkins. 3,008,143.
Chafin, James M. 2,986,737.
Ellis, Frederick E. 2,997,898.
Sprick, Herbert. 3,007,170.
Wright, John G. 3,006,005.
Wright, John G., and Chafin. 2,996,719.
Wright, John G., Chafin, and Wynn. 3,011,376.
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Rand, Burton. 3,011,500.
Rand, Burton. 3,011,924.
Auty, Robert P.: *See*—
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Au Werter, Jay P. Reducing valve and pilot unit. 3,011,516, 12–5–61, Cl. 137—489.
Auxier, John A., G. S. Hurst, and R. E. Zedler, to United States of America, Atomic Energy Commission. Neutron-insensitive beta-gamma dosimeter. 2,974,248, 3–7–61, Cl. 313—93.
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Feinberg, Irving, and Avakain. 2,973,569.
Avco Corp.: *See*—
Braun, Edward C., and Herlinger. 2,967,235.
Bruck, George. 2,977,592.
Bruck, George. 3,005,161.
Congdon, Kenneth P. 2,977,487.
Kantrowitz, Arthur R., Brogan, and Hritzay. 2,972,696.
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Bradmiller, Richard W. 2,999,214.
Bradmiller, Richard W. 3,001,145.
Bruck, George. 3,001,143.
Bruck, George. 3,005,860.
Bruck, George. 3,005,959.
Cleary, Joseph F., and Guarino. 2,982,896.
Cunningham, Robert A. 3,004,708.
Demopoulos, Andrew, and Stump. 3,002,262.
Devine, Francis P., and Yeager. 2,994,807.
Duffy, Thomas H. 2,976,523.
Harbage, Robert P., and Haupt. 2,997,834.
Harrison, John E. R., and Kagan. 2,990,452.
Harrison, John E. R., and Kagan. 3,005,093.
Horgan, Thomas B. 2,989,628.
Kagan, Sholly, and Olbrych. 2,986,657.
Kammer, Donald E., and Wood. 3,012,172.
Kuecken, John A. 2,978,703.
Kuecken, John A. 3,007,168.
Laszlo, Tibor S. 3,015,013.
McCarthy, Horace F. 3,014,483.
Miller, Harvey G. 3,002,390.
Pohl, Norman R., and Knese. 3,006,606.
Parkhill, Douglas F., Redpath, and Ross. 2,976,428.
Wedig, Frank L., and Oliver. 3,003,114.
Wikstrom, Arne. 2,970,470.
Womble, George E. 2,993,608.
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Raney, Russell R., Stott, Luthman, and Richards. 2,987,987.
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Eways, Musa J., and Avedissian. 2,966,714.
Avel Corp. Geneva: *See*—
Vielle, John. 2,980,908.
Aven, Manuel, to General Electric Co. Method of preparing a green electroluminescent zinc sulphide phosphor. 3,000,834, 9–19–61, Cl. 252—301.6.
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Averbach, Louis H. Trachelotome. 3,013,553, 12–19–61, Cl. 128—2.
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Dickard, Lester R. 2,985,554.
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Avery, Dallas B., Sr., to General Motors Corp. Machine rail steel plug. 2,968,375, 1–17–61, Cl. 189—36.
Avery, Howard, D. H. Kingsland, Jr., and E. G. Parker, to International Telephone and Telegraph Corp. Omnidirectional beacon antenna. 2,979,719, 4–11–61, Cl. 343—761.

Avery, Howard S., and H. J. Chapin, to American Brake Shoe Co. Easily machinable, non-magnetic, manganese steel. 3,010,823, 11–28–61, Cl. 75—123.
Avery, James D., and P. J. Sullivan. Flaming car illusion. 3,011,781, 12–5–61, Cl. 272—15.
Avery, Robert, to United States of America, Atomic Energy Commission. Coupled fast-thermal power breeder reactor. 2,992,982, 7–18–61, Cl. 204—193.2.
Avery, William H., to United States of America, Navy. Process for manufacturing rocket propellants. 2,990,263, 6–27–61, Cl. 52—.5.
Avesta Jernverka Aktiebolag: *See*—
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Aveston, John, D. A. Everest, and R. A. Wells, to National Research Development Corp. Recovery of metals from cyanide solution by anion exchange. 3,001,868, 9–26–61, Cl. 75—105.
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Antippas, Spyridon. P., and Koletsky. 2,981,098.
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Rose, Stanley E. 2,975,634.
Weiss, Leo A. 3,001,716.
Avila, Frank C., and M. H. Dole, to General Electric Co. Method of assembling a dynamoelectric machine. 3,002,261, 10–3–61, Cl. 29—155.5.
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Awe, Richard W., and H. M. Schiefer, to Dow Corning Corp. Stabilized organic silicon fluids. 3,002,927, 10–3–61, Cl. 252—37.2.
Awe, Richard W., and H. M. Schiefer, to Dow Corning Corp. Method of stabilizing organosilicon fluids. 3,002,989, 10–3–61, Cl. 260—448.2.
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Goodemote, George H., and Axe. 3,004,305.
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Axe, William N., and B. C. Benedict, to Phillips Petroleum Co. Production of dairy wax and low pour point lubricating oils. 3,013,960, 12–19–61, Cl. 208—36.
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Axman, Melvin G., deceased; D. V. D. Axman, administratrix. Turning attachment for vehicles. 2,967,045, 1–3–61, Cl. 254—87.
Axon, Peter E., to Clevite Corp. Tape guide for magnetic tape recorder. 2,991,921. 7–11–61, Cl. 226—199.
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Axon, Peter E., C. Henocq, and D. Ireland, to Clevite Corp. Tape transport mechanism in magnetic recording and/or reproducing apparatus. 3,001,733, 9–26–61, Cl. 242—55.12.
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Ayala, Carl, to M. I. Glass. Toy. 2,991,589, 7–11–61, Cl. 46—174.
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Ayer, Donald R., and A. N. McDowell, to Sanders Associates, Inc. Variable attenuator. 3,002,165, 9–26–61, Cl. 333—81.
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Ayers, David T., Jr., to Kelsey-Hayes Co. Proportional brake mechanism for front and rear vehicle brakes. 2,985,487, 5–23–61, Cl. 303—6.
Ayers, David T., Jr., to Kelsey-Hayes Co. Booster motor mechanism. 2,990,815, 7–4–61, Cl. 121—41.
Ayers, David T., Jr., to Kelsey-Hayes Co. Fluid pressure motor structure. 2,997,028, 8–22–61, Cl. 121—41.
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Aylor, Eugene W. Chicken coop. 3,014,608, 12–26–61, Cl. 217—36.
Aymami, Arthur L., D. K. Lillich, J. R. Gibbons, and O. A. Moore, to The Gates Rubber Co. Continuous wrapped hose and method of making the same. 2,984,262, 5–16–61, Cl. 138—126.
Aymar, Robert H., and E. R. Weiner, to We-Mar, Inc. Dental handpiece. 3,014,278, 12–26–61, Cl. 32—27.
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Azari, Eric, A. E. Gray, H. J. Malin, A. M. Nelson, and H. B. Thompson, to The Magnavox Co. Card processing apparatus. 2,982,544, 5–2–61, Cl. 271—5.
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Azbe, Victor J., to Azbe Corp. Terminal calcining kiln. 2,994,521, 8–1–61, Cl. 263—29.
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Schmidt, Maximilian P., and Süs. 2,994,608.
Schmidt. Maximilian P., and Sus. 2,995,442.
Azorlosa, Julian L.: *See*—
Albus, Charles P., and Azorlosa. 2,970,974.
Azusa Engineering, Inc.: *See*—
Desbrow, Roy M. 3,003,589.
B. B. Chemical Co.: *See*—
Johnson, Eric C., and Clarke. 2,975,150.
Morris, Thomas C., and Johnson. 3,008,863.
Morris, Thomas C., Macdonald, Roop, and Rossitto. 3,008,912.
Paulsen, Hans C. 2,969,056.
Paulsen, Hans C. 2,992,194.
Paulsen, Hans C. 2,996,263.
Paulsen, Hans C., Roop, and Rossitto. 3,007,200.
Urban, Stephen E. 3,007,208.
B & C Metal Stamping Co.: *See*—
Fisher, James T. 2,972,656.
BEKA St. Aubin AG: *See*—
Knecht, Alfred. 2,971,799.
B-I-F Industries, Inc.: *See*—
Cary, Francis H. 2,970,476.
Frazel, Wilbur H. 2,976,740.

B J Service, Inc.: *See*—
Scott, Lyle B. 2,970,647.
Scott, Lyle B. 2,984,301.
Scott, Lyle B. 3,001,584.

B-Line Dispensers, Inc.: *See*—
Baldwin, John P. 2,981,443.

BOT Brassert Oxygen Technik AG: *See*—
Lambert, Louis J. R., Sedlacek, and Messin. 3,004,847.

BTR Industries Ltd. (formerly British Tyre & Rubber Co. Ltd.): *See*—
Woods, Stanley, and Turner. 2,988,300.

B-Vac Corp.: *See*—
Braun, William L. 3,012,347.

B-W Footwear Co.: *See*—
Snitzer, Saul. 3,010,229.

B and W, Inc.: *See*—
Solum, James R., and Hempel. 2,983,982.
Wright, Kenneth A., and Solum. 2,998,848.
Wright, Kenneth A., and Solum. 3,000,444.
Wright, Kenneth A., and Solum. 3,004,606.
Wright, Kenneth A., and J. R. and K. W. Solum. 3,012,612.

B W Metal Works, Inc.: *See*—
Buehler, Albert E. 3,007,678.

B.X. Plastics Ltd.: *See*—
Nicholas, Donald C. 2,978,903.

Baak, Albert E. Switch. 2,985,738, 5–23–61, Cl. 200—138.

Baalson, George A. Polaris circle grid. 2,995,972, 8–15–61, Cl. 88—2.3.

Baars, Arie D., and W. J. Wolfson, to Shell Oil Co. Isomerization of olefins in stripping. 3,005,771, 10–24–61, Cl. 260—150.

Baas, Gerardus: *See*—
Bol, Arie, Tacken, van der Laan, and Baas. 3,006,984.

Babajoff, Nicholas R.: *See*—
Putman, John S., and Babajoff. 2,984,096.

Babany, Albert. Fire detector made of two special electric wires. 2,992,310, 7–11–61, Cl. 200—143.

Babaud, Jean, to Société à Responsibilité Limitée; Ateliers de Construction Beadouin. Digital code translating system. 2,984,830, 5–16–61, Cl. 340—347.

Babayan, Vigen K.: *See*—
Barsky, George, and Babayan. 2,988,483.
Barsky, George, and Babayan. 2,988,484.

Babayan, Vigen K., to E. F. Drew & Co., Inc. Linear mixed ester lubricants. 3,000,917, 9–19–61, Cl. 260—404.8.

Babayan, Vigen K., to E. F. Drew & Co., Inc. Fat composition for margarine and other purposes. 3,006,771, 10–31–61, Cl. 99—118.

Babayan, Vigen K., to E. F. Drew & Co., Inc. High smoke point frying oil. 2,998,319, 8–29–61, Cl. 99—118.

Babayan, Vigen K., and G. N. Comes, to E. F. Drew & Co., Inc. Confectionary coating compositions. 2,999,023, 9–5–61, Cl. 99—118.

Babb, Charles L., to Allis-Chalmers Mfg. Co. Double casing multiple stage pump. 2,999,465, 9–12–61, Cl. 103—107.

Babb, Charles L., R. H. Alexander, and E. Linsker, to Buckeye Tool Corp. Pneumatic tools. 3,002,495, 10–3–61, Cl. 121—34.

Babb, Marvin O. Apparatus for processing fibrous material adapting it for gas stream entrainment. 2,989,252, 6–20–61, Cl. 241—138.

Babb, William R., J. G. Andrews, and C. H. van Tesmar, to National Distillers and Chemical Corp. Process for production of sodium peroxide. 3,012,855, 12–12–61, Cl. 23—184.

Babbitt, John I., to Babbitt Steam Specialty Co. Lost motion connection between sprocket wheel and valve operating wheel. 3,001,412, 9–26–61, Cl. 74—243.

Babbitt Steam Specialty Co.: *See*—
Babbitt, John I. 3,001,412.

Babcock, David L.: *See*—
Hanken, George H., and Babcock. 2,983,416.

Babcock, David L., to United States of America, Navy. Method of molding a plastic jacket around a plurality of inserts. 2,975,482, 3–21–61, Cl. 18—47.5.

Babcock, David L., to Eastman Kodak Co. Combined lamp and reflector with socket. 3,003,058, 10–3–61, Cl. 240—41.35.

Babcock, Donald E., R. M. Drews, and S. R. Crooks, to R-N Corp. Production of iron. 2,986,460, 5–30–61, Cl. 75—44.

Babcock, Eldon R., and S. D. Zweigoron, to United States of America, Navy. Vortex pilot flame source for ramjet engines. 2,984,979, 5–23–61, Cl. 60—39.82.

Babcock, Gary J., D. C. Burch, and R. L. Simpkins, to Essex Wire Corp. Flux and method for soldering aluminum. 3,008,230, 11–14–61, Cl. 29—495.

Babcock, Harry L., to Union Tank Car Co. Method of producing visual standards and article produced. 3,005,912, 10–24–61, Cl. 250—65.

Babcock, Hugh H. Self-steering submarine suction cleaner. 2,988,762, 6–20–61, Cl. 15—1.7.

Babcock, John C.: *See*—
Campbell, J Allan, and Babcock. 3,002,005.
Campbell, J Allan, Babcock, and Hogg. 2,985,671.
Campbell, J Allan, Babcock, and Hogg. 3,004,044.
Pederson, Raymond L., and Babcock. 2,990,416.
Pederson, Raymond L., Babcock, and Hogg. 2,989,549.

Babcock, John C., to The Upjohn Co. 17-aminoandrostanes. 3,009,925, 11–21–61, Cl. 260—397.

Babcock, John C., and A. C. Ott, to The Upjohn Co. Androstane-11β,17β-diol and the 17-esters thereof. 2,969,379, 1–24–61, Cl. 260—397.5.

Babcock, John C., and R. L. Pederson, to The Upjohn Co 1-dehydro-17-hydroxyprogesterone acylates and therapeutic composition thereof. 2,971,886, 2–14–61, Cl. 167—55.

Babcock, John C., and R. L. Pederson, to The Upjohn Co. 4,17α - dimethyl - 9α - fluoro - 11 - oxygenated testosterones. 2,990,400, 6–27–61, Cl. 260—239.5.

Babcock, Robert A., and R. L. Putney, to J. B. Nottingham & Co., Inc. Air cooled whip and electrode holder for welders. 2,975,267, 3–14–61, Cl. 219—138.

Babcock & Wilcox Co., The: *See*—
Adamson, Percy, and Stewart. 3,014,120.
Allardt, Ernst W. 3,004,134.
Bagley, Roy. 2,972,986.
Baver, Clyde B. 3,013,540.
Blaser, Robert U. 2,998,363.
Bradford, John R., Dickinson, Felger, and Hage. 3,005,101.
Brooks, Ernest A., Friese, Harvey, and Winkin. 2,982,269.
Brzeski, Jerzy. 2,979,363.
Campbell, John, Jr. 2,980,179.
Carpenter, Otis R., and Armstrong. 2,993,983.
Chan, Charles R. 2,976,858.
Coulter, Earl E. 2,993,565.
Downs, Albert O., Jr. 2,976,855.
Durham, Edwin. 2,979,039.
Edlund, Milton C., and Kallman. 2,992,174.
Elrod, Harold G., Jr. 2,988,997.
Fink, Leroy M. 2,995,120.
Fink, Leroy M., Kispert, Raynor, and Rowand. 3,003,480.
Forsman, Elmer J. 3,001,514.
Frendberg, Arthur M., and Shellenberger. 2,989,039.
Godshalk, Russell L., and Lowe. 3,001,488.
Gram, Arthur J., Jr., and Sage. 2,982,235.
Hamilton, Carl C., and Young. 3,003,482.
Hartwig, Frederick J. 3,007,806.
Hersman, Edward R. 2,989,209.
Huge, Ernest C. 3,014,523.
Jessen, Nicholas C. 2,989,456.
Kayatz, Karl-Heinz. 2,975,984.
Kidwell, John H., Musat, and Marquand. 2,982,347.
Koch, Paul H. 2,995,119.
Koch, Paul H. 3,007,459.
Koch, Paul H., and Fink. 2,980,084.
Koch, Paul H., and Raynor. 2,982,268.
Lieb, Carl, and Godshalk. 3,007,455.
Lotz, Otto. Re. 25,086.
McColl, William. 2,993,681.
Murray, Julian R., and O'Connell. 3,007,456.
Pacault, Pierre H., and Tillequin. 2,968,156.
Pirsh, Edward A. 3,009,325.
Rowand, Will H., and Braddy. 2,982,266.
Sage, Warnie L. 2,971,480.
Schluderberg, Donald C. 2,967,047.
Schoessow, Earl E. 2,992,176.
Schomer, Robert T. 2,969,970.
Sheehan, Charles R. 3,014,853.
Sifrin, Andreas, and Hennecke. 2,979,000.
Singleton, John C. 2,998,724.
Smith, Charles S. 2,966,897.
Sprague, Theodore S. 3,002,347.
Sprague, Theodore S., and Leland. 2,973,251.
Steever, Andrew B. 3,000,364.
Thorson, Benjamin N. 2,967,758.
Tucker, James T., Jr. 3,008,362.
Walker, James B., Jr. 3,007,424.
Young, Norman W. 2,979,041.
Zoller, Ronald E. 2,968,289.
Zoller, Ronald E. 2,988,064.

Babcock & Wilcox Ltd.: *See*—
Deans, James N. M. 3,004,184.
Kayatz, Karl-Heinz. 3,002,701.
Leon, Kurt, and Ossig. 3,007,458.
Taylor, Richard A. 2,995,504.
Zoller, Ronald E. 2,991,941.

Babel, Frederick J., and D. W. Mather, to Research Corp. Creamed cottage cheese. 2,971,847, 2–14–61, Cl. 99—116.

Babel, Paul V.: *See*—
Dayger, Jonas E., Salani, and Babel. 2,995,297.

Baber, Claude: *See*—
Smith, Warner B., and Baber. 2,977,658.

Babiarz, Raymond S., and A. D. Hicks. Cellulose fabric and process of making same. 2,991,146, 7–4–61, Cl. 8—115.6.

Babin, Jacques A., to Societe a responsabilite limitee: General Plastics. Lipstick or rouge container. 3,007,569, 11–7–61, Cl. 206—56.

Babson, Arthur L., to Warner-Lambert Pharmaceutical Co. Diagnostic preparation and process for the determination of serum alkaline phosphatase. 2,999,793, 9–12–61, Cl. 195—103.5.

Babson, Arthur L., to Warner-Lambert Pharmaceutical Co. Method for the determination of serum acid phosphatase and diagnostic preparation therefor. 3,002,893, 10–3–61, Cl. 195—103.5.

Babson Bros. Co.: *See*—
Babson, Henry B. 3,011,755.
Merritt, Thomas W., and Thomas. 2,987,294.
Thomas, Chester A. 2,997,049.

Babson, Henry B., to Babson Bros. Co. Milk pipeline valve. 3,011,755, 12–5–61, Cl. 251—146.
Baby-Line Furniture Co.: *See*—
Jacobs, Saul B., and Siegel. 2,968,817.
Bac-A-Brand Products, Inc.: *See*—
Mishkin, Sidney. 2,996,777.
Mishkin, Sidney. 2,996,778.
Baccolia, Jack A. Key guide for locks. 2,993,362, 7–25–61, Cl. 70—454.
Bach, Henry J.: *See*—
Barr, Naaman F. 2,966,874.
Bach, Henry J., to American-Marietta Co., Stoner-Mudge Co. Division. Primer compositions. 3,010,846, 11–28–61, Cl. 117—75.
Bach, John W., to Pitney-Bowes, Inc. Postage meter machines. 2,970,536, 2–7–61, Cl. 101—227.
Bach, Walter H., to Berndt-Bach, Inc. Method and apparatus for mixing and recording multiple sound signals. 3,012,105, 12–5–61, Cl. 179—100.2.
Bacharach, Melvin L., to Levi Strauss and Co. Garment pocket structure. 2,968,813. 1–24–61, Cl. 2—248.
Bachelet, Albert E., G. S. Bibbins, A. J. Celentano, and G. A. Pullis; said Bachelet, said Celentano and said Pullis, assors. to Bell Telephone Laboratories, Inc., and said Bibbins, assor. to American Telephone and Telegraph Co. Program switch system. 2,981,803, 4–25–61, Cl. 179—22.
Bachle, Carl F., to Continental Aviation and Engineering Corp. Air intake manifold structure. 2,968,294, 1–17–61, Cl. 123—46.
Bächler, Werner: *See*—
Nöller, Hans-Georg, and Bächler. 2,977,041.
Bachli, Herman, and H. S. Shapiro, to Chicago Specialty Mfg. Co. Adjustable wrenches. 2,979,977, 4–18–61, Cl. 81—129.
Bachman, Alfred E., to G. Miller. Bingo game device. 3,002,491, 10–3–61, Cl. 116—134.
Bachman, Fred E.: *See*—
Tack, Carl E., and Bachman. 2,974,759.
Tack, Carl E., Bachman, and Baker. 2,986,101.
Bachman, Fred E., to American Steel Foundries. Pneumatic suspension for use on freight car trucks. 3,012,523, 12–12–61, Cl. 105—197.
Bachman, Fred E., A. F. Baker, and R. B. Cottrell, to American Steel Foundries. Snubbed truck. 2,972,967, 2–28–61, Cl. 105—197.
Bachman, George S., to Steatite Research Corp. Oxide thermocouple device. 2,981,775, 4–25–61, Cl. 136—5.
Bachman, George S., to Pittsburgh Plate Glass Co. Composite glass fiber battery separator. 3,014,085, 12–19–61, Cl. 136—145.
Bachman, Gustave B., and N. W. Standish, to Purdue Research Foundation. Preparation of trichloro nitro alcohols and trichloro nitro alkenes. 2,999,118, 9–5–61, Cl. 260—633.
Bachman, Skull M. Ball and runway toy. 3,008,715, 11–14–61, Cl. 273—109.
Bachman, William S., to Columbia Broadcasting System, Inc. A.C.-D.C. amplifier. 2,968,006, 1–10–61, Cl. 330—123.
Bachmann Bros., Inc.: *See*—
McNeill, Albert G. 2,976,767.
McNeill, Albert G. 3,008,585.
Bachmann Bros., The: *See*—
Gamble, Howard W. 2,996,955.
Bachmann, Ditmar: *See*—
Grundmann, Werner, Bachmann, Halder, and Gampp. 2,984,657.
Bachmann, Harald, and H. Tegtmeyer, to A. W. Faber-Castell. Slide rules. 2,968,438. 1–17–61, Cl. 235—70.
Bachmann, John H.: *See*—
Bond, Joseph N., and Bachmann. 3,001,489.
Bachmann, John H., B. J. De Witt, and F. Strain, to Pittsburgh Plate Glass Co. Reaction product of silica pigment with acidic halides and production thereof. 3,000,749. 9–19–61. Cl. 106—288.
Bachofer, Henry L.: *See*—
Lerner, Julius, and Bachofer. 2,974,526.
Bachtel, Howard J., to The Dow Chemical Co. Stabilization of 1.1.1-trichloroethane. 2,970,113, 1–31–61, Cl. 252—171.
Bachus, Benson F., and J. F. Kruzic, to Western Electric Co., Inc. Pulp-processing systems. 3,003,709, 10–10–61, Cl. 241—13.5.
Baciu, Nick, to General Electric Co. Film drawing process. 2,978,371, 4–4–61, Cl. 154—2.28.
Back, Alexander E.: *See*—
Zimmerley, Stuart R., and Back. 2,972,530.
Back, Frank G. Varifocal, long back-focal lens for color television. 2,971,051, 2–7–61, Cl. 178—5.4.
Back, Frank G. Varifocal lens assembly for still camera photography. 3,014,406, 12–26–61, Cl. 88—57.
Back, Frank G., and H. Lowen. Multiple element varifocal system. 2,970,516, 2–7–61, Cl. 88—57.
Back, Leonard: *See*—
Bergstein, Frank D., and Back. 2,979,995.
Back, Leonard, and R. G. Weatherby, to The Interstate Folding Box Co. Device for forming and applying pouring spouts to containers. 2,998,788, 9–5–61, Cl. 113—1.
Backensto, Joseph R., to Olin Mathieson Chemical Corp. Method for the preparation of normal lead styphanate. 3,002,012, 9–26–61, Cl. 260—435.
Backer, Stanley, and P. G. Nordhammer, to Crompton & Knowles Corp. Process for treating textile materials. 2,972,795. 2–28–61. Cl. 26—54.
Backer, William E., to United States of America, Army. Eccentric drum mount for revolver-type firearms. 2,982,184, 5–2–61, Cl. 89—155.
Backer, William R., to Norton Co. Torque responsive control for regulating operation of a grinding machine. 2,975,566, 3–21–61, Cl. 51—165.
Backhaus, Hermann J.: *See*—
Bergmann, Herbert, and Backhaus. 2,972,890.
Backhouse, Headley T. Sheet feeding machines. 2,979,331, 4–11–61, Cl. 271—46.
Backhouse, Headley T. Sheet feeding machines. 3,006,637, 10–31–61, Cl. 271—60.
Backlar, Joseph. Garment. 2,970,598, 2–7–61, Cl. 128—519.
Backlin, Clarence R., to Willcox & Gibbs Sewing Machine Co. Rotary tension device for sewing machines. 3,000,591, 9–19–61, Cl. 242—155.
Backlund, Peter S., to Union Oil Co. of California. Manufacture of trimellitic acid. 3,009,953, 11–21–61, Cl. 260—524.
Backlund, Robert R. B., J. M. Bailey, A. Goloff, D. C. Dowdall, and H. M. Kiley, to Caterpillar Tractor Co. Automatic timing device for engines. 2,977,778, 4–4–61, Cl. 64—25.
Backof, Albert. Connecting bolt for trailer couplings. 3,007,718, 11–7–61, Cl. 280—515.
Backström, Arne, and K. O. Nordin, to Avesta Jernverks Aktiebolag. Process in selective reduction of chrome ore. 2,971,834, 2–14–61, Cl. 75—11.
Backus, Alfred S., to Mycalex Corp. of America. Method of manufacturing mercury commutation switch. 2,968,861, 1–24–61, Cl. 29—155.55.
Backus, John K.: *See*—
Chih, Chen M., and Backus. 2,988,406.
Bacon, Clare E., and M. T. Nemeyer, to Owens-Corning Fiberglas Corp. Glass fabric reinforcement for plastics. 2,975,503, 3–21–61, 28—78.
Bacon Felt Co.: *See*—
Becker, William E. 3,013,366.
Bacon, Francis T., to E.R.A. Patents Ltd. Bipolar electrode for electric batteries. 2,969,315, 1–24–61, Cl. 204—284.
Bacon, Francis T., to National Research Development Corp. Electrical batteries. 3,002,039, 9–26–61, Cl. 136—86.
Bacon, Frank R., and C. J. Billian, to Owens-Illinois Glass Co. Ultraviolet light absorbing glass. 2,974,052, 3–7–61, Cl. 106—52.
Bacon, Glenn C., to International Business Machines Corp. Automatic gain control circuit utilizing variable capacitance. 2,982,822, 5–2–61, Cl. 179—100.2.
Bacon, James L.: *See*—
Grant, "Keay" H. C., and Bacon. 2,992,100.
Bacon, John H., deceased; R. C. Bacon, administrator. Animated bird whistle. 2,972,834. 2–28–61, Cl. 46—118.
Bacon, John H., deceased; R. C. Bacon, administrator. Warbling musical whistle. 2,996,839, 8–22–61, Cl. 46—179.
Bacon, Karl W., and E. O. Morgan, to Walt Disney Productions. Amusement vehicle apparatus. 3,006,286, 10–31–61, Cl. 104—63.
Bacon, Maurice W.: *See*—
Berlin, Frederick H., Jr., and Bacon. 2,975,519.
Bacon, Osborne C., to E. I. du Pont de Nemours and Co. Cellulosic textile treating composition and process. 2,992,138, 7–11–61, Cl. 117—139.4.
Bacon, Robert C.: *See*—
Bacon, John H. 2,972,834.
Bacon, John H. 2,996,839.
Bacon, William E., to The Lubrizol Corp. Preparation of phosphorodithioate triesters. 2,976,308, 3–21–61, Cl. 260—461.
Bada Co., The: *See*—
Bageman, Fred J. 3,002,388.
Badberg, Henry W. Fog fire nozzle. 2,993,650, 7–25–61, Cl. 239—271.
Badders, William C., to United States of America, Navy. Reso-jet igniter. 2,998,703, 9–5–61, Cl. 60—35.6.
Baddour, Raymond F. Apparatus and methods for continuous ion exchange. 3,002,922, 10–3–61, Cl. 210—33.
Bade, Alfred G., to The Falk Corp. Mounting assembly for machinery drive. 2,976,745, 3–28–61, Cl. 74—606.
Bader, Alfred R., to S. C. Johnson & Son, Inc. Novel ether derivatives of di(hydroxyaromatic)-alkylidene carboxylic acids. 2,971,025, 2–7–61, Cl. 260—520.
Bader, Alfred R., and H. A. Vogel, to Pittsburgh Plate Glass Co. Alkyd resins modified by beta amino crotanic esters of higher organic hydroxides. 2,987,491, 6–6–61, Cl. 260—22.
Bader, Edgar, to Telefunken G.m.b.H. Switch core matrix. 3,004,172, 10–10–61, Cl. 307—88.
Bäder, Erich, and O. Schweitzer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Adhesives, cements and the like. 2,981,650, 4–25–61, Cl. 154—129.
Bader, Frank, to United States of America, Navy. Variable area nozzle arrangement. 3,005,308, 10–24–61, Cl. 60—35.6.
Bader, Gilbert F. Plastic garment bagger. 2,995,000, 8–8–61, Cl. 53—256.
Bader, John. Arrangement for hydrofoil retraction and transmission. 2,984,197, 5–16–61, Cl. 114—66.5.
Bader, John, and V. H. Van Bibber. Hydrofoil retraction and steering mechanism. 2,991,747, 7–11–61, Cl. 114—66.5.
Bader, Samuel M., to The Carlson Fabrication & Welding Co., Inc. Trailer. 3,000,524, 9–19–61, Cl. 214—512.
Bader, William, R. W. Berry, Jr., and F. K. Beyer, to Wesson Co. Grinding machine accessory. 2,974,451, 3–14–61, Cl. 51—239.

Badger, Alfred E.: *See*—
Zellers, James T., Jr., Badger, and Lehr. 2,975,555.
Badger, David H., to Ransburg Electro-Coating Corp. Apparatus for electrostatic spray coating. 2,989,241, 6–20–61, Cl. 239—15.
Badger Mfg. Co.: *See*—
Massey, Norman L. 2,994,339.
Obergfell, Hermann. 3,000,534.
Badger Meter Mfg. Co.: *See*—
Fyfe, Clayton. 2,989,600.
Badger Plug Co.: *See*—
Voissem, Marvin C. 2,988,032.
Badger, Richard A., to General Electric Co. Flake mica separating and film forming machine. 2,989,111, 6–20–61, Cl. 154—2.5.
Badger, Walter L., to United States of America, Interior. Process for the prevention of scale in sea water evaporators. 2,979,442, 4–11–61, Cl. 202—57.
Badia, Dan J., and J. L. Sardinas, to Chas. Pfizer & Co., Inc. Oxidation of steroid compounds in presence of antibiotics. 3,010,876, 11–28–61, Cl. 195—51.
Badische Anilin- & Soda-Fabrik Aktiengesellschaft: *See*—
Adam, Karl. 3,009,957.
Baron, Hubertus, and Friederich. 3,009,947.
Buchholz, Karl, and Stastny. 3,001,954.
Bueche, Walter, and Kindler. 2,985,686.
Christmann, Fritz, and Gieg. 2,981,757.
Conrad, Johannes, Blum, and Kueppers. 2,993,743.
Conrad, Johannes, Janson, Weller, Blum, and Kueppers. 2,993,742.
Dimroth, Peter, and Pasedach. 2,993,910.
Ebel, Friedrich, Burger, and Herrle. 3,001,970.
Fikentscher, Hans, and Wilhelm. 3,002,023.
Fikentscher, Hans, and Wilhelm. 3,006,900.
Fikentscher, Hans, Wilhelm, and Willersinn. 2,973,332.
Fischer, Adolf, Scheuerer, Schlichting, and Stummeyer. 3,001,861.
Geeren, Hermann, Ebel, and Braun. 2,989,535.
Hamprecht, Guenther, and Bellmuth. 3,006,377.
Hamprecht, Guenther, Oertel, and Schwarzmann. 2,969,384.
Henkel, Erich, and Friederich. 2,981,740.
Jahrstorfer, Michael, Spaenig, and Weickmann. 3,006,904.
Janson, Alfons, Conrad, and Morweiser. 2,985,500.
Johannsen, Adolf, Danz, Pfannmueller, and Wolf. 2,993,778.
Krause, Hans-Joachim, and Drexler. 2,997,465.
Kroeper, Hugo, Wirth, and Huchler. 3,009,951.
Krzikalla, Hans, Lange, and Eistert. 3,001,982.
Lautenschlager, Hans, and Friederich. 3,009,948.
Lorenz, Lothar, and Weitz. 3,001,608.
Markgraf, Otto, Schuster, Herrle, Boehm, and Schaefer. 2,969,271.
Meyer, Ferdinand, and Demmler. 3,009,898.
Meyer, Ferdinand, Demmler, and Lissner. 2,981,711.
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Baker, Benjamin P., to Westinghouse Electric Corp. Circuit interrupter. 2,997,564, 8–22–61, Cl. 200—148.

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Baker, Donald H., to Sperry Rand Corp. Heading reference system for navigable craft. 2,998,727, 9–5–61, Cl. 74—5.4.

Baker, Donald R., and C. E. Loetel, to The Marley Co. Liquid collection structure for use in treating the wood components of cooling towers. 3,000,619, 9–19–61, Cl. 261—108.

Baker, Douglas A.: *See*—
Stevinson, Harry T., and Baker. 2,974,898.

Baker, Dwight L.: *See*—
Hellman, Nison N., and Baker. 3,014,802.
Kinsman, George H., Hellman, and Baker. 2,984,571.

Baker, Dwight L., and W. B. Dockstader, to Basic Products Corp. Antioxidant and process for preparing the same. 2,975,066, 3–14–61, Cl. 99—163.

Baker, Earl E., to J. A. Brewer. Journal lubricating device. 2,984,527, 5–16–61, Cl. 308—88.

Baker, Edgar B.: *See*—
Peterson, Arlo A., and Baker. 2,981,652.

Baker, Elizabeth: *See*—
Baker, Charles H., Jr., and E. Baker. 2,993,226.

Baker, Elton M.: *See*—
Tolbert, Bert M., Kirk, and Baker. 3,000,377.

Baker, Frederick C. Shield-supporting means for light fixture. 2,978,574, 4–4–61, Cl. 240—146.

Baker, Frederick E. Automatic battery charging generator control circuit. 2,988,648, 6–13–61, Cl. 290—30.

Baker, George W., W. J. Colombo, and E. J. Watson; said Baker assor. to G. Walter. Portable vegetable cooling unit. 3,009,334, 11–21–61, Cl. 62—268.

Baker, H. J., & Bro.: *See*—
McLellan, Jack H. 2,977,214.

Baker, Halsted W., Jr., to Rowe Mfg. Co., Inc. Electromechanical coin totalizer. 2,996,163, 8–15–61, Cl. 194—37.

Baker, Harold F.: *See*—
Perry, Charles R., and Baker. 2,995,931.

Baker, Hayward R., C. R. Singleterry, and H. Ravner, to United States of America, Navy. Preparation of stabilized fluid silicone compositions. 3,008,901, 11–14–61, Cl. 252—49.7.

Baker, Ivan W.: *See*—
Roach, Erskine E., and Baker. 3,006,416.

Baker, J. T., Chemical Co.: *See*—
Ham, George E. 2,980,658.

Baker, Jacob G. Multiple-color pilot light. 2,988,378, 6–13–61, Cl. 340—381.

Baker, James A., to Armour & Co. Method of producing non-virulent strains of attenuated and stabilized hog cholera virus. 3,014,843, 12–26–61, Cl. 167—80.

Baker, James G., to The Perkin-Elmer Corp. Photographic objectives. 2,980,071, 5–30–61, Cl. 88—57.

Baker, James H.: *See*—
Hansen, Lester A., Baker, and Keyes. 2,970,929.

Baker, Jesse G.: *See*—
Netherton, Lyman R., and Baker. 2,078,829.

Baker, John B., to The Timken Roller Bearing Co. Bearing thrust loader and seal. 2,972,504, 2–21–61, Cl. 308—207.

Baker, John J., and W. G. Benjey. Fluid conductor and take-off apparatus. 3,012,574, 12–12–61, Cl. 137—580.

Baker, John R., to Baker Oil Tools, Inc. Subsurface apparatus for controlling well production. 2,984,303, 5–16–61, Cl. 166—114.

Baker, John R., to Baker Oil Tools, Inc. Stop devices for well conduits. 2,986,417, 5–30–61, Cl. 287—52.08.

Baker, John R., to Baker Oil Tools, Inc. Junk basket and plug apparatus. 2,993,539, 7–25–61, Cl. 166—99.

Baker, John R., and T. H. Schorr, to Baker Oil Tools, Inc. Subsurface multiple zone well production apparatus. 2,983,318, 5–9–61, Cl. 166—243.

Baker, John R., and D. C. Preston, Jr., to Baker Oil Tools, Inc. Subsurface well tool. 3,002,561, 10–3–61, Cl. 166—120.

Baker, Jose C., C. C. Silsby, Jr., J. E. Venable, and H. R. Wiesner, to Diamond Alkali Co. High amperage diaphragm cell for the electrolysis of brine. 2,987,463, 6–6–61, Cl. 204—266.

Baker, Joseph C., to International Business Machines Corp. Record punching machine. 3,011,697, 12–5–61, Cl. 234—128.

Baker, Joseph W.: *See*—
Saul, George A., Baker, and Godfrey. 2,983,595.

Baker, Joseph W., to Monsanto Chemical Co. Method of controlling undesirable vegetation. 2,989,392, 6–20–61, Cl. 71—2.3.

Baker, Joseph W., to Monsanto Chemical Co. Method of controlling vegetation. 2,993,775, 7–25–61, Cl. 71—2.7.

Baker, Joseph W., to Monsanto Chemical Co. Butyl rubber stabilization. 3,012,004, 12–5–61, Cl. 260—45.7.

Baker, Marvin T., and R. R. Giler, to Sunbeam Equipment Corp. Vacuum furnace. 3,002,735, 10–3–61, Cl. 263—40.

Baker, Max P., to General Motors Corp. Resiliently mounted ball joint. 2,970,853, 2–7–61, Cl. 287—90.

Baker, Max P., and F. W. Sampson, to General Motors Corp. Method of assembling a torque transmitting device. 3,000,089, 9–19–61, Cl. 29—436.

Baker, Mayo J., and T. F. Mason. Dispensing scoop. 2,970,555, 2–7–61, Cl. 107—48.

Baker, Melvin C., T. C. Bissot, and J. Rowbottom, to E. I. du Pont de Nemours and Co. Catalyst recovery. 2,980,630, 4–18–61, Cl. 252—414.

Baker Oil Tools, Inc.: *See*—
Baker, John R. 2,984,303.
Baker, John R. 2,986,417.
Baker, John R. 2,993,539.
Baker, John R., and Preston. 3,002,561.
Baker, John R., and Schorr. 2,983,318.
Baker, Reuben C. 2,970,650.
Baker, Reuben C. 2,976,932.
Baker, Reuben C. 3,002,564.
Bigelow, Herbert L. 2,999,545.
Clark, Earnest H., Jr. 2,988,145.
Clark, Earnest H., Jr. 2,998,075.
Clark, Earnest H., Jr. 3,011,555.
Clark, Earnest H., Jr., and Keithahn. 3,008,523.
Clark, Earnest H., Jr., and Myers. 2,998,073.
Conrad, Martin B. 2,984,451.
Conrad, Martin B. 2,988,144.
Conrad, Martin B. 2,988,149.
Conrad, Martin B. 2,988,177.
Conrad, Martin B. 2,988,323.
Conrad, Martin B. 2,993,541.
Conrad, Martin B. 3,002,724.
Conrad, Martin B. 3,011,557.
Conrad, Martin B. 3,011,558.
Conrad, Martin B. 3,013,610.
Conrad, Martin B., and Althouse. 2,999,544.
Conrad, Martin B., and Muse. 2,988,148.
Crowe, Talmadge L. 2,998,072.
Crowe, Talmadge L. 3,002,563.
Crowe, Talmadge L., and Clark. 3,005,493.
Henslee, Waldo W., Jr. 2,976,933.
Keithahn, Julian D. 2,974,922.
Keithahn, Julian D. 2,975,837.
Keithahn, Julian D. 2,998,077.
Muse, John F., and Myers. 3,011,559.
Myers, William D. 2,999,542.
Myers, William D. 2,999,543.
Myers, William D. 3,013,611.
Park, Robert O. 2,986,415.
Todee, Hartley K. 2,976,934.

Baker, Paul E., to California Research Corp. Gamma ray source with lithium target. 3,015,029, 12–26–61, Cl. 250—83.3.

Baker, Paul H., to Columbia-Southern Chemical Corp. Method of recovering tungstic acid values from aqueous media. 2,968,527, 1–17–61, Cl. 23—140.

Baker, Paul W., to Holeproof Hosiery Co. Washable slipper-type footwear with one-piece resilient sole. 2,996,814, 8–22–61, Cl. 36—9.

Baker Perkins Ltd.: *See*—
Brook, Leonard. 2,987,015.
Farrer, Kenneth. 2,973,725.
McCulloch, Murdoch M. 2,984,521.
Packman, Percival J., and Morton. 2,991,869.
Tunley, Allan A. 3,010,412.
Watson, William F., and Wilson. 2,977,098.

Baker Plastic Containers, Inc.: *See*—
Lovell, Stanley P. 3,002,650.

Baker, Philip S., F. R. Duncan, and H. B. Greene, to United States of America, Atomic Energy Commission. Apparatus for the production of lithium metal. 2,997,289, 8–22–61, Cl. 266—34.

Baker, Ralph C., to The Sheffield Corp. Gaging apparatus for dimensions and the like. 2,976,718, 3–28–61, Cl. 73—37.5.

Baker, Ralph C., to The Sheffield Corp. Gaging device. 3,006,183, 10–31–61, Cl. 73—37.9.

Baker, Reuben C., deceased, by R. C. Baker, Jr., T. B. Anderson, A. A. Baker, D. K. Anderson, and Security-First National Bank of Los Angeles, executors, to Baker Oil Tools, Inc. Subsurface apparatus for operating well tools. 2,970,650. 2–7–61, Cl. 166—124.

Baker, Reuben C., to Baker Oil Tools, Inc. Subsurface well bore valve apparatus. 2,976,932, 3–28–61, Cl. 166—226.

Baker, Reuben C., to Baker Oil Tools, Inc. Tubing anchor and catcher. 3,002,564, 10–3–61, Cl. 166—212.

Baker, Reuben C., Jr.: *See*—
Baker, Reuben C. 2,970,650.

Baker, Richard E., and W. R. Fox, to General Motors Corp. Centrifugal pump. 3,001,517, 9–26–61, Cl. 123—41.47.

Baker, Richard H., to Research Corp. Symmetrical back-clamped transistor switching circuit. 3,010,031, 11–21–61, Cl. 307—88.5.

Baker, Richard W., G. W. Munns, Jr., and R. L. Smith, to Socony Mobil Oil Co., Inc. Isomerization catalyst. 3,003,974, 10–10–61, Cl. 252—451.

Baker, Robert E., and P. W. Martin, to The Airetool Mfg. Co. Pneumatically operated tube expansion control. 3,013,600, 12–19–61, Cl. 153—82.

Baker, Ronald D.: *See*—
Rose, Donald. 3,014,497.

Baker, Samuel B.: *See*—
Pattenden, Warren C., Baker, and Norton. 2,982,727.
Pattenden, Warren C., Plumstead, and Baker. 2,991,244.

Baker, Samuel B., and J. Eng, to Esso Research and Engineering Co. Process for chlorinating hydrocarbons. 2,998,459, 8–29–61, Cl. 260—650.

Baker, Shields P., to General Motors Corp. Automatic test apparatus. 2,996,666, 8–15–61, Cl. 324—73.

Baker, Stanley W., and F. W. Schwab, to Bell Telephone Laboratories, Inc. Method of and means for continuously passing cable including rigid housings through a caterpillar cable engine. 2,981,452, 4–25–61, Cl. 26—1.

Baker, Stephen C. Hydraulic valve. 2,973,778, 3–7–61, Cl. 137—501.

Baker, Thomas E. Axle pulling tool. 2,992,478, 7–18–61, Cl. 29—259.

Baker, Thomas H.: *See*—
Slater, Arthur B., Baker, and Minot. 3,009,119.

Baker, Thomas R., and R. V. Pagendarm, to Baljak Corp. Device for compressing glued areas of folding boxes. 2,997,929, 8–29–61, Cl. 93—51.

Baker, Walter S., and H. M. Dodge, to The General Tire and Rubber Co. Perforating machine with positive acting return. 2,971,419, 2–14–61, Cl. 83—588.

Baker, Warren A., to Coahoma Chemical Co., Inc. Apparatus and method for the degasification and/or dehydration of masses of comminuted particles such as powders or dusts. 2,985,201, 5–23–61, Cl. 141—12.

Baker, Wayne H.: *See*—
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Baker, Willard L., L. J. Berggren, D. B. McIlvin, and F. W. Spencer, to United Shoe Machinery Corp. Plastic injection molding machines. 3,006,032, 10–31–61, Cl. 18—30.

Baker, Willard L., R. L. Peterson, and F. W. Spencer, to United Shoe Machinery Corp. Plastic injection molding machines. 3,014,242, 12–26–61, Cl. 18—30.

Baker, William A., N. V. Germany, and M. Tillyard, to United Shoe Machinery Corp. Machines for applying pressure to shoe bottoms. 3,009,181, 11–21–61, Cl. 12—16.4.

Baker, William E. Atomizing pump. 2,982,215, 5–2–61, Cl. 103—5.

Baker, William O., to Swimquip, Inc. Grab rail construction. 2,974,746, 3–14–61, Cl. 182—93.

Baker, William R., O. A. Anderson, and H. P. Furth, to United States of America, Atomic Energy Commission. Plasma generator device. 2,997,641, 8–22–61, Cl. 322—48.

Bakke, Hans A., and J. L. Paine, to General Electric Co. Oscillographic recorder. 2,995,995, 8–15–61, Cl. 95—55.

Bakke, Jack W.: *See*—
Bakke, John W. 2,992,675.

Bakke, John W., to N. W. and J. W. Bakke, by decree of Final Distribution to. Tire-buffing machine. 2,992,675, 7–18–61, Cl. 157—13.

Bakke, Laurence D., and R. A. Dittmer, to Continental Motors Corp. Exhaust mufflers. 2,975,854, 3–21–61, Cl. 181—49.

Bakke, Norman W.: *See*—
Bakke, John W. 2,992,675.

Bakke, William W., W. E. Walles, and W. F. Tousignant, to The Dow Chemical Co. N-isopropenyl-cyclic carbamate compounds and polymers thereof. 2,993,031, 7–18–61, Cl. 260—77.5.

Bakken, James F.: *See*—
Whitney, Roy P., Han, Bakken, and Kesler. 2,987,432.

Bakker, Martinus A. M.: *See*—
Duran, Johannes C., and Bakker. 2,988,665.

Bakker, Rein: *See*—
Coe, Thomas, and Bakker. 3,010,863.

Bakkeren, Mattheus H. C. M., and J. J. Schuur, to N.V. Aagrunol Chemical Works. Fungicidal quaternary ammonium salts of dithiocarbamic acids. 2,973,297, 2–28–61, Cl. 167—22.

Balaceanu, Jeane C.: *See*—
Baumgartner, Pierre, Bedague, and Balaceanu. 3,006,732.

Balagna, Delbert C.: *See*—
Baird, Ansyl R., and Balagna. 3,005,384.

Balaguer, Rodolfo R., to J. D. Hedges and Co. Ltd. Partnership. Portable lighter. 2,993,977, 7–25–61, Cl. 219—32.

Balaguer, Rodolfo R., to J. D. Hedges. Method of making carbon articles. 3,001,237, 9–26–61, Cl. 18—54.7.

Balamuth, Lewis, and A. Kuris, to Cavitron Corp. Ultrasonic cutting tool. 2,990,616, 7–4–61, Cl. 32—26.

Balamuth, Lewis, and A. Kuris, to Cavitron Corp. Vibratory machine tool and vibratory abrasion method. Re. 25,033, 8–29–61, Cl. 51—59.

Balan, Isadore. Control system. 3,011,102, 11–28–61, Cl. 317—149.

Balaa Collet Mfg. Co.: *See*—
Cox, John R. 2,996,301.

Balassa, Leslie L.: *See*—
Auer, Laszlo, and Balassa. 2,991,260.

Balassa, Leslie L., to J. R. Geigy S.A. Compositions for printing and dyeing textiles. 3,002,939, 10–3–61, Cl. 260—6.

Balaz, Charles S.: *See*—
Chall, Harold J., and Balaz. 3,003,685.
Spesock, Gilbert J., Rolph, and Balaz. 2,970,756.

Balbach, Raymond E., A. Mancina, and E. F. Elms, to R. L. Brown. Hose clip. 2,972,461, 2–21–61, Cl. 248—68.

Balch, Robert A., and L. T. Hall, to said Balch assor. to McGraw-Edison Co. Self-service supports. 3,003,731, 10–10–61, Cl. 248—221.

Balchunas, Charles A., and W. J. McCune, Jr., to General Electric Co. Photoelectric exposure meter. 2,995,975, 8–15–61, Cl. 88—23.

Balchuns, Anthony R. Reading training device. 2,984,916, 5–23–61, Cl. 35—35.

Balchuns, Anthony R. Reading training device. 2,986,822, 6–6–61, Cl. 35—35.

Balcom, Walter J.: *See*—
Grady, William R., and Balcom. 3,012,088.

Balcrank, Inc.: *See*—
Woelfer, Frank C. 3,007,647.

Balda-Kamera-Werk Rudolf Gruter K.G.: *See*—
Lange, Karl H. 2,982,192.
Lange, Karl H. 3,014,673.

Baldauf, Ludwig, and F. Bundschuh, to Maschinenfabrik Augsburg-Nurnberg A.G. Fuel rod carriage for nuclear reactors. 2,995,506, 8–8–61, Cl. 204—193.2.

Balderree, Henry N., Jr. Bag closure seal. 2,981,990, 5–2–61, Cl. 24—30.5.

Baldner, Robert L., and F. G. Pearce, to Pan American Petroleum Corp. Method for separation of gas mixtures. 2,996,890, 8–22–61, Cl. 62—11.

Baldoni, Emil, to Traficante, Inc. Movable converter for the bass mechanism of an accordion. 2,979,980, 4–18–61, Cl. 84—376.

Baldridge, Bruce H., to Bailey Meter Co. Booster relay for pneumatic control systems. 2,974,674, 3–14–61, Cl. 137—85.

Baldridge, Joseph R., to Diamond Alkali Co. Phenoxyacetoxy-butyne-2 derivatives. 3,005,828, 10–24–61, Cl. 260—326.

Baldridge, Ronald. Lapping machine. 2,975,564, 3–21–61, Cl. 51—124.

Baldt Anchor, Chain & Forge Division of The Boston Metals Co.: *See*—
Linnenbank, Charles D. 2,999,352.

Baldwin, Alan W. Coded message error indicating device. 2,978,905, 4–11–61, Cl. 73—156.

Baldwin, Brian E.: *See*—
Leonhardt, Charles G., and Baldwin. 3,007,478.

Baldwin, Clyde P.: *See*—
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Baldwin, Francis P.: *See*—
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Kuntz, Irving, and Baldwin. 3,011,996.
Lambert, Merlan M., and Baldwin. 2,985,618.
Miller, Alfred L., Kuntz, and Baldwin. 2,993,027.
Serniuk, George E., and Baldwin. 2,994,357.
Serniuk, George E., Kuntz, and Baldwin. 3,009,904.

Baldwin, Francis P., and S. B. Robinson, to Esso Research and Engineering Co. Adhesion of rubbery polymers to fibrous materials. 2,968,587, 1–17–61, Cl. 154—139.

Baldwin, Francis P., and S. B. Robinson, to Esso Research and Engineering Co. Adhesion of rubbery polymers to tire cords. 2,968,588, 1–17–61, Cl. 154—139.

Baldwin, Francis P., R. M. Thomas, and I. Kuntz, to Esso Research and Engineering Co. Stabilizing chlorinated rubbery polymers. 2,983,705, 5–9–61, Cl. 260—45.8.

Baldwin, Francis P., R. M. Thomas, and I. Kuntz, to Esso Research and Engineering Co. Stabilizing brominated rubbery polymers. 2,983,706, 5–9–61, Cl. 260—45.7.

Baldwin, Francis P., R. M. Thomas, and I. Kuntz, to Esso Research and Engineering Co. Stabilizing chlorinated rubbery polymers. 2,983,707, 5–9–61, Cl. 260—45.9.

Baldwin, George D., to Truck-Lite Co., Inc. Vehicle light. 3,008,039, 11–7–61, Cl. 240—8.2.

Baldwin, Henry J., P. F. Walker, J. F. Cykler, and R. T. Tribble, to Pineapple Research Institute of Hawaii. Method of injecting liquids into the soil. 3,012,526, 12–12–61, Cl. 111—6.

Baldwin, James F. Alloys for high-temperature service. 2,967,103, 1–3–61, Cl. 75—126.

Baldwin, John A., Jr., and A. Feiner, to Bell Telephone Laboratories, Inc. Magnetically biased switch. 3,002,067, 9–26–61, Cl. 200—87.

Baldwin, John L., Jr., to United States of America, Navy. Wedge cruciform fin. 2,984,181, 5–16–61, Cl. 102—3.

Baldwin, John P., to B-Line Dispensers, Inc. Container and spout therefor. 2,981,443, 4–25–61, Cl. 222—183.

Baldwin, Joseph S. Pipe driving device. 2,988,158, 6–13–61, Cl. 175—152.

Baldwin-Lima-Hamilton Corp.: *See*—
Burdick, George E., and Faust. 3,004,617.
Dawson, Percy B., Jr. 3,013,766.
Govan, William L. 3,007,396.
Karron, Jacob, Landis, and Robbins. 2,995,030.
Kent, Francis J. 2,985,320.
Kent, Francis J., and Hammon. 2,988,211.
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Lee, Donald E. 2,978,900.
Naulty, Albert M. 3,004,609.
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Spier, Hans G. 3,010,294.
Weymouth, Leon J., and Ruge. 2,992,400.
White, Ira M. 2,980,388.
White, Ira M. 2,989,282.
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Wu, Henry H. 2,980,837.
Wyman, Forrester S. 3,005,336.

Baldwin, Philip S., to Fiat Societa per Azioni. Device for differential braking of fore and rear wheels of a motor vehicle. 2,991,797, 7–11–61, Cl. 137—493.

Baldwin, Philip S., ½ to Fiat Societa per Azioni. Hydraulic pressure booster, more particularly for hydraulic brake systems on motor vehicles. 3,007,314, 11–7–61, Cl. 60—54.5.

Baldwin Piano Co., The: *See*—
Bereskin, Alexander B. 3,001,120.
Bissonette, Alfred J., and Kramer. 2,986,964.
Broermann, Kenneth. 2,983,877.
Broxon, Errett C. 2,981,844.
Corwin, Merton D. 3,011,379.
Hugle, Frances B. and W. B. 2,994,621.
Hugle, Frances B. and W. B. 3,013,956.
Jones, Edward M. 2,986,726.
Jones, Edward M. 2,986,963.
Jones, Edward M. 2,994,834.
Jones, Edward M. 3,004,459.
Ludeke, Rudolf, and Gregory. 2,975,328.
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Wayne, William C., Jr. 3,004,460.
Wayne, William C., Jr. 3,007,361.

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Bromley, James E., and Baldwin. 3,009,308.

Baldwin, Richard E., to International Computers and Tabulators Ltd. Paper-feeding mechanisms. 2,991,712, 7–11–61, Cl. 101—227.

Baldwin, Richard H.: *See*—
Friedlander, Herbert N., and Baldwin. 2,970,169.

Baldwin, Robert R., and W. J. Ohan, Jr., to General Foods Corp. Process for irradiating frozen coconut meat. 2,973,271, 2–28–61, Cl. 99—125.

Baldwin, Robert W.: *See*—
Love, Allan W., Baldwin, and Brant. 2,988,690.

Baldwin Rubber Co.: *See*—
Cotterman, Don R., and McDonald. 2,991,212.
Dailey, Vacell D. 2,984,529.
Pryale, Harry M. 2,973,770.

Baldwin, Russell B. Snow plow. 3,002,298, 10–3–61, Cl. 37—45.

Baldwin, Willett F., and L. D. Mullins, to Socony Mobil Oil Co., Inc. Extended range measurement of simulated fluid flow. 2,991,936, 7–11–61, Cl. 235—184.

Baldwin, William J.: *See*—
Traub, Karl W., Frost, and Baldwin. 3,011,901.

Baldyga, Joseph. Height gauge. 2,994,960, 8–8–61, Cl. 33—170.

Bale Guard Corp.: *See*—
Farley, Marvin O. 2,971,643.

Balentine, James H.: *See*—
Scivally, Herschell R., and Balentine. 2,985,439.

Balentine, James H., to Universal Oil Products Co. Apparatus for passing particles from a high pressure vessel. 2,985,324, 5–23–61, Cl. 214—17.

Bales, Jack J. Practice tether ball device. 2,976,040, 3–21–61, Cl. 273—26.

Balfour, Joseph, to Reynolds Metals Co. Method of making pressure welded expanded passageway panels. 2,966,728, 1–3–61, Cl. 29—157.3.

Balfour, Lionel M. J. Racks for supporting articles. 2,968,406, 1–17–61, Cl. 211—60.

Balga, Emery J.: *See*—
Cole, Allan B., and Balga. 2,990,796.

Baliguet, Michel P., G. Ernst, and J. Jardinier, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Mixed correspondence control device for the control members of an aircraft. 2,979,290, 4–11–61, Cl. 244—77.

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Balint, John E., to Controls & Communications Co., Inc. Photoelectric control circuit in combination with a toggle actuated cutter device. 2,978,943, 4–11–61, Cl. 83—362.

Balint, John E., to Controls & Communication Co. Relay control circuit. 2,981,869, 4–25–61, Cl. 317—137.

Balint, Joseph G.: *See*—
Erbguth, Paul F. K., and Balint. 2,987,930.

Baljak Corp.: *See*—
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Gobalet, Kenneth C. 2,970,526.
Gobalet, Kenneth C. 2,984,398.
Hoyrup, Sigurd J. 2,997,928.
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Pierce, Chester J., Jr. 2,997,930.

Balka, William H., and R. P. Lynn, to Lynn Carbon Black Co., Inc. Carbon black process and apparatus. 2,992,074, 7–11–61, Cl. 23—209.6.

Balkin, Mark, and D. G. Turner, to George Angus & Co. Ltd. Method of making reinforced endless rubber belts for use as draft aprons. 3,008,860, 11–14–61, Cl. 156—171.

Balko, Verlie A. Boat trailer tie-down strap. 3,003,740, 10–10–61, Cl. 248—361.

Balkus, Carl E., C. E. Balkus, Jr., and J. P. Balkus. Plant thinning machine. 2,975,579, 3–21–61, Cl. 56—25.4.

Balkus, Carl E., Jr.: *See*—
Balkus, Carl E., C. E. Balkus, Jr., and J. P. Balkus. 2,975,579.

Balkus, James P.: *See*—
Balkus, Carl E., C. E. Balkus, Jr., and J. P. Balkus. 2,975,579.

Ball, Basil V., to H. Brazier Ltd. Metal openwork screens. 2,983,381, 5–9–61, Cl. 209—400.

Ball Brothers Co., Inc.: *See*—
Jelinek, James W. 3,010,368.

Ball, Charles A., Jr., to Cherry Electrical Products Corp. Tease-proof snap-action switch. 2,999,138, 9–5–61, Cl. 200—67.

Ball, Charles A., Jr., and W. L. Cherry, Jr., to Cherry Electrical Products Corp. Snap-action switches. 2,993,101, 7–18–61, Cl. 200—67.

Ball, Charles F., to Joy Mfg. Co. Mining machine having a collapsible disintegrating head. 3,013,783, 12–19–61, Cl. 262—9.

Ball, Eugene E., Jr., to Thompson Ramo Wooldridge Inc. Dual nutating disc apparatus. 2,982,222, 5–2–61, Cl. 103—133.

Ball, Frank J., and R. Pueschel, to West Virginia Pulp and Paper Co. Treatment of kraft black liquor and product. 2,976,273, 3–21–61, Cl. 260—124.

Ball, Frank J., and W. O. Vardell, to West Virginia Pulp and Paper Co. Decantation of lignin. 2,997,466, 8–22–61, Cl. 260—124.

Ball, Gaines L., and J. Hamrick, to Batson-Cook Co. Apparatus for sizing yarn. 2,969,579, 1–31–61, Cl. 28—28.

Ball, Grover J. Apparatus and method for vaporizing butane. 2,971,345, 2–14–61, Cl. 62—53.

Ball, Guy M. Intake manifold. 2,980,087, 4–18–61, Cl. 123—52.

Ball, Jack, to Picker X-Ray Corp. Waite Mfg. Division, Inc. Edge-lighted photo timer. 2,993,123, 7–18–61, Cl. 250—95.

Ball, Jeremy T. Liquid spouting device. 2,982,478, 5–2–61, Cl. 239—11.

Ball, John D., to Jersey Production Research Co. Radioactivity logging of boreholes. 2,971,091, 2–7–61, Cl. 250—71.5.

Ball, John S., and T. H. Gillett, to Henry Simon Ltd. Roller mills for grinding cereal products. 2,969,193, 1–24–61, Cl. 241—227.

Ball, Laurence M.: *See*—
Loofbourrow, Alan G., Ball, Finkenauer, and Jackson. 2,992,852.

Ball, Lloyd D.: *See*—
Cowart, Brooks E., Ball, Crane, and Knowlton. 2,971,698.

Ball, Melvin A. Pulsation dampener. 2,968,319, 1–17–61, Cl. 138—30.

Ball, Robert J.: *See*—
Kay, Solomon E., and Ball. 2,967,112.
Kay, Solomon E., and Ball. 2,977,244.

Ball, Thomas M., to Chrysler Corp. Floatless carburetor. 2,977,099, 3–28–61, Cl. 261—36.

Ball, Thomas M., to Chrysler Corp. Fuel systems. 2,992,643, 7–18–61, Cl. 123—119.

Ball, Thomas M., to Chrysler Corp. Fuel injection system. 2,997,035, 8–22–61, Cl. 123—119.

Ball, Thomas M., to Chrysler Corp. Magnetic fuel injection nozzle. 3,001,757, 9–26–61, Cl. 251—140.

Ball, Thomas M., to Chrysler Corp. Fuel injection system. 3,005,448, 10–24–61, Cl. 123—119.

Ball, Walter M.: *See*—
Webster, Kenneth L., Ball, and Coon. 2,971,305.

Ball, William P., to United States of America, Atomic Energy Commission. Sensitive pressure gauge. 2,966,799, 1–3–61, Cl. 73—398.

Ballantyne, George K.: *See*—
Martin, Leonard J., and Ballantyne. 3,014,173.

Ballard, David C., R. J. Konrad, and R. W. Osborne, to Radio Corp. of America. Electron gun structure. 2,967,963, 1–10–61, Cl. 313—82.

Ballard, Denis G. H., to Courtaulds Ltd. Production of N-carboxy-γ-amino acid anhydrides. 2,993,053, 7–18–61, Cl. 260—307.

Ballard, Denis G. H., to Courtaulds Ltd. Production of N-carboxy-alpha-amino acid anhydrides. 2,996,513, 8–15–61, Cl. 260—307.

Ballard, Donnell A.: *See*—
Pennington, Donald W., Ballard, and Mod. 2,996,356.

Ballard, Hyde W., to James Lees and Sons Co. Method and apparatus for providing a separable protective edge for carpeting. 2,973,801, 3–7–61, Cl. 154—42.

Ballard, Hyde W., to James Lees and Sons Co. Tufting machine clamp cutter. 2,997,009, 8–22–61, Cl. 112—79.

Ballard, Lisbeth K.: *See*—
Rash, Albert, and Ballard. 3,006,501.

Ballard, Sam L. Pipe bending machine. 2,970,633, 2–7–61, Cl. 153—32.

Ballard, Sam L. Flexible mandrel for use in cold bending pipe. 2,984,284, 5–16–61, Cl. 153—63.

Ballard, Seaver A., and E. A. Youngman, to Shell Oil Co. Conversion of unsaturated aldehydes to monomeric products. 2,991,305, 7–4–61, Cl. 260—486.

Ballard, Wiley P.: *See*—
McKinley, John K., Smith, Dickens, and Ballard. 2,998,379.

Ballard, Wiley P., S. P. Dickens, and J. K. McKinley, to Texaco Inc. Treatment of an alkylate to improve the octane number. 2,983,773, 5–9–61, Cl. 260—683.62.

Ballast, Donald E., R. M. Wiley, and S. I. Bates, to The Dow Chemical Co. Formation of solid beads by congelation of suspended liquid droplets. 2,968,066, 1–17–61, Cl. 18—48.

Ballato, Joseph J., R. J. Colangione, and W. Stetz, to Norton Co. Pad holders. 2,995,765, 8–15–61, Cl. 15—230.

Balleis, Peter. Spinning toy top. 2,997,808, 8–29–61, Cl. 46—68.

Ballentine, James B., and O. A. Pickett, to The Chemstrand Corp. Method of coating a flake of nylon with a pigment. 3,011,904, 12–5–61, Cl. 117—16.

Balley, Ronald A., to WIPAC Filtration Ltd. Filters for liquids. 2,982,418, 5–2–61, Cl. 210—448.

Balliett, Charles G., to Taylor Instrument Companies. Electromechanical transducer. 3,009,084, 11–14–61, Cl. 317—177.

Balling, Lawrence A.: *See*—
Weidenbenner, William A., and Balling. 2,973,279.

Ballinger, Dale O.: *See*—
McKinley, John L., and Ballinger. 3,001,714.

Ballinger, Virgil R. Collapsible portable enclosure and sun shield apparatus. 2,967,533, 1–10–61, Cl. 135—1.

Ballinger, Wallace A. Mop having adjustable holder for pocket type mop head. 2,987,745, 6–13–61, Cl. 15—229.

Ballinger, Wallace A. Spring loaded pocket type mop assembly. 2,996,745, 8–22–61, Cl. 15—229.

Ballman, Albert A., A. J. Caporaso, and R. A. Laudise, to Bell Telephone Laboratories, Inc. Method of growing corrundum crystals. 2,979,413, 4–11–61, Cl. 106—42.

Ballman, Robert J., to The Herschede Hall Clock Co. Flag-operating meter. 2,985,134, 5–23–61, Cl. 116—114.

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Balloon Tire Mould Co., Inc.: *See*—
McCrory, John F. 2,990,158.
Scully, Robert L. 3,006,803.

Ballou, Jack W.: *See*—
Brooks, Harvey, and Ballou. 2,974,623.

Ballou, Kenneth D.: *See*—
Lawler, Edward B., and Ballou. 2,969,332.
Lawler, Edward B., and Ballou. 2,997,407.

Ballou, Richard P., to Federal Pacific Electric Co. Push button stations. 2,979,581, 4–11–61, Cl. 200—42.

Ballou, Sidney R., and C. E. Chapman, to W. R. Grace & Co. Lining machines and methods of lining. 3,013,896, 12–19–61, Cl. 117—43.

Balmert, Clemens A.: *See*—
Millard, Ruth, and Balmert. 2,985,562.

Balmes Solanas, Ramón, to Estirajes Balmes, S.A. Driving mechanisms for textile machines. 3,007,211, 11–7–61, Cl. 19—157.

Balogh, Stephen: *See*—
Harle, Harold P., and Balogh. 3,002,363.
Harle, Harold P., Balogh, and Loewenthal. 2,970,453.

Balogh, Stephen, to General Electric Co. Refrigerating system composed of dissimilar metals. 2,979,924, 4–18–61, Cl. 62—511.

Balough, Harold O.: *See*—
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Bals, Edward J., to Micron Sprayers Ltd. Spraying apparatus for treating crops and pests. 2,979,269, 4–11–61, Cl. 239—77.

Balsbaugh, Jayson C., to AMP Inc. Electrical condenser. 2,967,986, 1–10–61, Cl. 317—258.

Balsbaugh, Paul H. Tree limb shaker. 3,013,374, 12–19–61, Cl. 56—328.

Balsiger, Harold E., to Landis Tool Co. Roller-type dressers for grinding wheels. 2,975,782, 3–21–61, Cl. 125—11.

Balsiger, Harold E., to Landis Tool Co. Resilient control of master cam. 2,984,950, 5–23–61, Cl. 51—101.

Baltes, Alphonse J. Road finishing machine. 2,999,433, 9–12–61, Cl. 94—45.

Balthis, Joseph H., to United States of America, Atomic Energy Commission. Process of treating or forming an insoluble plutonium precipitate in the presence of an organic active agent. 2,992,888, 7–18–61, Cl. 23—14.5.

Balthis, Joseph H., Jr., to E. I. du Pont de Nemours and Co. Polymerization of monoolefins with heat-activated group IV-A metal oxide/alumina catalysts. 3,014,020, 12–19–61, Cl. 260—94.9.

Baltimore Biological Laboratory, Inc.: *See*—
Carski, Theodore J. 2,971,892.

Baltimore Gas and Electric Co.: *See*—
Betz, Paul L. 2,992,288.

Baltimore Paint and Chemical Corp.: *See*—
Levin, Isador. 3,006,505.

Baltzer, Otto J., to United States of America, Air Force. Radio direction finding. 2,994,872, 8–1–61, Cl. 343—123.

Baltzer, Otto J., to United States of America, Navy. Missile guidance system. 3,001,186, 9–16–61, Cl. 343—6.

Baluteau, Jean-Michel: *See*—
Rosier, Raymond, and Baluteau. 2,969,706.

Baluteau, Jean Michel, to Societe d'Optique et de Mecanique de Haute Precision. Variable focus optical system. 2,970,517, 2-7-61, Cl. 88—57.

Balzer, Vernon W. Reciprocating machine. 3,007,462, 11-7-61, Cl. 123—58.

Bamberg, Konrad: *See*—
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Bamberger, Julien G., to Masco Corp. Barbecue grills. 2,980,100, 4-18-61, Cl. 126—25.

Bamberger, Julien G., to Masco Corp. Fiber breaking and directing machines. 3,011,257, 12-5-61, Cl. 30—128.

Bamford, Calvin, and M. S. Prentice, to Globe Machine Mfg. Co., Inc. Machine for jointing and gluing bundles of veneer strips. 2,998,039, 8-29-61, Cl. 144—117.

Bamford, Henry S., to Curtiss-Wright Corp. Scanning system for ultrasonic inspection apparatus. 2,989,864, 6-27-61, Cl. 73—67.8.

Ban, Thomas E.: *See*—
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Craighead, Prevost. 2,968,432.

Bancroft-Brillotex International S.A.: *See*—
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Boer, Arpad. 2,982,670.

Bancroft, Charles. Rotary engine. 2,971,500, 2-14-61, Cl. 123—11.

Bancroft, James E., to Allied Control Co., Inc. Solenoid-actuated valve. 2,988,675, 6-13-61, Cl. 317—191.

Bancroft, Joseph, & Sons Co.: *See*—
Russo, Carl J., Trifunovic, and Sinski. 2,997,747.
Russo, Carl J., Trifunovic, and Sinski. 3,000,059.
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Sinski, Henry A. 2,997,838.

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Nowak, Bernhard. 2,976,910.

Bandel, David: *See*—
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Ruschig, Heinrich, Aumuller, Korger, Wagner, Scholz, and Bander. 2,976,317.

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Bane, Elmer F. Spray gun gasket securing device. 2,987,226, 6-6-61, Cl. 222—464.

Banerian, Gordon, to Aerojet-General Corp. Composite bearing. 2,986,430, 5-30-61, Cl. 308—35.

Banes, Fred W.: *See*—
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Nelson, Joseph F., Banes, and Fitz Gerald. 2,967,203.
Nelson, Joseph F., Banes, and McAteer. 3,007,849.

Banes, Fred W., S. B. Mirviss, and J. F. Nelson, to Esso Research and Engineering Co. Utilization of high boiling fractions in preparing petroleum resins. 2,994,689, 8-1-61, Cl. 260—82.

Bang, Bernhard A., W. E. Dill, and R. A. Lee, to The Bendix Corp. Light filter for television pickup tubes and the like. 2,988,644, 6-13-61, Cl. 250—205.

Bang, Mogens W., to Liberty Mfg. Corp. Apparatus for tuning a radio frequency. 2,979,615, 4-11-61, Cl. 250—40.

Bangert, John T., to Bell Telephone Laboratories, Inc. Minimum-phase wave transmission network with maximally flat delay. 2,969,509, 1-24-61, Cl. 333—28.

Baniel, Abraham, to Makhtsavei Israel. Process for the athermal removal of water from aqueous liquors by an organic solvent. 2,967,825, 1-10-61, Cl. 210—21.

Banigan, Thomas F., Jr., to Tidewater Oil Co. Synthetic oil additive. 2,999,067, 9-5-61, Cl. 252—49.8.

Banigan, Thomas F., Jr., to Tidewater Oil Co. Surface ignition suppression. 2,999,740, 9-12-61, Cl. 44—69.

Banister, Guy, to Barber-Greene Co. Power steering system for skid steered vehicles. 2,996,033, 8-22-61, Cl. 74—710.5.

Bank of America National Trust and Savings Assn.: *See*—
Herbert, John F., Jr. 3,003,415.
Herbert, John F., Jr. 3,004,487.
Merritt, Clarence E. 2,974,974.
Muhleck, Earl M. 2,974,973.

Banka, Frank W., to Engineered Products Inc. Lawn mower. 3,014,546, 12-26-61, Cl. 180—19.

Banker, Louis C. Fish hook. 2,984,041, 5-16-61, Cl. 43—43.16.

Banker, Oscar H., to Fawick Corp. Continuous fuel supply means from one or more tiltable tanks. 2,973,121, 2-28-61, Cl. 222—135.

Banker, Oscar H., to Fawdick Corp. Power steering mechanism. 2,977,813, 4-4-61, Cl. 74—388.

Banker, Oscar H., to Fawdick Corp. Fuel pump. 2,977,886, 4-4-61, Cl. 103—11.

Banker, Oscar H., to Fawick Corp. Relief valve for high pressures. 2,989,072, 6-20-61, Cl. 137—491.

Banker, Oscar H., to Fawick Corp. Automatic overdrive and transmission system. 2,989,599, 6-20-61, Cl. 200—6.

Banker, Oscar H. Remote control hydraulic system with emergency manual control. 3,002,501, 10-3-61, Cl. 121—41.

Banker, Oscar H., to Fawick Corp. Over control linkage for governor. 3,004,435, 10-17-61, Cl. 73—543.

Banker, Oscar H., to Fawick Corp. Hydraulic governors. 3,008,335, 11-14-61, Cl. 73—541.

Banker, Oscar H., to Fawick Corp. Multitank fuel system with automatic changeover. 3,014,474, 12-26-61, Cl. 123—127.

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Bankers & Merchants, Inc.: *See*—
Weissman, Samuel M. 2,983,219.

Banks, Charles T., L. J. Schneider, and C. Kranc, to Victrylite Candle Co. Candle dipping machine. 2,996,761, 8-22-61, Cl. 18—24.

Banks, George W. Metering valve. 2,994,343, 8-1-61, Cl. 137—454.5.

Banks, George W. High pressure low torque valve with characterized flow control. 3,010,695, 11-28-61, Cl. 251—205.

Banks, Lester, to Hughes Aircraft Co. Tester. 3,012,198, 12-5-61, Cl. 324—158.

Banks, Robert L.: *See*—
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Banks, Robert L., to Phillips Petroleum Co. Polymerization of ethylene in the presence of vanadium-containing catalyst. 2,986,557, 5-30-61, Cl. 260—94.9.

Banks, Robert R., and R. P. Van Ness, to Air Reduction Co., Inc. Method of preparing a charge for a furnace. 3,012,970, 12-12-61, Cl. 252—188.3.

Banks, Ronald E., A. K. Barbour, C. R. Patrick, and J. C. Tatlow, to National Research Development Corp. Manufacture of fluorinated aromatic compounds. 3,004,077, 10-10-61, Cl. 260—650.

Banks, Waldo H.: *See*—
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Banks, Waldo H., to Draper Corp. Time delay mercury switch. 2,972,025, 2-14-61, Cl. 200—33.

Banks, Waldo H., to Draper Corp. Replenishing mechanism for looms. 3,010,488, 11-28-61, Cl. 139—257.

Banks, Waldo H., to Draper Corp. Replenishing mechanism for looms. 3,013,586, 12-19-61, Cl. 139—257.

Banks, William B., to Automation Products, Inc. Mass presence sensing device. 2,973,639, 3-7-61, Cl. 73—54.

Banks, William H.: *See*—
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Wilson, James D. 2,968,491.

Banner Mining Co.: *See*—
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Horton, Frank E., and Brace. 2,970,036.

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Banner, Robert G., and J. H. Pierce, to Diamond Alkali Co. Tanning with lignin sulfonic acid chromium compound reaction product. 2,995,415, 8-8-61, Cl. 8—94.26.

Bannerman, Douglas G., to E. I. du Pont de Nemours and Co. Filaments of improved dye-receptivity. 2,989,798, 6-27-61, Cl. 28—82.

Bannerman, Gordon H., T. L. Harp, and S. Ruschp, to United States Steel Corp. Tramway. 2,981,205, 4-25-61, Cl. 104—173.

Banning, Thomas A., Jr. Cigarette rolling machines, and the like. 3,006,348, 10-31-61, Cl. 131—59.

Banning, Thomas A., Jr., and E. L. Ranseen, to Thomas A. Banning, Jr., as trustee. Tape recording and translating, and the like. 2,976,354, 3-21-61, Cl. 178—6.6.

Bannister, Cecil H. Automatic sluice device for impounding liquids at a relatively constant storage level. 3,006,150, 10-31-61, Cl. 61—26.

Bannister, Constance L., and J. H. Hatcher. Nursing bottle and nursing bottle assembly. 2,986,296, 5-30-61, Cl. 215—11.

Bannister, Harold V., to Schield Bantam Co. Ballast receptacles for cranes. 2,985,317, 5-23-61, Cl. 212—49.

Bannister, Harold V., ½ to L. J. Wamsley. Pattern heading calculator. 2,996,242, 8-15-61, Cl. 235—61.

Banno, Toshiaki, to Kabushiki-Kaisha Sankyo Seiki Seisakusho. System for synchronously operating cinefilm projector and magnetic tape recorder. 2,976,765, 3-28-61, Cl. 88—16.2.

Banoczi, Joseph A. Whistle whirl toy. 2,970,402, 2-7-61, Cl. 46—63.

Banoczi, Joseph A. Sound emitting flying saucer and top. 3,000,135, 9-19-61, Cl. 46—63.

Banovac, Charles B. Agricultural spraying apparatus. 3,013,728, 12-19-61, Cl. 239—77.

Bansemer, Roland E., to Koehring Co. Bucket chain for trenching machines. 3,010,334, 11-28-61, Cl. 74—250.

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Rosebrook, Roy. 3,006,595.
Weaver, Paul J. 2,971,535.
Weaver, Paul J. 2,976,688.
Weaver, Paul J. 2,984,073.

Banton, Theodore H., to Cattaraugus Cutlery Co. Combination serving tong set. 2,994,553, 8-1-61, Cl. 294—106.

Banton, William E., to Western Electric Co., Inc. Adjustment of frequency sensitive transmission networks. 2,991,436, 7-4-61, Cl. 333—99.

Baptist, Victor H., and A. Cherkin, to Don Baxter, Inc. Aqueous sorbitol enema solution and method of using same. 2,992,970, 7-18-61, Cl. 167—50.

Baptista, Charles O. Strip film projection apparatus. 2,994,247, 8-1-61, Cl. 88—28.

Bara, Edwin S., to Webcor, Inc. Automatic record changer speed control. 2,973,966, 3-7-61, Cl. 274—10.

Bara, Edwin S., to Webcor, Inc. Automatic record changer speed control. 3,002,758, 10-3-61, Cl. 274—10.

Barabas, John J., to Castro Convertible Corp. Convertible bed. 2,968,049, 1-17-61, Cl. 5—55.

Barach, Alvan L., and W. B. Hall, to The Donald Deskey Corp. Air purifier. 2,994,405, 8-1-61, Cl. 183—7.

Baran, John S., to G. D. Searle & Co. Derivatives of 11α-hydroxy-11,19-epoxyandrostanes. 2,975,173, 3-14-61, Cl. 260—239.55.

Baran, John S., to G. D. Searle & Co. 19-hydroxypregnene-3,11,20-triones, derivatives and intermediate 1,19-isopropylidenedioxy steroids used in their preparation. 2,976,284, 3-21-61, Cl. 260—239.55.

Baran, John S., to G. D. Searle & Co. Esters of optionally 17-alkylated androsta-4,6-diene 3β,17β-diols and intermediates thereto. 3,013,028, 12-12-61, Cl. 260—397.5.

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Du Broff, Warren. 2,972,843.

Baranow, Sanford, to General Electric Co. Oxidation resistant alloy. 3,011,889, 12-5-61, Cl. 75—176.

Baranski, Bernard R., to U.S. Industries, Inc. Gear shifting mechanisms. 2,973,657, 3-7-61, Cl. 74—348.

Baranski, Stephen: *See*—
Batlas, George X., and Baranski. 2,974,839.

Barassi, Carlo, to Pirelli S.p.A. Pneumatic tire with separate tread rings and insertable metallic elements. 2,981,302, 4-25-61, Cl. 152—211.

Barassi, Carlo, to Pirelli S.p.A. Pneumatic tire with separate tread rings. 2,990,867, 7-4-61, Cl. 152—176.

Barb, Wolfgang G.: *See*—
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Barba, Angelo J., and R. Borruso. Shoe-shine box. 3,009,187, 11-21-61, Cl. 15—265.

Barbeau, Raymond A., to International Business Machines Corp. Double action high speed punch. 2,989,229, 6-20-61, Cl. 234—115.

Barbeau, Raymond A., W. L. Stahl, and P. M. Young, to International Business Machines Corp. Paper tape transmission system. 2,985,714, 5-23-61, Cl. 178—23.

Barber, Charles C., ½ to G. H. Strock. Portable cabins. 3,010,462, 11-28-61, Cl. 135—1.

Barber-Colman Co.: *See*—
Conn, Alfred J., and Wikelund. 3,001,243.
Marcellus, Phillips B. 2,995,730.
Mason, Harrison G. 2,980,354.
Mason, Harrison G. 2,985,403.
Welker, Oscar L., and Hetchler. 2,997,661.

Barber, Franklin D., to Standard Car Truck Co. Sealed journal bearing for railway car axle. 3,003,832, 10-10-61, Cl. 308—91.

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Barber, Harry A. 3,009,260.

Barber, Harry A., to Barber-Greene Co. Self-adjusting seals for rotary drier drums. 3,009,260, 11-21-61, Cl. 34—141.

Barber, Herbert L., G. F. and D. H. Russell. Gun baseball game. 3,009,452, 11-21-61, Cl. 124—27.

Barber, Justus C.: *See*—
Jenkins, Theron W., Jr., and Barber. 3,008,072.

Barber Machinery Ltd.: *See*—
Russell, Ian C. 2,985,732.
Russell, Ian C. 2,986,940.

Barber Mfg. Co., The: *See*—
Wallace, Donald C. 2,971,577.

Barber, Peter F., to A. C. Cossor Ltd. Secondary radar systems. 3,007,156, 10-31-61, Cl. 343—6.8.

Barber, Ronald J., and J. F. Askam, to Dunlop Rubber Co. Ltd. Apparatus for building pneumatic tyres. 3,014,521, 12-26-61, Cl. 156—401.

Barber, S. Morgan, and E. N. Martin, to Universal Metal Products Corp. Dispensing machine. 2,967,644, 1-10-61, Cl. 222—144.

Barbera, Edmund. Method of applying high pressure to a body. 2,990,583, 7-4-61, Cl. 18—59.3.

Barbiaux, Anthony J. Hand sled. 3,012,794, 12-12-61, Cl. 280—19.

Barbieri, Donald B., E. Becker, T. N. Dalton, and L. S. Galowin, to Curtiss-Wright Corp. High temperature probe. 2,975,225, 3-14-61, Cl. 136—4.

Barbour, Anthony K.: *See*—
Banks, Ronald E., Barbour, Patrick, and Tatlow. 3,004,077.

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Bagley, Glen D., and Barbour. 2,995,440.

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Barbour Welting Co.: *See*—
Greene, Percy W. 2,986,754.
Greene, Percy W. 3,007,185.
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Barbrow, Louis E., and R. S. Wyly, to United States of America, Commerce. Externally illuminated exit indicator for an enclosure. 3,009,751, 11-21-61, Cl. 312—223.

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Barclay, Earle H., to Dairypak Butler, Inc. Container structure. 2,990,998, 7-4-61, Cl. 229—43.

Barclay, Kenneth M., E. J. Nobles, and W. J. Kruppa, to American Cyanamid Co. Process of extruding anthracite coal to form a metallurgical coke-like material. 3,010,882, 11-28-61, Cl. 202—26.

Barco, John F., to Airmite-Midwest Inc. Explosive-containing bag used in blasting. 2,966,855, 1-3-61, Cl. 102—22.

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Barcroft, Joseph, & Sons Co.: *See*—
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Barcus, Edward L.: *See*—
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Bardach, Howard: *See*—
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Bardach, Martin, D. H. Field, K. E. Gooden, and W. J. Hood, to Hughes Aircraft Co. Apparatus for applying insulating material about electrical devices. 2,980,565, 4-18-61, Cl. 154—2.26.

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Bardelli, Roberto. Toy box composing elements for teaching purposes. 2,982,031, 5-2-61, Cl. 35—73.

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Barden, Lyle G. Detachable hitch element. 2,976,060, 3-21-61, Cl. 280—491.

Barden, Wayne A., W. D. Wagner, and C. C. Snyder, to CTS Corp. Push button type electric switch. 2,969,443, 1-24-61, Cl. 200—77.

Barden, Wayne A., and M. B. Arisman, to CTS Corp. Adjustable resistor. 2,997,679, 8-22-61, Cl. 338—180.

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Bardes, Oliver L., and E. A. Hund, to Bardes Corp. Draw bench. 2,998,124, 8-29-61, Cl. 205—3.

Bardet, George V., and R. C. Giesse, to M.J.B. Processing of brown rice. 2,992,921, 7-18-61, Cl. 99—80.

Bardet, George V., and R. C. Giesse, to M.J.B. Co. Rice processing machine. 3,006,269, 10-31-61, Cl. 99—237.

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Barecki, Chester J., to American Seating Co. Automatic reel. 2,979,282, 4-11-61, Cl. 242—107.4.

Bareckl, Chester J., A. C. Hoven, W. E. Nordmark, and B. J. Oom, to American Seating Co. Combination chair-desk structure. 2,979,117, 4-11-61, Cl. 155—124.

Barefoot, John R., and G. H. Goldner, to The McKay Machine Co. Current transfer device for relatively movable members. 2,999,217, 9-5-61, Cl. 339—2.

Baren, Louis. Inflatable buoyant device. 2,986,751, 6-6-61, Cl. 9—310.

Barent, Mark, and S. W. Johnson. Production of manganese hydroxide. 2,997,368, 8-22-61, Cl. 23—145.

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Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Load-carrying compartment for passenger cars. 2,980,466, 4–18–61, Cl. 296—24.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Passenger space construction of a motor vehicle. 2,983,543, 5–9–61, Cl. 296—23.
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Barényi, Béla, to Daimler-Benz Aktiensellschaft. Passenger motor vehicle with rear engine. 2,986,425, 5–30–61, Cl. 296—37.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Sedan type motor vehicle with rimmed top and downwardly extending drainage means. 2,991,120, 7–4–61, Cl. 296—137.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Motor vehicle roof construction. 2,991,121, 7–4–61, Cl. 296—137.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Sliding door for motor vehicles. 2,992,851, 7–18–61, Cl. 296—46.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Transverse reinforcing structure for automobiles. 2,998,280, 8–29–61, Cl. 296—28.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Streamlined motor vehicle body. 3,008,809, 10–10–61, Cl. 296—28.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Ventilating arrangement in motor vehicles. 3,008,400, 11–14–61, Cl. 98—2.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Roof construction for motor vehicles. 3,008,760, 11–14–61, Cl. 296—137.
Barényi, Béla, to Daimler-Benz Aktiengesellschaft. Frame structure for motor vehicles. 3,010,756, 11–28–61, Cl. 296—28.
Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Frame construction for motor vehicles. 3,011,796, 12–5–61, Cl. 280—106.5.
Barera, Lawrence A., W. G. Fiedrich, Jr., and G. J. Le Brasse, to Federal-Mogul-Bower Bearings, Inc. Composite bearings and process of making the same. 2,970,933, 2–7–61, Cl. 117—71.
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Barfod, Frederik, to The Bendix Corp. Mixture control device. 3,009,688, 11–21–61, Cl. 261—69.
Barfod, Frederik, to The Bendix Corp. Gas fuel supply system. 3,009,794, 11–21–61, Cl. 48—184.
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Bariatric Corp.: *See*—
Hall, Donald V. 2,981,657.
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Moseley, Tomlinson I., and Guangorena. 2,978,224.
Bariff, Herbert F., to Hughes Aircraft Co. Hot gas relief valve. 3,002,527, 10–3–61, Cl. 137—514.
Baril, Albert, Jr., and E. Klein, to Kalvar Corp. Photographic materials. 2,976,145, 3–21–61, Cl. 96—49.
Baril, Albert, Jr., and I. H. De Barbieris, to Kalvar Corp. Contact printing apparatus. 2,983,210, 5–9–61, Cl. 95—77.5.
Baring, John A., and E. C. De Forge, to American Radiator & Standard Sanitary Corp. Rate of change and incremental change alarm. 3,012,157, 12–5–61, Cl. 307—120.
Baring-Gould, Sabine L., to Northrop Corp. Gyro stabilization. 3,001,408, 9–26–61, Cl. 74—5.4.
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Barkdoll, Joseph P., to Smith-Corona Marchant Inc. Power driving mechanism for instrumentalities of typewriters. Re. 25,024, 8–15–61, Cl. 197—17.
Barkelew, Richard C. Faucet assembly. 3,011,520, 12–5–61, Cl. 137—625.17.
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Barker, Benedict A. Boat carrier. 2,978,257, 4–4–61, Cl. 280—179.
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Barker, Clifford L., to Walker, Crosweller, & Co. Ltd. Non-return valves. 3,007,485, 11–7–61, Cl. 137—454.2.
Barker, Elmer. Extractor of mired tractors and tanks. 2,986,334, 5–30–61, Cl. 238—14.
Barker Equipment Co.: *See*—
Bruce, Robert A. 2,993,615.
Bruce, Robert A. 3,014,612.
Barker, Fred V. Minnow trap and bucket. 3,002,312, 10–3–61, Cl. 43—56.
Barker, George E., and J. Hurst, to Atlas Chemical Industries, Inc. Water-in-oil emulsion drilling fluid. 3,002,923, 10–3–61, Cl. 252—8.5.
Barker, Harold C., and E. E. Lewis, to E. I. du Pont de Nemours and Co. Ethylene polymer composition containing an alkanol sulfide polymer. 2,995,539, 8–8–61, Cl. 260—45.5.
Barker, John L., to Laboratory For Electronics. Traffic remote control system. 2,989,728, 6–20–61, Cl. 340—40.
Barker, Leonard E. Salamander. 2,995,306, 8–8–61, Cl. 237—55.
Barker, Leslie C. Bowling ball handle. 3,012,784, 12–12–61, Cl. 273—64.
Barker, Loren R., D. W. Parken, and D. C. Kaiser, to Caterpillar Tractor Co. Adjustable cam follower. 3,002,508, 10–3–61, Cl. 123—90.
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Barker, Seth S., E. J. Crane, and A. W. Sharp, to Barker Poultry Equipment Co. Apparatus for scalding fowls. 2,977,628, 4–4–61, Cl. 17—11.2.
Barker, Stephen, to Utility Trailer Mfg. Co. Rubber vehicle suspenaion. 2,995,383, 8–8–61, Cl. 280—124.
Barker, Stephen, and P. M. Heinmiller, to Utility Trailer Mfg. Co. Towing assembly with rubber suspension for trailers. 3,009,713, 11–21–61, Cl. 280—116.
Barkhuff, Earl D., to International Business Machines Corp. Tape cartridge and loading mechanism. 3,004,729, 10–17–61, Cl. 242—55.13.
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Barkhuff, Raymond A., Jr., and N. Platzer, to Monsanto Chemical Co. Method for preparing laminated plastic structures. 2,977,639, 4–4–61, Cl. 18—59.
Barkhuff, Raymond A., Jr., R. I. Dunlap, and N. Platzer, to Monsanto Chemical Co. Method for preparing molded foamed resin article. 2,989,782, 6–27–61, Cl. 18—48.
Barkis, Edward to The Atlantic Refining Co. Fire-resistant lubricating emulsion. 3,003,957, 10–10–61, Cl. 252—32.5.
Barkley, Charles J., to United States Steel Corp. Metallic skewback for furnace roofs. 2,985,121, 5–23–61, Cl. 110—99.
Barkley, Charles R., to Lempco Industrial, Inc. Apparatus for assembling and securing ball bearings within a retainer. 2,997,778, 8–29–61, Cl. 29—201.
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Barkley, Dwight W., to Libbey-Owens-Ford Glass Co. Method of producing electrically conductive articles. 3,001,901, 9–26–61, Cl. 156—222.
Barkley, Lloyd B., to Monsanto Chemical Co. Synthesis of steroids. 3,010,974, 11–28–61, Cl. 260—340.9.
Barkman, David R., to Rite-Way Dairy Farm Equipment Corp. Monitor jar for automatic milking system. 2,997,020, 8–22–61, Cl. 119—14.18.
Barkman, David R., to Package Machinery Co. Wrapping machines. 3,008,280, 11–14–61, Cl. 53—379.
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Ramirez, Ernest R., and Barkman. 2,995,502.

Barkow, Eugene V. Flow control valve. 2,999,512, 9–12–61, Cl. 137—614.16.
Barks, Robert W., to The Bowl Washer Co. Diaper washer and storage receptacle. 3,007,329, 11–7–61, Cl. 68—53.
Barksdale, Lilburn S. Rotary valve. 3,014,499, 12–26–61, Cl 137—624.
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Barlett, Edward E. Apparatus for forming packers ware. 2,987,853, 6–13–61, Cl. 49—72.
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Barlow, Lawrence C., to Federal-Mogul-Bower Bearings, Inc. O-ring service kit. 2,988,205, 6–13–61, Cl. 206—16.
Barlow, Lester P., to Atlas Powder Co. Apparatus for handling explosive cartridges. 2,999,459, 9–12–61, Cl. 102—24.
Barlow, Lou, to William Douglas McAdams, Inc. Anatomical model. 2,971.272, 2–14–61, Cl. 35—17.
Barlow, Thomas E., to International Minerals & Chemical Corp. Core binder. 2,974,050, 3–7–61, Cl. 106—38.5.
Barlow, Walter F., to Amalgamated Wireless (Australasia) Ltd. Gain control for transistor detector or amplifier. 2,997,656, 8–22–61, Cl. 330—20.
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Weber, Wolfgang, and Lobest. 2,978,195.
Barna, Alex J. Archery target. 2,990,179, 6–27–61, Cl. 273—102.
Barnaby, Roland E., to Sperry Rand Corp. Mounting for gyroscope rotors. 2,990,718, 7–4–61, Cl. 74—5.
Barnard, Cecil P., and J. O. Beaumont, to V. J. Pick. Isodose plotter. 3,011,700, 12–5–61, Cl. 235—58.
Barnard, Elton. Eraser cleaner. 2,997,726, 8–29–61, Cl. 15—21.
Barnard, Frank W. Bedstead attachment. 2,994,501, 8–1–61, Cl. 248—226.
Barnard, Jack D., to General Dynamics Corp. Jack type electrical connector. 2,982,935, 5–2–61, Cl. 339—17.
Barnard, Kenneth N. Device for holding magnesium or other galvanic anodes. 3,012,959, 12–12–61, Cl. 204—197.
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Stephens, Will R. 2,985,513.
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Barnard, Robert D.: *See*—
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Barnby, Herbert A., and R. H. Whitney, to Owens-Illinois Glass Co. Aerosol-type package. 3,014,607, 12–26–61, Cl. 215—31.
Barndt, Charles F. Video effects generator. 3,006,993, 10–31–61, Cl. 178—7.2.
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Barnes, Austen B., and F. H. A. Mee, to De Havilland Aircraft of Canada, Ltd. Fluid converters. 3,014,464, 12–26–61, Cl. 121—123.
Barnes, Bernard C. Carton sealing machine. 2,967,387. 1–10–61, Cl. 53—373.
Barnes, Carl E., W. O. Ney, Jr., and J. D. Park, to Minnesota Mining and Mfg. Co. Extrudable polypyrrolidone compositions and process of extruding same. 3,009,893, 11–21–61, Cl. 260—30.2.
Barnes, Casper W., Jr., to A. B. Dick Co. Television projection system employing electrostatic printing. 2,996,573, 8–15–61, Cl. 178—5.4.
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Barnes, Clifton E. Preassembled door frame. 2,996,766, 8–22–61, Cl. 20—11.
Barnes, David K., to Pan American Petroleum Corp. Process for separation of water-soluble chemicals. 2,990,340, 6–27–61, Cl. 202—39.5.
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Estabrook, Mark R. 3,002,404.
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Astheimer, Robert W. 3,003,064.
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Wormser, Eric M. 2,983,888.
Barnes, Garrett H., Jr., and G. W. Schweitzer, to Dow Corning Corp. Reaction of organohydrogenosilicon compounds with hydroxy compounds. 2,967,171, 1–3–61, Cl. 260—46.5.
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Barnes, George H., to Burroughs Corp. Bi-directional current driver. 3,009,070, 11–14–61, Cl. 307—88.5.
Barnes, George H., and R. P. Schneider, to Burroughs Corp. Bidirectional current drive circuit. 2,993,198, 7–18–61, Cl. 340—174.
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Barnes, Harry M., L. T. Kremzner, and W. A. Mitchell, to General Foods Corp. Carbonated ice, process and product. 2,975,603, 3–21–61, Cl. 62—1.
Barnes, Henry L. Pulley. 2,987,933, 6–13–61, Cl. 74—230.17.
Barnes, James F., and E. F. Rebholz, to Foil Process Corp. Production of tubes and structural shapes from metal foils. 2,998,339, 8–29–61, Cl. 154—83.
Barnes, James F., and H. I. Silversher, to Foil Process Corp. Self-cooling roof structure. 3,006,113, 10–31–61, Cl. 50—64.
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Barnes, Joseph D., to Sunbeam Equipment Corp. Heat treating furnace. 3,002,733, 10–3–61, Cl. 263—3.
Barnes, Joseph T. Printing press attachment. 3,007,403, 11–7–61, Cl. 101—148.
Barnes, Kenneth H., and H. F. Schulte, to Bell Intercontinental Corp. Machine for the surface treatment of thin plastic films. 2,993,309, 7–25–61, Cl. 51—14.
Barnes, Kenneth J. Garment bagger. 3,013,761, 12–19–61, Cl. 248—293.
Barnes, Llewellyn T., 33⅓ to C. T. Barnes, and 33⅓ to J. F. Woog. Variable condenser. 2,984,776, 5–16–61, Cl. 317—249.
Barnes Mfg. Co.: *See*—
Page, Oswald V. 2,987,079.
Barnes, Marcus E. Punch for metal sheets. 3,010,207, 11–28–61, Cl. 30—366.
Barnes, Myron H., and J. D. Calandro. Carpet-hard floor joint cover. 2,980,943, 4–25–61, Cl. 16—7.
Barnes, Paul M., O. L. Riggs, and A. H. Roebuck, to Continental Oil Co. Method of paraffin deposition control. 2,981,684, 4–25–61, Cl. 252—8.3.
Barnes, Paul T., to United States of America, Navy. Liquid propellant rocket. 3,013,389, 12–19–61, Cl. 60—39.48.
Barnes, Philip E., to United Aircraft Corp. Servo solenoid valve. 2,977,984, 4–4–61, Cl. 137—623.
Barnes, Richard R., to American Telephone and Telegraph Co. Automatic frequency control for multi-transmitter radio system. 2,991,353, 7–4–61, Cl. 250—6.
Barnes, Richard R., to American Telephone and Telegraph Co. Radiant energy receiving system. 2,993,958, 7–25–61, Cl. 178—88.
Barnes, Robert B., E. M. Wormser, and R. D. De Waard, to Barnes Engineering Co. Selective infra-red detectors. 2,981,913, 4–25–61, Cl. 338—18.
Barnes, Robert B., and P. W. Collyer, to Barnes Engineering Co. In-line spectrometer. 2,995,973, 8–15–61, Cl. 88—14.
Barnes, Robert E. Automatic battery tester. 2,999,980, 9–12–61, Cl. 324—29.5.
Barnes, Robert S., Jr.: *See*—
Beretvas, Helen S., and Barnes. 3,007,911.
Barnes, Samuel R., to American Motors Corp. Combination tailgate window crank and lock. 3,007,348, 11–7–61, Cl. 74—547.
Barnes, Sanford H., and J. E. Mann, to Pacific Semiconductors, Inc. Voltage sensitive semiconductor capacitor. 2,989,671, 6–20–61, Cl. 317—242.
Barnes, W. F. & John, Co.: *See*—
Jackson, Paul S. 3,014,393.
Smith, Clarence J., and Peterson. 2,975,740.
Svenson, Ernest J. 2,971,341.
Svenson, Ernest J. 2,992,614.
Barnes, Walter P. Engine accessory. 3,007,987, 11–7–61, Cl. 123—148.
Barnes, William A.: *See*—
Zeidler, Reinhold C., Barnes, and Lysett. 2,989,004.
Barnes, William P., Jr.: *See*—
Rice, Millard L., and Barnes. 2,977,879.

Barnes-Moss, Kenneth C.: *See*—
Goldsmith, Charles N., and Barnes-Moss. 3,007,463.
Barnet, Fredrick R.: *See*—
Johnson, Walter T., and Barnet. 2,970,343.
Prosen, Stanley P., and Barnet. 2,983,224.
Prosen, Stanley P., and Barnet. 3,005,408.
Barnett, Charles H., and R. E. Teagle, to The Foundry Equipment Co. Mold drying and cooling oven. 2,988,351, 6–13–61, Cl. 263—40.
Barnett, Donald K., to Winkel Machine Co., Inc. Mixer. 2,968,472, 1–17–61, Cl. 259—2.
Barnett, Edward H.: *See*—
Lipshutz, Sidney, and Barnett. 2,967,004.
Barnett, Eugene J., to Westinghouse Electric Corp. Electrical apparatus. 3,014,476, 12–26–61, Cl. 126—214.
Barnett, Eugene J., and L. G. Hopkins, to Westinghouse Electric Corp. Fastening device. 2,998,815, 9–5–61, Cl. 126—190.
Barnett, Forest H. Boat loading device. 2,967,635, 1–10–61, Cl. 214—450.
Barnett, Gabriel: *See*—
Powers, Donald H., and Barnett. 2,972,582.
Barnett, Harry E. Combination illuminated writing instrument and flashlight. 2,979,602, 4–11–61, Cl. 240—6.46.
Barnett, Hugh W., L. White, and H. R. Nordin, to Canada Packers, Ltd. Process for the production of smoked meat products. 2,973,277, 2–28–61, Cl. 99—229.
Barnett, John O.: *See*—
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Barnett, John S., to Photographic Analysis, Inc. Apparatus for contour plotting. 2,988,953, 6–20–61, Cl. 88—14.
Barnett, John S., and W. J. Karplus, to Photographic Analysis, Inc. Missile tracking system. 3,010,024, 11–21–61, Cl. 250—203.
Barnett, Lawrence. Projectile. 2,976,042, 3–21–61, Cl. 273—106.5.
Barnett, Lee A., ¼ to Gadget-Of-The-Month Club, Inc. Manually operable carousel-simulating toy. 2,999,335, 9–12–61, Cl. 46—220.
Barnett, Robert E., to United States of America, Army. Spin activated battery. 2,990,442, 6–27–61, Cl. 136—90.
Barney, Duane L., to General Electric Co. Composite magnetic core structure and method of making same. 2,991,378, 7–4–61, Cl. 310—211.
Barney, Harold L., to Bell Telephone Laboratories, Inc. Hydrophone. 2,978,672, 4–4–61, Cl. 340—14.
Barney, Joseph N., and L. B. Lisher, to General Motors Corp. Axial flow compressor. 3,014,640, 12–26–61, Cl. 230—120.
Barnhart, Carlton L. Bottled drink vending machine. 2,986,304, 5–30–61, Cl. 221—125.
Barnhart, George E. Seal means. 2,977,167, 3–28–61, Cl. 309—33.
Barnhart, Harry E., to The Bendix Corp. Electrical connector. 2,968,020, 1–10–61, Cl. 339—192.
Barnhart, Harry E., and C. O. Derr, to The Bendix Corp. Sealed thermocouple. 2,987,565, 6–6–61, Cl. 136—1.
Barnhart, Homer W. Mechanical registration of process color. 3,000,737, 9–19–61, Cl. 96—30.
Barnhart, James A., ¼ to O. R. Leiser. Hand sander. 3,014,316, 12–26–61, Cl. 51—187.
Barnhart, John S. Retractable step structure for vehicles. 2,973,826, 3–7–61, Cl. 182—91.
Barnhart, Sherman S., Jr.: *See*—
Oakes, William S., Jr., and Barnhart. 3,005,949.
Barnhart, William: *See*—
Brenner, Bernard M., and Barnhart. 3,012,106.
Barnhart, William S., J. L. Zollinger, and C. W. Weber, to Minnesota Mining and Mfg. Co. Thermally stable viscous materials containing bromofluorohalogenated alkane oils. 2,992,989, 7–18–61, Cl. 252—58.
Barnhart, William S., and R. H. Wade, to Minnesota Mining and Mfg. Co. Chemical compounds and process for the preparation thereof. 2,996,525, 8–15–61, Cl. 260—408.
Barnhill, Levi H. Bed attachment. 3,005,212, 10–24–61, Cl. 5—327.
Barnhill, Noel W.: *See*—
Griffin, Clarence F., Jr., and Barnhill. 2,984,895.
Barnickel, Arthur K., and W. A. Hooks, to Cutler-Hammer, Inc. Electrical controller for steering apparatus. 3,001,540, 9–26–61, Cl. 137—112.
Barnothy, Jeno M. Radiation measuring device. 2,978,602, 4–4–61, Cl. 313—93.
Barns, Fred K., to The B. F. Goodrich Co. Elastomeric strip shrinking apparatus and method. 3,011,211, 12–5–61, Cl. 18—2.
Barns, Fred K., and E. E. Thompson, to The B. F. Goodrich Co. Profiled tire tread splicing. 3,007,511, 11–7–61, Cl. 156—394.
Barnum, Emmett, R. C. L. Mahoney, and K. J. Sax, to Shell Oil Co. Lubricating compositions and process of lubrication utilizing certain polyoxyphenylene compounds. 3,006,852, 10–31–61, Cl. 252—52.
Baron, Claire: *See*—
Laborit, Henri, Guiot, Moynier, Baron, and Trzebski. 3,009,859.
Baron, Edward H.: *See*—
Monson, Walter T., Alme, and Baron. 3,009,205.
Baron, Hubertus, and H. Friederich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of chloralkyl esters of acrylic acid and its substitution products. 3,009,947, 11–21–61, Cl. 260—486.
Barone, Roland: *See*—
Hough, Robert R., and Barone. 3,002,869.
Barothy, Charles F., G. W. Piper, Jr., and R. E. Salbeck, to Western Electric Co., Inc. Apparatus for assembling and fabricating articles. 2,988,114, 6–13–61, Cl. 140—93.
Barothy, Charles F., and K. R. Lagler, to Western Electric Co., Inc. Two-position work-feeding apparatus. 2,988,234, 6–13–61, Cl. 214—1.
Bar-Plate Mfg. Co., The: *See*—
Polayes, Jack. 2,996,961.
Polayes, Jack. 3,000,104.
Barr, Chalmers W., to Riegel Paper Corp. Food container. 2,996,236, 8–15–61, Cl. 229—40.
Barr, Claude J., to Olin Mathieson Chemical Corp. Method of manufacturing solid propellants having a polymeric fuel-binder using a plurality of crosslinking agents. 3,002,830, 10–3–61, Cl. 52—.5.
Barr, Clifford L., to Shell Oil Co. Salt water disposal system. 2,986,215, 5–30–61, Cl. 166—67.
Barr, Douglas C. Stapling device. 2,972,151, 2–21–61, Cl. 1—189.
Barr, Frederick E., and W. S. Blanding, to Corning Glass Works. Screening machine for granular materials. 2,982,410, 5–2–61, Cl. 209—245.
Barr, Gilbert R.: *See*—
Mulvany, Richard B., and Barr. 2,970,418.
Barr, Harry F.: *See*—
Etchells, Eugene B., Kolbe, and Barr. 2,983,335.
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Etchells, Eugene B., Kolbe, and Barr. 3,014,554.
Barr, Irwin R.: *See*—
Merrill, Howard W., Youngquist, and Barr. 2,968,454.
Zouck, Robert L., and Barr. 2,981,350.
Barr, Irwin R., to United States of America, Army. Method of vision block installation. 2,974,407, 3–14–61, Cl. 29—428.
Barr, Irwin R., J. N. Bond, B. W. Gore, Jr., and N. J. La Costa, to Aircraft Armaments, Inc. Rocket gun. 3,004,475, 10–17–61, Cl. 89—1.7.
Barr, John D., and D. McC. Sloan, to The Sperry Gyroscope Co. Ltd. Pick-off devices. 2,998,728, 9–5–61, Cl. 74—5.6.
Barr, Josiah M. Toy engine starting device. 2,991,779, 7–11–61, Cl. 123—179.
Barr, Naaman F., and H. J. Bach, to American-Marietta Co., Stoner-Mudge Co. Division. Coating sheet metal containers. 2,966,874, 1–3–61, Cl. 113—120.
Barr, Naaman F., and F. G. Alster, to American Marietta Co., Stoner-Mudge Co. Division. Polymeric sanitary coating system. 2,985,600, 5–23–61, Cl. 260—19.
Barr, Robert M.: *See*—
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Barr, Samuel R., M. J. Loehle, and P. F. Frássica, to General Electric Co. Negative gravity hydraulic system. 3,001,368, 9–26–61, Cl. 60—53.
Barr and Stroud Ltd.: *See*—
Strang, John M. 2,989,889.
Barragan (Rivera). Hydraulic protector for brakes. 2,992,535, 7–18–61, Cl. 60—54.5.
Barrallon, Georges, to Compagnie des Ateliers et Forges de la Loire. Core making machine. 2,978,760, 4–11–61, Cl. 22—10.
Barrasso, Joseph R.: *See*—
Whittle, Richard H., and Barrasso. 2,971,585.
Barratt, Jesse, to Scovill Mfg. Co. Fastener setting tool. 3,013,272, 12–19–61, Cl. 1—317.
Barravecchia, Domenick P. Liquid dispensing closure cap. 2,979,219, 4–11–61, Cl. 215—65.
Barre, Louis A., III: *See*—
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Barreca, Henry J. Boot sole straightening and carrying device. 3,013,286, 12–19–61, Cl. 12—120.5.
Barrer, Richard M., and J. W. Baynham, to Union Carbide Corp. Crystalline zeolite Z and method for preparing same. 2,972,516, 2–21–61, Cl. 23—113.
Barrer, Richard M., and F. W. Bultitude, to Union Carbide Corp. Process for producing sodium zeolite A. 2,982,612, 5–2–61, Cl. 23—113.
Barrer, Richard M., and D. C. Sammon, to Union Carbide Corp. Ion-exchange of zeolites. 3,010,785, 11–28–61, Cl. 23—31.
Barrett, Arthur M., to Barrett-Cravens Co. Multi-piston fluid motor. 2,990,813, 7–4–61, Cl. 121—38.
Barrett, Arthur M., Jr. Electronic steering for industrial trucks. 2,996,621, 8–15–61, Cl. 250—202.
Barrett, Arthur M., Jr., to Barrett-Cravens Co. Control system. 3,012,178, 12–5–61, Cl. 318—271.
Barrett Bindery Co., The: *See*—
Wolfe, Edgar H. 2,982,568.
Barrett, Edward E., L. M. Kolensky, and C. J. Votaw, to Bell Telephone Laboratories, Inc. Selective calling system. 2,974,187, 3–7–61, Cl. 178—3.
Barrett, Edward F., and H. B. Bak, to Victor Mfg. & Gasket Co. Rotary seal. 2,992,024, 7–11–61, Cl. 286—11.
Barrett, Francis. Device for making snow. 3,010,660, 11–28–61, Cl. 239—434.
Barrett, Harry B. Riveting machine. 3,000,242, 9–19–61, Cl. 78—41.
Barrett, Harry B. Machines for stripping lining from automotive brake shoes. 3,000,431, 9–19–61, Cl. 154—1.
Barrett, Martin P., to Mechanical Industries Production Co. Offset arm motor protector. 3,012,119, 12–5–61, Cl. 200—113.

Barrett, Philip C.: *See*—
Kreuchen, Karl H. R. C., and Barrett. 3,001,893.

Barrett, Robert D.: *See*—
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Barrett, Robert D., to International Harvester Co. Retaining means for preventing relative axial displacement between members. 2,998,988, 9–5–61, Cl. 287—63.

Barrett-Cravens Co.: *See*—
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Barrett, Arthur M., Jr. 3,012,178.
Paradise, Francis C. 2,993,703.
Paradise, Francis C. 3,007,547.

Barrial, Harold J.: *See*—
Mendelsohn, Julian P., Grant, and Barrial. 2,971,333.

Barrick, James G., and J. P. Manion, to United States of America, Atomic Energy Commission. Precipitation of plutonous peroxide. 2,996,352, 8–15–61, Cl. 23—14.5.

Barricklow, Charles H.: *See*—
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Barrier, Inc.: *See*—
Cooper, Roydon B., and Malinovezky. 3,006,403.

Barritt, Max E., to Whirlpool Corp. Detergent dispenser. 2,969,072, 1–24–61, Cl. 134—93.

Barritt, Max E., and N. L. Fuqua, to Whirlpool Corp. Signal device. 3,004,205, 10–10–61, Cl. 318—490.

Barron, Archie N.: *See*—
Nesbitt, Lyle E., Barron, and Bradford. 2,986,538.

Barron, Curtis L. Expansion gasket for liquid conveyors. 2,969,615, 1–31–61, Cl. 50—155.

Barron, Edward R., to United States of America, Army. Insulated ski boot structure. 2,967,359, 1–10–61, Cl. 36—2.5.

Barron, George. Electrical amplification to woodwind musical instruments. 2,984,140, 5–16–61, Cl. 84—1.04.

Barron, John T., to Milton Roy Co. System with leakproof plural-way ball valve. 3,011,685, 12–5–61, Cl. 222—249.

Barron, Lee H. Drill and countersink tool. 2,978,846, 4–11–61, Cl. 51—206.

Barron, Richard H.: *See*—
Barron, William, Robert H., and Richard H. 2,998,648.

Barron, Robert H.: *See*—
Barron, William J., Robert H. and Richard H. 2,998,648.

Barron, William J., Robert H., and Richard H. Electric razor pivotally mounted in an outer casing. 2,998,648, 9–5–61, Cl. 30—43.

Barrow, Christopher W. M., and R. J. F. Derbyshire, to Siemens Edison Swan Ltd. Magneto-strictive delay lines. 2,982,925, 5–2–61, Cl. 333—30.

Barrow, Christopher W. M.: *See*—
Showell, Herbert A., and Barrow. 3,009,133.

Barrows, Howard E., to John Oster Mfg. Co. Air and water inlet for lather making machine. 2,973,324, 2–28–61, Cl. 252—359.

Barrows, Howard E., to John Oster Mfg. Co. Air and water inlet for lather making machine. 2,973,325, 2–28–61, Cl. 252—359.

Barrows, Royal L., to Bowl-Mor Co., Inc. Mechanism for raising and lowering pinsetter board in a bowling pinsetting machine. 3,014,720, 12–26–61, Cl. 273—42.

Barry, Austin W., and R. P. Schake, to Daystrom, Inc. Voltage compensated resistance bridge. 2,974,279, 3–7–61, Cl. 324—62.

Barry, Beresford T. K.: *See*—
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Barry, Edward G., to Socony Mobil Oil Co., Inc. Radiation resistant lubricating oil. 2,982,730, 5–2–61, Cl. 252—59.

Barry, Frank W., to United Aircraft Corp. Air-inlet controller. 2,971,329, 2–14–61, Cl. 60—35.6.

Barry, George H., to Collins Radio Co. Delay line phase-pulse generator. 2,969,430, 1–24–61, Cl. 178—51.

Barry, George H., to Collins Radio Co. Phase lock synchronizer for controlled-shift data communication system. 2,984,701, 5–16–61, Cl. 178—66.

Barry, John K.: *See*—
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Barry, John N., and S. F. Fisher, to The General Electric Co. Ltd. Transistorized pulse demodulator. 2,996,680, 8–15–61, Cl. 329—102.

Barry, Kenneth B. Switch operated brake control. 3,000,476, 9–19–61, Cl. 192—3.

Barry, Leonard D. Implement positioning device. 2,969,119, 1–24–61, Cl. 172—2.

Barry, Patrick H. P. Radiated refrigeration engine cooling. 2,970,580, 2–7–61, Cl. 123—41.19.

Barry, Philip H., and R. C. Swanson, to Teletype Corp. Apparatus for detecting errors in telegraph signals. 3,008,005, 11–7–61, Cl. 178—23.

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Zacks, Florence B. 2,989,173.

Barry, Richard H. Friable tablet and process for manufacturing same. 2,996,431, 8–15–61, Cl. 167—82.

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Dungfelder, Chris C., and Siver. 2,984,334.

Barsditis, Edward A.: *See*—
Barsditis, Stanley V. 3,007,332.

Barsditis, Stanley V., deceased, E. A. Barsditis, administrator. Door locking mechanism. 3,007,332, 11–7–61, Cl. 70—92.

Barsel, Norman: *See*—
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Barsel, Norman, and J. J. Goodman. Method for the production of raisins and product produced thereby. 2,984,572, 5–16–61, Cl. 99—168.

Barsky, George, and V. K. Babayan, to E. F. Drew & Co., Inc. Alcohol soluble glycerides. 2,988,483, 6–13–61, Cl. 167—82.

Barsky, George, and V. K. Babayan, to E. F. Drew & Co., Inc. Alcohol soluble pharmaceutical compositions. 2,988,484, 6–13–61, Cl. 167—82.

Barsky, George, and H. C. Bierman. Method of forming plastisol gaskets on metal members. 3,000,759, 9–19–61, Cl. 117—97.

Barson, Fred, and M. Genser, to International Business Machines Corp. Semiconductor device manufacturing. 3,010,855, 11–28–61, Cl. 148—1.5.

Barstow, Frederick E., and I. F. Eastman, to Edgerton, Germeshausen & Grier, Inc. Electric-discharge system. 2,977,509, 3–28–61, Cl. 315—241.

Barstow, Howard E., to Rubber Barricade Co., Inc. Road barricade. 2,981,519, 4–25–61, Cl. 256—64.

Barstow, William F., to Southwest Industries, Inc. Process for generating inert gas. 3,000,707, 9–19–61, Cl. 23—281.

Barta, Anthony J., to Plymouth Industrial Products, Inc. Apparatus for mixing thermoplastic materials with fillers. 2,994,914, 8–8–61, Cl. 18—2.

Barta, Henry J., to S & C Electric Co. Circuit interrupter operating means. 2,978,558, 4–4–61, Cl. 200—146.

Barta, Joseph A. Hoop rolling device. 2,979,860, 4–18–61, Cl. 46—220.

Bartay, Delmar M.: *See*—
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Bartel, George H., to Hot Shot Products Co. Electrical stock prod. 2,981,465, 4–25–61, Cl. 231—2.

Bartel, Günter, to Mobay Chemical Co. Door holding device. 3,012,269, 12–12–61, Cl. 16—86.

Bartel, Walter A. Double implement drawbar. 2,971,774, 2–14–61, Cl. 280—412.

Bartelheim, Leland A.: *See*—
Bontecue, Frederic C., and Bartelheim. 2,984,697.

Bartelink, Everhard H. B. Highway traffic control system. 2,999,999, 9–12–61, Cl. 340—31.

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Bartell, William W., M. A. Ayoub, R. W. Houghton, and J. Clayton, Jr., to Waters Mfg., Inc. Potentiometer. 2,974,300, 3–7–61, Cl. 338—170.

Bartels, Bernard E.: *See*—
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Bartels, Bernhard E., to Sylvania Electric Products Inc. Electroluminescent device. 2,991,385, 7–4–61, Cl. 313—108.

Bartels, Ernst A.: *See*—
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Bartels, Ernst A., B. Brähler, J. Reese, and R. Zimmermann, to Chemische Werke Albert. 3-trichloromethyl-thio benzoxazolones. 2,974,085, 3–7–61, Cl. 167—33.

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Barth, Bruce P., to Union Carbide Corp. Binder compositions. 2,999,283, 9–12–61, Cl. 22—193.

Barth, Eugene I., to Western Electric Co., Inc. Capacitor sections and methods of making the same. 2,968,583, 1–17–61, Cl. 117—213.

Barth, Eugene W., and J. R. Shields, to Carrier Corp. Shaft speed limiting apparatus. 2,973,771, 3–7–61, Cl. 137—57.

Barth, John W., to Jacobsen Mfg. Co. Grass catcher. 2,983,095, 5–9–61, Cl. 56—202.

Barth, Heinz, and R. Hosemann. X-ray diffraction arrangement. 2,996,616, 8–15–61, Cl. 250—51.5.

Barth, Walter: *See*—
Nagel, Roland, Barth, and van Waveren. 2,984,105.

Barth, Walter, and G. Jahn, to Maybach-Motorenbau G.m.b.H. Centrifugal governor. 3,005,350, 10–24–61, Cl. 73—544.

Barthel, Karl, to Schnellpressenfabrik A.G. Heidelberg. Impression cylinders. 3,000,301, 9–19–61, Cl. 101—375

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Nomine, Gerard, Penasse, and Barthelemy. 2,984,551.
Nomine, Gerard, Penasse, and Barthelemy. 2,989,438.

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Bartholomay, Henry W., to E. I. du Pont de Nemours and Co. Process of preparing pigment delustered cellulose acetate yarn. 2,990,291, 6–27–61, Cl. 106—192.

Bartholomew, James H., to Monarch Elevator & Machine Co., Inc. Hydraulic elevator control system. 3,001,367, 9–26–61, Cl. 60—52.

Bartholomew, John R., to Eaton Mfg. Co. Disengagement preventing means for a two speed axle. 2,971,393, 2–14–61, Cl. 74—336.5.

Bartholomew, Thomas L., and C. S. Kuhn. Education machine of the question and hidden answer variety. 2,983,053, 5–9–61, Cl. 35—9.

Barthruff, Otto, to Eugen Bauer G.m.b.H. Camera viewfinder attachment for varying the field of view. 2,970,509, 2–7–61, Cl. 88—1.5.

Barth-Wehrenalp, Gerhard, and A. Kowalski, to Pennsalt Chemicals Corp. Phosphorus compounds and process for making. 2,975,028, 3–14–61, Cl. 23—14.
Bartik, William J.: *See*—
Sims, John C., Jr., and Bartik. 2,978,681.
Bartl, Herbert, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of polymerization products. 2,967,174, 1–3–61, Cl. 260—78.5.
Bartleson, John D.: *See*—
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Bartlett, Allen R., to Harbor Metal Products Corp. Shelf structure. 2,990,067, 6–27–61, Cl. 211—147.
Bartlett, C. O., & Snow Co., The: *See*—
Arms, Milo F., and Payton. 3,013,565.
Bartlett, Christopher L.: *See*—
Annett, Albert E., and Bartlett. 2,983,188.
Bartlett, Curry M., to H. F. Livermore Corp. Weft end parting and holding devices. 2,973,017, 2–28–61, Cl. 139—263.
Bartlett, Curry M., to H. F. Livermore Corp. Weft end parting and holding devices. 3,013,587, 12–19–61, Cl. 139—263.
Bartlett, Edward E. Manufacture of lamp chimneys. 2,993,305. 7–25–61, Cl. 49—80.
Bartlett, Flora S. Cap closure for bottles and tubes. 2,977,015, 3–28–61, Cl. 215—76.
Bartlett, George H. Child's adjustable exerciser. 2,968,337, 1–17–61. Cl. 155—18.
Bartlett, Harold W., to California Packing Corp. Means and methods for color sorting articles. 2,988,219, 6–13–61, Cl. 209—111.
Bartlett, Jeffrey H.: *See*—
Morway, Arnold J., and Bartlett. 2,980,615.
Morway, Arnold J., and Bartlett. 2,985,590.
Morway, Arnold J., and Bartlett. 3,001,938.
Morway, Arnold J., and Bartlett. 3,010,901.
Morway, Arnold J., Bartlett, and Muessig. 2,977,303.
Wanless, Graham G., Morway, Bartlett, and Muessig. 3,000,825.
Bartlett, Jeffrey H., and I. Kirshenbaum, to Esso Research and Engineering Co. Method of defoliating plants. 2,988,440, 6–13–61, Cl. 71—2.7.
Bartlett, Joseph E. Replacement valve assembly. 3,007,671, 11–7–61, Cl. 251—88.
Bartlett, Lawrence C.: *See*—
Adler, Charles R., and Bartlett. 2,972,546.
Bartlett, Marjorie: *See*—
Bartlett, Norman. 3,006,642.
Bartlett, Norman, ½ to M. Bartlett. Amusement ride. 3,006,642, 10–31–61, Cl. 272—34.
Bartlett, Norman M. Fruit graders. 3,008,579, 11–14–61, Cl. 209—91.
Bartlett, Paul D., and B. E. Tate, to The B. F. Goodrich Co. Thiolactones and method of preparation. 2,978,460, 4–4–61, Cl. 260—332.3.
Bartlett, Percy H., to Bartlett Trailer Corp. Air suspension system for tandem axles. 2,998,261, 8–29–61, Cl. 280—81.
Bartlett, Philip L., to E. I. du Pont de Nemours and Co. Inhibiting gel formation in fuel oils. 2,980,518, 4–18–61, Cl. 44—66.
Bartlett, Richard T.: *See*—
Marion, Clyde E., Bartlett, and Clark. 3,010,529.
Bartlett, Thomas B., to The Gamewell Co. Multivibrator. 2,989,704, 6–20–61, Cl. 328—200.
Bartlett Trailer Corp.: *See*—
Bartlett, Percy H. 2,998,261.
Bartlett, William. Pressure sensitive tape can and dispenser. 2,977,034, 3–28–61, Cl. 225—47.
Bartley, Charles E., to California Institute Research Foundation. Solid composite propellant containing polysulfide rubber fuel binder. 2,997,376, 8–22–61, Cl. 52—.5.
Bartley, Wayne D. Picture recording apparatus. 3,014,090, 12–19–61, Cl. 178—7.4.
Bartley, William W.: *See*—
Wells, Sheldon E., and Bartley. 2,983,373.
Bartmann, Arthur G. Golf tee holders. 3,014,595, 12–26–61, Cl. 211—60.
Bartmann & Bixer, Inc.: *See*—
Petzal, Henry. 2,978,735.
Bartner, Elliot, and J. Yakubik, to Olin Mathieson Chemical Corp. Parenterally administrable preparations of nystatin. 3,011,946, 12–5–61, Cl. 167—65.
Bartnoff, Shepard, to Westinghouse Electric Corp. Thermoelectric systems. 3,005,766, 10–24–61, Cl. 204—193.2.
Bartnoff, Shepard, to Westinghouse Electric Corp. Thermoelectric systems. 3,008,890, 11–14–61, Cl. 204—193.2.
Bartole, Joseph A.: *See*—
Belden, Merland C. and D. R., and Bartole. 3,008,520.
Bartolomeo, Frank A., H. D. Ledbetter, and J. M. McDuff, to The Dow Chemical Co. Purifying polymerized olefins prepared with catalytic metal compounds and compositions thereby obtained. 3,004,963. 10–17–61. Cl. 260—94.9.
Bartolucci, Edgar. Swimming pool cover. 2,980,921, 4–25–61, Cl. 4—172.
Barton, Bernard C., and H. E. Haxo, Jr., to United States Rubber Co. Pneumatic tire. 2,981,304, 4–25–61, Cl. 152—330.
Barton, David W., to Chrysler Corp. Liquid fuel and air pumping unit. 2,996,882, 8–22–61, Cl. 60—39.27.
Barton, David W., to Ford Motor Co. Power steering mechanism. 2,997,123, 8–22–61, Cl. 180—79.2.
Barton, David W., and G. A. Ulrich, to Ford Motor Co. Power steering device. 2,978,057, 4–4–61, Cl. 180—79.2.
Barton, Dennis F.: *See*—
Friedland, Siegmund, Sutton, Doggart, and Barton. 2,967,329.
Barton, Edward D.: *See*—
Laviana, Donald W., and Barton. 3,011,034.
Barton, Edwin C., to Packless Metal Hose, Inc. Corrugated metal hose connections. 2,987,329, 6–6–61, Cl. 285—149.
Barton, Francis M., to Foster Wheeler Corp. Radiant wall construction for vapor generator. 2,981,241, 4–25–61, Cl. 122—6.
Barton, Frantisek: *See*—
Deiss, Jaroslav, Dvorak, Barton, and Koristek. 2,966,782.
Barton, George C., A. Z. Kiss, and H. Mellors, to United Shoe Machinery Corp. Plastic injection sole molding machines. 2,988,779, 6–20–61, Cl. 18—30.
Barton, Gerald B.: *See*—
Johnson, Benjamin M., Jr., and Barton. 3,008,904.
Barton Instrument Corp.: *See*—
Granada, Richard P. 2,995,106.
Barton, James, to Frederic B. Stevens, Inc. Work handling machine with skip mechanism. 2,972,403, 2–21–61, Cl. 198—19.
Barton, James S.: *See*—
Kennemer, Robert E., Immel, Cambron, and Barton. 2,971,802.
Barton, Leon M., to General Electric Co. Modulation of selected phases of carriers for simultaneous transmission through single delay means. 2,976,363, 3–21–61, Cl. 178—50.
Barton, Loy E.: *See*—
Mueller, Charles W., and Barton. 2,968,751.
Barton, Paul D., and E. T. Young, to Sun Oil Co. System for transferring predetermined quantities of fluids. 3,001,543, 9–26–61, Cl. 137—242.
Barton, Paul D., and C. H. Brooks, to Sun Oil Co. Removal of impurities from volatile liquids. 3,007,980, 11–7–61, Cl. 260—676.
Barton, Paul M., and J. E. Jennings, to Jennings Radio Mfg. Corp. Fire alarm system using a plural oscillator radio transmitter. 2,989,621, 6–20–61, Cl. 250—4.
Barton, Raymond W., and O. P. Nuffer, to Baxter Laboratories, Inc. Intravenous administration equipment. 3,003,500, 10–10–61, Cl. 128—214.
Barton, Richard R., to Miles Laboratories, Inc. Scavenger packet. 2,971,850, 2–14–61, Cl. 99—171.
Barton, Robert L. Ammunition dispensing pouch. 3,004,692, 10–17–61, Cl. 224—15.
Barton, Wesley B., G. C. Chapman, R. N. Ferry, N. C. Joehlin, L. C. Kleist, and A. W. Tyler, to Eastman Kodak Co. Automatic sorting device. 2,996,184, 8–15–61, Cl. 209—72.
Bartoo, George O., to Trico Products Corp. Windshield wiper motor transmission system. 2,976,555, 3–28–61, Cl. 15—250.27.
Bartoszak, Anthony W., to The Martin Co. Method of forming a sheet into an integral tube. 2,967,139, 1–3–61, Cl. 204—154.2.
Bartron, Lester R., to E. I. du Pont de Nemours and Co. Film-forming composition comprising an admixture of particulate polyvinyl fluoride and a lactam. 3,000,843, 9–19–61, Cl. 260—30.2.
Bartsch, Merton L.: *See*—
Hackett, William S., and Bartsch. 2,976,589.
Bartus, Raymond J., to Detroit Reamer & Tool Co. Work driver. 3,010,349, 11–28–61, Cl. 82—40.
Bartz, Melvin C., to The Bendix Corp. Continuity testing device for explosive igniting circuits. 2,976,485, 3–21–61, Cl. 324—51.
Bartz, Quentin R.: *See*—
Ehrlich, John, Knudsen, Bartz, Fusari, and Haskell. 2,996,435.
Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.
Barusch, Maurice R.: *See*—
Lindstrom, Eddie G., and Barusch. 2,974,022.
Sigworth, Harrison W., and Barusch. 2,995,427.
Barwood, L. J., Mfg. Co., Inc.: *See*—
Schott, Warren B. 3,012,344.
Schott, Warren B., Murphy, Di Maio, and Carlson. 3,012,258.
Basalt Rock Co., Inc.: *See*—
McCall, Donald O. 3,010,174.
Basch, Walter M.: *See*—
Bieber, Herman, Basch, and Denber. 2,971,905.
Basche, Stanley L. Methods of making stationery implements as paper pencils. 3,010,862, 11–28–61, Cl. 156—185.
Baschet, Francois P. M. Acoustic amplifier and musical instrument incorporating same. 3,004,620, 10–17–61, Cl. 181—31.
Bascom, Hollis H., to California Industrial Development Co. Conveyor pulleys. 2,976,738, 3–28–61, Cl. 74—230.7.
Bascom, Willard, to American Home Shelters. Protective underground shelter. 2,968,130, 1–17–61, Cl. 50—119.
Baselt, Frederick C.: *See*—
Gotsch, Lenard P., Vitense, and Baselt. 2,997,904.
Baselt, Frederick C., to American Can Co. Container. 2,980,311, 4–18–61, Cl. 229—37.
Basen, Toralv, to Elektrokemisk A/S. Process of reducing molded bodies comprising metallic oxides. 2,999,748, 9–12–61, Cl. 75—36.
Basen, Toralv, and F. C. Collin, to Elektrokemisk A/S. Process of reducing metal oxides. 2,993,779, 7–25–61, Cl. 75—36.

Bases, Samuel M. Low frequency pulse detector. 3,002,185, 9–26–61, Cl. 340—213.
Bash, W. A., Magnetic, Inc.: *See*—
Howenstine, Douglas W. 3,014,164.
Basham, Lawrence H., ½ to W. Hohman. Brush cycle. 3,013,372, 12–19–61, Cl. 56—25.4.
Bashore, Max C., and J. S. Ferguson. Close quarter ratchet pipe wrench. 3,004,455, 10–17–61, Cl. 81—61.
Bashour, Joseph T., H. L. Bikofsky, and J. N. Halmsohn, to Stauffer Chemical Co. Production of titanium tetrachloride. 2,974,009, 3–7–61, Cl. 23—87.
Basic Atomics Inc.: *See*—
Martin, Emmett J., and Landolt. 2,974,884.
Robinson, George P. 2,983,576.
Basic Products Corp.: *See*—
Baker, Dwight L., and Dockstader. 2,975,066.
Brackett, George E. 3,006,196.
Carlisle, Duane F. 3,014,162.
Davis, Flavius E., III. 2,980,882.
Foskett, Kenneth H. 2,982,828.
Frank, Arthur W. 2,969,412.
Frank, Arthur W. 2,978,237.
Frentzel, Herman C. 2,981,817.
Hauck, Aloysius J. 2,990,509.
Hellman, Nison N., and Baker. 3,014,802.
Kinsman, George H., Hellman, and Baker. 2,984,571.
Kusko, Alexander. 3,013,202.
Lucht, Otto C., Shelley, and Burant. 2,991,231.
Sola, Joseph G. 2,996,656.
Basic Research Corp.: *See*—
Toulmin, Harry A., Jr. 2,972,557.
Toulmin, Harry A., Jr. 2,986,842.
Basic Vegetable Products, Inc.: *See*—
Boles, Lester A., Lundgren, and Daniel. 2,974,699.
Basil, Irving T.: *See*—
Dorczak, Michael E., and Basil. 3,012,199.
Basile, Carmen L., P. Terry, R. R. Tullgren, and R. R. Kaufmann, to Taylor Spring and Mfg. Co. Apparatus for stripping insulation from wire. 3,000,405, 9–19–61, Cl. 140—1.
Basinger, Eugene M., to The Triplett Electrical Instrument Co. Electrical instruments and method of adjusting scale characteristics. 3,005,952, 10–24–61, Cl. 324—151.
Baskerville, Ralph J.: *See*—
Baird, Leslie L., and Baskerville. 3,005,064.
Baskey, Raymond H.: *See*—
Fisher, Elwyn D., and Baskey. 2,974,040.
Baskin, Arnold B.: *See*—
Wagman, Gerald H., and Baskin. 2,968,991.
Basler, Hugo: *See*—
Werner, Günther, and Basler. 2,983,456.
Baso Inc.: *See*—
Hajny, Charles E. 2,974,869.
Hajny, Charles E. 3,004,589.
Matthews, Russell B. 2,969,224.
Matthews, Russell B. 2,977,966.
Schwalbach, Joseph C. 2,999,536.
Bass, David H. Device for use in installing fluorescent light fixtures. 2,980,419, 4–18–61, Cl. 269—140.
Bass, Harold E., and R. F. White, to General Dynamics Corp. Valve. 2,989,990, 6–27–61, Cl. 137—625.42.
Bass, Helen L., 51% to G. W. Prince. Hand washboard. 2,984,095, 5–16–61, Cl. 68—220.
Bass, Helen L., 51% to G. W. Prince. Sanitary bag. 2,997,161, 8–22–61, Cl. 206—17.5.
Bass, Miles M., R. M. Bell, L. C. Hammond, and P. J. Robischung, to Hammond Machinery Builders, Inc. Grinder with oscillating head. 2,971,296, 2–14–61, Cl. 51—55.
Bass, Miles M., R. M. Bell, L. C. Hammond, E. C. Kreuger, and P. J. Robischung, to Hammond Machinery Builders, Inc. Grinding machine. 2,988,857, 6–20–61, Cl. 51—55.
Bass, Miles M., R. M. Bell, L. C. Hammond, E. C. Krueger, and P. J. Robischung, to Hammond Machinery Builders, Inc. Grinding machine. 2,988,858, 6–20–61, Cl. 51—55.
Bass, Miles M., R. M. Bell, L. C. Hammond, and P. J. Robischung, to Hammond Machinery Builders, Inc. Table extension for a grinding machine. 3,012,380, 12–12–61, Cl. 51—55.
Bass, William. Soil pipe extension. 2,989,323, 6–20–61, Cl. 285—32.
Bassett, Alice M. Pet bag. 2,969,767, 1–31–61, Cl. 119—1.
Bassett, Charles H., to United States of America, Atomic Energy Commission. Fuel element for nuclear reactors. 2,983,663, 5–9–61, Cl. 204—193.2
Bassett, Charles H., to United States of America, Atomic Energy Commission. Fuel element for nuclear reactors. 2,984,613, 5–16–61, Cl. 204—193.2.
Bassett, Charles H., to United States of America, Atomic Energy Commission. Fuel element for nuclear reactors. 2,992,179, 7–11–61, Cl. 204—193.2.
Bassett, Charles H., to United States of America, Atomic Energy Commission. Fuel element for nuclear reactors. 3,009,869, 11–21–61, Cl. 204—193.2.
Bassett, Henry W., to The W. E. Bassett Co. Nail clipper. 3,013,334, 12–19–61, Cl. 30—28.
Bassett, Robert B., and L. H. Smith, to Central Commercial Co. Ceramic product and process for making same. 3,003,220, 10–10–61, Cl. 25—156.
Bassett, Robert S., to American Meter Co., Inc. Water meter system. 2,991,652, 7–11–61, Cl. 73—258.
Bassett, W. E., Co., The: *See*—
Bassett, Henry W. 3,013,334.
Denton, William R. 2,993,590.
Pocoski, Edward J. 2,995,820.
Bassetti, Frederick F. Educational construction set. 3,003,260, 10–10–61, Cl. 35—72.
Bassick Co., The: *See*—
Claud-Mantle, Arthur. 2,991,106.
Ericson, Sidney A., and Parrott. 2,999,665.
Fontana, Frank J. 2,981,969.
Funk, James B., Jr. 2,987,203.
Kramcsak, Michael, Jr. 2,971,211.
Kramcsak, Michael, Jr. 2,973,545.
Kramcsak, Michael, Jr. 2,996,753.
Parrott, Henry W., and Ericson. 2,971,569.
Bassinger, Ross, to Bassinger Tool Co. Percussion drill bit. 2,976,944, 3–28–61, Cl. 175—410.
Bassinger, Ross, to Bassinger Tool Co. Fluid actuated impact tool. 2,979,033, 4–11–61, Cl. 121—16.
Bassinger Tool Co.: *See*—
Bassinger, Ross. 2,976,944.
Bassinger, Ross. 2,979,033.
Bassoff, Arthur B., to National Broach & Machine Co. Fluid pressure-operated control and adjusting mechanism therefor. 2,972,982, 2–28–61, Cl. 121—38.
Bassoff, Arthur B., to National Broach & Machine Co. Reciprocating drive mechanism. 2,995,941, 8–15–61, Cl. 74—52.
Bast, Paul A., and E. Sutker. Cuff link. 2,987,791, 6–13–61, Cl. 24—97.
Bastian-Blessing Co., The: *See*—
Bunce, Jerome R., Jr., and Geu. 2,969,219.
Carlson, Clifford R. 2,976,391.
Garretson, Owen L. 2,973,728.
Goodwin, Harris A. 2,989,073.
Johnson, Herman K. 3,009,337.
Liolios, Leo, and Allshouse. 2,982,446.
Norway, Harold L., and Boedecker. 2,967,541.
Poethig, Robert E., and St. Clair. 3,003,325.
Shaw, Harry N. 2,969,218.
Williams, Harry J. 2,970,601.
Bastian, Richard R., and A. C. Ottoson, to Imperial Glass Corp. Glass composition. 2,978,341, 4–4–61, Cl. 106—50.
Bastin, Edgar J.: *See*—
Schiring, Ralph C., and Bastin. Re. 24,982.
Bastow, Donald, and E. J. Rabson, to Birfield Engineering Ltd. Attachment of coupling members to torque transmitting tubular shafts, and to the tubular shafts and attached coupling members resulting therefrom. 3,008,310, 11–14–61, Cl. 64—1.
Bastress, Ernest K., C. C. Sykes, and E. W. Weaver, to Midland-Ross Corp. Automatic feeding and heat treating apparatus. 2,982,531, 5–2–61, Cl. 263—33.
Bata Shoe Co. of Canada Ltd.: *See*—
Cervinka, Anthony. 2,999,517.
Patera, Jaromir. 2,994,920.
Patera, Jaromir. 3,005,235.
Vdolek, Vladimir A. 2,996,739.
Bataille, Roger. Electric pulse-generator systems. 3,013,165, 12–12–61, Cl. 307—108.
Batchelder, George W., to Aerojet-General Corp. Solid composite smokeless slow burning, low flame propellant. 2,974,026, 3–7–61, Cl. 52—.5.
Batchelder, George W., and G. A. Zimmerman, to Aerojet General Corp. Propellant compositions. 3,000,714, 9–19–61, Cl. 52—.5.
Batchelder, William N. Cutlery sharpening machine. 2,986,850, 6–6–61, Cl. 51—40.
Batcheller, Hugh W., to Kent Mfg. Corp. Apparatus for crimping an electric terminal member on a wire. 2,982,329, 5–2–61, Cl. 153—1.
Batcheller, Hugh W., to Kent Mfg. Corp. Method of making an electrical connector member. 2,996,026, 8–15–61, Cl. 113—119.
Batchelor, Frank R.: *See*—
Rolinson, George N., Richards, and Batchelor. 3,014,845.
Rolinson, George N., Richards, and Batchelor. 3,014,846.
Batchelor, William L.: *See*—
Astrahan, Morton M., Batchelor, Housman, Kurkjian, and Sarahan. 3,012,227.
Conkey, Herbert E., Batchelor, and Thompson. 2,975,017.
Jackson, Chauncey D., Batchelor, and Thompson. 2,975,239.
Bateman, Bryce C., and R. H. McDonald, to Packard Bell Electronics Corp. Panel retaining means. 2,992,872, 7–18–61, Cl. 312—7.
Bates, Arthur C., and R. C. Crowe, to I-T-E Circuit Breaker Co. Interrupter unit for telescoping blade switch. 2,978,560, 4–4–61, Cl. 200—148.
Bates, David J., to Hughes Aircraft Co. Traveling-wave tube. 3,010,047, 11–21–61, Cl. 315—3.5.
Bates, David J., and O. T. Purl, to Hughes Aircraft Co. Periodically focused severed traveling-wave tube. 2,985,791, 5–23–61, Cl. 315—3.5.
Bates, David J., H. R. Johnson, and O. T. Purl, to Hughes Aircraft Co. Periodically-focused traveling-wave tube. 2,985,792, 5–23–61, Cl. 315—3.5.
Bates, Diane M. Holder for threads or the like. 3,009,611, 11–21–61, Cl. 223—106.
Bates, Donald R.: *See*—
Gregory, Jackson, Jr., and Bates. 2,987,733.
Bates, Eric, to Prince-Smith & Stells Ltd. Yarn supply means in textile twisting machines. 2,984,964, 5–23–61, Cl. 57—106.

Bates, George R., to Western Electric Co., Inc. Method of selectively positioning relay contacts. 2,995,812, 8–15–61, Cl. 29—404.

Bates, Oswald R., and R. J. Ashby, to Johnson & Phillips Ltd. and Her Majesty's Postmaster General. Apparatus for storing and guiding submarine cable. 2,990,134, 6–27–61, Cl. 242—128.

Bates, Richard L., and R. G. Zaginailoff, to United States of America, Navy. Fabrication and design of shafts and splines. 2,973,214, 2–28–61, Cl. 287—126.

Bates, Stanley I.: *See*—
Ballast, Donald E., Wiley, and Bates. 2,968,066.

Bates, Wayne C.: *See*—
North, Edwin W., and Bates. 2,978,267.

Batesole, William R.: *See*—
Davis, Ward D., Du Pont, Zeitler, Batesole, Tucker, and Hanson. 2,981,008.

Batesole, William R., to Doman Helicopters, Inc. Folding helicopter blade. 2,966,947, 1–3–61, Cl. 170—160.12.

Bateson, Sydney, to Duplate Canada Ltd. Dehydration of glass surfaces. 3,011,265, 12–5–61, Cl. 34—1.

Bateson, Sydney, and J. Chrystman, to Pittsburgh Plate Glass Co. Coating apparatus. 3,014,453, 12–26–61, Cl. 118—58.

Bath, Cyril, Co., The: *See*—
De Marco, Robert F. 2,986,194.
Perkins, George H. 2,974,707.
Perkins, George H. 2,974,708.

Bath Iron Works Corp.: *See*—
Danyluke, Ostap. 2,973,908.
Danyluke, Ostap. 2,973,909.
Fawcett, Frank A. 2,977,055.
Holm, Jens C. 2,996,262.

Bathurst Power & Paper Co. Ltd.: *See*—
Sharp, Andrew, Butterfill, and Campbell. 2,982,462.

Bathurst, William N., to Heenan & Froude Ltd. Dynamometers. 2,976,960, 3–28–61, Cl. 188—90.

Batie, Joseph E.: *See*—
Kummerlowe, Carl K., and Batie. 2,990,694.

Batkin, Stanley I. Container with internal insert. 3,002,609, 10–3–61, Cl. 206—45.14.

Batlas, George N., and S. Baranski. Dispensers for paper toweling. 2,974,839, 3–14–61, Cl. 225—12.

Batley, George C., to Ford Motor Co. Slidable window for vehicle. 3,006,682, 10–31–61, Cl. 296—44.5.

Batley, James V., to International Business Machines Corp. Transfer circuit. 3,007,115, 10–31–61, Cl. 328—42.

Bator, Jesse A. Silage packer. 2,994,262, 8–1–61, Cl. 100—65.

Batori Computer Co., Inc.: *See*—
Batori, Oscar E., and Nardin. 2,969,636.

Batori, Oscar E., and R. Nardin, to Batori Computer Co., Inc., and Nardin, Ulysse, S.A. Chronometer. 2,969,636, 1–31–61, Cl. 58—3.

Batres, Enrique: *See*—
Ringold, Howard J., Batres, and Rosenkranz. 2,990,414

Batres, Enrique, and H. J. Ringold, to Syntex S.A. 6α-ammonio-derivatives of 11-keto cortical hormones. 2,985,650, 5–23–61, Cl. 260—239.5.

Batsch, Guy. Machines for crimping yarns by false twist, and their parts. 3,010,271, 11–28–61, Cl. 57—34.

Batsch, Helmut, and A. Freise, to Telefunken G.m.b.H. Tone arm assembly. 3,002,056, 9–26–61, Cl. 179—100.41.

Batson-Cook Co.: *See*—
Ball, Gaines L., and Hamrick. 2,969,579.

Batson, Robert W. Shielded electric cigarette lighter. 2,978,566, 4–4–61, Cl. 219—32.

Batt, Hugo W. Installation for a dexterity game. 2,969,985, 1–31–61, Cl. 273—118.

Batt, Irving P., to E. I. du Pont de Nemours and Co. Process for producing colored pellicular gel structures of regenerated cellulose. 3,005,723, 10–24–61, Cl. 106—164.

Battaglia, Angelo F. Scintillating sign. 2,969,606, 1–31–61, Cl. 40—138.

Battaglioli, Bianco, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Dyeable compositions, articles formed therefrom and methods for making said articles. 3,013,998, 12–19–61, Cl. 260—23.

Batteau, Dwight W., to Flow Corp. Apparatus for determining the moisture content of insulated boots and similar articles. 3,002,150, 9–26–61, Cl. 324—61.

Batteiger, Joseph R. Refrigeration apparatus. 2,983,112, 5–9–61, Cl. 62—156.

Battelle Development Corp., The: *See*—
Gorton, Henry C., Mefferd, and Willardson. 3,013,193.
Lawton, Emil A., and Weilmuenster. 3,013,083.
Levy, Arthur, and Weilmuenster. 2,987,554.
Miller, Paul D., and Jefferys. 2,991,206.

Battelle Memorial Institute: *See*—
Abma, John S., Mason, and Rice. 3,007,259.
Boyd, Walter K., Langston, and Johnson. 3,008,822.
Miller, James F., and Himes. 2,978,661.
Paskell, Ernest. 2,994,628.
Schmohl, Leland H., Currie, and Langston. 3,007,721.

Batterson, Sidney A., to United States of America, National Aeronautics and Space Administration. Runway light. 2,984,735, 5–16–61, Cl. 240—1.2.

Battey, Alexander J., and C. J. Nolin, to Auburn Spark Plug Co., Inc. Fuel igniter gap setting device. 3,006,405, 10–31–61, Cl. 158—28.

Battey, Alexander J., and C. E. Riffle, to Auburn Spark Plug Co., Inc. Fuel igniter gap setting device. 3,011,542, 12–5–61, Cl. 158—28.

Battis, Walter T., T. J. Lennox, Jr., and E. C. Reichard, to American Smelting and Refining Co. Sacrificial magnesium anodes. 3,001,924, 9–26–61, Cl. 204—197.

Battista, Orlando A., and P. A. Smith, to American Viscose Corp. Level-off D. P. cellulose products. 2,978,446, 4–4–61, Cl. 260—212.

Battista, Orlando A., A. M. Belfort, and E. G. Fleck, Jr., to American Viscose Corp. Reconstituted tobacco products and method of manufacture. 3,012,914, 12–12–61, Cl. 131—17.

Battle, James H., C. H. Hack, and O. Konig, to National Lead Co. Soldering fluxes. 2,978,369, 4–4–61, Cl. 148—23.

Battle, Norman, to Rolls-Royce Ltd. Fuel element for nuclear reactor. 2,988,495, 6–13–61, Cl. 204—193.2.

Battle, Norman, to Rolls-Royce Ltd. Blocks for building purposes and structure formed therefrom. 3,010,888, 11–28–61, Cl. 204—193.2.

Battle Creek Foundry Co.: *See*—
Lofgren, Carl J., Strong, and Millar. 2,998,001.

Battle Creek Packaging Machines, Inc.: *See*—
Smith, John W. 2,982,077.
Willbrandt, Franklin M. 2,996,860.

Batts, Harvey J.: *See*—
Borland, James B., and Batts. 2,992,962.

Batty, Edward G. Aerosol can. 2,978,152, 4–4–61, Cl. 222—394.

Batty, Harry A.: *See*—
Smiley, Harry J., Batty, and Jones. 2,981,294.

Batty, John W., A. Lambert, G. Scott, F. Bebbington, and L. Seed, to Imperial Chemical Industries Ltd. Polymerization of ethylenically unsaturated compounds with organic hyponitrite catalysts. 2,971,952, 2–14–61, Cl. 260—94.9.

Batty, William J., to The Sperry Gyroscope Co. Ltd. Stator winding machine. 2,991,021, 7–4–61, Cl. 242—1.1.

Batzer, Hans, and E. Nikles, to Ciba Ltd. New hydroaromatic di- and poly-amides. 2,975,195, 3–14–61, Cl. 260—348.

Batzer, Hans, and E. Nikles, to Ciba Ltd. New nitrogenous epoxide compounds. 2,988,554, 6–13–61, Cl. 260—348.

Batzer, Hans, and E. Nikles, to Ciba Ltd. New epoxy compounds. 2,991,293, 7–4–61, Cl. 260—340.7.

Batzer, Hans, to C. F. Roser, G.m.b.H. Preparation of polyesters containing Δ4-tetrahydrophthalic acid radicals. 3,004,003, 10–10–61, Cl. 260—75.

Bau, Robert G. Cosmetic stick container. 3,009,568, 11–21–61, Cl. 206—56.

Baubles, Richard C., to Elastic Stop Nut Corp. of America. Resilient split pin with inwardly extending portion. 2,972,275, 2–21–61, Cl. 85—8.3.

Bauch, Werner A., M. M. Lambert, and G. O. Hillard, Jr., to Esso Research and Engineering Co. Recovering halogenated copolymers. 2,973,346, 2–28–61, Cl. 260—85.3.

Baud, Leon, and D. Taussig, to Societe dite Soletanche. Device for boring under reversed flow conditions. 3,012,621, 12–12–61, Cl. 175—213.

Baude, John, to Allis-Chalmers Mfg. Co. Control system for the ambient temperature of a thermal relay. 2,968,745, 1–17–61, Cl. 317—13.

Baude, John, to Allis-Chalmers Mfg. Co. Power transistor control circuit. 2,972,685, 2–21–61, Cl. 307—88.5.

Baude, John, to Allis-Chalmers Mfg. Co. Reverse power sensing device. 2,986,674, 5–30–61, Cl. 317—43.

Baude, John, to Allis-Chalmers Mfg. Co. Magnetic amplifier double diode controlled signal winding. 3,012,188, 12–5–61, Cl. 323—89.

Bauder, Carl J., to General Motors Corp. Locking swivel hanger. 3,001,634, 9–26–61, Cl. 198—177.

Bauder, William M., Jr. Baseball-stitching machine. 2,976,827, 3–28–61, Cl. 112—2.

Baudhuin, George J., and A. C. Petersen, to Drott Mfg. Corp. Fluid driving system for vehicles. 2,980,193, 4–18–61, Cl. 180—6.48.

Bauer, Alfred. Dieing and stamping machine. 2,997,946, 8–29–61, Cl. 101—5.

Bauer, Alfred E. R. E., to Aktiebolaget Malcus Holmquist. Automatic control device for centerless grinding machine. 3,001,336, 9–26–61, Cl. 51—103.

Bauer, Alfred F., to National Lead Co. Bearing cap for internal combustion engines. 2,997,347, 8–22–61, Cl. 308—23.

Bauer, Alfred F., to National Lead Co. Vacuum system for cold chamber die-casting machines. 3,008,202, 11–14–61, Cl. 22—73.

Bauer, Benjamin B.: *See*—
Goldmark, Peter C., Bauer, and Hollywood. 3,013,125.

Bauer, Benjamin B., C. E. Seeler, and L. Gunter, Jr., to Shure Brothers Inc. High fidelity transcription tone arm. 2,983,516, 5–9–61, Cl. 274—23.

Bauer Bros. Co., The: *See*—
Ginaven, Marvin E., and Adams. 2,975,096.
Ginaven, Marvin E., and Woodruff. 2,974,684.
Skeen, Lawrence E. 2,974,831.
Vaughan, Frank C., and Woodruff. 3,001,731.
Woodruff, Maurice D., and Appel. 2,971,225.

Bauer, Carl R., to E. I. du Pont de Nemours Co. Sweetening sour hydrocarbon distillates and sweetening agents therefor. 2,983,674, 5–9–61, Cl. 208—207.

Bauer, Charles H., to United States of America, Navy. Submarine depth computer. 2,967,662, 1–10–61, Cl. 235—61.5.

Bauer, Charles W., to Smith, Miller & Patch, Inc. Beta (ortho-acetoxyphenyl) propionic acid and salts thereof. 2,995,598, 8–8–61, Cl. 260—479.

Bauer, Edwin W., to International Business Machines Corp. Magnetic core pulse circuits. 2,922,415, 7–11–61, Cl. 340—174.
Bauer, Erich, to Palz-Holding A.G. Stripper for hand-knitting apparatus. 3,005,326, 10–24–61, Cl. 66—60.
Bauer, Erich, H. Ebert, W. Forst, and H. Pieper, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of salt mixtures for the electrolytic production of magnesium. 2,974,093, 3–7–61, Cl. 204—70.
Bauer, Ernest K., to American Viscose Corp. Yarn twisting. 2,970,424, 2–7–61, Cl. 57—93.
Bauer, Ernest K., to American Viscose Corp. Apparatus for producing artificial filaments. 2,983,282, 5–9–61, Cl. 137—567.
Bauer, Eugen, G.m.b.H.: *See*—
Barthruff, Otto. 2,970,509.
Heuchemer, Willy, and Reinsch. 2,979,115.
Reinsch, Herbert. 2,967,987.
Reinsch, Herbert, and Freiberger. 2,985,060.
Straub, Albert. 2,993,406.
Straub, Albert. 3,002,423.
Bauer, Hans, and J. Heckmaier, to Wacker-Chemie G.m.b.H. Polymers resistant to discoloration. 3,012,005, 12–5–61, Cl. 260—45.7.
Bauer, Howard G.: *See*—
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Osborne, Fred H., Riggs, and Bauer. 2,988,945.
Bauer, Karl: *See*—
Reppe, Walter, Bauer, and Schweter. 2,969,306.
Bauer, Karl. Wobble plate type pump and motor transmission. 2,984,070, 5–16–61, Cl. 60—53.
Bauer, Kurt, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of pure ε-caprolactam from Beckmann reaction mixture. 2,973,355, 2–28–61, Cl. 260—230.3.
Bauer Mfg. Co., The: *See*—
Arnold, Harold G. 3,004,625.
Bauer, Matthew F. Porthole tube fitting having self-aligned coined fluid seat. 2,971,780, 2–14–61, Cl. 285—215.
Bauer, Oliver F.: *See*—
Adair, Robert V., and Bauer. 3,007,823.
Bauer, Richard M.: *See*—
Curler, Howard J., and Bauer. 2,982,245.
Bauer, Robert F., and H. Stratton, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Rotary drilling table mounting. 2,981,346, 4–25–61, Cl. 175—5.
Bauer, Robert F., and H. Stratton, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Underwater inspection apparatus. 2,981,347, 4–25–61, Cl. 175—7.
Bauer, Robert F., and H. Stratton, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Underwater drilling guide. 2,984,308, 5–16–61, Cl. 175—7.
Bauer, Robert F., and H. Stratton, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Drilling. 3,012,610, 12–12–61, Cl. 166—66.5.
Bauer, William C.: *See*—
Caldwell, Ned A., and Bauer. 2,970,037.
Bauer, William E., to Minneapolis-Honeywell Regulator Co. Differential pressure responsive apparatus. 2,977,990, 4–4–61, Cl. 137—779.
Bauer, William E., to Minneapolis-Honeywell Regulator Co. Controller. 2,977,991, 4–4–61, Cl. 137—781.
Bauerlein, Carl C., to The Dole Valve Co. Automatic ice making apparatus. 2,969,651, 1–31–61, Cl. 62—135.
Bauerlein, Carl C., to The Dole Valve Co. Pressure operated mixing valve. 2,971,533, 2–14–61, Cl. 137—607.
Bauerlein, Carl C., to The Dole Valve Co. Pneumatic timer. 2,980,393, 4–18–61, Cl. 251—262.
Bauerlein, Carl C., to The Dole Valve Co. Pneumatic control valve. 2,982,304, 5–2–61, Cl. 137—612.1.
Bauerlein, Carl C., to The Dole Valve Co. Ice maker. 2,998,709, 9–5–61, Cl. 62—135.
Bauerlein, Carl C., to The Dole Valve Co. Pneumatically controlled diaphragm shut off valve. 3,000,607, 9–19–61, Cl. 251—28.
Bauerlein, Carl C., to The Dole Valve Co. Internally heated slug valve. 3,003,328, 10–10–61, Cl. 62—135.
Bauerlein, Carl C., to The Dole Valve Co. Temperature sensitive metering device. 3,006,507, 10–31–61, Cl. 222—54.
Bauermeister, Kurt: *See*—
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Bauger, Louis J., and A. Barthime, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Jet propulsion units. 2,975,593, 3–21–61, Cl. 60—35.54.
Baugh, Everett L., J. R. Prior, and W. J. Schentzow, to General Motors Corp. Pump or motor. 2,972,311, 2–21–61, Cl. 103—161.
Baugh, Robert A.: *See*—
Mabrey, David W., and Baugh. 3,003,992.
Baugh, Robert T.: *See*—
Kececioglu, Dimitri B., Baugh, and Hoffmann. 2,980,345.
Baugh, Robert T., to Allis-Chalmers Mfg. Co. Endless track assembly. 2,999,581, 9–12–61, Cl. 198—165.
Baughan, Drury H., to Reynolds Metals Co. Container system. 2,970,736, 2–7–61, Cl. 229—3.5.
Baugher, Charles E. Propeller mechanism for marine vessels. 3,000,447, 9–19–61, Cl. 170—160.43.
Baugher, Thomas E., and M. Liverant; said Baugher assor. to said Liverant. Machine for applying mouthpieces to cigars. 3,007,476, 11–7–61, Cl. 131—88.
Baughman, Charles S.: *See*—
Schleicher, Lowell, and Baughman. 2,971,916.
Baughman, John E.: *See*—
Riordan, Hugh E., Samburoff, and Baughman. 2,981,187.
Baughman, Milton D., Jr., to The Wean Engineering Co., Inc. Means for stabilizing hanging loops. 2,967,007, 1–3–61, Cl. 226—93.
Bauling, Adrianus L., and D. T. Milne, to American Viscose Corp. Mixing apparatus. 2,973,946, 3–7–61, Cl. 259—111.
Baum, Alvan: *See*—
Carlsen, Earl W., Ryder, and Baum. 3,000,162.
Baum, John W., to Armour Research Foundation of Illinois Institute of Technology. Pocket radiation dosimeter. 2,972,051, 2–14–61, Cl. 250—83.
Baum, Lloyd. Guide fixture for dental tools. 3,011,259, 12–5–61, Cl. 32—67.
Baum, Melvin E.: *See*—
Dressler, Hans, and Baum. 3,014,918.
Dressler, Hans, and Baum. 3,014,919.
Dressler, Hans, and Baum. 3,014,920.
Baum, Ruth L.: *See*—
Redfield, David, and Baum. 2,986,527.
Baum, Sanford: *See*—
Lane, William B., Baum, Graham, Fuller, Mackin, Lal, Zigman, and Shelberg. 2,974,520.
Bauman, Douglas B., to Applied Plastics, Inc. Method and machine for forming articles from plastic sheet material. 2,974,366, 3–14–61, Cl. 18—19.
Bauman, Edward E., to North Electric Co. Sensitive control device. 2,978,614, 4–4–61, Cl. 317—146.
Bauman, Malcolm W. Towing harness. 2,996,228, 8–15–61, Cl. 224—5.
Bauman, Robert H.: *See*—
Kellogg, George E., and Bauman. 2,968,155.
Kellogg, George E., and Bauman. 2,969,046.
Bauman, William C., to The Dow Chemical Co. Pressuring means for fluid distributing systems. 2,968,318, 1–17–61, Cl. 138—26.
Baumann, Albert, to Durkoppwerke Aktiengesellschaft. Conveyor distributing system with station selector. 3,000,518, 9–19–61, Cl. 214—11.
Baumann, Albert, and H. Bunten, to Durkoppwerke Aktiengesellschaft. Selective distributing and conveyor system. 2,969,137, 1–24–61, Cl. 198—38.
Baumann, Albert, and E. Grube. Conveyor system with station selector. 3,014,573, 12–26–61, Cl. 198—38.
Baumann, Arthur N., to International Minerals & Chemical Corp. Preparation of potassium compounds from potassium sulfate. 2,980,504, 4–18–61, Cl. 23—63.
Baumann, Arthur N., to International Minerals & Chemical Corp. Treatment of aluminosilicates. 2,987,405, 6–6–61, Cl. 106—72.
Baumann, Günther, and H. Knapp, to Robert Bosch G.m.b.H. Fuel injection arrangement for internal combustion engines. 3,005,447, 10–24–61, Cl. 123—119.
Baumann, Heinrich, F. Graf, H. Schmidt, and L. Untersteinhöfer. Method for the purification of contaminated dry cleaning solvents. 2,969,404, 1–24–61, Cl. 260—664.
Baumann, Herman P., to Koppers Co., Inc. Solid vat dye compositions. 2,997,362, 8–22–61, Cl. 8—93.
Baumann, Karl E., to Baxter Laboratories, Inc. Parenteral solution equipment. 2,969,158, 1–24–61, Cl. 215—37.
Baumann, Lawrence L.: *See*—
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Baumann, Martin A., to Xamax AG. Apparatus for determining the angle of lead for firing at aerial objectives. 3,011,260, 12–5–61, Cl. 33—49.
Baumann, Roman. Process for making peanut cheddar cheese. 2,989,400, 6–20–61, Cl. 99—116.
Baumann, William, to Firma Bama-Werk Curt Baumann. Metatarsal foot supports. 2,978,818, 4–11–61, Cl. 36—71.
Baumbach, Gerhard G.: *See*—
Armitage, Joseph B., Wetzel, Baumbach, and Zankl. 2,988,965.
Baumbach, Harlan L., H. M. Little, and F. J. Scobey, to Unicorn Engineering Corp. Light modulating apparatus for film printer. 2,971,448, 2–14–61, Cl. 95—75.
Baumbach, Harlan L., H. M. Little, and L. Wargo, to Bell & Howell Co. Automatic control device. 2,990,762, 7–4–61, Cl. 95—75.
Baumbach, Harlan L., and J. W. Stafford, to Pacific Industries, Inc. Photochromatic analyzer. 3,011,388, 12–5–61, Cl. 88—14.
Baumbach, Harlan L., and W. Enkelmann, to Pacific Industries, Inc. Strip splicing machine. 3,011,936, 12–5–61, Cl. 156—482.
Baumeister, Ernest B.: *See*—
Wheelock, Clifford W., and Baumeister. 2,999,058.
Baumeister, Heard K., to International Business Machines Corp. Multi-position electromagnetic actuator. 3,007,086, 10–31–61, Cl. 317—188.
Baumer, Earl F. Brick package. 2,967,612, 1–10–61, Cl. 206—65.
Baumgarten, Aaron, and A. J. Karalis, to United States of America, Army. Control rod rotating mechanism. 3,010,887, 11–28–61, Cl. 204—193.2.
Baumgartner, Frederick N.: *See*—
Leverberg, Rudolph R., and Baumgartner. 2,978,411.
Baumgartner, Pierre, P. Bedague, and J. C. Balaceanu, to Institut Francais du Petrole des Carburants et Lubrifiants. Chlorine production. 3,006,732, 10–31–61, Cl. 23—219.

Baumgartner, Richard A., H. M. Canfield, and H. W. Buell, to The Carborundum Co. Abrasive articles and method of making the same. 2,981,615, 4–25–61, Cl. 51—297.
Baumritter Corp.: *See*—
Brown, Daniel C. 3,012,336.
Baumstein, Lee, and E. Bien. Pop-up baby bottle warmer. 2,992,316, 7–11–61, Cl. 219—43.
Baur, Carl, and C. Otzen, to Agfa Aktiengesellschaft. Photographic objective. 2,966,825, 1–3–61, Cl. 88—57.
Baur, Carl, and C. Otzen, to Agfa Aktiengesellschaft. Photographic wide angle objective. 2,967,459, 1–10–61, Cl. 88—57.
Baur, Carl, E. Burger, and F. Henning, to Agfa Aktiengesellschaft. Depth of field indicator for cameras. 3,002,440, 10–3–61, Cl. 95—44.
Baur, Karl: *See*—
Troost, Albert, Schmucker, Maass, Siupka, and Baur. 2,994,871.
Baur, Leslie L., H. P. Gardafee, D. A. Kuester, A. V. Larson, R. M. Putzer, and R. C. Leeman, to FWD Corp. Side loading fork lift truck. 2,998,891, 9–5–61, Cl. 214—621.
Baus, Donald E., to Fred S. Gichner Iron Works, Inc. Demountable running gear. 2,968,490, 1–17–61, Cl. 280—35.
Bausch & Lomb Inc.: *See*—
Blair, Gerald E. 2,999,819.
Boughton, Olin W. 2,971,080.
Brumley, Corwin H., and Clark. 2,979,987.
Clark, James A. 3,011,396.
Emmel, Henry J. 2,999,425.
Hensler, Joseph R. 2,999,339.
Kreidl, Norbert J., and Weidel. 3,007,804.
Oswold, Oluf G. 2,973,838.
Peck, William G. 2,997,919.
Schwartz, John M., and Ziegler. 2,984,155.
Sheldon, Gilbert J. 2,975,785.
Sheldon, Gilbert J. 2,987,960.
Straat, Harold W. 2,973,685.
Bauscher, Charles A.: *See*—
Kichta, Philip M. 2,972,191.
Bauschinger, Oscar H.: *See*—
Linn, Sidney S., and Bauschinger. 2,969,680.
Bautwin, George R., and F. X. Grossl, to Union Starch and Refining Co., Inc. Soil conditioning with quaternary nitrogen salt. 2,979,863, 4–18–61, Cl. 47—58.
Bayer, Clyde B., to The Babcock & Wilcox Co. Multi-fuel fired vapor generating unit. 3,013,540, 12–19–61, Cl. 122—478.
Bayley, Abraham, and C. J. Knuth, to Chas. Pfizer & Co., Inc. Dialkyl tin epoxy-succinate stabilizers for polymers of polyvinyl chloride. 2,972,595, 2–21–61, Cl. 260—45.75.
Bayley, Abraham, F. W. Michelotti, and A. E. Timreck, to Chas. Pfizer & Co., Inc. Epoxy resin compositions. 2,989,500, 6–20–61, Cl. 260—47.
Bayley, Abraham, M. F. Humphrey, and C. J. Knuth, to Chas. Pfizer & Co., Inc. Preparation of citraconic anhydride. 2,992,236, 7–11–61, Cl. 260—346.8.
Bayley, Abraham, and B. E. Tate, to Chas. Pfizer & Co., Inc. Process for the preparation of 1-cyano-2,3-dicarbomethoxypropane. 2,992,268, 7–11–61, Cl. 260—465.4.
Bayley, Abraham, K. J. Brunings, C. J. Knuth, and A. E. Timreck, to Chas. Pfizer & Co., Inc. Plastic composition comprising a vinyl resin and a bis-N-substituted pyrrolidinone. 2,993,021, 7–18–61, Cl. 260—30.2.
Baxter, Bruce L., to Reynolds Metals Co. Hot pressure welded honeycomb passageway panels and like structures. 2,999,306, 9–12–61, Cl. 29—157.3.
Baxter, Clyde W.: *See*—
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Baptist, Victor H., and Cherkin. 2,992,970.
Cowley, Calvin C. 2,972,779.
Halnsworth, John G., Hershenson, and Pool. 3,004,892.
Hamilton, Donald A. 2,989,053.
Hamilton, Donald A., Misik, and Zenick. 2,998,050.
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Baxter, Donald J.: *See*—
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Baxter, Thomas D. 2,998,223.
Baxter, George E.: *See*—
Cenker, Moses, and Baxter. 3,005,820.
Baxter, George W. Table and luggage carrier assembly. 3,009,615, 11–21–61, Cl. 224—42.01.
Baxter, James G., and W. J. Humphlett, to Eastman Kodak Co. Preparation of citral. 2,987,551, 6–6–61, Cl. 260—601.
Baxter, James M. Smoke consumer. 2,998,097, 8–29–61, Cl. 183—5.
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Baxter, John W., to Ryan Aeronautical Co. Recoverable rocket launching unit. 3,007,372, 11–7–61, Cl. 89—1.7.
Baxter, John W., and C. V. David, to Ryan Aeronautical Co. Jet nozzle arrangement for side thrust control. 2,995,894. 8–15–61, Cl. 60—35.54.
Baxter, Joseph, Jr., to The Black-Clawson Co. Paper machinery. 2,969,114, 1–24–61, Cl. 162—348.
Baxter, Joseph, Jr., to The Black-Clawson Co. Paper machinery. 2,976,924, 3–28–61, Cl. 162—273.
Baxter, Joseph, Jr., to The Black-Clawson Co. Paper machinery. 2,986,434, 5–30–61, Cl. 308—187.
Baxter, Joseph, Jr., to The Black-Clawson Co. Paper machinery. 2,995,310, 8–8–61, Cl. 241—46.
Baxter, Joseph, Jr., to The Black-Clawson Co. Paper machinery. 3,005,746, 10–24–61, Cl. 162—199.
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Barton, Raymond W., and Nuffer. 3,003,500.
Baumann, Karl E. 2,969,158.
Berger, Arthur. 3,013,943.
Broman, Cyrus R. 2,969,063.
Broman, Cyrus R. 2,969,150.
Broman, Cyrus R. 2,989,052.
Forsyte, Alexander. 2,995,315.
Metz, Henry E. 2,969,064.
Metz, Henry E. 2,969,146.
Poitras, Edward J., and Walter. 3,005,455.
Reimann, Robert C., and Metz. 3,006,342.
Welch, Edward S., Jr. 2,982,286.
Wheeler, Warren E. 3,000,540.
Baxter, Richard S., and C. F. Miller, to Socony Mobil Oil Co., Inc. Maintaining substantially constant pressure differential downstream of a hydrogenating reactor. 2,983,675, 5–9–61, Cl. 208—212.
Baxter, Stanley V., to Allen Industries, Inc. Embossed rug cushion and method of producing the same. 2,971,857, 2–14–61, Cl. 117—10.
Baxter, Thomas D., to Baxter Filtration Corp. Valve assembly. 2,998,223, 8–29–61, Cl. 251—309.
Baxter, Thomas R. Colostomy or ileosotomy appliance. 3,006,343, 10–31–61, Cl. 128—283.
Baxter, Warren N., and I. M. Robinson, to E. I. du Pont de Nemours and Co. Interpolymerizations of ethylene and butadiene. 2,968,650, 1–17–61, Cl. 260—85.3.
Bay, Paul G., to The Glidden Co. Synthesis of citral from geranyl alkyl ethers. 3,002,025, 9–26–61, Cl. 260—601.
Baybarz, Russell D., to United States of America, Atomic Energy Commission. Process for descaling and decontaminating metals. 2,981,643, 4–25–61, Cl. 134—3.
Baybick, Solomon, to Radio Corp. of America. Servomotor damping arrangement. 2,977,517, 3–28–61, Cl. 318—7.
Bayer, A. J., Co.: *See*—
Muller, Donald C. 2,977,003.
Bayer, Eric H.: *See*—
Lloyd, Allen H., and Bayer. 3,002,746.
Bayer, Frank C., to Thompson Ramo Wooldridge Inc. Flow control. 2,986,152, 5–30–61, Cl. 137—99.
Bayer, Frank C., to Thompson Ramo Wooldridge Inc. Single lobe washing machine pump. 3,008,421, 11–14–61, Cl. 103—83.
Bayer, Friedrich, to Friedrich Grohe, Armaturenfabrik. Valve arrangement. 3,011,523, 12–5–61, Cl. 137—637.
Bayer, Gerhard, to Owens-Illinois Glass Co. Process of reacting a vaporous metal with a glass surface. 3,012,902, 12–12–61, Cl. 117—33.3.
Bayer, Helmut: *See*—
Hauk, Hans, Streeck, Bayer, and Belik. 2,974,419.
Bayer, Otto: *See*—
Bongard, Wilhelm, Müller, Bayer, and Theis. 2,991,313.
Holtschmidt, Hans, Bayer, Muller, and Nischk. 3,005,803.
Holtschmidt, Hans, Müller, and Bayer. 2,999,082.
Malz, Hugo, Bayer and Wegler. 2,995,568.
Muller, Erwin, and Bayer. 2,999,844.
Muller, Erwin, Bayer, and Morschel. 2,998,403.
Muller, Erwin, Bayer, and Petersen. 3,014,894.
Nischk, Gunther, Bayer, Holtschmidt, and Meckbach. 2,984,643.
Roos, Ernst, Lober, Bayer, and Scheurlen. 3,010,937.
Thoma, Wilhelm, Bayer, and Rinke. 2,988,538.
Weis, Konrad, Kleiner, and Bayer. 3,005,677.
Bayer, Richard: *See*—
Herbert, Wilhelm, Eisenlohr, and Bayer. 2,995,511.
Bayer, Robert J., to General Motors Corp. Gas fuel injection system. 2,976,860, 3–28–61, Cl. 123—46.
Bayerische Motoren Werke A.G.: *See*—
Eibl, Josef. 3,013,582.
Hofmeisterr, Wilhelm. 3,002,783.
Bayfield, William A., to North American Philips Co., Inc. Radiation monitor. 2,976,421, 3–21–61, Cl. 250—83.6.
Bayha, Jack E.: *See*—
Faulkner, Willard J., and Bayha. 2,979,337.
Faulkner, Willard J., and Bayha. 2,983,513.
Israel, Dorman D., and Bayha. 2,991,716.
Baylerian, Marguerite S.: *See*—
Irish, Glenn E., and Baylerian. 2,996,451.
Bayless, Frank K., and D. H. Brennan, to General Electric Co. Motor brush assembly. 2,987,639, 6–6–61, Cl. 310—247.
Bayley, Elden D., Jr., to The William Bayley Co. Building panel. 2,971,616, 2–14–61, Cl. 189—34.
Bayley, William, Co., The: *See*—
Bayley, Elden D., Jr. 2,971,616.
Bayliff, Raymond W. Gramophone pick-ups. 2,984,711, 5–16–61, Cl. 179—100.41.
Baynham, John W.: *See*—
Barrer, Richard M., and Baynham. 2,972,516.
Bayon, Patrice M. Belt with closing device. 2,980,918, 4–25–61, Cl. 2—321.
Bays, Carl A., to Food Machinery and Chemical Corp. Solution mining of trona. 2,979,317, 4–11–61, Cl. 262—3.
Bayston, John R., and T. L. Kuebler, to J. R. Bayston, as trustee of Ice-Crafter (Liquidating) Trust. Ice making machine. 3,009,336, 11–21–61, Cl. 62—344.
Bayuk Cigars Inc.: *See*—
Wurman, Morris L. 2,989,174.

Bayuk, Robert R., J. R. Howe, and D. R. Spotz, to Borg-Warner Corp. Cooling package system. 2,994,515, 8–1–61, Cl. 257—310.

Bazan, Steven J., to Radio Corp. of America. Coupling device of slot antenna. 2,981,947, 4–25–61, Cl. 343—767.

Bazell, Graydon C., to W. J. Podbielniak. Method of preparing a coke plant ammoniacal liquor for processing in centrifugal extractors to recover phenol. 2,971,032, 2–7–61, Cl. 260—627.

Bazelmans, Wilhelmus J. C. M. Devices for removing creases from individual pieces of fabric by means of a current of air. 2,976,625, 3–28–61, Cl. 38—2.

Bazinet, Wilfred P., Jr.: *See*—
Hicks, John W., Jr., and Bazinet. 2,992,587.
Hicks, John W., Jr., and Bazinet. 2,995,970.

Bazinet, Wilfred P., Jr., to American Optical Co. Method for making fiber optical devices. 2,992,956, 7–18–61, Cl. 154—90.

Bazler, Seward M., to General Electric Co. Production of continuous laminated strips. 2,977,630, 4–4–61, Cl. 18—4.

Beach, Clarence E., ½ to R. R. Stratton, deceased; M. Stratton, executrix. Printing mechanism for facilitating data checking. 3,014,645, 12–26–61, Cl. 235—3.

Beach, Edward J., to Abbe Engineering Co. Cupped type rotor and vacuum stuffing box. 3,006,614, 10–31–61, Cl. 259—104.

Beach, Edward L.: *See*—
Goetz, Alfred K., and Beach. 2,967,230.

Beach Gauge Co.: *See*—
Beach, Robert G. 2,968,475.

Beach, Harold E.: *See*—
Hurtt, Leon E., and Beach. 3,011,109.

Beach, Janet L., to Hospital Supply and Development Co. Drainage bag. 3,001,565, 9–26–61, Cl. 150—1.

Beach, Justice H., to The Hoover Co. Electrical control for suction cleaners. 3,002,216, 10–3–61, Cl. 15—327.

Beach, Leland K., to United States of America, Army. Purification of isopropyl methylphosphonofluoridate. 2,991,302, 7–4–61, Cl. 260—461.

Beach, Leland K., to Esso Research and Engineering Co. Process for cracking dicyclopentadiene. 3,007,978, 11–7–61, Cl. 260—666.

Beach, Lennox F.: *See*—
Braddon, Frederick D., Beach, and Chadwick. 2,979,010.

Beach, Lennox F., to Sperry Rand Corp. Limited angular motion mechanism. 2,998,794, 9–5–61, Cl. 114—126.

Beach, Robert G., deceased; N. Brown, administrator, to Beach Gauge Co. Scale mechanism. 2,968,475, 1–17–61, Cl. 265—71.

Beach, William A., R. L. Burke, and D. R. Hogin, to Esso Research and Engineering Co. Domestic heating devices. 3,003,546, 10–10–61, Cl. 158—4.

Beacham, Harry H., and I. M. Panik, to National Lead Co. Method for setting keratinous fibers. 2,989,365, 6–20–61, Cl. 8—127.6.

Beachell, Chester E., to Canadian Patents and Development Ltd. Sound recording and reproducing apparatus utilizing perforated magnetic tape. 2,996,948, 8–22–61, Cl. 88—16.2.

Beachell, Chester E., to Canadian Patents and Development Ltd. Adjustable mountings for magnetic heads and the like. 2,997,547, 8–22–61, Cl. 179—100.2.

Beachell, Chester E., to Canadian Patents and Development Ltd. Apparatus for recording signals on magnetic tape. 3,011,032, 11–28–61, Cl. 179—100.2.

Beachem, Michael T., and J. T. Shaw, to American Cyanamid Co. Bis-sulfinic acid-olefin adducts. 2,993,932, 7–25–61, Cl. 260—557.

Beachler, Edward D.: *See*—
Hornbostel, Lloyd, Beachler, and Justus. 2,992,681.
Hornbostel, Lloyd, Beachler, and Justus. 2,992,965.
Justus, Edgar J., and Beachler. 3,013,938.

Beachler, Edward D., to Beloit Iron Works. Suction box with changeable belt. 2,981,653, 4–25–61, Cl. 162—200.

Beachler, Edward D., to Beloit Iron Works. Wire drive roll mounting and method. 3,001,580, 9–26–61, Cl. 162—348.

Beachler, Edward D., to Beloit Iron Works. Guide for alignment of moving band. 3,009,364, 11–21–61, Cl. 74—241.

Beachler, Edward D., to Beloit Iron Works. Web tension control means. 3,013,707, 12–19–61, Cl. 226—108.

Beachler, Edward D., to Beloit Iron Works. Stock distributor with adjustable inlet. 3,014,527, 12–26–61, Cl. 162—336.

Beachler, Edward D., and J. E. Goodwillie, to Beloit Iron Works. Slice tip mounting. 2,971,580, 2–14–61, Cl. 162—340.

Beachley, Robert W.: *See*—
Washam, Thomas C., and Beachley. 3,009,165.

Beacom, Robert, to The National Acme Co. Enlarged chuck. 2,985,460, 5–23–61, Cl. 279—119.

Beacon Mfg. Co.: *See*—
Johnson, William P., Jr. 2,986,173.
McCrary, William V. 3,009,489.
Rogers, John H. 2,981,297.
Rogers, John H. 2,983,027.

Beacon Production Equipment Corp.: *See*—
Fenton, Frank W. 3,000,295.

Beadle, Stanley, and A. A. Gee, to Muirhead & Co. Ltd. Mounting arrangements for gear trains. 2,968,971, 1–24–61, Cl. 74—606.

Beadling, John D.: *See*—
Linnabery, George H., and Beadling. 3,004,607.

Beagan, Michael A., Jr., to Joy Mfg. Co. Adjustable tool mounting. 2,975,993, 3–21–61, Cl. 248—2.

Beagle, Ralph G. Adjustable display and flower holder. 2,974,443, 3–14–61, Cl. 47—41.

Beagles, Robert, to Radio Corp. of America. Signal generator having an output linearly related to an input function. 2,998,573, 8–29–61, Cl. 331—37.

Beal, Carl L. Heat-hardening plastic composition. 2,971,933, 2–14–61, Cl. 260—23.

Beal, James F., to Robertshaw-Fulton Controls Co. Domestic appliance control. 2,993,975, 7–25–61, Cl. 219—20.

Beal, Keith F., and W. D. Schmidt, to United States of America, Army. Combustible cartridge case and method of making same. 2,982,211, 5–2–61, Cl. 102—43.

Beal, Philip F., III, to The Upjohn Co. 7-methyl-5,8(9)-pregnadiene-3,11,20-trione 3,20-bis ethylene ketal and process for the production thereof. 3,010,960, 11–28–61, Cl. 260—239.55.

Beal, Philip F., III, J. A. Hogg, and R. W. Jackson, to The Upjohn Co. 2-methyl-6-fluoro compounds of the pregnane series. 2,989,523, 6–20–61, Cl. 260—239.55.

Beal, Philip F., III, and J. A. Hogg, to The Upjohn Co. 9α-methylpregnenes, pregnadienes and intermediates therefor. 3,014,030, 12–19–61, Cl. 260—239.55.

Beal, Robert E., to United States of America, Agriculture. Method of preparing monomeric cyclic unsaturated acids. 3,005,840, 10–24–61, Cl. 260—413.

Beale, Evelyn S. L., to Alan Muntz & Co. Ltd. Internal-combustion-operated, free-piston gas-generators. 2,974,653, 3–14–61, Cl. 103—46.

Beale, Julian R. A., and A. F. Beer, to North American Philips Co., Inc. Method of making semiconductor device, 2,980,983, 4–25–61, Cl. 29—25.3.

Beall, Richard W., Jr. Combined liquid dispensing and air venting apparatus. 3,005,475, 10–24–61, Cl. 141—198.

Beall, William R., and K. F. Oldenburg, to Clary Corp. Read-out system for a value registering device. 2,981,466, 4–25–61, Cl. 235—60.4.

Beals, Evelyn J.: *See*—
Idol, James D., Jr., Tiffan, and Beals. 3,005,517.

Beals, Malcolm D., and K. H. Styhr, Jr., to National Lead Co. Ceramic glaze composition. 2,972,543, 2–21–61, Cl. 106—48.

Beals, Malcolm D., and L. Merker, to National Lead Co. Metal titanate preparation. 2,985,518, 5–23–61, Cl. 23—295.

Beam, Paul E., Jr., and V. W. Peterson, to General Motors Corp. Lubrication system. 2,996,146, 8–15–61, Cl. 184—6.

Beam Products Mfg. Co.: *See*—
Zonker, Lawrence C. 3,004,670.

Beam, Walter W., to Conch International Methane Ltd. Tank construction. 3,007,598, 11–7–61, Cl. 220—15.

Beaman, Norman V., to The Cleveland Automatic Machine Co. Pan greaser. 2,996,036, 8–15–61, Cl. 118—2.

Beaman, Norman V., and R. M. Broomall, to C. J. Patterson Co. Bowl storage conveyor. 2,978,096, 4–4–61, Cl. Cl. 198—181.

Beamer, Ralph R. Remote controlled steering device for outboard motors. 3,002,398, 10–3–61, Cl. 74—512.

Beamesderfer, Charles R.: *See*—
Ma, James L., and Beamesderfer. 2,967,339.

Beamesderfer, John W., and H. H. Morris, to Southern Clays, Inc. Treatment of clay. 2,974,054, 3–7–61, Cl. 106—288.

Beamon, Howard L., to Hanes Hosiery Mills Co. Automatic selective doffing device for knitwear looping machines. 2,999,470, 9–12–61, Cl. 112—26.

Beamon, Roger L.: *See*—
Heller, Ferdinand P., and Beamon. 2,987,428.

Bean, Alice E. Grooming glove. 2,988,049, 6–13–61, Cl. 119—83.

Bean, Billy J., and J. A. Mayhall, to Westinghouse Electric Corp. Stator structure for axial-flow fluid machine. 2,997,275, 8–22–61, Cl. 253—78.

Bean, Charles D. Woolen tape condenser. 3,013,312, 12–19–61, Cl. 18—151.

Bean, Claude T., Jr.: *See*—
Ilardo, Charles S., Bean, and Rohltschek. 2,992,196.
Rohltschek, Paul, and Bean. 3,007,958.

Bean, E. J., Ltd.: *See*—
Ash, William J. 2,990,801.

Bean, Morris, & Co.: *See*—
Bean, Xarifa L. 2,991,267.
Spier, Carl P. 2,983,005.
Spier, Carl P., and Wagner. 2,983,004.

Bean, Robert S.: *See*—
Cavanagh, George C., and Bean. 2,980,718.

Bean, Theodore S. Ballast tamper. 2,976,815, 3–28–61, Cl. 104—12.

Bean, William T., Jr. Pressure responsive devices. 2,979,680, 4–11–61, Cl. 338—5.

Bean, Xarifa L., to Morris Bean & Co. Coated sand and method of making the same. 2,991,267, 7–4–61, Cl. 260—38.

Bear Mfg. Co.: *See*—
MacMillan, Charles W. 2,972,256.

Beard, Lawrence R.: *See*—
Du Shane, Wallace H., and Beard. 3,002,397.

Beard, Richard B., to Minneapolis-Honeywell Regulator Co. Apparatus for controlling case hardening action. 2,980,415, 4–18–61, Cl. 266—5.

Beard, Richard B., and E. Snitzer, to Minneapolis-Honeywell Regulator Co. Gas analyzing apparatus. 2,999,379, 9–12–61, Cl. 73—23.

Beard, Robert B.: *See*—
Whittaker, George A., Winfield, Beard, and Brettle. 3,012,778.

Beardow, George M., ¼ to N. Beardow. Control unit and switch used therein. 2,993,963, 7-25-61, Cl. 200—30.

Beardow, Newell: *See*—
Beardow, George M. 2,993,963.

Beardslee, Wayne E.: *See*—
Otto, Lyle G., and Beardslee. 3,009,719.

Beardsley, Harold H. Convertible camp cots. 2,973,888, 3-7-61, Cl. 224—9.

Beardwood, Joseph T., III, and A. F. Burger, to United States of America, Air Force. Single-cycle-sine-wave generator. 2,995,709, 8-8-61, Cl. 328—27.

Bearer, Louis C., to Phillips Petroleum Co. Process for producing a fuel gas. 2,985,525, 5-23-61, Cl. 48—196.

Bearer, Paul J., and F. B. Llewellyn, to Bell Telephone Laboratories, Inc. Reduction of cross-modulation between the output stages of adjacent transmitters. 2,968,716, 1-17-61, Cl. 250—17.

Bearfoot Sole Co., Inc., The: *See*—
White, Benjamin D. 2,979,775.

Bearinger, Van W., and F. J. Larsen, to Minneapolis-Honeywell Regulator Co. Electrostrictive vibrator. 2,980,841, 4-18-61, Cl. 321—2.

Beasley, Albert W. Smoke eliminator. 2,996,143, 8-15-61, Cl. 183—6.

Beasley, Ermer G., Jr.: *See*—
Evans, Thomas C., and Beasley. 2,968,601.

Beasley, Hazel C., to Dow Corning Corp. Process of printing textiles and the composition employed therein. 2,990,230, 6-27-61, Cl. 8—62.

Beasley, Herschel V.: *See*—
Yeo, Ralph B. G., and Beasley. 2,992,148.

Beasley, Joseph D., and N. M. Campbell, to Arthur Andersen & Co. Multiple punch and eyeleter. 3,010,597, 11-28-61, Cl. 218—.5.

Beasley, Thomas J., to Lear, Inc. Gyroscopic apparatus. 2,969,681, 1-31-61, Cl. 74—5.4.

Beason, Robert C., and B. F. Anthony, to Oglebay Norton Co. Method and apparatus for cleaning a hot top. 2,967,750, 1-10-61, Cl. 131—8.

Beati, Enrico: *See*—
Natta, Giulio, Beati, and Severini. 2,972,605.

Beaton, Clarence E., and W. W. Herrick, to Sylvania Electric Products Inc. Exhaust tube and top cap assembly. 2,971,111, 2-7-61, Cl. 313—290.

Beaton, Roy H., to United States of America, Atomic Energy Commission. Adsorption of plutonium and/or fission products from aqueous solution. 2,990,243, 6-27-61, Cl. 23—14.5.

Beattie, Horace S., to International Business Machines Corp. Card feeding, sensing, and translating mechanism. 2,994,475, 8-1-61, Cl. 235—61.11.

Beattie, Ian R., and V. Gold. Separation or partial separation of components of a liquid medium. 2,995,016, 8-8-61, Cl. 62—58.

Beattie, Robert D., and J. E. Vivian, to Cabot Corp. Process for producing silicon tetrachloride. 2,982,620, 5-2-61, Cl. 23—205.

Beatty, Eugene F., to The Bendix Corp. Power brake with automatic hold feature. 2,978,080, 4-4-61, Cl. 192—3.

Beatty, Guy M. Soap bar with scrubbing bristles. 2,979,748, 4-18-61, Cl. 15—122.

Beatty, John W., to United States of America, Air Force. Oblique image compensating camera. 2,995,993, 8-15-61, Cl. 95—12.5.

Beatty, Paul J., to Addressograph-Multigraph Corp. Automatic carriage return mechanism for embossing machines. 2,982,390, 5-2-61, Cl. 197—6.6.

Beatty, Robert D., Jr., to R. B. Oviatt. Molding apparatus. 2,987,772, 6-13-61, Cl. 18—42.

Beatty, Robert H., to Amchem Products, Inc. Method for changing the bearing years of fruit trees. 2,978,838, 4-11-61, Cl. 47—58.

Beaty, Clarence E., to Harrison Cropsaver Co. Trestle leg connecting unit. 2,973,053, 2-28-61, Cl. 182—155.

Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Laterally movable doors for railway cars. 2,975,490, 3-21-61, Cl. 20—23.

Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Railway box cars. 2,979,786, 4-18-61, Cl. 20—22.

Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Extruded gaskets for laterally movable doors of railway cars. 2,993,243, 7-25-61, Cl. 20—69.

Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Sealing means for refrigerator car doors. 2,995,786, 8-15-61, Cl. 20—35.

Beaudet, Camille: *See*—
Hoi, Nguyen P. B., and Beaudet. 3,012,042.

Beaudet, Hermas N.: *See*—
Schroeder, Wesley D., and Beaudet. 3,010,930.

Beaudoin, Andre. Core plug. 2,985,292, 5-23-61, Cl. 206—59.

Beaudouin, Paul A.: *See*—
Dussumier de Fonbrune, Pierre H., and Beaudouin. 2,988,928.

Beaufils, Edmond R., and R. H. Cournut, to l'Union Financiere d'Extreme-Orient, Djibouti (Cote Francaise des Somalis), and Societe Auxiliaire de l'Institut Francais du Caoutchouc. Method of treating trees and means for carrying out this method. 2,970,404, 2-7-61, Cl. 47—57.5.

Beaugrand, Claude: *See*—
Tchediteh, Pierre, and Beaugrand. 2,991,432.

Beaumann, Raymond, to Ebauches S.A. Time meter with alarm device. 3,000,172, 9-19-61, Cl. 58—21.13.

Beaumont, James, and M. D. Chamberlain, to Koppers Co., Inc. Creosote composition of improved flowability and its production. 2,988,477, 6-13-61, Cl. 167—31.

Beaumont, James O.: *See*—
Barnard, Cecil P., and Beaumont. 3,011,700.

Beaumont, James O., to Hughes Aircraft Co. Devices employing the precession resonance of paramagnetic media. 3,014,210, 12-19-61, Cl. 340—347.

Beaumont, Richard W., to Ingersoll-Rand Co. Automatic feed control for rock drills. 2,985,249, 5-23-61, Cl. 175—27.

Beautiful Bryans, Inc.: *See*—
Cobert, Arthur J. 2,972,874.

Beauvais, Ramona P., to Foster Grant Co., Inc. Spectacle mask having a festive motif. 3,009,163, 11-21-61, Cl. 2—206.

Beaven, Leslie W. Engine of the expansion-reaction type. 2,981,064, 4-25-61, Cl. 60—39.34.

Beaven, Leslie W. Rotary radial piston engine. 3,003,308, 10-10-61, Cl. 60—13.

Beaver, David J., and R. O. Zerbe, to Monsanto Chemical Co. Benzylidene biscresols. 2,970,151, 1-31-61, Cl. 260—395.

Beaver, Edward J. Grinder and attachment therefor. 2,979,867, 4-18-61, Cl. 51—125.

Beaver, Harry W.: *See*—
Barfield, Walter B., and Beaver. 2,987,780.

Beaver, Miller B.: *See*—
Mahoney, Tennis. 2,987,995.

Beaver, Murray W., and N. C. Perry, Jr., to United States of America, Air Force. CW and pulse amplitude modulation analyzer. 2,991,420, 7-4-61, Cl. 328—13.

Beaver Pipe Tools, Inc.: *See*—
Everett, Charles T. 2,985,458.
Pealer, Robert B. 2,966,819.

Beaver Precision Products, Inc.: *See*—
Morris, Walter H., and Anderson. 3,008,774.
Propst, Verle V. 2,975,649.
Sears, Richard E. 2,969,222.
Sears, Richard E., and Morris. 2,978,920.

Beaver, Richard J., to United States of America, Atomic Energy Commission. Zirconium-cladding of thorium. 3,009,242, 11-21-61, Cl. 29—170.

Beaver, Wallace W., and J. G. Theodore, to The Brush Beryllium Co. Process of producing synthetic mica. 2,987,777, 6-13-61, Cl. 18—58.2.

Beaver, William L., to Varian Associates. Electron beam discharge apparatus. 2,991,391, 7-4-61, Cl. 315—3.5.

Beavers, Ellington M.: *See*—
Hurwitz, Marvin J., and Beavers. 2,990,378.
Hurwitz, Marvin J., Craig, and Beavers. 2,975,152.
O'Brien, Joseph L., and Beavers. 2,979,514.

Beavers, Ellington M., S. P. Rowland, and R. G. White, to Rohm & Haas Co. Method of epoxidation of unsaturated esters. 2,997,484, 8-22-61, Cl. 260—348.5.

Beavers, Ellington M., and J. L. O'Brien, to Rohm & Haas Co. Monoepoxidation of esters, monomers, and polymers thereof. 3,001,975, 9-26-61, Cl. 260—86.1.

Beavers, Ellington M., and J. L. O'Brien, to Rohm & Haas Co. Selective monoepoxidation. 3,002,004, 9-26-61, Cl. 260—348.5.

Beavers, Leo E., to Eastman Kodak Co. Yellow-colored magenta-forming couplers. 2,983,608, 5-9-61, Cl. 96—100.

Beavon, David K.: *See*—
Clauson, Frank A., and Beavon. 2,967,208.

Beazley, Warren B.: *See*—
Herbst, John H. E., Beazley, and Krässig. 3,000,875.

Bebbington, Frank: *See*—
Batty, John W., Lambert, Scott, Bebbington, and Seed. 2,971,952.

Becan, Arthur F. Refuse cart. 2,992,011, 7-11-61, Cl. 280—36.

Bechaud, Leslie J., Jr., and H. Hartjens, to Newmont Exploration Ltd. Heat treatment and concentration of oxide ores. 2,989,394, 6-20-61, Cl. 75—2.

Becher, Elisabeth, K. Bernhauer, and G. Wilharm, to Hoffmann-La Roche Inc. Process for the conversion of benzimidazole-containing vitamin B_{12} factors, particularly factor III, to vitamin B_{12}. 2,976,220, 3-21-61, Cl. 195—114.

Becher, Elisabeth, K. Bernhauer, and G. Wilharm, to Hoffmann-La Roche Inc. Process for conversion of purine-containing to benzimidazole-containing vitamin B_{12} factors. 2,976,221, 3-21-61, Cl. 195—114.

Becher, Elisabeth, K. Bernhauer, and G. Wilharm, to Hoffmann-La Roche Inc. Process for the biosynthetic conversion of incomplete acid vitamin B_{12} factors to vitamin B_{12}. 2,976,222, 3-21-61, Cl. 195—114.

Becher, Ernest F.: *See*—
Navelle, Ward J., De Vriers, and Becher. 2,973,027.

Becher, Harold, to Strato-Missiles, Inc. Marksmanship trainer and recorder. 2,968,877, 1-24-61, Cl. 35—25.

Becher, William, Jr. Hook construction. 2,991,037, 7-4-61, Cl. 248—211.

Bechik, Michael, to Bechik Products Inc. Innerspring mattress construction and reinforcing means for the side walls thereof. 2,978,714, 4-11-61, Cl. 5—351.

Bechik, Michael, to Bechik Products Inc. Mattress handle. 2,981,960, 5-2-61, Cl. 5—345.

Bechik, Michael, to Bechik Products Inc. Mattress handle. 2,986,748, 6-6-61, Cl. 5—345.

Bechik Products Inc.: *See*—
Bechik, Michael. 2,978,714.
Bechik, Michael. 2,981,960.
Bechik, Michael. 2,986,748.

Bechler, Andre. Automatic lathe with plural tool spindles and means to change tool spindle speed to effectuate reversal for threading. 3,003,166, 10–10–61, Cl. 10—136.

Bechtel, Robert J., and R. M. Brooks, to Hercules Powder Co. Purification of magnesium nitrate dehydrating solution employed in nitric acid manufacture. 2,999,009, 9–5–61, Cl. 23—160.

Bechtold, Alwyn: *See*—
Cathey, Carrol M., Finch, and Bechtold. 3,000,022.

Bechtold, Friedrich W., to The S. S. White Dental Mfg. Co. Rotating chair arm structure. 2,980,170, 4–18–61, Cl. 155—198.

Bechtold, Max F., to E. I. du Pont De Nemours and Co. Process for coagulating and coalescing acrylonitrile dispersions in aqueous inorganic salt solutions. 2,972,511, 2–21–61, Cl. 18—54.

Beck, Alfred. Apparatus for cutting uniform pitch threads on a blank of cylindrical and conical configuration. 2,979,741, 4–18–61, Cl. 10—105.

Beck, Andrew J., to Caterpillar Tractor Co. Earthmoving scraper with improved apron control. 2,984,027, 5–16–61, Cl. 37—129.

Beck, Arnold H. W., to International Standard Electric Corp. Electron discharge devices. Re. 25,070, 10–31–61, Cl. 315—3.5.

Beck, Arnold H. W., to International Standard Electric Corp. Thermionic cathodes. 3,013,171, 12–12–61, Cl. 313—82.

Beck, Arnold H. W., D. C. Rogers, and P. F. C. Burke, to International Standard Electric Corp. Electron gun for electron discharge tube. 2,974,246, 3–7–61, Cl. 313—84.

Beck, Charles E.: *See*—
Goss, Wilbur, Beck, and Erwood. 2,968,242.

Beck, Cyrus. Automatic dead reckoning system. 3,001,715, 9–26–61, Cl. 235—186.

Beck, David C., to Liberty Folder Co. Buckle type folding machine. 2,997,295, 8–22–61, Cl. 270—62.

Beck, Donald: *See*—
Shull, Gilbert M., and Beck. 2,995,496.

Beck, Donald, and G. M. Shull, to Chas. Pfizer & Co., Inc. Hydroxylating 12a-deoxytetracycline with ascomyceteae. 2,970,087, 1–31–61, Cl. 195—80.

Beck, Frances, Memorial Fund, The: *See*—
Beck, William C. 2,983,271.

Beck, George R. Building element for toy structures. 2,984,935, 5–23–61, Cl. 46—25.

Beck, Harold R., and R. S. Poplin, to Lockheed Aircraft Corp. Electro thermal valve. 2,998,018, 8–29–61, Cl. 137—74.

Beck, John M. Precision seed planter. 2,980,043, 4–18–61, Cl. 111—77.

Beck, John S. H.: *See*—
Trelford, Franklyn B. 2,995,991.

Beck, John W., to International Business Machines Corp. Data transmission. 3,001,140, 9–19–61, Cl. 328—135.

Beck, Julius S. Slush pump piston. 2,975,011, 3–14–61, Cl. 309—4.

Beck, Julius S., to J. E. Hill. Extensible drill collar. 3,001,596, 9–26–61, Cl. 175—300.

Beck, Kenneth H., to Minneapolis-Honeywell Regulator Co. Phototransistor modulating apparatus. 2,967,279, 1–3–61, Cl. 332—3.

Beck, Kenneth H., to Minneapolis-Honeywell Regulator Co. Series-energized cascaded transistor amplifier. 2,999,984, 9–12–61, Cl. 330—18.

Beck, Kenneth H., and G. C. Rein, to Minneapolis-Honeywell Regulator Co. Facsimile systems. 2,989,586, 6–20–61, Cl. 178—7.1.

Beck, Leonard R., to Studebaker Hydraulic Products Co. Air-hydraulic apparatus. 2,979,903, 4–18–61, Cl. 60—54.5.

Beck, Louis. Circulating units for paint preheaters. 2,970,813, 2–7–61, Cl. 257—254.

Beck, Peter M. Dental mirror wiper attachment. 2,973,541, 3-7-61, Cl. 15—250.15.

Beck, Richard, Jr., to McCulloch Corp., Marine Products Division. Proportional mixing tank. 2,971,673, 2–14–61, Cl. 220—86.

Beck, Robert M., G. W. Fairchild, V. P. Magnuson, and M. Palevsky, to The Bendix Corp. Digital differential analyzers. 3,007,640, 11–7–61, Cl. 235—452.

Beck, Robert M., G. W. Fairchild, V. P. Magnuson, and M. Palevsky, to The Bendix Corp. Digital differential analyzers. 3,007,641, 11–7–61, Cl. 235—152.

Beck, Rudolph C. Vacuum release valve. 2,981,279, 4–25–61, Cl. 137—480.

Beck, Warren R., and C. F. Tung, to Minnesota Mining and Mfg. Co. Light filtering high-index glass elements. 2,992,122, 7–11–61, Cl. 106—53.

Beck, William C., to Sterling Precision Corp. Method of detecting small holes in rubber gloves. 2,981,886, 4–25–61, Cl. 324—54.

Beck, William C., to The Frances Beck Memorial Fund. Surgical mask. 2,983,271, 5–9–61, Cl. 128—146.

Beck, William R., and W. G. Bunchak, to Goodman Mfg. Co. Wheel mounting for shuttle cars and the like. 3,002,763, 10–3–61, Cl. 280—96.1.

Beckadolph, Richard: *See*—
Niclas, Walter, and Beckadolph. 2,967,564.
Niclas, Walter, and Beckadolph. 2,997,094.

Beckadolph, Richard, to Continental Gummi-Werke Aktiengesellschaft. Pneumatic tire. 2,976,905, 3–28–61, Cl. 152—354.

Beckadolph, Richard, to Firma Continental Gummi-Werke Aktiengesellschaft. Tire. 2,986,191, 5–30–61, Cl. 152—356.

Becke, Margot, to Joh. A. Benckiser, G.m.b.H. Chemische Fabrik. Polymeric compounds. 3,002,807, 10–3–61, Cl. 23—14.

Becke, Margot, nee Goehring, and E. Fluck, to Joh. A. Benckiser, G.m.b.H., Chemische Fabrik. Process of producing pyrophosphoryl chloride. 3,014,786, 12–26–61, Cl. 23—203.

Beckelman, Bernard F.: *See*—
Truly, Richard H., Jr., Bonifaci, and Beckelman. 2,968,147.

Becker, August: *See*—
Riegger, Paul, Vogtlin, and Becker. 2,982,594.

Becker, Bernard B., to Lewis-Shepard Co. Hydraulic hose take up. 2,978,129, 4–4–61, Cl. 214—653.

Becker, Charles H., and C. W. Cochran, to United-Carr Fastener Corp. Fastening device. 3,007,725, 11–7–61, Cl. 287—20.5.

Becker, Dale F., and F. Kurz, to Sangamo Electric Co. Single stator watthour meter for polyphase systems. 2,997,653, 8–22–61, Cl. 324—107.

Becker, Eugene: *See*—
Barbieri, Donald B., Becker, Dalton, and Galowin. 2,975,225.

Becker, Eugene, to Olin Mathieson Chemical Corp. Method of burning boron containing fuels in a jet engine to minimize boron oxide deposits. 2,986,876, 6–6–61, Cl. 60—35.4.

Becker, Eugene, to Olin Mathieson Chemical Corp. Operation of jet engines to decrease boric oxide deposits. 3,006,141, 10–31–61, Cl. 60—35.4.

Becker, Floyd K., to Bell Telephone Laboratories, Inc. Nonlinear integrating control circuit. 2,982,885, 5–2–61, Cl. 317—142.

Becker, Floyd L.: *See*—
Abler, Robert A., Becker, and Clifford. 2,999,448.

Becker, Fritz: *See*—
Wittemeier, Hans-Joachim, and Becker. 2,988,168.

Becker, George D., and K. B. Lowe, to Nordberg Mfg. Co. Variable actuator for screens, feeders and the like. 2,977,809, 4–4–61, Cl. 74—87.

Becker, George D., and K. B. Lowe, to Nordberg Mfg. Co. Screen and vibrating means therefor. 2,994,431, 8–1–61, Cl. 209—367.

Becker, Gustav: *See*—
Hoffmann, Karl-Heinz, and Becker. 2,977,797.

Becker, Heinz. Apparatus for emptying and flushing vessels for pasty substances. 3,009,649, 11–21–61, Cl. 239—225.

Becker, Hermann. Method for making a plastic thread. 2,985,503, 5–23–61, Cl. 18—54.

Becker, Howard I., Jr., to General Electric Co. Automatic direct paging system. 2,985,719, 5–23–61, Cl. 179—1.

Becker, Irene: *See*—
Young, Raymond L. and W. P. 2,968,810.

Becker, Jacob. Combination lawn edger and hedge trimmer. 3,006,127, 10–31–61, Cl. 56—25.4.

Becker, Johannes: *See*—
Bouwers, Albert, and Becker. 3,001,446.

Becker, Johannes, to N.V. Optische Industrie de Oude Delft. High aperture objective of the Gauss-type. 2,985,071, 5–23–61, Cl. 88—57.

Becker, Johannes, and H. W. Bulthuis, to N.V. Optische Industrie de Oude Delft. Optical lens system having a relative aperture larger than f/1. 2,978,957, 4–11–61, Cl. 88—57.

Becker, John E. Fluid couplings. 2,988,006, 6–13–61, Cl 103—115.

Becker, Joseph, to Koppers Co., Inc. Coke quenching stations and methods. 2,975,106, 3–14–61, Cl. 202—37.

Becker, Joseph A., to Bell Telephone Laboratories, Inc. Radiant-energy translation system. 3,011,058, 11–28–61, Cl. 250—83.3.

Becker, Milton, M. Cutler, and J. R. Gliessman, to Hughes Aircraft Co. Semiconductor device and method of making same. 3,001,894, 9–26–61, Cl. 148—1.5.

Becker, Mitchell, and R. S. Barker, to Scientific Design Co., Inc. Preparation of maleic anhydride and catalyst thereof. 2,967,185, 1–3–61, Cl. 260—346.8.

Becker, Myron, to Socony Mobil Oil Co., Inc. Pyrrolidone deicer in gasoline fuels. 2,978,303, 4–4–61, Cl. 44—63.

Becker, Otto A. Apparatus for operating drawers or the like in a desk, cabinet or the like. 3,005,672, 10–24–61, Cl. 312—223.

Becker, Otto A., and G. F. Blazs, to The Garrett Corp. Nutating disk type fluid operated motors. 2,997,000, 8–22–61, Cl. 103—133.

Becker, Peter A.: *See*—
Willyoung, David M., and Becker. 2,986,664.

Becker, Philip D., to United-Carr Fastener Corp. Self-threading sheet metal nut. 2,969,705, 1–31–61, Cl. 85—36.

Becker, Reynolds G., to United States of America, Army. Helicopter cargo pickup device. 3,005,653, 10–24–61, Cl. 294—74.

Becker, Robert E., to Logansport Machine Co. Air valve. 2,991,800, 7–11–61, Cl. 137—596.2.

Becker, Robert E., to Logansport Machine Co., Inc. Pneumatic control unit. 2,998,021, 8–29–61, Cl. 137—116.5.

Becker, Robert E., to Logansport Machine Co. Differential pressure air valve. 2,998,026, 8–29–61, Cl. 137—622.
Becker, Robert E., to Logansport Machine Co., Inc. Air bleeder valve. 3,008,686, 11–14–61, Cl. 251—320.
Becker, Robert F., and B. L. Smiley, to Minneapolis-Honeywell Regulator Co. Switch apparatus. 3,001,417, 9–26–61, Cl. 74—528.
Becker, Robert H., D. L. Johnson, and W. T. Martin, to American Cyanamid Co. Tow guide. 2,991,502, 7–11–61, Cl. 18—8.
Becker, Robert H., W. T. Martin, and L. J. Ponson, to American Cyanamid Co. Two-processing apparatus. 3,007,225, 11–7–61, Cl. 28—1.
Becker, Robert H., W. T. Martin, and L. J. Ponson, to American Cyanamid Co. Method of processing a tow of filamentary material. 3,007,226, 11–7–61, Cl. 28—76.
Becker, Rodger F., to Aero-Motive Mfg. Co. Reel lock with quick release. 2,969,932, 1–31–61, Cl. 242—107.7.
Becker, Rodger F., to Aero-Motive Mfg. Co. Universal connector. 3,006,674, 10–31–61, Cl. 287—92.
Becker, Rodger F., to Aeromotive Mfg. Co. Pre-load control for a coil spring. 3,007,653, 11–7–61, Cl. 242—107.5.
Becker, Rudolf, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Low-temperature rectifying plant for acetylene-containing gas mixtures. 3,009,328, 11–21–61, Cl. 62—44.
Becker, Sylvan J., to Borg-Warner Corp. Thermostatically controlled clutch. 2,986,250, 5–30–61, Cl. 192—82.
Becker, Sylvan J., and R. J. Settimi, to Borg-Warner Corp. Transmission. 3,012,445, 12–12–61, Cl. 74—217.
Becker, Wilhelm: *See*—
Delius, Hermann, and Becker. 3,006,876.
Becker, Wilhelm, F. Schmeissmeier, K. Feja, and W. Schuster. Conveyor trains. 2,979,184, 4–11–61, Cl. 198—109.
Becker, Wilhelm F. K. Device for location of surfaces. 2,986,924, 6–6–61, Cl. 73—37.5.
Becker, William E., to Bacon Felt Co. Composite polishing member and method for making same. 3,013,366, 12–19–61, Cl. 51—195.
Becker, Willy, to Rheinmetall Aktiengesellschaft. Control means for the number printing mechanism of a calculating device for an office machine. 2,973,708, 3–7–61, Cl. 101—95.
Beckerich, John F., to Collins Radio Co. Variable bandwidth and center frequency receiving scheme. 2,998,517, 8–29–61, Cl. 250—20.
Beckers, Hans, to W. Reiners. System for testing and sorting coil cores. 2,980,250, 4–18–61, Cl. 209—75.
Beckert, Ernst: *See*—
Hofmann, Ulrich. 3,004,660.
Beckett, Donald E. and W. N., to Beckett-Harcum Co. Ball valve. 2,985,191, 5–23–61, Cl. 137—624.
Beckett-Harcum Co.: *See*—
Beckett, Donald E. and W. N. 2,985,191.
Beckett, John C.: *See*—
Hicks, William W., and Beckett. 2,972,680.
Beckett, William N.: *See*—
Beckett, Donald E. and W. N. 2,985,191.
Beckington, Arthur R.: *See*—
Morris, Charles W., and Beckington. 2,974,900.
Beckius, Ivar, and A. Olin, to Allmanna Svenska Eletriska Aktiebolaget. Protection means against corona of live parts in electric vacuum melting furnaces. 3,008,027, 11–7–61, Cl. 219—10.79.
Beckley, Arthur H., to Moore Dry Kiln Co. Discharging assembly for kiln loads of lumber. 2,970,704, 2–7–61, Cl. 214—8.5.
Beckman, Edward L. Apparatus for forming holes. 3,004,320, 10–17–61, Cl. 25—128.
Beckman, Ernest C., to Modern Metal Products Co. Deck lid latch. 2,977,785, 4–4–61, Cl. 70—141.
Beckman Instruments, Inc.: *See*—
Anthon, Erik W. 2,985,873.
Arthur, Edwin P., and Gilmont. 2,968,535.
Braymer, Noel B. 2,972,067.
Braymer, Noel B. 2,978,625.
Colburn, David S. 3,005,144.
Gale, George P. 3,009,390.
Greene, William E., and Robinson. 3,006,194.
Gunning, William F. 2,986,654.
Henderson, Billie D. 2,992,588.
Hinrichs, Karl, and White. 3,011,132.
Molloy, Everett W. 3,011,059.
Molloy, Everett W., and Braymer. 2,970,266.
Preston, Howard G. 2,994,862.
Savage, Lester D., Jr., and Stickney. 2,984,109.
Strickler, Allen. 2,967,749.
Thomason, Thomas H. 2,988,275.
Beckman, John H., to Union Carbide Corp. Apparatus for storing and dispensing liquefied gases. 2,968,163, 1–17–61, Cl. 62—51.
Beckman, John H., and E. H. Kemp, to Union Carbide Corp. Method and apparatus for supplying liquefied gas. 2,970,452, 2–7–61, Cl. 62—51.
Beckman, Paul. Electrical resistance type thermometer. 3,005,171, 10–17–61, Cl. 338—28.
Beckman, Richard H.: *See*—
Williams, Alexander W., Beckman, and Mook. 3,001,878.
Beckman & Whitley, Inc.: *See*—
Buck, Willard E. 2,968,989.
Buck, Willard E. 2,999,420.
Buck, Willard E. 3,006,250.
Buck, Willard E. 3,007,384.
Buck, Willard E., and Teeple, Jr. 2,968,990.
Beckman, William R.: *See*—
Crooks, Charles E., and Beckman. 2,983,255.
Beckmann, Charles O., H. C. Klein, and R. Griffith, to Nopco Chemical Co. Process for obtaining D(-)-α-hydroxy-β,β-dimethyl-γ-butyrolactone. 2,967,869, 1–10–61, Cl. 260—343.6.
Beckmann, Hans. Method of conserving fresh fish. 2,987,404, 6–6–61, Cl. 99—195.
Beckmann, Herbert K.: *See*—
Greenwood, Marvin H., and Beckmann. 2,989,922.
Becknell, James L., and D. M. Papa, to Cutler-Hammer, Inc. Selector device. 3,012,115, 12–5–61, Cl. 200—83.
Beckner, Donald O., and W. E. Lamlein, to Simonds Saw & Steel Co. Manufacture of inserted-tooth saw bits and shanks. 3,004,902, 10–17–61, Cl. 204—23.
Beckner, Wilbur R., Jr., to Landis Machine Co. Work handling means comprising movable chute sections to allow indexing of work chuck in a tapping machine. 2,981,962, 5–2–61, Cl. 10—139.
Becks, Donald A. Side-cart attachment for bicycles. 3,013,814, 12–19–61, Cl. 280—203.
Beckson Mfg. Co.: *See*—
Sisson, Earl L. 3,006,282.
Becktel, Jack M., F. E. Kuester, and E. Fritz, to Swift & Co. Stabilized halogenated oils. 3,008,833, 11–14–61, Cl. 99—163.
Beckwell, George, to The Cal-Dak Co. Collapsible bed rail. 2,991,487, 7–11–61, Cl. 5—331.
Beckwith-Arden Inc.: *See*—
Gaquin, John H. 2,970,331.
Beckwith, John B., to Associated Spring Corp. Fluid cooled spring device. 2,977,109, 3–28–61, Cl. 267—1.
Beckwith, Robert W. Signal transmission circuit. 2,999,948, 9–12–61, Cl. 307—88.5.
Beckwith, Sterling, to Conch International Methane Ltd. Purge means for storage tank. 2,986,010, 5–30–61, Cl. 62—46.
Beckwith, Sterling. Polycopter. 3,002,712, 10–3–61, Cl. 244—17.23.
Beckwith, Sterling, to Conch International Methane Ltd. Cold boiling liquid storage tank relief valve. 3,008,483, 11–14–61, Cl. 137—375.
Beckworth, Dixie. Reusable pressurized canister. 2,976,897, 3–28–61, Cl. 141—17.
Becnel, Lawrence F.: *See*—
Hill, Alfred B., Becnel, and Tassin. 2,967,538.
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Weissmann, Léon, and Volpert. 2,981,199.
Becton Dickinson and Co.: *See*—
Buck, James R. 3,012,752.
Cappel, Leona R. and N. O. 3,010,875.
Flynn, Vicent J. 2,997,043.
Henderson, John A., and Howard. 2,995,334.
Holderith, William J. 2,996,105.
Bedague, Pierre: *See*—
Baumgartner, Pierre, Bedague, and Balaceanu. 3,006,732.
Bedard, Eugene J., D. F. Lippincott, and C. H. Nickell, to The Wheland Co. Drive for reciprocating power pumps and the like. 2,999,401, 9–12–61, Cl. 74—801.
Bedard, Roger E.: *See*—
Goyette, Francis H., and Bedard. 2,987,051.
Bedding Manufacturers Associates, Inc.: *See*—
Freeman, Morris M. 2,975,437.
Bede, Bela, to New Electronic Products Ltd. Electric relays. 2,985,735, 5–23–61, Cl. 200—103.
Bedell, John R.: *See*—
Precht, Walter, Geckle, and Bedell. 3,004,907.
Bedell, Karl L., and C. R. Fields, to Williams Furnace Co. Sealed heater venting system. 2,998,764, 9–5–61, Cl. 98—62.
Bedell, Sidney J., to Pitegoff Bros., Inc. Brushes. 2,993,221, 7–25–61, Cl. 15—193.
Beder, Oscar: *See*—
Cohen, Arnold, and Beder. 2,988,229.
Bedetti, Suzanne. Collapsible baby pot. 3,002,194, 10–3–61, Cl. 4—111.
Bedford, Alda V., to Radio Corp. of America. Picture signal aperture compensation. 2,989,587, 6–20–61, Cl. 178—7.2.
Bedford Gear and Machine Products, Inc.: *See*—
Etchell, Howard L. 2,968,100.
Bednar, William A., and R. D. Crawford, to Research Unlimited, Inc. Toy rocket. 2,993,297, 7–25–61, Cl. 46—74.
Bednars, Charles: *See*—
Patton, James L., Stanford, and Bednars. 3,007,862.
Smith, Martin R., and Bednars. 3,006,840.
Bedner, Julius W. Continuous mixing machine for concrete and similar substances. 2,989,291, 6–20–61, Cl. 259—174.
Bedner, Julius W. Pile-driver with a hydraulically operated pile rammer. 3,009,522, 11–21–61, Cl. 175—152.
Bedortha, Lawrence T., and J. W. Halliwell, to Halortha Engineering Co., Inc. Belt sander. 2,976,652, 3–28–61, Cl. 51—170.
Bedson, Joseph H., Jr.: *See*—
Huff, James W., and Bedson. 2,967,563.
Bee Chemical Co.: *See*—
Roney, Charles F. 2,990,386.
Bee and Gee Mfg. Co., Inc.: *See*—
McCartan, Thomas F. 2,986,201.
Bee Line Co.: *See*—
Jacobsen, Le Roy V. 2,968,185.
Beears, Warren L.: *See*—
Roha, Max E., and Beears. 2,977,381.

Beebe, Austin H., Jr.: *See*—
Probst, Robert L., Karp, Sayre, and Beebe. 2,968,062.
Beebe, Billie B., to Beebe Bros. Guide attachment for industrial stapling machines. 2,994,883, 8–8–61, Cl. 1—331.
Beebe Bros.: *See*—
Beebe, Billie B. 2,994,883.
Beebe, Herbert R., to American Doll & Toy Corp. Walking dolls. 2,996,837, 8–22–61, Cl. 46—149.
Beebe, Herbert R., to American Doll & Toy Corp. Walking doll. 2,996,838, 8–22–61, Cl. 46—149.
Beebe, Herbert R., to American Doll & Toy Corp. Sound producing devices. 3,001,323, 9–26–61, Cl. 46—187.
Beebe, Herbert R., and R. Harvey, to American Doll & Toy Corp. Toy figure with articulated feet. 2,994,157, 8–1–61, Cl. 46—163.
Beebe, John N., to Raytheon Co. Echo distance measuring systems. 2,972,731, 2–21–61, Cl. 340—3.
Beebe, Richard D.: *See*—
De Remer, John B., Sipe, and Beebe. 3,011,040.
De Remer, John B., Sipe, and Beebe. 3,013,624.
Beebee, Brian H., to Dunlop Rubber Co. Ltd. Apparatus for the manufacture of pneumatic tires. 2,996,108, 8–15–61, Cl. 154—9.
Beeber, Allan R. A., Kenffel & Esser Co. Measuring tape. 2,994,958, 8–8–61, Cl. 33—37.
Beeber, Allan R. A., and D. S. Spechler, to Keuffel & Esser Co. Drawing material. 2,999,016, 9–5–61, Cl. 96—75.
Beeber, Kenneth H., to Ward Leonard Electric Co. Speed regulator for motor driven generators. 2,985,815, 5–23–61, Cl. 322—32.
Beech Aircraft Corp.: *See*—
Holben, Clair D. 2,980,448.
Beech, Geoffrey W.: *See*—
Abberley, John C., and Beech. 2,984,270.
Beech, James F. Cleaning apparatus for paint applicator rollers and the like. 2,968,824, 1–24–61, Cl. 15—4.
Beecham Research Laboratories Ltd.: *See*—
Johnson, David A., and Hardcastle. 3,008,955.
Nettleton, Donald E., Jr., Hooper, Johnson, and Hardcastle. 3,008,956.
Beecher, Henry C. Cop winder. 3,000,581, 9–19–61, Cl. 242—27.
Beecher, Norman, to National Research Corp. Pumping device. 2,985,356, 5–23–61, Cl. 230—69.
Beede, Arnold H., A. P. Cawl, and R. C. Lampe, to Electrolux Corp. Combined handle and electric plug retainer. 2,975,391, 3–14–61, Cl. 339—91.
Beederman, Morris: *See*—
Vogler, Seymour, and Beederman. 2,982,600.
Beegan, David T., and H. O. Boss, to Borg-Warner Corp. Differential adjustment for precision instruments. 2,977,802, 4–4–61, Cl. 73—432.
Beehler, Vernon D.: *See*—
Noble, Stuart D. 3,002,707.
Beck, Joseph A., Jr.: *See*—
Hagen, Glenn E., Williams, Beek, and Russell. 3,007,639.
Beeler, Martha A., and M. E. Gager, to General Electric Co. Method of making cathode ray tube screens. 2,992,919, 7–18–61, Cl. 96—35.
Beeler, Theodore L., to Bell Telephone Laboratories, Inc. Synchronized multivibrator with selectable clamping means for rendering it inoperative. 3,008,088, 11–7–61, Cl. 328—200.
Beem, Donald W., and R. E. Conrad, to North American Aviation, Inc. Aircraft. 2,970,793, 2–7–61, Cl. 244—121.
Beemer, Robert J.: *See*—
Blackman, Calvin C., and Beemer. 2,988,349.
Blackman, Calvin C., Beemer, and Lorig. 3,008,663.
Been, Jerome L., to Rubber and Asbestos Corp. Brush manufacturing. 3,008,193, 11–14–61, Cl. 18—59.
Beene, Jones C., III. Self-leveling furniture leg. 2,975,546, 3–21–61, Cl. 45—137.
Beeney, Donald W., to Sylvania Electric Products Inc. Electrical shield. 2,981,786, 4–25–61, Cl. 174—35.
Beer, Andrew F.: *See*—
Beale, Julian R. A., and Beer. 2,980,983.
Beereboom, John J.: *See*—
Blackwood, Robert K., Rennhard, Beereboom, and Stephens. 2,984,686.
Beerens, Cornelius J. M.: *See*—
Temple, Peter L., and Beerens. 2,972,125.
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Tanker, George E., and Beerli. 3,008,602.
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Beers, George L. Devices for protecting and lubricating electric shavers. 3,012,109, 12–5–61, Cl. 191—12.2.
Beers, Robert T., to Chicago Pneumatic Tool Co. Socket connecting means for a rotary impact tool. 2,990,189, 6–27–61, Cl. 279—97.
Beers, Roland F., Jr. Process for preparing a nucleic acid. 3,001,913, 9–26–61, Cl. 195—29.
Beersma, Pieter J. A., and G. Moes, to Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken. Method of manufacturing starch products. 2,967,110, 1–3–61, Cl. 106—206.
Beersmans, Jules E., and P. F. De Smet, to Gevaert Photo-Producten N.V. Manufacture of noncurling multilayer material. 2,993,793, 7–25–61, Cl. 96—87.
Beese, Norman C.: *See*—
Plagge, Vernon L., and Beese. 3,010,045.
Beese, Norman C., to United States of America, Navy. Method of evaporating metals. 2,975,075, 3–14–61, Cl. 117—107.
Beese, Norman C., to Westinghouse Electric Corp. Communication system. 2,999,163, 9–5–61, Cl. 250—86.
Beese, Norman C., to United States of America, Navy. Modulated short arc lamp envelope structure. 3,005,923, 10–24–61, Cl. 313—184.
Beese, Norman C., and T. C. Retzer, to Westinghouse Electric Corp. Motion picture projector. 2,995,064, 8–8–61, Cl. 88—18.
Beese, William C. A., and H. E. Bergmann, to Azon Corp. Non-stop winding of continuous web into successive rolls. 2,980,356, 4–18–61, Cl. 242—56.
Beesley, James P., to International Business Machines Corp. Power amplifier circuit. 2,995,710, 8–8–61, Cl. 328—58.
Beeson, Robert J., to The Jaeger Machine Co. Quick-crown-change surfacing unit. 2,990,754, 7–4–61, Cl. 94—45.
Beets, Muus G. J., and H. van Essen, to International Flavors & Fragrances I.F.F. (Nederland) N.V. Process for making 2-methyl-3-(3′-4′-methylenedioxyphenyl)-propanal. 3,008,968, 11–14–61, Cl. 260—340.5.
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Beggs, Donald, to Midland-Ross Corp. Annealing furnace seal. 2,971,871, 2–14–61, Cl. 148—16.
Beggs, James E., to General Electric Co. Electric discharge device and socket. 2,981,897, 4–25–61, Cl. 331—99.
Beggs, James E., to General Electric Co. Method of forming a conductive film. 3,013,328, 12–19–61, Cl. 29—155.7.
Beggs, William S., to The Atlantic Refining Co. Wax coating and laminating composition and sheet material coated and laminated therewith. 3,014,002, 12–19–61, Cl. 260—28.5.
Begley, George W. Holder for use on garment hangers. 2,990,985, 7–4–61, Cl. 223—88.
Begley, John W., to Phillips Petroleum Co. Conversion of hydrocarbons. 2,983,771, 5–9–61, Cl. 260—679.
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Farrow, Ronald L., Bego, and Anderson. 2,984,517.
Beguin, Rene, to Mefina S. A. Device for converting electric signals into mechanical displacements. 2,981,115, 4–25–61, Cl. 74—25.
Beguin, René, to Mefina S.A. Apparatus for converting digital signals into analogical movements, with power amplification. 2,987,716, 6–6–61, Cl. 340—347.
Begun, Semi J., and A. P. Dank, to Clevite Corp. Tape drive mechanism. 2,990,092, 6–27–61, Cl. 226—176.
Begun, Semi J., and A. P. Dank, to Clevite Corp. Seismic prospecting apparatus. 3,012,223, 12–5–61, Cl. 340—15.
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Beher, John T., to The Bendix Corp. Liquid level gages. 2,978,691, 4–4–61, Cl. 349—244.
Behl, Alan, to Railoc Co., Inc. Zinc coating method and apparatus therefor. 2,998,647, 9–5–61, Cl. 29—527.
Behlen, George D., to The United States Electrical Tool Co. Grinding machine assemblies. 2,968,136, 1–17–61, Cl. 51—134.5.
Behlen, George D., and G. F. Embshoff, to The United States Electrical Tool Co. Grinding machine assemblies. 2,986,853, 6–6–61, Cl. 51—134.5.
Behles, Franz G. F., to Daimler-Benz Aktiengesellschaft. Pneumatic equalization spring system for vehicles. 2,973,968, 3–7–61, Cl. 280—104.
Behles, Franz G. F., to Daimler-Benz Aktiengesellschaft. Self-energizing brake system. 2,976,956, 3–28–61, Cl. 188—72.
Behn, Robert A., and H. L. Sandlin, to Socony Mobil Oil Co., Inc. Color stability of solvent treated oils and waxes derived therefrom. 2,984,621, 5–16–61, Cl. 208—370.
Behnè, Ernst A., and W. Ohlrogge, to Siemens-Reiniger-Werke Aktiengesellschaft. Dental instrument stand having a handpiece holder unit. 2,980,999, 4–25–61, Cl. 32—22.
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Behnke, George W., and R. G. Westcott, to Simplicity Engineering Co. Grizzly feeders. 2,974,795, 3–14–61, Cl. 209—247.
Behnke, George W., and H. A. Wirth, to Simplicity Engineering Co. Bowl liners for crushers. 2,992,784, 7–18–61, Cl. 241—275.
Behnke, George W., R. G. Westcott, and E. A. Newberry, to Simplicity Engineering Co. Oiling system for oscillating assemblies. 2,996,148, 8–15–61, Cl. 184—11.
Behnke, Hans: *See*—
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Behnke, Wallace P., and A. J. Herrman, to E. I. du Pont de Nemours and Co. Process for the purification of sand. 2,984,546, 5–16–61, Cl. 23—182.
Behr, Samuel H. Apparatus for determining the condition of electrical insulation. 3,005,150, 10–17–61, Cl. 324—54.
Behrbaum, Stanley D. Distributor. 2,972,024, 2–14–61, Cl. 200—24.

Behrends, Jurgen, and O. Schweitzer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of eupolyoxymethylenes. 3,007,897, 11–7–61, Cl. 260—67.

Behrens, Curtis E., to Borg-Warner Corp. Combination washer-dryer. 3,006,176, 10–31–61, Cl. 68—12.

Behrens, Curtis E., and R. D. Shapter, to Borg-Warner Corp. Suspension system for an automatic washer. 2,978,892, 4–11–61, Cl. 68—24.

Behrens, Herbert C., to American Can Co. Flat bottom paper container. 2,969,901, 1–31–61, Cl. 229—1.5.

Behrens, Karl. Seesaw. 2,973,961, 3–7–61, Cl. 272—30.

Beiderwell, George E. Reel for dispensing tie wires. 2,982,491, 5–2–61, Cl. 242—96.

Beier, Kenneth. Punch for perforating nursing nipples. 3,004,343, 10–17–61, Cl. 30—363.

Beigay, Jack M., and D. R. Zaremski, to Titanium Metals Corp. of America. Titanium etching. 3,007,780, 11–7–61, Cl. 156—20.

Beiler, Aaron P., to Sperry Rand Corp. Conveyor. 3,001,635, 9–26–61, Cl. 198—188.

Beiler, Jay M., and G. J. Martin, to The National Drug Co. Wound healing composition. 3,003,917, 10–10–61, Cl. 167—73.

Beinfest, Sidney, P. Adams, and J. F. Marshik, to Berkeley Chemical Corp. Purification of p(N-acetyl amino) benzene sulfonyl chloride. 2,996,541, 8–15–61, Cl. 260—543.

Beinfest, Sidney, and J. Halpern, to Berkeley Chemical Corp. Preparation of lower alkyl carbamates. 3,013,064, 12–12–61, Cl. 260—482.

Beinfest, Sidney, and J. Halpern, to Berkeley Chemical Corp. Preparation of lower alkyl carbamates with interrupted effluent flow. 3,013,065, 12–12–61, Cl. 260—482.

Beinfest, Sidney, P. Adams, J. Halpern, and M. Weiss, to Berkeley Chemical Corp. Liquid mixtures of alkyl carbamates. 3,014,807, 12–26–61, Cl. 106—195.

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Beishline, Allen W.: *See*—
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Beizer, Mechel. Expandable finger ring. 2,971,354, 2–14–61, Cl. 63—15.5.

Bejeuhr, Walter, to E. Unger. Apparatus for reeling fabrics. 2,985,397, 5–23–61, Cl. 242—62.

Bekey, Ivan. Sound reproduction system. 3,009,991, 11–21–61, Cl. 179—1.

Bekins, Robert Q. Reusable transportation container. 2,998,129, 8–29–61, Cl. 206—46.

Beks, Petrus H. Pressing or ironing machine for textile articles. 2,972,200, 2–21–61, Cl. 38—5.

Belaieff, James F., to Frame S.A. Washing machine. 2,984,094, 5–16–61, Cl. 68—24.

Belan, Kenneth E., to Spincraft, Inc. Rotating light fixture. 2,984,738, 5–16–61, Cl. 240—49.

Belanger, Jean M. Garden hose guard. 2,974,933, 3–14–61, Cl. 254—190.

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Belanus, Robert M.: *See*—
Breaux, Darlton K., and Belanus. 2,970,652.

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Olson, Harry F., and Belar. 2,971,057.
Olson, Harry F., and Belar. 2,971,058.
Olson, Harry F., and Belar. 3,007,362.

Belcher, Basil J. S., to Silavent Ltd. Ventilated toilet bowl. 3,003,157, 10–10–61, Cl. 4—217.

Belcher, Bryan L., J. V. Blyth, D. E. J. Buckingham, A. L. Davies, R. H. D. Chamberlin, A. L. R. Fletcher, R. E. Morris, G. C. G. Mansfield, and G. F. Upton, to D. Napier & Son Ltd. Compound ram jet turbo-rocket engines. 2,982,093, 5–2–61, Cl. 60—35.6.

Belcher, Harold H., to Rodney Hunt Machine Co. Liquid and gas mixing machine. 2,969,879, 1–31–61, Cl. 210—70.

Belcher, Thomas L. Aid for lettering labels. 2,967,374, 1–10–61, Cl. 45—131.

Belcove, Allan S., and S. Santow. Biological testing device. 2,992,974, 7–18–61, Cl. 195—139.

Belden, Delbert R.: *See*—
Belden, Merland C. and D. R., and Bartole. 3,008,520.

Belden Mfg. Co.: *See*—
Hammer, Warren, and Sudds. 2,970,937.
Schelke, Robert K., and Priest. 2,993,189.
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Belden, Merland C. and D. R., and J. A. Bartole. Adjustable louvered ventilator. 3,008,520, 11–14–61, Cl. 160—223.

Belden, Sarah H., to The Standard Oil Co. Gasolines containing acid-treated borated oxazolines. 2,993,765, 7–25–61, Cl. 44—63.

Belden, William P.: *See*—
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Belfour, Albert J., to Parsons Corp. Apparatus for testing the peel strength of joints. 2,989,865, 6–27–61, Cl. 73—150.

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Belgarde, Leo, and A. R. Frederickson, to Fram Corp. Combined full-flow and part-flow oil filter. 2,995,253, 8–8–61, Cl. 210—323.

Belgarde, Leo, D. Fairchild, and M. Mahdesyan, to Fram Corp. Liquid filters. 3,002,870, 10–3–61, Cl. 156—70.

Belicka, Michael E., H. W. Brundage, and A. P. Cawl, to Electrolux Corp. Air deflector for vacuum cleaners. 2,998,615, 9–5–61, Cl. 15—327.

Belicka, Michael E., and A. P. Cawl, to Electrolux Corp. Cordwinders. 3,011,033, 11–28–61, Cl. 191—12.2.

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Belin, Marcel A. Life rafts. 2,972,758, 2–28–61. Cl. 9—11.

Bellveau, Maurice, and F. E. Grace, to International Business Machines Corp. Crystal diode encapsulation. 3,002,132, 9–26–61, Cl. 317—234.

Bellveau, Oscar, and W. G. Spurrell, to Ross Engineering of Canada, Ltd. Corner lifting section for hood, 2,975,873, 3–21–61, Cl. 189—1.

Belk, Earl H., to Kustom-Fit Mfg. Co. Automobile replacement carpet. 2,970,860, 2–7–61, Cl. 296—1.

Belke Mfg. Co.: *See*—
Belke, Ralph E. 2,988,497.
Belke, William E. 3,001,926.
Belke, William E., and Lang. 3,008,893.

Belke, Paul J.: *See*—
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Belke, Ralph E., to Belke Mfg. Co. Electroplating apparatus. 2,988,497, 6–13–61, Cl. 204—213.

Belke, William E., to Belke Mfg. Co. Electroplating racks. 3,001,926, 9–26–61, Cl. 204—297.

Belke, William E., and L. Lang, to Belke Mfg. Co. Electroplating barrel assemblies. 3,008,893, 11–14–61, Cl. 204—213.

Belknap, Donald J., and L. R. Crump, to United States of America, Army. Lateral-current control of cold-cathode discharge devices. 2,994,011, 7–25–61, Cl. 315—169.

Bell, Adam C.: *See*—
Alsop, William G., and Bell. 2,993,063.

Bell Aerospace Corp.: *See*—
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Moore, Wendell F., and Stehling. 3,008,672.
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Bell, Alan, to Foster Wheeler Corp. Pressure safety assembly for heat exchangers. 2,971,746, 2–14–61, Cl. 257—1.

Bell, Alan, M B Knowles, and C. E. Tholstrup, to Eastman Kodak Co. Stabilization of oxidizable materials with 4,4'-alkylenedioxybis(alkylated phenols). 2,967,774, 1–10–61, Cl. 99—163.

Bell, Alan, W. M. Gearhart, and J. W. Tamblyn, to Eastman Kodak Co. Stabilized poly-a-olefin compositions. 2,980,648, 4–18–61, Cl. 260—45.85.

Bell, Alan, J. G. Smith, and C. J. Kibler, to Eastman Kodak Co. Polyamides derived from cyclohexanebis (methylamine). 3,012,994, 12–12–61, Cl. 260—78.

Bell, Alfred J., and C. W. Besserer, to United States of America, Navy. Rocket-propelled missile. 3,000,597, 9–19–61, Cl. 244—14.

Bell, Charles C.: *See*—
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Bell, Charles C. Time integrating system. 3,003,687, 10–10–61, Cl. 235—61.

Bell, Charles R., and E. S. Wassel, to United States of America, Army. Combined firearm and cartridge structure providing for discharge of the cartridges while linked. 2,970,521, 2–7–61, Cl. 89—33.

Bell, Clifford W., to Esso Research and Engineering Co. Ash reduction of petroleum fractions. 2,998,383, 8–29–61, Cl. 208—251.

Bell, Dale V. Gingival pack. 2,991,224, 7–4–61, Cl. 167—60.

Bell, Donald G., to Fairchild Camera and Instrument Corp. Electrical potentiometer and method of making same. 2,978,662, 4–4–61, Cl. 338—143.

Bell, Edward N. Article of furniture. 3,004,792, 10–17–61, Cl. 297—118.

Bell Electric Co.: *See*—
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Bell, Francine M. Telephone accessory. 3,012,108, 12–5–61, Cl. 179—187.

Bell, George W., to Northwestern Steel & Wire Co. Apparatus for coating metal articles. 2,975,506, 3–21–61, Cl. 29—81.

Bell & Gossett Co.: *See*—
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Gardner, Donald B., and Hofmeister. 2,984,460.
Main, Leo E., Piper, and Smith. 2,979,947.
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Sanborn, William L. 2,976,920.

Bell, Harold S., Jr., to Thiokol Chemical Corp. Rocket chamber with multi-pass axial flow coolant passageways. 2,977,754, 4–4–61, Cl. 60—35.6.

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Baumbach, Harlan L., Little, and Wargo. 2,990,762.
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La Rue, Mervin W., Jr., and Wightman. 2,996,965.
Linke, Walter R., and Sandback. 3,006,248.
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Bell Intercontinental Corp.: *See*—
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Brandt, William E. 2,997,814.
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Romine, Roy T. 2,983,084.

Bell, James F., to Marvalaud Inc. Dialysis apparatus. 2,982,416, 5–2–61, Cl. 210—321.

Bell, James R. Safety recording device. 2,976,371, 3–21–61, Cl. 179—100.1.

Bell, Jerome, L. L. Fites, and A. A. Kelley, to The Upjohn Co. Panel mounting apparatus. 2,993,290, 7–25–61, Cl. 40—152.

Bell, John: *See*—
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Bell, Keith L., ½ to E. H. Purdy. Thermostat-powered propulsion unit for toy vehicles. 2,984,974, 5–23–61, Cl. 60—35.56.

Bell, Kenneth, to National Dairy Products Corp. Manufacture of confection. 3,009,427, 11–21–61, Cl. 107—54.

Bell, Lawrence J. Bottle lift for bottle washing machines. 3,001,632, 9–26–61, Cl. 198—33.

Bell, Lewis W.: *See*—
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Bell, Lewis W., to Star Precision Devices, Inc. Small diameter stud adapter. 2,973,520, 3–7–61, Cl. 1—47.

Bell, Louie A., Jr. Automatic dispensing nozzle. 3,003,526, 10–10–61, Cl. 141—208.

Bell, Norman, to Kaiser Aluminum & Chemical Corp. Activated bauxite and catalyst containing same. 3,011,980, 12–5–61, Cl. 252—464.

Bell, Orville H.: *See*—
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Bell, Persa R., A. Simon, and R. J. Mackin, Jr., to United States of America, Atomic Energy Commission. Method of producing energetic plasma for neutron production. 2,969,308, 1–24–61, Cl. 204—154.2.

Bell, Persa R., R. J. Mackin, Jr., and A. Simon, to United States of America, Atomic Energy Commission. Method of initiating and sustaining an energetic plasma for neutron production. 2,997,431, 8–22–61, Cl. 204—154.2.

Bell Punch Co. Ltd.: *See*—
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Bell, Ramsay M.: *See*—
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,388,857.
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,858.
Bass, Miles M., Bell, Hammond, and Robischung. 2,971,296.
Bass, Miles M., Bell, Hammond, and Robischung. 3,012,380.

Bell, Richard W., E. Csendes, and H. F. McShane, Jr., to E. I. du Pont de Nemours and Co. Stabilized uncured copolymers of butadiene and styrene. 2,999,840, 9–12–61, Cl. 260—45.85.

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Henley, Ernest J., and Bell. 2,983,717.

Bell, Robert E.: *See*—
Williams, Roger B., Jr., and Bell. 2,974,863.

Bell, Robert F., Jr., and M. L. Bond. Auxiliary track device for automobile lifts. 3,007,546, 11–7–61, Cl. 187—8.67.

Bell, Robert O. Fishing rod holder. 2,995,855, 8–15–61, Cl. 43—21.2.

Bell, Saul A., to Chesebrough-Pond's, Inc. Two phase deodorant-antiperspirant stick. 2,970,083, 1–31–61, Cl. 167—90.

Bell Telephone Co. of Canada, The: *See*—
Drysdale, James L. 3,006,589.

Bell Telephone Laboratories, Inc.: *See*—
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Abbott, George F., Jr. 2,990,248.
Abbott, George F., Jr., and Sumner. 2,987,628.
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Anderson, John R. 2,972,734.
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Anderson, Orson L., and Christensen. 3,006,067.
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Andrews, Frederick T., Jr. 3,013,252.
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Andrews, Howard W., and Harkless. 3,007,123.
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Baird, Jack A. 3,002,109.
Baker, Stanley W., and Schwab. 2,981,452.
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Bryant, Herbert W., Jordan, and Porter. 2,972,021.
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Budenbom, Horace T. 3,010,082.
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Bell, William R., Jr. Foil folder. 2,971,312, 2–14–61, Cl. 53—390.

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Bellamy, Elizabeth A., K. J. Hayes, and J. G. Michels, to The Norwich Pharmacal Co. New series of N-(5-nitro-2-furfurylidene)-amino-heterocycles. 3,001,992, 9–26–61, Cl. 260—240.

Bellamy, John B., Jr. Carton sealer rollers. 3,000,163, 9–19–61, Cl. 53—387.

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Bellamy, John I., to International Telephone and Telegraph Corp. Telephone paystation circuit with coin-accept control. 2,974,199, 3–7–61, Cl. 179—6.3.

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Kindseth, Harold V., Johnson, and Ludlow. 3,001,582.
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Ottinger, August F. 2,994,631.
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Peistrup, Henry F. 2,975,090.
Quinn, James L. 2,980,313.
Stageberg, Wilfred E. 2,979,113.
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Bemis, Edwin G., to California Research Corp. Well wash fluid. 2,978,026, 4–4–61, Cl. 166—44.

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Bemiss, Robert P., J. G. Herring, and R. C. Stenger, to Binns Machine Works, Inc. Folding box having diagonally overlapping closing panels. 2,987,237, 6–6–61, Cl. 229—40.

Bemmann, Rudolf, W. Langenbeck, H. Dreyer, and D. Nehring, to VEB Leuna-Werke "Walter Ulbricht". Mixed crystals and process for their preparation. 3,014,880, 12–26–61, Cl. 252—443.

Bemmels, Cyrus W., and D. D. Gagliardi, to Johnson & Johnson. Pressure sensitive adhesive composition containing long chain phenol aldehyde curing resin and tape made therefrom. 2,987,420, 6–6–61, Cl. 117—122.

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Benade, Walter, G. Dittmar, and W. Scholl, to Farbenfabriken Bayer Aktiengesellschaft. Chromium-containing monoazo dyestuffs. 2,978,445, 4–4–61, Cl. 260—147.

Benak, Frank C., to Lighting Specialties, Inc. Color changing illuminated fountain. 3,008,646, 11–14–61, Cl. 239—20.

Benander, George B., to General Electric Co. Interchangeable wiring devices. 2,969,418, 1–24–61, Cl. 174—53.

Benander, George B., and G. R. Lawson, to General Electric Co. Detent mechanism for alternating current switch. 2,969,442, 1–24–61, Cl. 200—67.

Benander, George B., and W. C. Schumacher, to General Electric Co. Push button A.C. switch. 2,991,344, 7–4–61, Cl. 200—156.

Benard, Christian L. G., to Anciens Etablissements Barbier-Benard & Turenne. Lightning device embedded in the ground, in particular for airfields. 2,990,469, 6–27–61, Cl. 240—1.2.

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Bencze, William L., to Ciba Pharmaceutical Products, Inc. Certain pyridyl (aminoalkylene oxy)-phenyl ketones. 3,007,935, 11–7–61, Cl. 260—296.

Bendall, Wilfrid H. Rotary compressors. 2,970,748, 2–7–61, Cl. 230—168.

Bendar, Arthur Z., to Star Recorder Corp. Depth and operation recorder for earth bore drilling rigs. 2,974,523, 3–14–61, Cl. 73—151.5.

Bendell, Sidney L., to Radio Corp. of America. Television camera system. 2,971,116, 2–7–61, Cl. 315—10.

Bender, Arthur V., and R. W. Bogseth, to National Lead Co. Paint colorant dispenser. 2,988,248, 6–13–61, Cl. 222—235.

Bender, Bob G., and W. B. Warren, to Hughes Aircraft Co. Semiconductor device and method of making the same. 2,982,892, 5–2–61, Cl. 317—234.

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Bender, Edward J., and H. H. Richardson, to The Patent and Licensing Corp. Device for accurately placing lanes of granular on moving web. 2,977,924, 4–4–61, Cl. 118—8.

Bender, Emil A. Derrick structure. 2,968,373, 1–17–61, Cl. 189—15.

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Bender, Emil A. Portable trailer-mounted derrick. 2,993,570, 7–25–61, Cl. 189—11.

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Bender, Lloyd F. Milk line cleansing system. 2,987,065, 6–6–61, Cl. 134—56.

Bender, Ludwig, to Knapsack-Griesbein Aktiengesellschaft. Gastight shutoff device for the passage of dust-containing substances. 2,971,534, 2–14–61, Cl. 137—613.

Bender, Paul P., to Progressive Metals Products. Cabinet with self-closing doors. 3,011,223, 12–5–61, Cl. 20—19.

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Beatty, Eugene F. 2,978,080.
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Beck, Robert M., Fairchild, Magnuson, and Palevsky. 3,007,641.
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Brown, Gilbert G. 2,967,381.
Bulat, Thomas J. 3,007,814.
Bunger, Dennen J. 3,003,313.
Burnett, Richard T. 2,968,367.
Burnett, Richard T. 2,978,072.
Burnett, Richard T. 2,994,410.
Burnett, Richard T. 3,007,548.
Burt, Farlow B. 3,007,419.
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Card, Theodore B. 2,969,109.
Carolan, Raymond J. 2,985,357.
Chambers, Warren D. 2,977,669.
Champion, Carl E. 2,978,693.
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Clevenger, Glenn W. 2,971,161.
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Collins, Cameron C., and Kishbaugh. 2,967,326.
Colt, Rutger B., and Cerny. 3,005,215.
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Cripe, Maxwell L. 2,993,478.
Cripe, Maxwell L. 3,013,536.
Criswell, Daryl L. 2,972,107.
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Damoth, Donald C., Goodrich, and Wiley. 2,983,845.
Davenport, Arthur B. 2,968,748.
Davis, William E., Jr., and Crothers. 3,009,422.
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Digby, James J. 2,984,115.
Du Bois, William H. 2,986,252.
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Dunlap, William C., Jr. 2,979,668.
Eastman, James M. 2,979,952.
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Feijoo, James A., and Young, Jr. 2,971,086.
Ferguson, John H., Jr. 2,987,296.
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Fisher, Walter W. 2,969,534.
Frederick, George E. 2,994,442.
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Frick, Raymond C., and Rogers. 3,011,483.
Friend, Lindsay C. 2,975,249.
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Garday, Louis J. 2,974,881.
Giel, George J. 2,994,857.
Gleasman, Hollis K. 2,985,269.
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Gregoire, Stephen E., and Blackington. 2,969,420.
Gregoire, Stephen E., Davies, and Schroeder. 2,982,937.
Gunkel, William F. 2,970,246.
Haase, Elmer A. 3,002,348.
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Haase, Wallace H. 2,970,262.
Hagar, Norman B. 2,984,911.
Hagen, Glenn E., Williams, Beck, and Russell. 3,007,639.
Hankins, Dale L. 2,984,994.
Harris, Robert C. 2,975,145.
Haugen, Glenn L., and Wofford. 2,975,300.
Hawkins, Ronald E., and Pendl. 3,011,232.
Heggen, Henry R. 3,005,941.
Hennessey, Walter F., Jr., and Swanson. 2,984,811.
Herrmann, Fred. 2,986,433.
Ho, Yu-Chi, and Johnson. 3,011,110.
Hocker, Keith B. 2,993,712.
Hood, Edwin E. 2,972,257.
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Hoof, Robert G. 2,977,812.
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Hudgins, John I. 2,987,645.
Hupp, Edward E. 2,997,850.
Hurtle, James E., Eastman, and Kitchen. 2,979,889.
Janssen, Herbert K. 2,988,709.
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Johnson, Ewell C., and Ho. 3,002,115.
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Joslyn, Carl R. 3,013,239.
Karp, Harry R. 2,979,596.
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Knudson, Giltner J. 2,987,293.
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Kucmerosky, Theodore L. 2,973,920.
Kytta, Oswald O. 3,014,745.
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Lee, Robert M. 3,007,642.
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Lowrance, John L. 2,971,332.
Lowrance, John L. 2,972,090.
MacDuff, Stanley I. 2,998,025.
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Maitland, Robert T. 2,979,554.
Masel, Marvin, and Moreines. 3,008,078.
McWilliams, Charles W., and Noxon. 2,987,274.
Mendenhall, Charles A., and Strozinski. 2,987,059.
Merel, Wolfgang. 2,975,408.
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Mock, Frank C. 2,977,757.
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Molnar, Robert J. 2,977,546.
Moretz, Bynum. 2,981,983.
Morris, Vernon B., Jr., Ogden, and Sobel. 2,978,102.
Morsewich, Alex. 3,009,360.
Moyer, Edward L. 2,998,282.
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Noxon, Paul A., MacCallum, and Bennett. 2,969,505.
Noxon, Paul A., Taylor, and Jarvis. 3,002,713.
Nordgren, Arnold W. 2,993,578.
Palevsky, Max. 2,994,477.
Parker, Lelaud C. 2,994,792.
Pavlick, George R. 2,972,858.
Pendorf, Harold. 2,981,982.
Perkey, Russell C. 2,980,173.
Perle, Abe J. 2,989,067.
Peters, Norman K., and Reynick. 2,971,326.
Phelan, George A. 2,972,098.
Platt, Walter A. 2,974,908.
Polye, William R. 2,993,169.
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Potter, Frederick M. 2,992,380.
Prapis, Frank. 2,987,653.
Prather, Edwin E. 2,973,844.
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Pribble, Noble F. 2,967,953.
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Reuter, Paul L. 2,969,910.
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Rogers, Francis R. 2,980,174.
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Root, Charles W. 3,013,129.
Rosback, Richard H. 2,980,455.
Rosenberg, Andrew M., Conway, and Schullen. 2,977,559.
Ruck, Herbert C. 2,999,173.
Rudisch, Walter E. 2,973,851.
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Russ, Daniel G., and Eastman. 2,989,850.
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Schultz, Harold B. 2,968,316.
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Segall, Louis H. 2,978,611.
Segall, Louis H. 3,014,151.
Seifried, Paul E., and Meyer. 2,979,707.
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Spencer, Glenn S. 2,979,961.
Spencer, Glenn S. 2,999,705.
Statzell, Robert W. 2,985,306.
Steinhauser, Hayes B. 2,967,263.
Stout, George C. 3,011,777.
Stratman, Urban F. 2,967,536.
Sundberg, Alfred A. 2,978,901.
Sutton, Robert W., Woodward, and Hartman. 2,980,090.
Svec, Victor. 2,989,642.
Volk, Emil A., Jr. 2,984,976.
Volk, Emil A., Jr. 2,986,879.
Volk, Emil A., Jr. 2,994,194.
Volk, Emil A., Jr., and Troeger. 2,972,911.
Wall, Norman. 2,985,012.
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Waldow, Sheldon M. 2,989,270.
Werts, Wayne E. 2,980,065.
Werts, Wayne E. 2,986,126.
Werts, Wayne E. 3,007,514.
Wesstrom, Alfred, and Falk. 2,972,935.
Widell, George M. 2,979,891.
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Williams, Howard J. 2,971,575.
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Gates, Charles E. 2,985,490.
Gresko, Raymond S. 2,989,978.
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Morse, Robert J. 3,002,520.
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Ternent, George E. 2,997,227.
Valentine, Harry M. 2,967,064.
Valentine, Harry M. 2,979,069.
Valentine, Harry M. 2,989,971.
Valentine, Harry M. 2,989,983.
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Bendler, Harry M., C. E. Biell, T. W. Hertzog, M. A. La Boda, and M. Ben, to General Motors Corp. Treatment of metal surfaces. 2,968,555, 1–17–61, Cl. 96—38.

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Bene, Charles, ½ to A. P. De Biro & Co. Ltd. Colouring of wool, silk and other protein-base fibrous materials. 2,987,368, 6–6–61, Cl. 8—43.

Benedek, Andrew A.: *See*—
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Benedict, Glen E., and W. L. Lyon, to United States of America, Atomic Energy Commission. Separation of uranium and plutonium oxides. 3,011,865, 12–5–61, Cl. 23—14.5.

Benedict, Ullman H., to James Lees and Sons Co. Automatic adhesive applicator for large wrapping paper rolls. 2,979,023, 4–11–61, Cl. 118—43.

Benedict, Vera B. Particulate material container and dispenser attachment for a rolling pin. 3,010,413, 11–28–61, Cl. 107—50.

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Benedict, Walter E., W. C. Weigle, and J. F. Dobry, to Congoleum-Nairn Inc. Surface covering product and process therefor. 2,986,197, 5–30–61, Cl. 154—25.

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Benekam, William. Floating mushroom root trimming machine. 2,978,003, 4–4–61, Cl. 146—81.

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Benesch, Alfred. Shoes for paralytic patients. 2,977,692, 4–4–61, Cl. 36—8.5.

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Benger Laboratories Ltd.: *See*—
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Beninger, Robert L., and P. W. Jacobsen, to H. G. Weber and Co., Inc. Bearing assembly. 2,997,346, 8–22–61, Cl. 308—6.

Benink, Christiaan J. M., and H. Wenz, to G. M. Pfaff, A.G. Adjustable guiding cam mechanism. 2,999,471, 9–12–61, Cl. 112—158.

Benisek, Edward J., to Automatic Electric Laboratories, Inc. Dust cover for automatic telephone switch mechanism. 2,978,137, 4–4–61, Cl. 220—18.

Benjamin, Allie C., to Salada-Shirriff-Horsey, Inc. Cereal and method of making same. 2,991,181, 7–4–61, Cl. 99—83.

Benjamin, David, to Benjamin Reel Products, Inc. Reel for lawnmower cord. 2,977,427, 3–28–61, Cl. 191—12.2.

Benjamin, Fred, and A. D. Schoenfeld, to American Electronics, Inc. Regulated alternator. 3,003,101, 10–3–61, Cl. 322—97.

Benjamin, Joel M., Jr.: *See*—
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Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Chuck for gears and the like. 3,006,653, 10–31–61, Cl. 279—4.

Benjamin Reel Products, Inc.: *See*—
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Benjetsky, Louis. Sinkable toy boats. 2,987,849, 6–13–61, Cl. 46—94.

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Benkelman, Glen F. Educational toy frame. 3,004,364, 10–17–61, Cl. 46—25.

Benkovich, John A.: *See*—
Rohde, Robert L., and Benkovich. 2,979,815.

Benkovich, John A., J. L. Whittington, and R. E. Price, to Gardner Machine Co. Work indexing means for disc grinders. 2,990,659, 7–4–61, Cl. 51—118.

Benkovsky, Francis V., R. W. Siltamaki, and W. G. Morris, to Aero Mfg. Co. Control cable tensioning device. 2,992,568, 7–18–61, Cl. 74—501.5.

Benkowski, Joseph R., to Wendell Mfg. Co. Color applying tool. 2,982,252, 5–2–61, Cl. 120—42.6.

Benmore, Stanley H.: *See*—
Marsee, Frederick J., and Benmore. 2,998,231.

Benmussa, Henri, and A. Mingaud, to International Standard Electric Corp. Identifying system. 2,999,132, 9–5–61, Cl. 179—18.

Benn, Walter R., to G. D. Searle & Co. 3-oxygenated 16α-alkynipregnen-20-ones. 3,009,926, 11–21–61, Cl. 260—397.3.

Benner-Nawman, Inc.: *See*—
Dreyer, John A. 2,989,195.
Nawman, Rollie B. 2,984,933.
Nawman, Rollie B., and R. L. 2,978,831.

Bennetch, Leonard M., to C. K. Williams & Co. Red oxide of iron. 3,009,821, 11–21–61, Cl. 106—304.

Bennett, Albert D., Jr. Beam compass. 3,002,280, 10–3–61, Cl. 33—27.

Bennett, Albert W., to Courtaulds Ltd. Production of artificial threads. 2,975,024, 3–14–61, Cl. 18—54.

Bennett, Alfred: *See*—
Noxon, Paul A., MacCallum, and Bennett. 2,969,505.

Bennett, Andrew E., to Worthington Corp. Method and apparatus for controlling wood pulp digesters. 2,993,827, 7–25–61, Cl. 162—61.

Bennett, Arthur F., to United States of America, Navy. Torpedo control system. 3,005,434, 10–24–61, Cl. 114—20.

Bennett, Arthur J., to Pye Ltd. Phase comparison circuits. 2,989,698, 6–20–61, Cl. 324—83.

Bennett, Arthur J., and L. T. Thurlby, ½ to Graviner Mfg. Co. Ltd., and ½ to Wilkinson Sword Ltd. Electrical circuits for use with temperature responsive devices. 2,974,314, 3–7–61, Cl. 340—227.

Bennett, Averill M. Mechanical walking animal. 2,992,831, 7–18–61, Cl. 280—1.177.

Bennett, Clarence, to Vickers Inc. Power transmissions controlled by saturable reactors. 2,991,409, 7–4–61, Cl. 323—89.

Bennett, Clarence, and L. W. Buechler, to Vickers, Inc. Power transmission. 2,994,027, 7–25–61, Cl. 321—18.

Bennett, Clarence, and L. W. Buechler, to Vickers, Inc. Power transmission. 3,004,210, 10–10–61, Cl. 323—89.

Bennett, Clarence W.: *See*—
Sellars, Elmer V., and Bennett. 2,974,809.

Bennett, Clifford B., to Southern Saw Service, Inc. Wrapping machines. Re. 24,993, 5–30–61, Cl. 53—13.

Bennett, David F. Boat trailer. 3,003,655, 10–10–61, Cl. 214—506.

Bennett, Edmund C.: *See*—
Newell, William H., McKenny, and Bennett. 3,006,551.

Bennett, Edward A.: *See*—
Potter, Louis E., and Bennett. 3,007,093.

Bennett, Edward J., and H. M. Parmelee, to E. I. du Pont de Nemours and Co. Azeotropic composition. 2,999,816, 9–12–61, Cl. 252—171.

Bennett, Edward O., to Commercial Solvents Corp. Stabilized liquid petroleum lubricant. 2,967,829, 1–10–61, Cl. 252—51.5.

Bennett, Edward O., to Commercial Solvents Corp. Petroleum lubricants stabilized with nitroesters. 2,976,244, 3–21–61, Cl. 252—51.5.

Bennett, Edward O., to Commercial Solvents Corp. Stabilization of petroleum lubricants. 2,987,479, 6–6–61, Cl. 252—51.5.

Bennett, Edward O., to Texaco Inc. Bacteria inhibited soluble oils and soluble oil emulsions. 3,013,973, 12–19–61, Cl. 252—33.3.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria in water flooding operations. 2,976,236, 3–21–61, Cl. 252—8.55.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria. 2,979,455, 4–11–61, Cl. 252—8.55.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria. 2,979,456, 4–11–61, Cl. 252—8.55.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria in water flooding operations. 3,001,934, 9–26–61, Cl. 252—8.55.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria in water flooding operations. 3,001,935, 9–26–61, Cl. 252—8.55.

Bennett, Edward O., and E. B. Hodge, to Commercial Solvents Corp. Process for the control of bacteria in water flooding operations. 3,001,936, 9–26–61, Cl. 252—8.55.

Bennett, Eugene W.: *See*—
Emery, Durward L., and Bennett. 2,976,230.

Bennett, Harold L., B. K. Bohm, and W. H. Pearson, to Boeing Airplane Co. Clam shell thrust reversers with noise suppressors. 2,976,681, 3–28–61, Cl. 60—35.54.

Bennett, Harvey S., to The Bloomfield Chemical Co., Inc. Procedures and compositions for producing decorative effects. 2,981,632, 4–25–61, Cl. 117—39.

Bennett, Herbert L., to American Can Co. Deep skirt container lid. 2,984,381, 5–16–61, Cl. 220—60.

Bennett, Howard J. Sliding multiple door assembly and interior cabinet. 3,000,437, 9–19–61, Cl. 160—33.

Bennett, Howard M. Tractor blade operating arrangement. 2,996,817, 8–22–61, Cl. 37—144.

Bennett, James C., to Mission-West Mfg. Co. Torque-equalizing operating mechanism for awning type windows. 2,981,538, 4–25–61, Cl. 268—23.

Bennett, John A.: *See*—
Minor, Irene C., and Bennett. 2,984,101.

Bennett, John W.: *See*—
Dobberstein, Ervin C., Bennett, Preston, and Sandor. 2,971,693.

Bennett, Lena A. Water filter. 2,995,254, 8–8–61, Cl. 210—337.

Bennett, Leslie H.: *See*—
Decker, William H., Rieck, and Bennett. 2,993,392.
Morton, Lawrence L., Decker, and Bennett. 2,999,285.

Bennett, Lucius L. Motor vehicle throttle lock. 2,973,050, 2–28–61, Cl. 180—82.

Bennett, Marvin D.: *See*—
Bennett, Richard D. and M. D. 2,997,029.

Bennett, Maxwell G.: *See*—
Podmore, William D., and Bennett. 2,982,791.

Bennett, Michael, to The United Kingdom Atomic Energy Authority. Apparatus for the exchange of heat between fluids. 2,980,081, 4–18–61, Cl. 122—7.

Bennett, Michael W., to Boostair Corp. Air distribution systems and apparatus. 2,972,941, 2–28–61, Cl. 98—101.

Bennett, Paul L.: *See*—
Landee, Robert W., Deen, Fling, Shaw, Davis, Johnston, and Bennett. 2,975,413.

Bennett, Raymur B., J. L. Hall, and R. M. Preis, to Curtiss-Wright Corp. Power transmitting device with spring clutch means. 3,008,558, 11–14–61, Cl. 192—12.

Bennett, Richard A., to Milton Roy Co. Variable stroke adjustment mechanism. 2,972,894, 2–28–61, Cl. 74—40.

Bennett, Richard A., to Milton Roy Co. Pump with fluid transmission. 2,975,599, 3–21–61, Cl. 60—54.6.

Bennett, Richard C. Apparatus for sawing wide boards. 2,973,020, 2–28–61, Cl. 143—47.

Bennett, Richard D. and M. D., to Thomsen Supply, Inc. Fluid powered actuator. 2,997,029, 8–22–61, Cl. 121—48.

Bennett, Roswell J.: *See*—
Darland, William G., Jr., Bennett, Bell, Ulrich, and Fox. 2,985,702.

Bennett, Samuel L. Shield for drive shaft. 2,984,090, 5–16–61, Cl. 64—4.

Bennett, Willard H. Method of producing large circular currents. 2,970,273, 1–31–61, Cl. 328—237.

Bennett, William E., to Telecomputing Corp. Rate gyroscope. 2,982,139, 5–2–61, Cl. 74—5.5.

Bennett, William E., to Telecomputing Corp. Gyroscope assembly. 2,982,140, 5–2–61, Cl. 74—5.12.

Bennett, William N. Remote control for motor boats. 2,985,031, 5–23–61, Cl. 74—512.

Benning, Anton: *See*—
Grosskinsky, Otto, Benning, and Glass. 3,006,953.

Benning, Calvin J., to Minnesota Mining and Mfg. Co. Sulfur-containing derivatives of perhalooleflns. 2,968,659, 1–17–61, Cl. 260—327.

Benninghoff, William L. Automatic taper thread forming and chamfer cutting machine. 2,996,736, 8–22–61, Cl. 10—87.

Bennion, David R.: *See*—
Crane, Hewitt D., Bennion, and Heinzmann. 3,004,245.

Bennion, David R., to Burroughs Corp. Bidirectional shift register. 2,969,524, 1–24–61, Cl. 340—174.

Bennion, David R., D. C. Engelbart, and E. K. Van De Riet, to Stanford Research Institute. Flux-doubling in magnetic cores. 3,009,136, 11–14–61, Cl. 340—174.

Bennis, Leslie J.: *See*—
Westall, Thomas E., and Bennis. 2,978,203.

Benoit, Conrad H.: *See*—
Morser, Calvin S., Maloney, and Benoit. 2,998,999.
Morser, Calvin S., Maloney, and Benoit. 3,005,666.

Benoit, George J., Jr., to California Research Corp. Saturated hydrocarbon-vinyl ether reaction products. 2,998,456, 8–29–61, Cl. 260—614.

Benoit, Joseph A. Safety pins. 2,971,235, 2–14–61, Cl. 24—161.

Benoliel, Osmond D., and J. Tobias. Flickering electric candle. 2,976,450, 3–21–61, Cl. 313—151.

Bensch, Emil, to Industriewerk Schaeffler o.H.G. Needle bearings. 3,006,703, 10–31–61, Cl. 308—212.

Bensema, Eugene E., and A. Freeman, to United States Steel Corp. Timing device. 2,996,630, 8–15–61, Cl. 307—141.8.

Bensen, George H.: *See*—
De Flora, Caesar A., and Bensen. 2,983,352.

Bensinger, Wolf-Dieter, and H.-O. Derndinger, to Daimler-Benz Aktiengesellschaft. Valve control mechanism for internal combustion engines. 3,002,507, 10–3–61, Cl. 123—90.

Benson, Albin N.: *See*—
Heaney, Joseph W., and Benson. 3,009,103.

Benson, Alfred D., H. Schlottmann, and R. Hector, to Control Design and Fabricate Inc. Demand actuated conveyor system. Re. 25,098, 12–19–61, Cl. 198—78.

Benson, Arthur E., and J. M. Lane, to United States Rubber Co. Slotted tire tread. 3,012,599, 12–12–61, Cl. 152—209.

Benson, Bernard S., to Benson-Lehner Corp. Graph transformation apparatus. 2,999,315, 9–12–61, Cl. 33—1.

Benson, Clark K.: *See*—
Biesch, Charles A., and Benson. 3,001,298.

Benson, Clark K., and A. A. Caridis, to Heat and Control Inc. Heating unit and method. 3,001,780, 9–26–61, Cl. 263—42.

Benson, Donald O.: *See*—
Horner, Herbert F., Kroll, and Benson. 2,973,614.

Benson, Donald O., to Toro Mfg. Corp. Power mower with full floating cutting unit. 2,972,218, 2–21–61, Cl. 56—26.

Benson, Elmer, Jr.: *See*—
Smith, Rudolph C., and Benson. 2,967,720.

Benson, Harold R., to NuArc Co., Inc. Film dot analyzer. 2,999,419, 9–12–61, Cl. 88—14.

Benson, Jack J.: *See*—
Williams, Sam B., and Benson. 2,969,644.
Williams, Sam B., and Benson. 3,011,311.

Benson, James M., to Mollenberg-Betz Machine Co. Fluid operated chuck. 2,980,432, 4–18–61, Cl. 279—4.

Benson, John A.: *See*—
Pierce, Lowell J., Benson, and Jaramillo. 2,973,624.

Benson-Lehner Corp.: *See*—
Benson, Bernard S. 2,999,315.

Benson Mfg. Co., The: *See*—
Dean, George A. 2,990,886.

Benson, Norman E., to The Acme Wire Co. Dip soldered printed circuit sockets. 2,977,562, 3–28–61, Cl. 339—17.

Benson, Norman E., to The Acme Wire Co. Control apparatus including condition sensing means. 3,007,080, 10–31–61, Cl. 315—159.

Benson, Robert B., to Allis-Chalmers Mfg. Co. Electrical apparatus life indicator. 2,972,253, 2–21–61, Cl. 73—350.

Benson, Robert M.: *See*—
Slater, John M., Perkins, Crowley, Hallman, Benson, and Santogrossi. 2,995,937.

Benson, Robert M. Digital mass flow meter. 3,005,341, 10–24–61, Cl. 73—194.

Benson, Walter L., and N. C. Dahl, to Conch International Methane Ltd. Expansible-wall container for low-temperature fluids. 2,971,667, 2–14–61, Cl. 220—10.

Benson, William L., and R. J. Lapierre, to Merck & Co., Inc. Anti-caking powdered preparation and method of preparing the same. 2,970,056, 1–31–61, Cl. 99—143.

Benston, Orlando J.: *See*—
Henderson, Raymond A., and Benston. 2,970,692.

Bent, John H., and R. H. Olsson, to Gardner-Denver Co. Beam mounted tractor. 2,974,609, 3–14–61, Cl. 105—153.

Bent, William H.: *See*—
Mortimer, Frank R., and Bent. 2,992,046.

Bentele, Max, to Curtiss-Wright Corp. Seal vent arrangement for rotating combustion engines. 2,979,042, 4–11–61, Cl. 123—8.

Bentele, Max, H. D. Dehne, and C. W. Folley, to Curtiss-Wright Corp. Direct drive torquemeter. 2,974,522, 3–14–61, Cl. 73—136.

Bentele, Max, C. Jones, and F. P. Sollinger, to Curtiss-Wright Corp. Cooling arrangement for rotary mechanisms. 3,007,460, 11–7–61, Cl. 123—8.

Benteler Corp.: *See*—
Bahmann, Hans-Joachim. 2,970,950.

Benteler, Helmut, to Benteler-Werke Aktiengesellschaft Werk Neuhaus. Internally and externally copper-coated steel tubes and their manufacture. 2,978,799, 4–11–61, Cl. 29—183.5.

Benteler-Werke Aktiengesellschaft: *See*—
Korsch, Alfred, and Schlicht. 2,973,157.

Benteler-Werke Aktiengesellschaft Werk Neuhaus: *See*—
Benteler, Helmut. 2,978,799.

Bentham, Frank H. Rasping appliances and cutters. 2,975,504, 3–21–61, Cl. 29—78.

Bentham, Frederick P., and L. W. Leggett, to The Strand Electric and Engineering Co. Ltd. Control of lighting for variable effect. 3,004,193, 10–10–61, Cl. 315—295.

Bentkowsky, Jerome: *See*—
Brand, Frederick B., Chadwick, and Bentkowsky. 3,003,450.

Bentley, Desmond M., to Anglo American Corp. of South Africa, Ltd. Lifting, lowering and hauling. 3,014,699, 12–26–61, Cl. 254—135.
Bentley Engineering Co. Ltd., The: *See*—
Kent, Alfred W., and Bentley. 3,003,342.
Wainwright, Carlyle H. 2,983,126.
Bentley, George P., and G. C. McNabb, to Instrument Development Laboratories, Inc. Digitalizers. 2,970,307, 1–31–61, Cl. 340—347.
Bentley, Norwood, and J. O. Townley. Mining cutter bit. 3,010,709, 11–28–61, Cl. 262—33.
Bentley, Percival A.: *See*—
Kent, Alfred W., and Bentley. 3,003,342.
Bentley, Raymond B. Fish feeding device. 2,966,885, 1–3–61, Cl. 119—51.
Bentley, Robert H., to The Arrow-Hart & Hegeman Electric Co. Switch mechanism for alternately energizing branch circuits. 2,967,222, 1–3–61, Cl. 200—156.
Bentley, Roy: *See*—
Nock, William, Prentice, and Bentley. 2,985,305.
Bentley, Roy, and M. N. Thruston, to Imperial Chemical Industries Ltd. Production of alkyl nitrates. 2,977,384, 3–28–61, Cl. 260—467.
Bentley, Roy, and K. A. Smith, to Imperial Chemical Industries Ltd. Transport of liquid explosive nitric esters. 3,009,477, 11–21–61, Cl. 137—565.
Bentley, Wallace. Toy scubas. 2,975,439, 3–21–61, Cl. 9—313.
Bentman, Henry. Microphone stand. 3,007,014, 10–31–61, Cl. 179—148.
Benton, Bruce M., to Boeing Airplane Co. Control circuits. 2,988,688, 6–13–61, Cl. 323—4.
Benton, Bruce M., to Boeing Airplane Co. Controllable impedances. 3,002,144, 9–26–61, Cl. 323—16.
Benton, Charles H., Jr., to Eastman Kodak Co. Complex of vitamin A aldehyde. 3,013,080, 12–12–61, Cl. 260—592.
Benton, Francis L., to Armour and Co. Nitration of carboxylic acids and their derivatives. 2,998,437, 8–29–61, Cl. 260—404.
Bentov, Itzhak, to W. R. Grace & Co. Method and apparatus for treating paper. 2,979,131, 4–11–61, Cl. 162—361.
Bentsen, Arthur R., to General Electric Co. Faceplate design with removable inserts. 2,980,283, 4–18–61, Cl. 220—24.2.
Bentz, Erwin J. H., to Caterpillar Tractor Co. Apparatus for purging air from engine cooling systems. 2,976,859, 3–28–61, Cl. 123—41.54.
Bentz, Lloyd O., and G. E. P. Smith, Jr., to The Firestone Tire & Rubber Co. Vulcanizable rubber composition and method of vulcanizing rubber. 2,996,483, 8–15–61, Cl. 260—79.5.
Benya, Robert J., and F. Cole, to Chrysler Corp. Method of making brake drums. 3,005,259, 10–24–61, Cl. 29—505.
Benyak, John B., to The Osborn Mfg. Co. Rotary brush. 2,979,749, 4–18–61, Cl. 15—179.
Benz, George R., to Phillips Petroleum Co. Apparatus and method for handling liquefied gas mixtures. 2,993,343, 7–25–61, Cl. 62—48.
Benz, George W.: *See*—
Pearson, Richard K., Benz, and Adams. 3,014,025.
Benz, William A.: *See*—
Wawrzonek, William J., and Benz. 3,010,556.
Benzel, Howard A., to Scott Aviation Corp. Demand regulator. 2,988,097, 6–13–61, Cl. 137—63.
Benzing, Walter G., E. C. Schaarschmidt, and R. E. Grammer, to Merck & Co., Inc. Pyrolysis apparatus. 3,014,791, 12–26–61, Cl. 23—273.
Benzinger, Robert P., to General Motors Corp. Venting systems for internal combustion engines. 2,974,652, 3–14–61, Cl. 123—41.86.
Beran, Robert J., J. S. Beruldsen, and D. L. Richter, to Kaiser Aluminum & Chemical Corp. Trailer construction. 2,993,728, 7–25–61, Cl. 296—28.
Beran, Rudolph F. Sheathed tool with detachable blade. 2,980,996, 4–25–61, Cl. 30—157.
Beranek, Rudolph B. Self-service auto wash. 3,011,501, 12–5–61, Cl. 134—102.
Beranger, Raymond, to North American Philips Co., Inc. Digit indicator. 2,970,761, 2–7–61, Cl. 235—92.
Berardinelli, Frank M.: *See*—
Hudgin, Donald E., and Berardinelli. 2,989,505.
Hudgin, Donald E., and Berardinelli. 2,989,506.
Hudgin, Donald E., and Berardinelli. 2,989,507.
Hudgin, Donald E., and Berardinelli. 2,989,508.
Hudgin, Donald E., and Berardinelli. 2,989,509.
Kray, Raymond J., and Berardinelli. 3,001,957.
Berbel, Daniel: *See*—
Phillips, Elmer S., and Berbel. 3,002,744.
Berberian, Edward. Surface-cleaning and rug-shampooing machines. 2,999,258, 9–12–61, Cl. 15—50.
Berberich, Otto W. Swimming duck toy. 2,978,832, 4–11–61, Cl. 46—107.
Berberich, Otto W. Treadle-actuated toy. 3,007,280, 11–7–61, Cl. 46—59.
Bercaw, William R., and R. L. Byington, to Western Tablet & Stationery Corp. Packaging apparatus. 2,994,168, 8–1–61, Cl. 53—61.
Bercaw, William R., and R. L. Byington, to Western Tablet & Stationery Corp. Packaging apparatus. 2,994,170, 8–1–61, Cl. 53—159.
Bercaw, Willis M. Self propelled aerial platform and hydraulic control system therefor. 2,970,667, 2–7–61, Cl. 182—2.
Berchtold, Max, to I-T-E Circuit Breaker Co. Wave engine. 2,970,745, 2–7–61, Cl. 230—69.
Berchtold, Max, to I-T-E Circuit Breaker Co. Adjustable stator plate for variable speed aerodynamic wave machine. 3,011,487, 12–5–61, Cl. 123—119.
Berchtold, Max, and S. H. Abrams, to I-T-E Circuit Breaker Co. Wide speed range pressure exchanger supercharger. 3,012,708, 12–12–61, Cl. 230—69.
Berdine, Blake W., and D. C. Gochnour, to Gochnour, Inc. Electronic distributor. 2,984,695, 5–16–61, Cl. 123—148.
Beremand, Donald G., to Thompson Ramo Wooldridge, Inc. Shut-off valve. 2,970,609, 2–7–61, Cl. 137—540.
Berens, Alan R., to The B. F. Goodrich Co. Novel polymeric monomers and polymers thereof. 3,004,958, 10–17–61, Cl. 260—86.3.
Berenschot, Donald J.: *See*—
Dybalski, Jack N., Berenschot, and Riegler. 3,014,810.
Berenson, Henry J., to National Paper Can & Tube Co. Continuous spool assembly machine. 2,967,465, 1–10–61, Cl. 93—1.
Beresik, Lawrence S., to Carrier Corp. Solution distribution arrangements for absorption refrigeration systems. 2,998,715, 9–5–61, Cl. 62—476.
Bereskin, Alexander B., to The Baldwin Piano Co. Power supplies. 3,001,120, 9–19–61, Cl. 321—8.
Beretvas, Helen S., and R. S. Barnes, Jr., to Standard Oil Co. Method of sulfochlorinating hydrocarbons. 3,007,911, 11–7–61, Cl. 260—139.
Berezin, Evelyn, to Curtiss-Wright Corp. Control means with record sensing for an electronic calculator. 2,973,141, 2–28–61, Cl. 235—61.9.
Bereznai, Oszkar, to "Licencia" Találmányokat Értékesitő Vállalat. Track inspection car. 2,978,904, 4–11–61, Cl. 73—146.
Berg Airlectro Products Co.: *See*—
Dobrikin, Harold L. 2,984,445.
Dobrikin, Harold L. 2,991,524.
Dobrikin, Harold L., and Mastis. 2,970,572.
Berg, Bengt, to AB Svenska Flaktfabriken. Regulating electric precipitators. 2,978,065, 4–4–61, Cl. 183—7.
Berg, Carl A.: *See*—
Johnston, Samuel A., and Berg. 3,007,023.
Berg, Carl J., and S. Smith, to Minnesota Mining and Mfg. Co. Poly-N-vinylbutanesultam. 3,002,957, 10–3–61, Cl. 260—79.3.
Berg, Daniel, to Westinghouse Electric Corp. Electrical apparatus embodying gaseous insulation. 2,989,577, 6–20–61, Cl. 174—15.
Berg, Donald P.: *See*—
Luhn, Hans P., Wilson, Stahl, Berg, and Dustman. 2,994,429.
Berg, Frank R. Vehicle automatic stop light. 3,004,240, 10–10–61, Cl. 340—74.
Berg, Hans: *See*—
Klemm, Ernst. 3,010,701.
Berg, Harold I. Load elevating linkage. 2,992,748, 7–18–61, Cl. 214—78.
Berg, Harry. Fish holding clamp. 2,974,357, 3–14–61, Cl. 17—8.
Berg, Lloyd J. Retainer clamps for electric plug and socket connectors. 3,005,176, 10–17–61, Cl. 339—75.
Berg, Martin, Jr. Rocket launcher. 2,988,961, 6–20–61, Cl. 89—1.7.
Berg, Morris: *See*—
Rhoads, James L., and Berg. 3,006,069.
Berg, Quentin. Electrical disconnect. 2,992,404, 7–11–61, Cl. 339—256.
Berg, Quentin. Electrical connector assembly and element. 3,010,093, 11–21–61, Cl. 339—256.
Berg, Ralph W.: *See*—
Day, Ernest J., and Berg. 3,010,751.
Berg, Robert B. Transplanter. 3,014,441, 12–26–61, Cl. 111—2.
Berg, Robert H.: *See*—
Coulter, Wallace H., Berg, and Heuschkel. 2,985,830.
Berg, Rudolph G., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Fluorinated corticosteroids. 2,980,670, 4–18–61, Cl. 260—239.55.
Berg, Rudolph G., G. D. Laubach, and D. P. Cameron, to Chas. Pfizer & Co., Inc. 16-alkoxylated steroid compounds and process. 3,008,959, 11–14–61, Cl. 260—239.55.
Bergandi, Frank. Wire weaving machines. 3,008,497, 11–14–61, Cl. 140—92.94.
Berge, Jacques M. A. C., to Gervias, Ch., Societe Anonyme. Method for the manufacturing of cheese. 2,974,045, 3–7–61, Cl. 99—116.
Berge, Sven E. Traversing means for weapon-carrying vehicles of the endless track type. 2,966,828, 1–3–61, Cl. 89—41.
Bergee, Arthur P.: *See*—
Rugland, Gerhard T., Yackel, and Bergee. 2,977,689.
Bergen, Charles R., to Continental Oil Co. Heat-stable greases and method of preparation. 3,002,926, 10–3–61, Cl. 252—35.
Bergen, Charles R., W. P. Scott, R. M. Tillman, and W. W. Woods, to Continental Oil Co. Method of producing heat-stable greases. 2,977,300, 3–28–61, Cl. 252—18.
Bergen, Charles R., W. P. Scott, R. M. Tillman, and W. W. Woods, to Continental Oil Co. Wide-temperature range greases. 2,977,301, 3–28–61, Cl. 252—18.
Bergen, John R., to A. A. Laun Furniture Co. Combination furniture piece. 2,988,413, 6–13–61, Cl. 312—195.

Bergen Laboratories Inc.: *See*—
Hoberman, Max. 3,005,156.
Bergen Machine & Tool Co., Inc.: *See*—
Kovach, John E. 3,013,648.
Kovach, John E., and Brown. 2,996,782.
Bergen Pipesupport Corp.: *See*—
Suozzo, Leonard S. 2,979,297.
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Bergen, Von M., to Felker Mfg. Co. Adjustable mounting for rotary saw. 2,972,344, 2–21–61, Cl. 125—13.
Bergengren, Orissa J. Palette holder. 2,984,443, 5–16–61, Cl. 248—124.
Berger, Arthur, to Baxter Laboratories, Inc. Alkyl substituted 2-thiohydantoins as anti-convulsants. 3,013,943, 12–19–61, Cl. 167—65.
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Fischer, William H. 2,979,064.
Berger, Christian D. Sound-actuated doll. 2,990,646, 7–4–61, Cl. 46—245.
Berger, Donald E., to Phillips Petroleum Co. Process control system. 2,990,437, 6–27–61, Cl. 260—683.43.
Berger, Donald E., to Phillips Petroleum Co. Process control system. 3,002,818, 10–3–61, Cl. 23—253.
Berger, Donald E., and C. W. Mertz, to Phillips Petroleum Co. Gas analysis and control. 2,984,988, 5–23–61, Cl. 62—24.
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Hahn, Werner, Weise, and Berger. 3,005,390.
Berger, Frances B., and F. B. Tuteur, said Berger assor. to General Precision, Inc. Radar system. 3,008,138, 11–7–61, Cl. 343—17.1.
Berger, George C. Barn cleaning apparatus. 2,992,724, 7–18–61, Cl. 198—164.
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Jacobs, John E., and Berger. 3,004,101.
Berger, Heinz: *See*—
Gross, Otto, and Berger. 2,975,144.
Berger, Helmut, to Siemens-Reiniger-Werke Aktiengesellschaft. Cassette changing device for taking X-ray photographs. 2,974,228, 3–7–61, Cl. 250—66.
Berger, Herbert R., to J. F. Jelenko & Co., Inc. Centrifugal casting machine. 2,992,463, 7–18–61, Cl. 22—65.1.
Berger, James P. Lumber elevator. 2,995,236, 8–8–61, Cl. 198—154.
Berger, Kornel. Universal electric swivel joint. 3,012,798, 12–12–61, Cl. 285—264.
Berger, Leon, to Atlantic Surgical Co., Inc. Surgical drainage device. 2,971,510, 2–14–61, Cl. 128—283.
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Broida, Dan, and Berger. 2,996,436.
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Berger, Richard K., H. Soumeral, and A. J. Van Newenhoven, to Worthington Corp. Multiple compressor systems for refrigeration installation. 3,009,632, 11–21–61, Cl. 230—206.
Berger, Uriah S., to Bell Telephone Laboratories, Inc. Cross-modulation measuring system. 2,987,586, 6–6–61, Cl. 179—175.3.
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Bergeron, Alfred L., and E. T. Walter, to Pneumatic Scale Corp., Ltd. Packaging machine. 2,996,855, 8–22–61, Cl. 53—53.
Bergerhoff, Hugo. Focal plane shutter for photographic cameras. 3,008,399, 11–14–61, Cl. 95—53.
Bergeron, Charles R., to Ethyl Corp. Manufacture of 1, 1-dichloroethane. 3,012,080, 12–5–61, Cl. 260—658.
Bergeron, Harry L., to Sifo Co. Countersinking tool. 3,001,560, 9–26–61, Cl. 145—123.
Bergesen, Howard S., and I. O'Rourke, Jr., to Concrete Conduit Corp. Mold positioner for concrete-molding plant. 3,014,598, 12–26–61, Cl. 214—1.
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Berghaus, Bernhard, to Elektrophysikalische Anstalt Bernhard Berg-Haus. Method and installation for carrying out glow discharge processes. 2,969,475, 1–24–61, Cl. 313—231.
Berghaus, Bernhard, and H. Bucek, to Elektrophysikalische Anstalt Bernhard Berghaus. Two electrode arrangement for electric glow discharge chamber. 2,994,007, 7–25–61, Cl. 313—146.
Berghaus, Bernhard, and H. Bucek, to Elektrophysikalische Anstalt Bernhard Berghaus. Electric discharges in gases. 3,003,061, 10–3–61, Cl. 250—49.5.
Berghaus, Bernhard, and H. Bucek, to Elektrophysikalische Anstalt Bernhard Berghaus. Process for starting and performing technical processes using electrical glow discharge. 3,004,133, 10–10–61, Cl. 219—50.
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Bergler, Arnold H., and M. Umanoff, to L. Cole. Changeable price indicator. 2,994,147, 8–1–61, Cl. 40—86.
Bergin, Gary W., to General Motors Corp. Vehicle door latch. 2,982,576, 5–2–61, Cl. 292—280.
Bergland, Terry. Sounding attachment for bicycles. 2,987,850, 6–13–61, Cl. 46—175.
Berglund, Arthur, to Sperry Rand Corp. Core sleeving machine. 2,971,253, 2–14–61, Cl. 29—234.
Berglund, Ulf E. A. Flexible barge. 2,968,272, 1–17–61, Cl. 114—74.
Berglund, Wilhelm A. Cable connector protector. 3,014,194, 12–19–61, Cl. 339—75.
Bergman, Donald J., to Universal Oil Products Co. Flare. 2,976,922, 3–28–61, Cl. 158—99.
Bergman, James H. Low voltage miniature freezing unit. 2,988,903, 6–20–61, Cl. 62—512.
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Bergmann, Oswald, and K. Torkar, to Peter Spence & Sons Ltd., and Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Production of hydrous aluminas and aluminas. 2,984,606, 5–16–61, Cl. 204—96.
Bergmann, Paul F., to Johnson Products, Inc. Double rocker arm assembly. 2,982,273, 5–2–61, Cl. 123—90.
Bergmann, Werner J., to Aluminum Co. of America. Skimmer apparatus for fluxing light metals. 2,968,847, 1–24–61, Cl. 22—83.
Bergmann, Wilfried H., to Westinghouse Electric Corp. Electromagnetic timing device. 3,005,936, 10–24–61, Cl. 317—178.
Bergquist, Theodore W. Relief valve. 2,995,147, 8–8–61, Cl. 137—475.
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Bergson, Gustav. Vaporizing valve. 2,981,278, 4–25–61, Cl. 137—340.
Bergstedt, Karl A., to Aktiebolaget Penta. Marine inboard motor power unit. 2,977,923, 4–4–61, Cl. 115—34.
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Bergstein, Frank D., to The Bergstein Packaging Trust. Closure means for liquid tight cartons. 2,983,419, 5–9–61, Cl. 229—7.
Bergstein, Frank D., and L. Back, to Bergstein Packaging Trust. Apparatus for closing and sealing lined containers. 2,979,995, 4–18–61, Cl. 93—44.
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Bergstein, Robert M. 2,983,429.
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Bergstrom, Frederick S. to Wood Conversion Co. Manufacture of fire-retardant board. 3,001,907, 9–26–61, Cl. 162—175.

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Berl, Walter G., to United States of America, Navy. Catalytic igniter for ram-jet burner. 2,970,439, 2–7–61, Cl. 60—39.82.

Berl, Walter G., and D. W. Dembrow, to United States of America, Navy. Method of bonding solid oxidizer particles together to manufacture propellant charges. 2,993,767, 7–25–61, Cl. 52—.5.

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Berman, Robert A., to Medical Plastics, Inc. Inflatable blood pressure cuff. 2,981,251, 4–25–61, Cl. 128—2.05.

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Bernard, John S. Combination fuel pump and fuel injector apparatus. 2,986,134, 5–30–61, Cl. 123—139.

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Bernstein, Jack, and H. L. Yale, to Olin Mathieson Chemical Corp. Benzothiadiazine derivatives. 3,004,024, 10–10–61, Cl. 260—243.

Bernstein, Philip: *See*—
Broderick, Edward, Bernstein, and Loshaek. 3,010,908.

Bernstein, Robert I.: *See*—
Bickel, Henry J., and Bernstein. 3,013,209.

Bernstein, Russell W., to Merit Products, Inc. Finishing machine with reciprocative rotary finishing roll. 2,989,823, 6–27–61, Cl. 51—33.

Bernstein, Russell W., and A. Block, to Merit Products, Inc. Sectional abrasive drum. Re. 25,025, 8–15–61, Cl. 51—193.5.

Bernstein, Russell W., and A. Block, to Merit Products, Inc. Abrasive wheel and replaceable abrasive unit therefor. Re. 25,026, 8–15–61, Cl. 51—193.5.

Bernstein, Samuel M. Portable combination electric rotisserie and charcoal broiler. 2,969,450, 1–24–61, Cl. 219—35.

Bernstein, Seymour, and G. R. Allen, Jr., to American Cyanamid Co. 11-substituted 16α,17α-substituted methylenedioxy steroids. 2,990,401, 6–27–61, Cl. 260—239.55.

Bernstein, Seymour, and R. H. Lenhard, to American Cyanamid Co. 9-substituted Δ^4-androstenes. 2,990,415, 6–27–61, Cl. 260—397.45.

Bernstein, Seymour, M. D. Heller, and S. M. Stolar, to American Cyanamid Co. 16β-hydroxy-9,11-substituted-4-pregnene and 1,4-pregnadiene-3,20-diones and esters thereof. 2,993,042, 7–18–61, Cl. 260—239.55.

Bernstein, Seymour, J. J. Brown, and R. H. Lenhard, to American Cyanamid Co. Bismethylenedioxy steroids. 3,002,968, 10–3–61, Cl. 260—239.55.

Bernstein, Stanley: *See*—
Bigelow, John E., Arrison, and Bernstein. 2,983,819.

Bernutz, Johannes: *See*—
Steinbach, Heinz, and Bernutz. 3,001,024.

Bernz, Otto, Co., Inc.: *See*—
Butler, Gray L. 2,969,922.
Kachergis, Henry J. 2,973,149.
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Beroza, Morton, and B. H. Alexander, to United States of America, Agriculture. Derivatives of 4-phenyl-2-butanone as attractants for the melon fly. 2,974,086, 3–7–61, Cl. 167—48.

Berquist, Dwight H., to Henningsen, Inc. Method of producing egg albumen solids with low bacteria count. 2,982,663, 5–2–61, Cl. 99—210.

Berquist, Harvey D. Control stick lock. 2,967,681, 1–10–61, Cl. 244—83.

Berquist, Leonard G., W. A. Millious, and J. H. Newhouse, to Clark Equipment Co. Industrial truck attachment. 2,990,074, 6–27–61, Cl. 214—620.

Berrett, Richard. Wall stud or brace finder. 2,992,488, 7–18–61, Cl. 33—169.

Berridge, Norman J., to National Research Development Corp. Process for the manufacture of cheese curd. 2,997,395, 8–22–61, Cl. 99—116.

Berry, Albert L.: *See*—
Berry Theodore M. 3,011,436.

Berry, Charles C., to James Lees and Sons Co. Method of imparting dual twist to yarn. 2,986,867, 6–6–61, Cl. 57—156.

Berry, Charles E., and M. T. Cichelli, to E. I. du Pont de Nemours and Co. Fluid forming of plastics. 2,987,767, 6–13–61, Cl. 18—14.

Berry, Charles M.: *See*—
Miller, Sidney E., Berry, and Chang. 3,004,992.

Berry, Clifford E., to Consolidated Electrodynamics Corp. Flutter correcting circuit for magnetic playback system. 2,975,240, 3–14–61, Cl. 179—100.2.

Berry, Clifford E., to Consolidated Electrodynamics Corp. Electrolytic cell. 2,993,853, 7–25–61, Cl. 204—195.

Berry, David A.: *See*—
Heinrich, Raymond L., Berry, and Christian. 2,979,473.
Heinrich, Raymond L., Berry, and Christian. 2,981,705.
Heinrich, Raymond L., Berry, and Christian. 2,981,706.
Heinrich, Raymond L., Berry, and Christian. 2,981,707.
Heinrich, Raymond L., Berry, and Christian. 2,981,708.
Heinrich, Raymond L., Berry, and Dick. 2,979,472.
Heinrich, Raymond L., Berry, and Dick. 2,979,474.
Heinrich, Raymond L., Berry, and Dick. 2,982,747.
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Berry, David G.: *See*—
Du Hamel, Raymond H., and Berry. 2,984,835.
Du Hamel, Raymond H., and Berry. 2,989,749.

Berry, Elmer H., to The New Haven Board & Carton Co. Holster carton. 2,973,091, 2–28–61, Cl. 206—79.

Berry, Ernest V.: *See*—
Harvey, Lile W. 2,997,882.

Berry, Ernest V. Anode structure. 3,001,925, 9–26–61, Cl. 204—224.

Berry, Franklin B.: *See*—
Hibbard, Rowland G., and Berry. 2,985,208.

Berry, Henry W., to United States of America, Navy. Infrared receiver. 2,987,622, 6–6–61, Cl. 250—83.3.

Berry, Herbert L., to United States of America, Navy. Corrugated tube and braided sleeve system for improved mobility in a flexible pressure system. 3,014,217, 12–26–61, Cl. 2—2.1.

Berry, Jean-Luc. Solid phase-fluid phase contacting apparatus. 3,010,806, 11–28–61, Cl. 23—288.

Berry, John C., and G. W. Newton; said Newton assor. to W. J. Berry. Stocking packaging machine and method. 2,971,302, 2–14–61, Cl. 53—26.

Berry, John C. and W. J. Foot covering package. 2,985,297, 5–23–61, Cl. 206—79.

Berry, John M., to Midland Chemical Corp. Aqueous filler-sealer wood finishing composition of urea-formaldehyde, sugar, boric acid alum and solvent. 2,972,587, 2–21–61, Cl. 260—17.3.

Berry, Kenneth L., to E. I. du Pont de Nemours and Co. Preparation of fibrous titanium dioxide. 2,980,510, 4–18–61, Cl. 23—202.

Berry, Kenneth L., to E. I. du Pont de Nemours and Co. Flexible feltable fibers of titanium nitride and their preparation. 3,012,856, 12–12–61, Cl. 23—191.

Berry, Laura G. Copyholding device. 3,003,467, 10–10–61, Cl. 120—32.

Berry, Melville D.: *See*—
Tunnicliffe, Philip R., Siddall, Berry, and Whittaker. 3,001,923.

Berry, Richard L., to Western Electric Co., Inc. Test sets. 2,982,913, 5–2–61, Cl. 324—73.

Berry, Robert M. Machines for the packing of bottles or like articles into cases or the like. 2,999,343, 9–12–61, Cl. 53—166.

Berry, Robert W., to Bell Telephone Laboratories, Inc. Method of making a capacitor employing film-forming metal electrode. 2,993,266, 7–25–61, Cl. 29—25.42.

Berry, Robert W., Jr.: *See*—
Bader, William, Berry, and Beyer. 2,974,451.

Berry, Theodore L., to The Dia-Log Tubular Survey Co. Free point indicator for determining the point at which stuck pipe is free in a well. 3,004,427, 10–17–61, Cl. 73—151.

Berry, Theodore L., to The Dia-Log Tubular Survey Co. Free point indicator for determining the point at which stuck pipe is free in a well. 3,006,186, 10–31–61, Cl. 73—151.

Berry, Theodore M., deceased, by A. L. Berry, administrator, to General Electric Co. Methods of making printing plates. 3,011,436, 12–5–61, Cl. 101—401.1.

Berry, Thomas H. Lifter and breaker plate assembly for brush cutting machines. 2,968,354, 1–17–61, Cl. 172—28.

Berry, William J.: *See*—
Berry, John C., and Newton. 2,971,302.
Berry, John C. and W. J. 2,985,297.

Berry, William L.: *See*—
Mosby, William L., and Berry. 2,967,861.

Berry, William L., and W. L. Mosby, to American Cyanamid Co. Anthraquinone 1,2,4-triazines. 2,967,862, 1–10–61, Cl. 260—249.

Berry, William L., and W. L. Mosby, to American Cyanamid Co. Anthraquinone oxadiazines. 3,012,031, 12–5–61, Cl. 260—244.

Berry, William R.: *See*—
Keeney, William E., Berry, and Stock. 2,978,223.

Berryhill, Joseph L., and R. G. Snow, to The Chronicle Publishing Co. Sequential program switcher. 3,014,163, 12–19–61, Cl. 317—139.

Berryman, Langdon H., P. L. Goupilland, and K. H. Waters, to Continental Oil Co. Method and apparatus for seismic trace synthesis. 3,009,527, 11–21–61, Cl. 181—.5.

Berseth, John A., to Pittsburgh Plate Glass Co. Glass bending lehrs and conveyors therefor. 3,001,328, 9–26–61, Cl. 49—7.

Bersin, Richard L., and J. M. Brinkerhoff, to Tracerlab, Inc. Radiation measuring instrument. 2,968,726, 1–17–61, Cl. 250—83.1.

Bersin, Theodor, and A. Müller. Coating process. 2,979,422, 4–11–61, Cl. 117—106.

Berst, Neil: *See*—
Dvorkovitz, Vladimir, Berst, and Krause. 2,968,733.
Dvorkovitz, Vladimir, Berst, and Leist. 2,982,739.

Bert, Paul M.: *See*—
Swanson, Walter S., Hutchinson, and Bert. 2,969,001.

Bert, Samuel. Snow making machine having syrup dispenser. 3,000,189, 9–19–61, Cl. 62—389.

Bertaux, Walter S., H. Bollenbacher, and M. H. Shackelford, to General Electric Co. Thrust augmenting system. 2,984,970, 5–23–61, Cl. 60—35.6.

Bertell, Paul, to Standard Mirror Co., Inc. Rear vision mirror. 2,989,896, 6–27–61, Cl. 88—77.

Bertell, Paul, and L. C. Meade, to Standard Mirror Co., Inc. Rear vision mirror support. 2,989,897, 6–27–61, Cl. 88—93.

Bertell, Paul, and W. R. Knowlton, to Standard Mirror Co., Inc. Rear vision mirror. 2,993,410, 7–25–61, Cl. 88—98.

Bertelson, Adolph B., Jr. Water ski tow rope attachment. 2,992,624, 7–18–61, Cl. 114—235.

Berther, Clau, to Inventa A.G. fur Forschung und Patentverwertung. Process for the production of caprolactam. 3,007,921, 11–7–61, Cl. 260—239.3.

Berthet, Francois, and J. Desvaux. Driving and extraction devices for piles, tubing, sheet piling and the like. 3,008,528, 11–14–61, Cl. 175—55.

Berthold, Harald F. A.: *See*—
Schlyter, Bertil O. 2,993,686.

Bertin, Daniel: *See*—
Nomine, Gerard, and Bertin. 3,007,949.

Bertin, Emile M. J.: *See*—
Van den Blink, Willem P., and Bertin. 2,985,744.

Bertin, Jean H.: *See*—
Salmon, Benjamin, and Bertin. 2,979,899.
Salmon, Benjamin J. M., and Bertin. 3,001,691.

Bertin, Jean H., to Societe Bertin et Cie (Societe a Responsabilite Limitee). Discharge nozzles with a view to reducing the noise of the jet. 2,973,825, 3–7–61, Cl. 181—43.

Bertin, Jean H., and H. F. Schmitt, to Societe Bertin & Cie. Air-borne vehicle. 3,012,738, 12–12–61, Cl. 244—12.

Bertling, Ronald J.: *See*—
Kraase, Walter W., and Bertling. 2,999,224.

Bertling, Ronald J., to McGraw-Edison Co. Switch operating means. 2,974,540, 3–14–61, Cl. 74—425.

Bertolacini, Ralph J., to Standard Oil Co. Mercuric chloranilate. 2,977,380, 3–28–61, Cl. 260—434.

Bertolacini, Ralph J., to Standard Oil Co. High-surface-area alumina and catalysts containing same. 2,983,690, 5–9–61, Cl. 252—441.

Bertolacini, Ralph J., to Standard Oil Co. Alumina catalyst of increased surface area. 3,009,885, 11–21–61, Cl. 252—441.

Bertolacini, Ralph J., and H. S. Seelig, to Standard Oil Co. Purification of alumina. 2,995,510, 8–8–61, Cl. 208—139.

Bertoldi, Attilio. Control and protection device for fulling machines. 3,001,261, 9–26–61, Cl. 26—24.

Bertolini, William A., B. G. Caputo, and C. O. Smith, to Grumman Aircraft Engineering Corp. Cargo container. 3,004,682, 10–17–61, Cl. 220—1.5.

Bertossa, Robert C., to Chicago Bridge & Iron Co. Molybdenum clad product having an intermediate metal layer and method of producing the same. 2,966,738, 1–3–61, Cl. 29—196.

Bertoya, Hastings C. M.: *See*—
Lewis, Ewart G., Eldridge, Bradfield, and Bertoya. 2,971,372.

Bertram, John C., to Bertram Wire Products, Inc. Combined handle and basket. 3,006,531, 10–31–61, Cl. 229—52.

Bertram, Joseph J., and S. Rosenfeld, to Burndy Corp. Electrical connector housing. 3,002,175, 9–26–61, Cl. 339—126.

Bertram, Robert H. Toy vehicle. 2,988,370, 6–13–61, Cl. 280—87.02.

Bertram, Sidney: *See*—
Barlow, Edward J., Mallett, Bertram, and Daspit. 2,972,141.

Bertram, Sidney, to United States of America, Navy. Simulator for echo ranging. 3,009,264, 11–21–61, Cl. 35—10.4.

Bertram Wire Products, Inc.: *See*—
Bertram, John C. 3,006,531.

Bertrams, Hch., Aktiengesellschaft: *See*—
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Bertrams Ltd.: *See*—
Rance, Herbert F., Baggallay, and Robinson. 2,990,013.

Bertrand, Eugene A. G. Shoemaking appliance for shaping the backs of shoe uppers. 2,983,934, 5–16–61, Cl. 12—54.3.

Bertrand, Jacques R. R., to Societe Anonyme des Caves et des Producteurs Reunis de Roquefort. Machine for welding the wrappings of cheeses. 2,976,662, 3–28–61, Cl. 53—388.

Bertrand, Louis, and C. M. Olson, to E. I. du Pont de Nemours and Co. Silicon production. 3,012,862, 12–12–61, Cl. 23—223.5.

Bertsch, Josef A., to Dana Corp. Bearing and speed reduction mechanism. 2,970,491, 2–7–61, Cl. 74—206.

Bertsch, Joseph F., to General Motors Corp. Cooling and air supply system for internal combustion engines. 2,972,340, 2–21–61, Cl. 123—41.7.

Bertsch, Joseph F., and K. H. Hansen, to General Motors Corp. Dual height suspension control mechanism. 2,978,256, 4–4–61, Cl. 280—124.

Bertsch, Joseph F., and K. H. Hansen, to General Motors Corp. Fluid distribution systems and apparatus therefor. 2,983,506, 5–9–61, Cl. 267—65.

Bertsch, Marguerite. Retractor lens. 2,979,997, 4–18–61, Cl. 95—1.

Bertsche, Ralph H., and E. E. Gegenheimer, to General Motors Corp. Dynamoelectric machine. 2,987,637, 6–6–61, Cl. 310—54.

Bertucci, Anthony. Toy. 3,004,365, 10–17–61, Cl. 46—63.

Bertulli, Ermete. Strainer. 3,007,179, 11–7–61, Cl. 4—287.

Bertullo, Victor H., and F. P. Hettich. Protein hydrolysis. 3,000,789, 9–19–61, Cl. 195—29.

Beruldsen, Jacob S.: *See*—
Beran, Robert J., Beruldsen, and Richter. 2,993,728.

Beryllium Corp., The: *See*—
Herman, Albert R. 3,008,204.

Berzinski, Alphonse L.: *See*—
Scarnato, Thomas J., and Berzinski. 3,014,328.

Beshur, Ralph I. Hand washer. 3,008,317, 11–14–61, Cl. 68—213.

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Welles, Donald P., Jr. 2,991,491.

Besnah, Gerald A. Protective and reflective device. 2,981,256, 4–25–61, Cl. 128—372.

Beson, John: *See*—
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Beson, John, to McEvoy Co. Multiple pipe support. 2,976,929, 3–28–61, Cl. 166—75.

Bess, Henry F., to Weyerhaeuser Co. Carton. 2,983,428, 5–9–61, Cl. 229—34.

Bessay, Auguste M. Machine for printing labels, tickets, placards and so forth. 3,010,388, 11–28–61, Cl. 101—103.

Bessell, Christine J., W. K. Anslow, A. M. Mortimer, D. L. Fletcher, and A. Rhodes, to Glaxo Laboratories Ltd. Antibiotic production. 3,013,947, 12–19–61, Cl. 195—80.

Besser, Leo. Folding object including at least one inflatable hollow body. 2,982,341, 5–2–61, Cl. 155—178.

Besserdich, Orrin, to Food Machinery and Chemical Corp. Perforating mechanism having pivoted anvil operable upon wadding of work to prevent damage to blades. 2,986,058, 5–30–61, Cl. 83—348.

Besserer, Carl W.: *See*—
Bell, Alfred J., and Besserer. 3,000,597.

Bessette, Georges H. N. Conveyor chain lifting device. 2,997,153, 8–22–61, Cl. 198—1.

Bessiere, Pierre E. Self-regulating reciprocating action fuel injection pump. 2,968,247, 1–17–61, Cl. 103—37.

Bessiere, Pierre E. Fuel injection device for a multicylinder internal combustion engine. 2,974,657, 3–14–61, Cl. 123—139.

Bessiere, Pierre E. Self-regulating reciprocating pumps, and in particular in internal combustion engine fuel injection pumps. 2,975,712, 3–21–61, Cl. 103—41.

Bessiere, Pierre E. Fuel injection pumps. 2,978,987, 4–11–61, Cl. 103—41.

Bessiere, Pierre E., to Precision Mecanique Labinal. Devices for driving, especially alternators, at substantially constant speed from a variable speed shaft. 2,998,539, 8–29–61, Cl. 310—99.

Bessiere, Pierre E. Reciprocating liquid pumps, and in particular in fuel injection pumps. 3,003,421, 10–10–61, Cl. 103—41.

Bessiere, Pierre E. Reciprocating pumps including an auxiliary piston, in particular for the injection of fuel into internal combustion engines. 3,003,422, 10–10–61, Cl. 103—41.

Bessiere, Pierre E. Self-regulating reciprocating action pumps, and in particular in fuel injection pumps. 3,007,415, 11–7–61, Cl. 103—38.

Bessiere, Pierre E. Reciprocating action pumps for the injection of fuel into internal combustion engines. 3,011,489, 12–5–61, Cl. 123—139.
Besso, Michael M., A. F. Diorio, and W. L. Hochner, to National Lead Co. Method of spinning protein-detergent filament. 2,992,882, 7–18–61, Cl. 18—54.
Besso, Michael M., A. F. Diorio, and W. L. Hochner, to National Lead Co. Protein fiber and method. 2,992,933, 7–18–61, Cl. 106—154.
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Beyner, Andre, and Besson. 2,999,966.
Best, Clarence A. Transparent plug with interchangeable fish hooks. 2,994,983, 8–8–61, Cl. 43—41.
Best, David M. Casing scraper. 3,011,556, 12–5–61, Cl. 166—173.
Best, Donald T., H. A. Druker, and O. Hohnecker, to Burroughs Corp. Control for retractible transducers. 3,005,676, 10–24–61, Cl. 346—74.
Best, Frank E. Tapered roller bearing. 2,990,223, 6–27–61, Cl. 308—207.
Best, John H., & Sons, Inc.: *See*—
Best, Leon H. 3,011,668.
Best, John S.: *See*—
Hanson, Alden W., and Best. 2,989,517.
Best, Leon H., to John H. Best & Sons, Inc. Transport dollies. 3,011,668, 12–5–61, Cl. 214—370.
Best Plastics Corp.: *See*—
Lattuca, Sam T. 2,979,844.
Best, Ronald L., A. Crossley, S. Paul, H. Pardun, and C. J. Soeters, to Lever Bros. Co. Cocoa butter substitutes and products containing them. 2,975,060, 3–14–61, Cl. 99—118.
Best, Ronald L., C. J. Soeters, A. C. Davies, and S. Paul, to Lever Brothers Co. Cocoa-butter substitute. 3,012,891, 11–14–61, Cl. 135—4.
Best, Stanley G., to United Aircraft Corp. System for distributing conditioned air in aircraft. 2,991,706, 7–11–61, Cl. 98—1.5.
Bestenreiner, Friedrich: *See*—
Biedermann, Friedrich, and Bestenreiner. 3,013,481.
Bester, Anthony V. Collapsible portable shelter. 3,008,477, 12–12–61, Cl. 99—118.
Besterda, Louis. Apparatus for practicing bowling. 2,994,969, 8–8–61, Cl. 35—29.
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Bestian, Herbert, and J. Lange, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Polyethylene waxes and process for preparing them. 2,999,856, 9–12–61, Cl. 260—94.9.
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Bruderlein, Ernst J., and Rohr. 2,980,254.
Enneper, Paul E. 2,971,736.
Pelzer, Hans K. 3,003,611.
Schinke, Hans-Werner. 2,990,093.
Betham, Robert R. Adhesion product and method of manufacture. 3,013,918, 12–19–61, Cl. 154—46.8.
Bethea, Barron. Dead end cable clamp. 2,980,378, 4–18–61, Cl. 248—63.
Bethel, Robert L. Cable spacer. 2,976,344, 3–21–61, Cl. 174—146.
Bethlehem Steel Co.: *See*—
Eberhardt, John E. 3,005,701.
Gathman, David W., and Cox. 3,013,463.
Horton, James B., and Serfass. 2,975,029.
Hottenstein, Carl C. 3,000,254.
Kraner, Hobart M., and Limons. 3,003,864.
MacNaught, Donald F., and Jacobson. 2,996,032.
MacNaught, Donald F., and Jacobson. 2,997,011.
Rechtin, Eberhardt C. 2,969,648.
Simpson, Stanley F. 2,977,648.
Steele, James E., Krepper, and Evans. 3,008,691.
Steffensen, Percy L. 3,003,756.
Worthen, Eugene P., and Barbour. 3,003,931.
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Stadtlaender, Otto. 3,001,828.
Betriebslaboratorium Fur Rundfunk und Fernsehen: *See*—
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Bettcher, Bruce H., to The Pam Co. Motor braking circuit. 3,007,100, 10–31–61, Cl. 318—373.
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Boitscha, Herbert E. 2,997,826.
Visnaw, Kenneth. 2,978,849.
Bettendorf Distributing Co.: *See*—
Danielsen, Alfred J., Jr., and Schneckloth. 2,973,022.
Bettenhausen, Melvin E., deceased, V. E. Bettenhausen, executrix. Weight transfer device for tractors. 3,004,770, 10–17–61, Cl. 280—150.
Bettenhausen, Valerie E.; *See*—
Bettenhausen, Melvin E. 3,004,770.
Better, Bernard R., to Scully-Jones and Co. Tool holder-axial locking type. 2,970,844, 2–7–61, Cl. 279—75.
Better, Bernard R., to Scully-Jones and Co. Indirect chucking. 2,972,486, 2–21–61, Cl. 279—2.
Better, Bernard R., to Scully-Jones and Co. Overload release clutch. 2,978,082, 4–4–61, Cl. 192—56.
Better, Bernard R., to Scully-Jones and Co. Floating holders. 2,981,544, 4–25–61, Cl. 279—16.
Better, Bernard R., and J. W. Kosinski, to Scully-Jones and Co. Tool holder—rotary locking type. 2,990,188, 6–27–61, Cl. 279—75.
Better Industries, Inc.: *See*—
Corsentino, Joseph. 2,992,453.
Better Packages, Inc.: *See*—
Krueger, Theodore H., and Sharpe. 2,970,416.
Sharpe, Everett E. 2,990,991.
Betteridge, Reuben: *See*—
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Betterron, Thomas B. Reminder appliance. 2,968,276, 1–17–61, Cl. 116—130.
Bettolo, Aroldo R., to S.p.A. Officina Meccanica Sant'Andrea Novara. Resilient top roll and nippers for drawing frames of spinning machines. 3,006,037, 10–31–61, Cl. 19—142.
Bettoni, Eugene C., to Holley Carburetor Co. Combination distributor and selectively operated vacuum or like pump. 2,981,194, 4–25–61, Cl. 103—23.
Bettoni, Eugene C., and E. R. Larges, to Holley Carburetor Co. Full pressure ignition distributor. 2,985,727, 5–23–61, Cl. 200—31.
Betts and Co. Ltd.: *See*—
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Betts, Leonard F.: *See*—
Naidus, Edward S., and Betts. 2,982,658.
Betts, Peter, and J. S. Lord, to Instrument Development Laboratories, Inc. Methods of code drum construction. 2,997,412, 8–22–61, Cl. 154—2.28.
Betts, William M. Spring mud flap holders. 2,970,849, 2–7–61, Cl. 280—154.5.
Bettys, Albert L. Flexible gripper wrench. 3,013,455, 12–19–61, Cl. 81—69.
Betz, Adolf: *See*—
Konrad, Jakob, Ramundt, and Betz. 2,993,487.
Betz, Howard T., and H. L. Sowers, to Da-Lite Screen Co., Inc. Projection picture screen. 2,983,190, 5–9–61, Cl. 88—28.9.
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Kahler, Harry L., and George. 2,999,732.
Betz, Paul L., to Baltimore Gas and Electric Co. Fast-acting thermoelectric generators. 2,992,288, 7–11–61, Cl. 136—4.
Betzenhammer, Bela: *See*—
Runge, Wilhelm T., Betzenhammer, and Henze. 2,970,281.
Beucher, Charles, to Telecommunications Radioelectriques et Telephoniques T.R.T. (Societe Anonyme). Single side-band receiver for reception of single side-band signals by means of a carrier-wave frequency. 2,979,610, 4–11–61, Cl. 250—20.
Beuckman, Frank: *See*—
Burgert, Harold E. 2,967,428.
Beukema, Willem, B. H. Bruijning, and J. Vuurmans, to North American Philips Co., Inc. Applying leads to tubular electrical components. 2,999,302, 9–12–61, Cl. 29—155.5.
Beukenkamp, John, to Colgate Palmolive Co. Copper phosphate salts. 3,004,824, 10–17–61, Cl. 23—105.
Beumel, Oscar F., Jr.: *See*—
Kuivila, Henry G., and Beumel. 2,997,485.
Beurer, Frederick C., to United Aircraft Corp. Aircraft control linkage. 2,974,901, 3–14–61, Cl. 244—17.11.
Beurer, Frederick C., to United Aircraft Corp. Power transmission system. 2,979,968, 4–18–61, Cl. 74—665.
Beurrier, Henry R., to Bell Telephone Laboratories, Inc. Selecting circuit. 3,003,143, 10–3–61, Cl. 340—347.
Beurtheret, Charles A. E., to Compagnie Francaise Thomson-Houston. Electric discharge device cooling systems. 2,969,957, 1–31–61, Cl. 257—250.
Beuter, Clyde R., to The Nylok Corp. Threaded member with impaled locking insert. 3,010,503, 11–28–61, Cl. 151—7.
Beuther, Harold, R. A. Flinn, and J. B. McKinley, to Gulf Research & Development Co. Hydrogenation of aromatics with a tungsten and nickel sulfide, supported on alumina, catalyst composite. 2,967,204, 1–3–61, Cl. 260—667.
Beuther, Harold, R. E. Kline, and R. C. Zabor, to Gulf Research & Development Co. Two-stage hydrocarbon reforming process. 2,968,606, 1–17–61, Cl. 208—70.
Beuther, Harold, A. M. Henke, and W. C. Offutt, to Gulf Research & Development Co. Process for decolorizing petroleum ceresin. 2,998,377, 8–29–61, Cl. 208—27.
Beuther, Harold, R. C. Odioso, B. K. Schmid, and R. C. Zabor, to Gulf Research & Development Co. Catalytic hydration of alcohols. 3,006,970, 10–31–61, Cl. 260—641.
Beutler, Arthur J., Jr.: *See*—
Graves, Donald E., and Beutler. 2,993,124.
Beutler, Carolee C., to General Electric Co. Photosensitive semi-conducting material and method of making the same. 2,972,585, 2–21–61, Cl. 252—501.
Beutler, Carolee C., to General Electric Co. Preparation of photoconductive material. 2,986,534, 5–30–61, Cl. 252—501.
Bevacqua, Louis A., to Motorola, Inc. Tuner disengagement mechanism. 2,967,431, 1–10–61, Cl. 74—10.27.
Bevans, Jerry T., to Shell Oil Co. Cold junction for thermocouple. 2,986,890, 6–6–61, Cl. 62—3.
Bevarly, Henry W., to Chemetron Corp. Method for producing and molding plastic materials having a gaseous ingredient. 2,980,539, 4–18–61, Cl. 99—118.
Beverly, Merritt L., and M. Kahn, to Sprague Electric Co. Variable resistor. 2,970,244, 1–31–61, Cl. 317—101.
Bevers, Eugene J., and R. J. Wente, to General Motors Corp. Torque limiter. 2,982,096, 5–2–61, Cl. 60—39.28.
Bevier, Theodore S. Automatic tape dispenser. 2,988,944, 6–20–61, Cl. 83—233.
Bevington, Charles E., to National Knitting Co. Garment with expansible neck. 2,994,884, 8–8–61, Cl. 2—78.
Bevins, James E.: *See*—
Anastasia, Harry G., and Bevins. 2,998,810.

Bewen, Edward M. Side-wall structure. 2,991,856, 7–11–61, Cl. 189—34.
Bewley, Lawrence L., and J. F. Foster, to Burroughs Corp. Data conversion system. 3,000,556, 9–19–61, Cl. 235—61.6.
Bewley, Richard W.: *See*—
Doman, Glidden S., Du Pont, and Bewley. 2,978,038.
Bexford Ltd.: *See*—
Clachan, Margaret L., McPherson, Tatchell, and Abbott. 3,000,849.
Beydler, Lee W. G., to Northrop Corp. Precision optical tooling. 2,986,855, 6–6–61, Cl. 51—165.
Beyer, Fred K.: *See*—
Bader, William, Berry, and Beyer. 2,974,451.
Beyer, John H., to United States Pipe and Foundry Co. Centrifugal mold end closure means. 3,001,253, 9–26–61, Cl. 22—65.
Beyer, John H., to United States Pipe and Foundry Co. Centrifugal casting process. 3,004,314, 10–17–61, Cl. 22—200.5.
Beyer Peacock & Co. Ltd.: *See*—
Hadfield, James. 2,992,050.
Beyer-Olsen, Arthur. Polishing, grinding or glazing wheel. 2,983,940, 5–16–61, Cl. 15—181.
Beyer-Olsen, Arthur. Arrangement in grinding or polishing band. 2,983,941, 5–16–61, Cl. 15—209.
Beyhl, Edward H., to Fuller Co. Gyratory crusher. 2,977,057, 3–28–61, Cl. 241—213.
Beyl, Jean J. A. Safety ski binder. 3,000,644, 9–19–61, Cl. 280—11.35.
Beyl, Jean J. A. Ski-binder safety cable-adjuster. 3,012,793, 12–12–61, Cl. 280—11.35.
Beyler, Roger E.: *See*—
Arth, Glen E., Beyler, and Sarett. 3,004,994.
Beyner, Andre: *See*—
Hug, Andre, Beyner, and Guignard. 3,006,139.
Beyner, André, to Ebauches S.A. Lever escapement for timepieces. 2,971,324, 2–14–61, Cl. 58—28.
Beyner, Andre, and R. Besson, to Ebauches S.A. Timepiece comprising an electromagnetically maintained oscillating regulator. 2,999,966, 9–12–61, Cl. 318—132.
Beyrard-Benchemoul, Norbert R.: *See*—
Van Oss, Carel J., and Beyrard-Benchemoul. 2,989,457.
Bezark, Richard S., to Superior Plastics, Inc. Anatomical device. 2,995,833, 8–15–61, Cl. 35—17.
Bezark, Richard S., to Superior Plastics Inc. Anatomical device. 3,009,265, 11–21–61, Cl. 35—17.
Bezark, Richard S., to Superior Plastics, Inc. Anatomical device. 3,009,267, 11–21–61, Cl. 35—17.
Bezemer, Arie, and K. Sagasser, to N.V. Onderzoekingsinstituut Research. Process for manufacturing polyalkylene terephthalate threads. 2,987,373, 6–6–61, Cl. 18—54.
Bezman, Irving I., to Armstrong Cork Co. Fusion process for producing pure organic nitriles. 3,012,059, 12–5–61, Cl. 260—465.
Bezzerides, Paul A. Machine for applying hot caps and the like. 3,000,139, 9–19–61, Cl. 47—1.
Bhagwat, Madhav R.: *See*—
Maude, Aylmer H., Bhagwat, Lisman, and Rosenberg. 3,006,833.
Biagi, Alvaro D., to International Telephone and Telegraph Corp. Transmitter spectrum monitor. 2,979,609, 4–11–61, Cl. 250—17.
Bialostok, Max. Glove knitting apparatus. 2,990,703, 7–4–61, Cl. 66—87.
Bialy, Karol J., to United States of America, Navy. Missile launcher. 2,998,754, 9–5–61, Cl. 89—1.7.
Bialy, Michael, to Polyfoam Plastics Corp. Laminated strap. 3,013,919, 12–19–61, Cl. 154—53.6.
Bianchi, Achille. Drier with circular stages and oscillating flow air inlet nozzles. 3,004,349, 10–17–61, Cl. 34—173.
Bianchi, Antonio, to F.I.O.C. Fabbrica Italiana Occhiali Cibiana-Bianchi, Genova & C. Spectacle frame having temples capable of elastic divarication. 2,976,766, 3–28–61, Cl. 88—41.
Bianchi, Renato: *See*—
Ruehlemann, Herbert E., Burke, Bianchi, Smith, and Tower. 2,978,981.
Will, Albert S., Bianchi, and Butler. 2,981,190.
Bianchi, Renato, to United States of America, Navy. Magnetically delayed arming device for a fuse. 2,978,982, 4–11–61, Cl. 102—79.
Bianchi, Renato, and H. E. Ruehlemann, to United States of America, Navy. Vibration sensitive diode. 2,999,179, 9–5–61, Cl. 313—146.
Bianchini, Pietro, to Crinos Industria Farmacobiologica S.p.A. Heparinoid anti-cholesterolemic factor. 3,000,787, 9–19–61, Cl. 167—74.
Bianco, Ernest E.: *See*
Albright, John W., and Bianco. 2,994,845.
Bibb, John T., to Tok-Products Co. Light fixture for suspended grid ceiling. 3,001,091, 9–19–61, Cl. 174—71.
Bibb, William M.: *See*—
Gray, Cloyd E., Sherman, Fox, Ferrari, and Bibb. 2,977,914.
Bibbins, George S.: *See*—
Bachelet, Albert E., Bibbins, Celentano, and Pullis. 2,981,803.
Bibbins, Lance L.: *See*—
Fischer, Laurin G., and Bibbins. 2,981,472.
Bibby, Robert J.: *See*—
Thompson, Philip M., and Bibby. 3,013,724.
Biber, Albert, and B. R. Walsh, to Gulf Research & Development Co. Air directing apparatus. 3,001,576, 9–26–61, Cl. 158—76.
Biber, Conrad H., to Keuffel & Esser Co. Photoelectric leveling device. 3,011,384, 12–5–61, Cl. 88—1.
Bible, Robert E., M. G. Dreyfus, J. M. Parker, and R. R. Williamson, to General Precision, Inc. Position detector. 2,999,939, 9–12–61, Cl. 250—203.
Bible, Roy H., Jr., to G. D. Searle & Co. 1,12-dimethyl-6-hydroxy-7-(β-carboxyalkenyl) - 1,2,3,4,9,10,11,12-octahydrophenanthrene-1-carbocyclic acid esters and derivatives thereof. 2,971,008, 2–7–61, Cl. 260—343.2.
Bible, Roy H., Jr., to G. D. Searle & Co. Morpholides and thiamorpholides of 1,4a-diamethyl-1-carboxy-6-hydroxy-1,2,3,4,4a,9,10,10a-octahydrophenanthrene-7-carboxylic acids, 7-alkanoic acids and 7-alkanethionic acids and their ethers and esters. 2,975,176, 3–14–61, Cl. 260—247.1.
Bible, Roy H., Jr., to G. D. Searle & Co. 3,6-dioxygenated 17α - (2 - carboxyethyl) androstane - 5α,17β - diol lactones. 3,012,029, 12–5–61, Cl. 260—239.57.
Bice, Charles C., to Phillips Petroleum Co. Composite ammonium nitrate propellants containing boron. 2,995,431, 8–8–61, Cl. 52—.5.
Bice, Charles C., and W. B. Reynolds, to Phillips Petroleum Co. Solid propellant compositions. 2,993,769, 7–25–61, Cl. 52—.5.
Bichard, John A.: *See*—
Butler, Roger M., and Bichard. 2,984,619.
Bichl, Sepp. Shoe heel, particularly for ladies' shoes. 2,984,021, 5–16–61, Cl. 36—34.
Bichsel, Harry J.: *See*—
Adamson, Floyd E., and Bichsel. 3,013,144.
Bichsel, Harry J., and A. J. Baeslack, to Westinghouse Electric Corp. Arc welding. 3,005,903, 10–24–61, Cl. 219—131.
Bickel, Hans: *See*—
Wettstein, Albert, Vischer, and Bickel. 3,000,786.
Bickel, Henry J., and R. I. Bernstein. Coherent memory filter. 3,013,209, 12–12–61, Cl. 324—77.
Bickers, Arthur: *See*—
Grisdale, George L., and Bickers. 2,985,875.
Biekert, Ernst, to Hoffmann-La Roche Inc. Process for the production of amino acids. 3,000,888, 9–19–61, Cl. 260—247.2.
Bickford, Hollis L. Overload detector, 2,979,704, 4–11–61, Cl. 340—177.
Bickford, John H.: *See*—
Sargent, Howard H., Jr., Bickford, and Bliss. 3,014,657.
Bickford, Walter S. Shower head adapter. 3,005,995, 10–31–61, Cl. 4—145.
Bickham, Abraham S., to A. O. Smith Corp. Switch mounting for rotating equipment. 2,991,340, 7–4–61, Cl. 200—80.
Bicking, John B.: *See*—
Skinner, Glenn S., and Bicking. 3,004,970.
Skinner, Glenn S., and Bicking. 3,004,971.
Sprague, James M., and Bicking. 2,978,457.
Bickman, Felix H.: *See*—
Kubesh, Milo F. 2,985,261.
Bickoff, Emanuel M., and A. N. Booth, to United States of America, Agriculture. Coumestrol ethers and use thereof. 2,987,398, 6–6–61, Cl. 99—2.
Biddiscombe, Joseph P.: *See*—
Anderson, James, and Biddiscombe. 2,985,845.
Biddle, William C., to National Valve and [illegible] Co. Multiple valve assembly. 3,007,489, 11–7–61, Cl. 137—551.
Bider, Gianni. Sliver delivery unit for stationary balling head. 2,979,276, 4–11–61, Cl. 242—54.4.
Biderman, Benjamin B., to Collins Radio Co. Even harmonic phase detector. 2,984,785, 5–16–61, Cl. 324—87.
Bidgood, Lee, Jr., to E. I. du Pont de Nemours and Co. Process of compressional working textile fabrics. 2,972,177, 2–21–61, Cl. 26—1.
Bidwell, Joseph B., to General Motors Corp. Vehicle steering system with oscillation damping. 2,979,148, 4–11–61, Cl. 180—79.2.
Bidwell, Joseph B., to General Motors Corp. [illegible]ion and steering assembly. 2,994,396, 8–1–61, Cl. 180—79.2.
Bieber, Charles E., to Monroe Calculating Machine Co. Double strip tally roll feed. 2,998,905, 9–5–61, Cl. 226—187.
Bieber, Clarence G., to The International Nickel Co., Inc. Heat-resisting nickel base alloys. 2,977,222, 3–28–61, Cl. 75—171.
Bieber, Frederick J., and C. I. Steinback, to Acrometal Products, Inc. Winding spool. 2,996,265, 8–15–61, Cl. 242—118.61.
Bieber, Herman, W. M. Basch, and L. Denber, to Esso Research and Engineering Co. Process for removing metallic contaminants from oils. 2,971,905, 2–14–61, Cl. 208—252.
Bieber, Herman, and T. B. Simpson, to Esso Research and Engineering Co. Process for demetalizing hydrocarbon oils. 2,990,365, 6–27–61, Cl. 208—253.
Bieber, Herman, I. A. Eldib, and M. A. Weiss, to Esso Research and Engineering Co. Regeneration of spent caustic by foaming. 2,998,382, 8–29–61, Cl. 208—235.
Bieber, Kasimir M. Ski-tow grippers. 2,977,895, 4–4–61, Cl. 104—202.
Bieber, Roman C., and F. J. Miller, Jr., to E. I. du Pont de Nemours and Co. Spinning apparatus. 2,988,777, 6–20–61, Cl. 18—8.
Bieberdorf, Frederick W., and J. W. Rhoades, to American Hospital Supply Corp. Liquid packaging and dispensing means. 2,986,142, 5–30–61, Cl. 128—272.

Bieda, Thaddeus J. Baby jumper. 2,967,566, 1–10–61, Cl. 155—17.

Biedawski, Jozef: *See*—
Mann, Ralph J., and Biedawski. 2,974,065.

Biedermann, Friedrich, to Agfa Aktiengesellschaft. Pneumatic exposure regulating device for photographic cameras. 2,981,167, 4–25–61, Cl. 95—53.

Biedermann, Friedrich, and A. Zinki, to Agfa Aktiengesellschaft. Exposure regulating device for photographic cameras. 2,981,168, 4–25–61, Cl. 95—53.

Biedermann, Friedrich, and R. Wick, to Agfa Aktiengesellschaft. Chromatic photographic reproduction apparatus. 3,002,425, 10–3–61, Cl. 88—24.

Biedermann, Friedrich, and F. Bestenreiner, to Agfa Aktiengesellschaft. Pneumatic exposure regulating device for photographic cameras. 3,013,481, 12–19–61, Cl. 95—53.

Biedermann, Walter: *See*—
Schetty, Guido, Biedermann, and Beffa. 2,985,646.

Biedermann, Wolfgang, K. Raichle, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of epoxy compounds containing hydroxyl groups. 2,985,666, 5–23–61, Cl. 260—348.

Biedess, Anthony R., to Goodman Mfg. Co. Planetary drive mechanisms for excavating machines or the like. 3,007,352, 11–7–61, Cl. 74—785.

Biedess, Anthony R., to Goodman Mfg. Co. Articulated conveyor. 3,008,566, 11–14–61, Cl. 198—208.

Biedinger, Henry J., and J. C. Kuckhoff, to The Syracuse Stamping Co., Inc. Ribbon spool. 2,998,878, 9–5–61, Cl. 197—175.

Biedinger, Henry J., and C. J. Kuckhoff, to Syracuse Stamping Co., Inc. Hinge. 3,008,175, 11–14–61, Cl. 16—128.

Biefeld, Lawrence P., to Owens-Corning Fiberglas Corp. Sized glass fiber products. 2,991,196, 7–4–61, Cl. 117—126.

Biefer, Gregory J., and F. H. Krenz, to Atomic Energy of Canada Ltd. Inhibition of corrosion of aluminum alloys. 2,977,260, 3–28–61, Cl. 148—6.27.

Bieganski, Wladyslaw J.: *See*—
Glickman, Lester M., and Bieganski. 2,983,881.

Biel, Hans, and E. Pfaffle. Machine for manufacturing pads bound with a spiral wire. 2,973,199, 2–28–61, Cl. 270—1.

Biel, Hans, and E. Pfaffle, to H. Sichinger. Lever operated pin guided draw cut apparatus. 3,003,381, 10–14–61, Cl. 83—638.

Biel, Hans, and E. Pfäffle, to H. Sickinger. Interchangeable inking devices to be used alternatively for aniline and rotogravure printing. 3,007,405, 11–7–61, Cl. 101—181.

Biel, John H.: *See*—
Judd, Claude I., Drukker, and Biel. 2,985,660.

Biel, John H., to Lakeside Laboratories, Inc. 3-piperidyl benzhydryl ethers. 2,974,146, 3–7–61, Cl. 260—294.7.

Biel, John H., to Lakeside Laboratories, Inc. Process of producing phenylalkylhydrazines. 2,978,461, 4–4–61, Cl. 260—340.5.

Biel, John H., to Lakeside Laboratories, Inc. 4-hydroxyalkylpiperazinoalkyl glycolates. 2,993,900, 7–25–61, Cl. 260—268.

Biel, John H., to Lakeside Laboratories, Inc. Piperidine derivatives with psychotogenic activity. 2,995,492, 8–8–61, Cl. 167—65.

Biel, John H., to Lakeside Laboratories, Inc. Substituted glycolic acid esters of 1,4-bis-(hydroxyalkyl)-piperazines. 2,995,554, 8–8–61, Cl. 260—268.

Biel, John H., to Lakeside Laboratories, Inc. Acetates of 3-piperidinol. 2,995,560, 8–8–61, Cl. 260—294.3.

Biel, John H., to Lakeside Laboratories, Inc. Acetylenic diols and derivatives thereof. 2,998,444, 8–29–61, Cl. 260—482.

Biel, John H., to Lakeside Laboratories, Inc. Phenylalkylhydrazines and use as psychotherapeutics. 3,000,903, 9–19–61, Cl. 260—340.5.

Bieler, Walter T., ½ to W. C. Wilson. Vehicle working means. 2,966,962, 1–3–61, Cl. 184—106.

Bielfeldt, Heinz: *See*—
Diesfeld, Franz, and Bielfeldt. 2,996,913.

Biello, Stephen J., and F. J. Wilson, to Sealol Corp. Check valve. 2,994,340, 8–1–61, Cl. 137—516.29.

Bielski, Alex J.: *See*—
Kaspar, Josef, and Bielski. 2,970,747.

Biemiller, Philip E.: *See*—
Van Horn, John A., and Biemiller. 2,976,435.
Van Horn, John A., and Biemiller. 3,010,037.

Biemiller, Philip E., and J. H. Reese, to Hamilton Watch Co. Electric wrist watch. 2,972,745, 2–21–61, Cl. 58—28.

Biemiller, Philip E., and K. H. Schoenrock, to Hamilton Watch Co. Indexing mechanism. 2,977,750, 4–4–61, Cl. 58—28.

Bien, Edward: *See*—
Baumstein, Lee, and Bien. 2,992,316.

Bien, Jack M. Head and back rest. 2,990,008, 6–27–61, Cl. 155—177.

Bien, Paul Robert, Foundation: *See*—
Bien, Saul M. 2,971,258.

Bien, Saul M., to Paul Robert Bien Foundation, Orthodontic appliance. 2,971,258, 2–14–61, Cl. 32—14.

Bienert, Berthold K.: *See*—
Bienert, Berthold, Brieg, and Groll. 3,013,006.

Bienert, Berthold, deceased (by H. Bienert, H. D. Prochaska, and B. K. Bienert, heirs), K. Brieg, and M. Groll, to Farbenfabriken Bayer Aktiengesellschaft. Water-insoluble azophthalocyanine dyestuffs and process for their production. 3,013,006, 12–12–61, Cl. 260—147.

Bienert, Hildegard: *See*—
Bienert, Berthold, Breig, and Groll. 3,013,006.

Bienstock, Daniel, and J. H. Field, to United States of America, Interior. Process for the removal of sulfur oxides from gases. 2,992,884, 7–18–61, Cl. 23—2.

Bier, Alexander. Anti-skid brake control. 2,997,135, 8–22–61, Cl. 188—2.

Bier, Gerhard: *See*—
Kirschner, Hans G., Gumboldt, and Bier. 3,002,961.

Bierer, John M., to American Biltrite Rubber Co., Inc. Machine for continuously curing elastomeric material in sheet form. 2,971,218, 2–14–61, Cl. 18—6.

Bierke, Svante, and M. Mautner, to Aktiebolaget Separator. Method for hydrolysis of starch. 2,989,425, 6–20–61, Cl. 127—38.

Bierman, Clarence R., and L. E. Hoag, to American Can Co. Venting container and method of making same. 2,986,319, 5–30–61, Cl. 229—5.6.

Bierman, Harry C.: *See*—
Barsky, George, and Bierman. 3,000,759.

Bierman, Raymond C., to Motorola, Inc. Drive for tape recorder. 2,978,198, 4–4–61, Cl. 242—55.12.

Biermann, David, to Hartzell Propeller, Inc. Constant speed and feathering propeller. Re. 25,096, 12–19–61, Cl. 170—160.32.

Biermann, David. Fluid mixing valve. 2,983,279, 5–9–61, Cl. 137—100.

Biermann, David, to Hartzell Propeller, Inc. Adjustable pitch propeller. 2,986,222, 5–30–61, Cl. 170—160.2.

Biermann, David, to Hertzell Propeller, Inc. Adjustable pitch propeller. 2,992,688, 7–18–61, Cl. 170—160.32.

Biermann, David, to Hartzell Propeller, Inc. Propeller utilizing fracture bearing. 2,997,111, 8–22–61, Cl. 170—160.58.

Biermeier, Hans, to Agfa Aktiengesellschaft. Closure assembly for viewfinders of reflex cameras. 3,007,386, 11–7–61, Cl. 95—47.

Bierwagen, Otto T.: *See*—
Scherer, George F., and Bierwagen. 2,979,457.

Bierwirth, Henry C., and N. L. Rutgers, to Lennox Industries, Inc. Air distribution system for heating, cooling and ventilating. 2,977,870, 4–4–61, Cl. 98—40.

Bierwirth, Henry C., and N. L. Rutgers, to Lennox Industries, Inc. Hammock filter. 3,001,606, 9–26–61, Cl. 183—49.

Bierwirth, Henry C., and N. L. Rutgers, to Lennox Industries, Inc. Air processing unit for heating, cooling and ventilating. 3,009,408, 11–21–61, Cl. 98—38.

Bierwirth, Henry C., and N. L. Rutgers, to Lennox Industries, Inc. Thermostat and control circuit for heating, air conditioning and ventilating system. 3,014,704, 12–26–61, Cl. 257—287.

Biesecker, Donald L., and D. C. Hamman, to Illinois Tool Works. Carrier and carrier package. 2,994,426, 8–1–61, Cl. 206—65.

Big Boy Mfg. Co., a division of Seidel-Huber Steel Rolling Mill Corp.: *See*—
Persinger, Laverne O., and Dahlhauser. 2,983,218.
Persinger, Laverne O. and M. L. 2,996,597.

Bigelow, Bertha: *See*—
Bigelow, Merle E. 2,979,854.

Bigelow, Charles G., A. J. Whitcomb, and A. J. Karsten, to Koppers Co., Inc. Stove system for blast furnaces. 2,978,219, 4–4–61, Cl. 251—81.

Bigelow, Charles G., and J. T. Kennedy, to American Machine & Foundry Co. Slot liner for dynamo electric machines. 2,985,780, 5–23–61, Cl. 310—215.

Bigelow, Edward J.: *See*—
Antoniades, Arthur J., and Bigelow. 2,976,066.

Bigelow, Harry K., to West Realty, Inc. Apparatus for cleaning brake shoes or the like. 3,007,285, 11–7–61, Cl. 51—13.

Bigelow, Herbert L., to Baker Oil Tools, Inc. Retrievable plug. 2,999,545, 9–12–61, Cl. 166—153.

Bigelow, John E., to General Electric Co. Duo-switch gate circuit operable with positive or negative pulses. 3,001,139, 9–19–61, Cl. 328—101.

Bigelow, John E., R. A. Arrison, Jr., and S. Bernstein, to General Electric Co. Radiation gauge. 2,983,819, 5–9–61, Cl. 250—83.6.

Bigelow, Merle E., deceased, by B. Bigelow, administratrix. Animal traps. 2,979,854, 4–18–61, Cl. 43—90.

Bigelow-Sanford, Inc.: *See*—
Jackson, Robert J., and R. J. Carrigan. 3,009,485.
Mueller, Helmut C. 3,009,247.
Tillett, Mary V. and G. H. 2,984,540.

Biggle, Laurence C., to General Controls Co. Adjustment mechanism for valves. 2,987,309, 6–6–61, Cl. 267—1.

Biggle, Laurence C., to General Controls Co. Gas-fueled thermo-electric generator. 3,002,554, 10–3–61, Cl. 158—130

Biggs, Robert W., to The S. K. Wellman Co. Brake block. 2,970,675, 2–7–61, Cl. 188—251.

Biggs, William A., Jr., and J. D. Robertson, to Sonoco Products Co. Method for integrating sodium based sulfite and sulfate pulping processes. 2,974,081, 3–7–61, Cl. 162—33.

Bigland, Bernard K., and R. F. Garner, to General Engineering Co. (Radcliffe) Ltd. Automatic coiling machines. 2,979,275, 4–11–61, Cl. 242—25.

Bigler, Russell T.: *See*—
Hay, Frederick W., and Bigler. 2,992,490.

Bignon, Lucien C. A. M. Windscreen wiper arms. 3,011,200, 12–5–61, Cl. 15—250.34.

Bigot, Bernard: *See*—
Moyrand, Jean, and Bigot. 2,978,313.

Bigowsky, John M.: *See*—
Riley, Joseph J., Dethier, and Bigowsky. 3,010,049.

Bihlmaier, Oskar, to Voigtlander A.G. Photographic camera. 3,002,436, 10–3–61, Cl. 95—10.

Bijloo, Johan D.: *See*—
Overeem, Jan C., and Bijloo. 2,986,493.

Bikofsky, Henry L.: *See*—
Bashour, Joseph T., Bikofsky, and Halmsohn. 2,974,009.

Bild, Charles F., to United States of America, Navy. Arming locking device for a fuze. 2,969,737, 1–31–61, Cl. 102—70.

Bilde, Tord E. D., to Aktiebolaget Elektrolux. Apparatus for washing clothes. 2,993,354, 7–25–61, Cl. 68—12.

Bilger, Xavier, to Compagnie Francaise des Matieres Colorantes. Process for the production of phosphorus compounds and their use in fire-proofing. 3,012,908, 12–12–61, Cl. 117—137.

Bilibok, Dezso. Adjustable pattern projecting machine. 2,973,688, 3–7–61, Cl. 88—24.

Bill Jack Scientific Instrument Co.: *See*—
Heisig, Henry P., and Price. 2,980,914.
McIlwraith, Charles G., Breazeale, and Dacus. 2,981,111.

Bill, John C., to United States Rubber Co. Ester-interchange catalysts. 3,012,049, 12–5–61, Cl. 260—410.9.

Billard, Alexandre, to Societe d'Exploitation des Materiels Hispano-Suiza. Methods of preparing compressed explosive charges. 3,009,386, 11–21–61, Cl. 86—20.

Bille, Heinz: *See*—
Reppe, Walter, von Kutepow, and Bille. 3,014,962.

Billeb, Clyde K.: *See*—
Lasker, Richard, and Billeb. 3,006,800.

Billen, Peter: *See*—
Robra, Helmut, Billen, and Arenz. 2,994,303.
Robra, Helmut, Billen, and Arenz. 3,010,432.

Billen, Peter, and W. Linnerz, to Schloemann Aktiengesellschaft. Double-billet extrusion press. 2,969,873, 1–31–61, Cl. 207—4.

Biller, Michaelis & Co.: *See*—
Thoma, Matthias. 2,991,311.

Billet, Edward H., to Vari-Typer Corp. Camera apparatus and method of making up printed copy. 2,968,992, 1–24–61, Cl. 88—24.

Billet, Edward H., and B. Raak, to Vari-Typer Corp. Automatic camera apparatus for making up printed copy. 2,969,235, 1–24–61, Cl. 271—43.

Billeter, Henry R., to R. R. Donnelley & Sons Co. Book handling mechanism. 2,984,330, 5–16–61, Cl. 198—20.

Billeter, Henry R., and G. E. Richards, to Liquid Controls Corp. Liquid-level controlled devices. 2,977,972, 4–4–61, Cl. 137—202.

Billeter, Jean-Rene: *See*—
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,986,567.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,903.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,904.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Wieland, Schmidlin, and Billeter. 2,994,694.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Wieland, Schmidlin, and Billeter. 3,000,882.

Billetter, Halton A., and W. W. Stevens, to The McKay Machine Co. Coil peeler. 2,980,360, 4–18–61, Cl. 242—78.8.

Billi, Giorgio, to Singer-Fidelity, Inc. Double feed apparatus for circular hosiery machine to produce plain and tuck stitches. 3,004,414, 10–17–61, Cl. 66—50.

Billian, Carroll J.: *See*—
Bacon, Frank R., and Billian. 2,974,052.

Billiani, Eugen, to Henfwerke Fussen-Immenstadt Aktiengesellschaft. Apparatus for the mechanical tying of twine, cord and the like. 3,006,271, 10–31–61, Cl. 100—29.

Billig, Lewis S., and B. T. Newman, to General Electronic Laboratories, Inc. Signal and noise level determining apparatus. 2,988,693, 6–13–61, Cl. 324—57.

Billig, Lewis S., K. C. Perkins, and J. K. Watson, to General Electronics Laboratories, Inc. Frequency shift keyed signal converter. 3,011,023, 11–28–61, Cl. 178—88.

Billing, Heinz, and W. Hopmann, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Arrangement for controlling in calculating machines, office machines and the like. 2,996,700, 8–15–61, Cl. 340—174.

Billing, Henry J., to Metalastik Ltd. Spring assemblies. 2,973,951, 3–7–61, Cl. 267—30.

Billinghurst, Robert J.: *See*—
Himick, Afton A., Billinghurst, and Haddock. 2,967,391.

Billings, Charles K.: *See*—
Sisson, Kenneth O., and Billings. 2,976,710.

Billings, Harry P. Apparatus for forming bundles of tobacco leaves. 3,014,487, 12–26–61, Cl. 131—149.

Billings, William W., to Westinghouse Electric Corp. Counter circuit. 3,010,096, 11–21–61, Cl. 340—174.

Billingsley, Leonard, 50% to Robert L. Waterson. Boat stirrup. 2,975,858, 3–21–61, Cl. 182—196.

Billingsley, Robert W. Body coat stays. 2,967,647, 1–10–61, Cl. 223—71.

Billington, Elmer: *See*—
Foelster, Richard, and Billington. 2,988,385.

Billman, Carl A. Boring bar. 3,005,365, 10–24–61, Cl. 77—58.

Billman, Louis S.: *See*—
King, Charles H., Jr., and Billman. 2,995,896.

Billmeier, Robert A., and J. F. McHale, to Socony Mobil Oil Co., Inc. Chemical cleaning of oil heating systems. 3,007,781, 11–7–61, Cl. 44—56.

Billner, Karl P., to Vacuum Concrete Corp. of America. Molding apparatus. 2,966,713, 1–3–61, Cl. 25—30.

Billotti, Paul. Dual metronome. 2,995,055, 8–8–61, Cl. 84—470.

Billotti, Paul. Electrical dual metronome. 2,995,056, 8–8–61, Cl. 84—470.

Billuris, George, and B. G. Voorhees, to General Electric Co. Method and apparatus for determining the solute content of a solution. 2,997,874, 8–29–61, Cl. 73—61.

Bilotti, Anthony G. Method of promoting release of active ingredients from slab chewing gum and product. 3,011,949, 12–5–61, Cl. 167—82.

Bilton, Samuel W.: *See*—
Dickens, Milton L., and Bilton. 3,008,038.

Biltwell Accessories Proprietary Ltd.: *See*—
Pemberton, Hector M. 3,006,409.

Bily, Peter J., to Chiksan Co. Fluid conveying apparatus. 2,980,150, 4–18–61, Cl. 141—387.

Bilz, Wilhelm, to Siemens-Schuckertwerke Aktiengesellschaft. Reproducing device. 2,989,697, 6–20–61, Cl. 324—83.

Bilz, Wilhelm, to Siemens-Schuckertwerke Aktiengeselischaft. Dual-rate instrument. 2,997,147, 8–22–61, Cl. 192—9.

Bimber, Russell M., to Diamond Alkali Co. Derivatives of thiazolidinones and oxazolidinones and corresponding thiones with alpha-halo oxo compounds and process. 2,973,366, 2–28–61, Cl. 260—306.7.

Bimber, Russell M., to Diamond Alkali Co. Certain haloalkylolamino pyridines. 2,975,186, 3–14–61, Cl. 260—296.

Bimber, Russell M., to Diamond Alkali Co. Certain alpha-haloaldehyde addition products of ethylenethioureas and process. 2,981,739, 4–25–61, Cl. 260—309.6.

Bimber, Russell M., to Diamond Alkali Co. Aminopyrimidines as fungicides. 2,994,637, 8–1–61, Cl. 167—33.

Bimber, Russell M., to Diamond Alkali Co. Chloral derivatives of amino quinoline. 3,000,894, 9–19–61, Cl. 260—288.

Bimber, Russell M., to Diamond Alkali Co. Method for controlling pests. 3,001,860, 9–26–61, Cl. 71—2.5.

Binch, H. & F., Inc.: *See*—
Chapuis, René L. 3,006,170.

Binder Corp. of America, The: *See*—
Smith, Thomas R. 3,009,465.

Binder, Raymond C., to Purdue Research Foundation. Apparatus for suppressing galloping conductors. 2,999,894, 9–12–61, Cl. 174—42.

Binder, Richard, to Fichtel & Sachs A.G. Smoothly operating centrifugal clutch. 2,967,597, 1–10–61, Cl. 192—105.

Binder, Richard, to Fichtel & Sachs A.G. Resilient clutch construction. 2,985,273, 5–23–61, Cl. 192—68.

Binder, Richard, to Fichter & Sachs A.G. Device for accelerating the engagement of clutches. 2,990,041, 6–27–61, Cl. 192—3.5.

Binder, Richard, to Fichtel & Sachs A.G. Centrifugal clutch with roller-type flyweights. 3,006,449, 10–31–61, Cl. 192—105.

Binder, Richard, to Fichtel & Sachs A.G. Apparatus for operating clutches. 3,010,554, 11–28–61, Cl. 192—.077.

Binder, Richard, to Fichtel & Sachs A.G. Clutch-controlled automatic gear shifting mechanism. 3,011,357, 12–5–61, Cl. 74—334.

Binder, Robert: *See*—
Jaentschke, Leopold, and Binder. 2,988,922.

Binder, William O., and C. M. Brown, to Union Carbide Corp. Hardenable stainless steel alloys. 2,990,275, 6–27–61, Cl. 75—126.

Bindler, Jakob: *See*—
Model, Ernst, Bindler, and Zinkernagel. 2,999,047.

Binetti, Giulio, and S. Mangano, to Centro Richerche Metallurgiche. Guard rail for roads. 2,988,332, 6–13–61, Cl. 256—13.1.

Bing, Harold A. Automobile utility bag. 3,014,759, 12–26–61, Cl. 297—191.

Bingaman, Lester B., to Bert Fields. Hydro-pneumatic suspension strut. 3,007,694, 11–7–61, Cl. 267—64.

Bingham, David W. Syruping apparatus for use in the canning of fruit and vegetables. 2,974,691, 3–14–61, Cl. 141—142.

Bingham, David W. Can filling apparatus. 2,998,037, 8–29–61, Cl. 141—143.

Bingham, George H., Jr., to Cambridge Rubber Co. Plastic footwear having contrasting color effects. 2,982,033, 5–2–61, Cl. 36—2.5.

Bingham, George H., Jr., to Cambridge Rubber Co. Overshoe having bellows tongue and slide fastener. 2,986,824, 6–6–61, Cl. 36—7.3.

Bingham, George H., Jr., to Cambridge Rubber Co. Protector for overshoe heels. 2,997,795, 8–29–61, Cl. 36—7.3.

Bingham, George H., Jr., to Cambridge Rubber Co. Ribbed outersole of moldable material. 3,006,085, 10–31–61, Cl. 36—59.

Bingham, George H., Jr., and O. Y. Olsson, to Cambridge Rubber Co. Apparatus for use in making footwear having molded outersoles. 3,009,204, 11–21–61, Cl. 18—34.

Bingham-Herbrand Corp.: *See*—
Hinsey, Robert S. 2,976,744.
Hinsey, Robert S. 2,978,925.
Hinsey, Robert S. 2,978,926.
Hinsey, Robert S. 2,995,047.
Hinsey, Robert S. 3,003,364.
Hinsey, Robert S. 3,008,345.
Hinsey, Robert S. 3,011,361.

Bingham, Hiram, Jr. Recreational rebound net. 2,992,002, 7–11–61, Cl. 273—95.

Bingham, Sidney H. Monorail truck and hanging car. 2,976,818, 3–28–61, Cl. 104—93.

Bingham, Sidney H. Monorail car. 3,001,484, 9–26–61, Cl. 105—145.

Bingham, Sidney H. Asymmetric truck for over-running monorail car. 3,002,467, 10–3–61, Cl. 104—119.

Bingham, Sidney H. Monorail beam and truck design. 3,012,519, 12–12–61, Cl. 104—120.

Bingham, William H. Cable duct installation tool. 2,991,974, 7–11–61, Cl. 254—29.

Binghamton Container Co., Inc.: *See*—
Johnson, Irving B. 2,992,791.

Bingley, Frank J., to Philco Corp. Optical interferometric position indication. 2,972,278, 2–21–61, Cl. 88—14.

Bingley, Frank J., to Philco Corp. Method of manufacturing electrical apparatus. 2,989,398, 6–20–61, Cl. 96—35.

Binkley, Charles H., to United States of America, Agriculture. Shrinkproofing wool with compositions containing a polyester. 2,992,944, 7–18–61, Cl. 117—141.

Binkley Landing Gear Sales Co.: *See*—
McKay, Harry M. 2,977,094.

Binkley Mfg. Co.: *See*—
McKay, Harry M. 3,010,699.

Binks Mfg. Co.: *See*—
Enssle, Bruno E. 2,966,881.
Enssle, Bruno E. 3,013,445.

Binning, Robert C., to Standard Oil Co. Separation of mixtures. 2,981,680, 4–25–61, Cl. 210—23.

Binning, Robert C., to Standard Oil Co. Separating dimethyl butane from methyl pentane. 3,007,851, 11–7–61, Cl. 202—42.

Binning, Robert C., to Standard Oil Co. Separation of dimethyl butane from methyl pentane. 3,007,985, 11–7–61, Cl. 260—683.65.

Binning, Robert C., and W. F. Johnston, Jr., to The American Oil Co. Aromatic separation process. 2,970,106, 1–31–61, Cl. 208—347.

Binning, Robert C., and C. N. Sechrist, to Standard Oil Co. Unleaded motor fuel. 2,985,522, 5–23–61, Cl. 44—70.

Binning, Robert C., J. F. Jennings, and E. C. Martin, to Standard Oil Co. Separation technique through a permeation membrane. 2,985,588, 5–23–61, Cl. 210—23.

Binns, John E.: *See*—
Horn, Frederick L., and Binns. 2,983,145.

Binns Machine Works, Inc.: *See*—
Bemiss, Robert P., Herring, and Stenger. 2,987,237.

Binns, Robert A., to Allied Chemical Corp. Waste segregation spool. 2,970,789, 2–7–61, Cl. 242—125.1.

Bins, Elmer M.: *See*—
Ericson, John A., and Bins. 2,975,520.

Binstock, Martin H., to North American Aviation, Inc. Uranium foil nuclear fuel element. 3,004,906, 10–17–61, Cl. 204—154.2.

Binstock, Martin H., and K. E. Horton, to North American Aviation, Inc. Lead-uranium oxide nuclear fuel element. 2,985,571, 5–23–61, Cl. 204—154.2.

Binter, Frederick C., and E. W. Bridge, Jr.; said Bridge assor. to said Binter. Dispenser for treatment of exhaust gases from internal combustion engines. 2,997,282, 8–22–61, Cl. 261—99.

Biochemical Processes, Inc.: *See*—
Heden, Carl G. 2,995,497.

Bioferm Corp.: *See*—
Sudarsky, Jerry M., and Fisher. 2,984,601.

Biological Research, Inc.: *See*—
Weichselbaum, Edwin G. 3,005,564.

Biondi, Nunzio C., 15% to J. Marino, and 34% to M. J. Harte. Feeding device for baby bottles. 2,984,377, 5–16–61, Cl. 215—11.

Biraben, Henri E., to General Motors Corp. Manually engageable and fluid release centrifugal clutch. 3,003,608, 10–10–61, Cl. 192—83.

Birch, Arthur J., I. S. Nixon, and J. F. Grove, to Imperial Chemical Industries Ltd. Process of producing gibberellic acid. 2,977,285, 3–28–61, Cl. 195—36.

Birch, Herbert M., and D. H. Gattone. Self-contained push button applicator. 2,998,822, 9–5–61, Cl. 132—116.

Birch, John K.: *See*—
Kabrick, Wallace J., and Birch. 2,995,630.

Birch, William R., and W. H. Fanning, 1/10 part to Gadget-of-The-Month Club, Inc. Golf club construction. 2,993,695, 7–25–61, Cl. 273—80.5.

Birchard, Bruce L.: *See*—
Nordsieck, Arnold T. 3,003,356.

Birch-Iensen, Ake H. G.: *See*—
Wiklund, Olof, Wramstedt, Birch-Iensen, and Bjork. 3,005,420.

Birchler, Robert O.: *See*—
Anderson, Paul E., and Birchler. 3,010,577.

Birckhead Corp.: *See*—
Birckhead, Lennox, Jr., and T. A. 2,972,170.

Birckhead, Lennox, Jr., and T. A., to Birckhead Corp. Methyl methacrylate monomer molding process. 2,972,170, 2–21–61, Cl. 18—58.

Birckhead, Taylor A.: *See*—
Birckhead, Lennox, Jr., and T. A. 2,972,170.

Bird, Arnett L.: *See*—
Marshall, Stephen V. T., and Bird. 3,011,212.

Bird Electronic Corp.: *See*—
Bird, James R., and Stevens. 2,973,479.
Calderhead, Henry J., and Waterfield. 3,015,066.

Bird, Frank E., Jr. Shoe guard. 3,006,086, 10–31–61, Cl. 36—72.

Bird, James R., and H. E. Stevens, to Bird Electronic Corp. Branched conductor structure. 2,973,479, 2–28–61, Cl. 324—95.

Bird, John W., Jr., to Haloid Xerox Inc. Apparatus for developing electrostatic images. 2,975,758, 3–21–61, Cl. 118—637.

Bird, Lester F., to Engelhard Hanovia, Inc. Operating circuit for high pressure arc lamps. 2,975,333, 3–14–61, Cl. 315—205.

Bird, Lester F., to Engelhard Hanovia, Inc. Starting and operating circuit for high pressure arc lamps. 2,985,795, 5–23–61, Cl. 315—174.

Bird, Lester F., to Engelhard Hanovia, Inc. Automatic voltage regulating circuit. 2,985,817, 5–23–61, Cl. 323—56.

Bird Machine Co.: *See*—
Cannon, Madison M., Dick, and Salomon. 2,975,899.
Carvill, Richard E. 3,001,296.
Roos, John T. 2,997,068.
Smith, Richmond W. 2,972,767.

Bird, Raymond, to International Computers and Tabulators Ltd. Data translating apparatus. 2,970,765, 2–7–61, Cl. 235—155.

Bird, Raymond, to International Computers and Tabulators Ltd. Electronic digital calculating equipment. 3,001,707, 9–26–61, Cl. 235—155.

Bird, Raymond, and P. Wood, to International Computers and Tabulators Ltd. Electronic divider. 3,000,563, 9–19–61, Cl. 235—167.

Bird & Son, Inc.: *See*—
Crawford, Earl A. 3,007,404.
Sallie, Stanley H. 3,014,812.

Bird, Walter W., to Birdair Structures, Inc. Air inflated structure and control. 2,990,836, 7–4–61, Cl. 135—1.

Bird, William H., to Johnson and Johnson. Bandages. 3,005,454, 10–24–61, Cl. 128—171.

Birdair Structures, Inc.: *See*—
Bird, Walter W. 2,990,836.

Birdsall, Charles K., and C. C. Johnson, to General Electric Co. High frequency energy interchange device. 2,976,454, 3–21–61, Cl. 315—3.5.

Birdsall, Charles K., and W. A. Harman, to General Electric Co. High-frequency energy interchange device. 2,976,455, 3–21–61, Cl. 315—3.6.

Birdsall, Charles K., and C. C. Johnson, to General Electric Co. High frequency energy interchange device. 2,976,456, 3–21–61, Cl. 315—3.6.

Birdsall, Charles K., and G. R. Brewer, to Hughes Aircraft Co. Traveling-wave tube. 2,985,793, 5–23–61, Cl. 315—3.6.

Birdsall, Clarence E. Propelling and steering device for watercraft. 2,979,018, 4–11–61, Cl. 115—29.

Birdsboro Corp.: *See*—
Peterson, Edward C., and Updegrave. 2,981,300.

Birfield Engineering Ltd.: *See*—
Bastow, Donald, and Rabson. 3,008,310.
Rabson, Edward J. 2,992,547.

Birkbeck, Guy, and I. G. O. Brown, to North American Philips Co., Inc. Counterbalancing means. 2,972,264, 2–21–61, Cl. 74—592.

Birkel, George, Jr.: *See*—
Williams, La Vergne E., and Birkel. 2,991,339.

Birkenbach, Eugene J.: *See*—
Johnson, Robert A., and Birkenbach. 2,990,021.

Birkenbach, Eugene J., and J. J. Frelichowski, to International Harvester Co. Locking device for adjusting arm of harrow shock absorbing device. 2,979,139, 4–11–61, Cl. 172—635.

Birkenbach, Eugene J., and J. E. Morgan, to International Harvester Co. Harrow with shock absorber device. 2,998,855, 9–5–61, Cl. 172—635.

Birkenes, Bernhard, to Motorola, Inc. Radio receiver circuit. 2,999,927, 9–12–61, Cl. 250—20.

Birkenmeyer, Robert D.: *See*—
Kagan, Fred, and Birkenmeyer. 2,995,576.

Birkenmeyer, Robert D., D. Lednicer, F. Kagan, and B. J. Magerlein, to The Upjohn Co. 17-isonitrose-3-aminoethers of the androstane series. 3,000,910, 9–19–61, Cl. 260—397.

Birkhimer, Edwin R., to The Atlantic Refining Co. Stabilization of aqueous colloidal solutions of silica. 2,978,419, 4–4–61, Cl. 252—313.

Birkholz, Ulrich: *See*—
Hanlein, Walter, and Birkholz. 2,978,570.

Birkigt, Louis, to Brevets Aero-Mecaniques S.A. Spinning machine frame. 2,993,331, 7–25–61, Cl. 57—1.

Birkland, Stellan, to American Can Co. Can testing head. 2,968,178, 1–17–61, Cl. 73—40.

Birkness, Harald A., to Standard Oil Co. Conductometric corrosion test probe with replaceable test specimen components. 2,993,366, 7–25–61. Cl. 73—86.

Birleson, Stanley R., H. H. Campbell, and H. R. Dobb, to The Kaydon Engineering Corp. Control system for grinding machines. 2,979,869, 4–18–61, Cl. 51—165.

Birmann, Rudolph, to De Laval Steam Turbine Co. Turbocharging of internal combustion engines. 2,968,914, 1–24–61, Cl. 60—13.

Birmingham Small Arms Co. Ltd., The: *See*—
Gordon, Norman W., and White. 3,007,794.
Harris, Geoffrey T., and Child. 2,985,529.
Hodges, Lewis A. 3,002,272.
Jordison, Fred. 2,977,800.

Birmingham Sound Reproducers Ltd.: *See*—
Guest, Lawrence V. 2,977,815.
Guest, Lawrence V. 2,984,492.
Guest, Lawrence V. 3,000,637.

Birney, Arthur A., E. B. Prettyman, Jr., D. H. Semmes, and D. J. Swartz. Table mat. 2,983,069, 5–9–61, Cl. 45—68.4.

Birnkrant, Cecil H., to Birnkrant Frozen Confection Co. Method of manufacturing an edible food container. 2,968,561, 1–17–61, Cl. 99—89

Birnkrant Frozen Confection Co.: *See*—
Birnkrant, Cecil H. 2,968,561.

Biro, Edward W., and J. L. Petz. Dial indicators. 2,977,685, 4–4–61, Cl. 33—172.

Birr, Rudolph G., to Steiner American Corp. Paper roll slotting machine. 2,983,200, 5–9–61, Cl. 90—21.

Birrell, James G. Fishing float. 2,975,541, 3–21–61, Cl. 43—43.15.

Birsten, Oscar G.: *See*—
Boyle, Richard J., Birsten, and Mosby. 2,970,146.
Rosin, Jacob, and Birsten. 2,970,166.

Birt, Stanley, to Gandy Ltd. Conveyor belts. 2,998,031, 8–29–61, Cl. 139—410.

Birtch, Fred E., and B. H. Johnson, to Michigan Tool Co. Apparatus for grinding double-enveloping worm elements. 2,978,843, 4–11–61, Cl. 51—33.

Birtcher Corp., The: *See*—
Weller, Robert A. 2,969,417.

Birtwell, Stanley, W. G. M. Jones, and R. F. Maisey, to Imperial Chemical Industries Ltd. Pyridine ketone derivatives of certain amino guanidines and process. 2,978,456, 4–4–61, Cl. 260—296.

Birum, Gail H.: *See*—
Dever, James L., and Birum. 2,993,066.
Grisley, Daniel W., Jr., Birum, and Heininger. 3,005,008.
Heininger, Samuel A., and Birum. 2,993,037.
Heininger, Samuel A., and Birum. 2,993,075.

Birum, Gail H., to Monsanto Chemical Co. Nitrogenous organic compounds of phosphorus. 3,014,910, 12–26–61, Cl. 260—293.

Birum, Gail H., to Monsanto Chemical Co. Process of preparing organic phosphorus compounds. 3,014,944, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Triphosphinyl phosphites. 3,014,945, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Phosphinyl diesters of aromatic phosphites. 3,014,946, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Phosphinyl diesters of phosphonites. 3,014,947, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Cyclic esters of phosphorus compounds. 3,014,948, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Aromatic difunctional phosphorus esters. 3,014,950, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Phosphite-phosphonates. 3,014,951, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Polyphosphorus esters and method of preparing same. 3,014,954, 12–26–61, Cl. 260—461.

Birum, Gail H., to Monsanto Chemical Co. Pentavalent phosphorus esters. 3,014,956, 12–26–61, Cl. 260—461.

Birum, Gail H., and J. L. Dever, to Monsanto Chemical Co. Carboxy phosphates. 2,980,722, 4–18–61, Cl. 260—461.

Birum, Gail H., and S. A. Heininger, to Monsanto Chemical Co. Toxic arylsulfinyl alkenenitriles. 3,000,927, 9–19–61, Cl. 260—465.

Birum, Gail H., and J. L. Dever, to Monsanto Chemical Co. Oxo phosphates, phosphonates and phosphinates. 3,014,949, 12–26–61, Cl. 260—461.

Birum, Gail H., and J. L. Dever, to Monsanto Chemical Co. Organic compounds of boron and phosphorus. 3,014,952, 12–26–61, Cl. 260—461.

Birum, Gail H., and J. L. Dever, to Monsanto Chemical Co. Method of preparing phosphorus esters. 3,014,953, 12–26–61, Cl. 260—461.

Birum, Herbert L., Jr.: *See*—
Hammitt, Andrew B., and Birum. 3,008,368.
Hammitt, Andrew B., and Birum. 3,013,642.

Bisbee, Charles B., to Combustion Engineering, Inc. Spacer and guide assembly for superheater and the like. 2,997,069, 8–22–61, Cl. 138—114.

Bisbing, Robert H., and J. K. Barry, to South Chester Corp. Module board fastener. 2,993,187, 7–18–61, Cl. 339—17.

Bischoff, Günther. Papermaker's screen with a wavy longitudinal shape and edges longer than the center portion thereof. 2,969,581, 1–31–61, Cl. 28—78.

Bischoff, Kurt: *See*—
Schwesig, Heinz, and Bischoff. 2,999,970.

Bischoff, Leopold, to Fa. Maschinenfabrik Zuckermann Komm. Ges. Wien. Duplicating milling machine for wood. 2,979,088, 4–11–61, Cl. 142—7.

Bischoff, Waldemar O., to American Bosch Arma Corp. Fuel injection pump. 2,988,999, 6–20–61, Cl. 103—2.

Bischoff, Waldemar O., to American Bosch Arma Corp. Fuel injection apparatus. 3,000,369, 9–19–61, Cl. 123—139.

Bischoff, Waldemar O., to American Bosch Arma Corp. Fuel injection pump. 3,011,490, 12–5–61, Cl. 123—139.

Biser, David: *See*—
Rizzo, Samuel, and Biser. 2,981,929.

Bishman Mfg. Co.: *See*—
Bishman, Walter A. 2,989,116.

Bishman, Walter A., to Bishman Mfg. Co. Tire changing tool. 2,989,116, 6–20–61, Cl. 157—1.24.

Bishop, Alfred E., and L. J. Novak, to The Commonwealth Engineering Co. of Ohio. Process for preparing dextran phosphates. 2,970,141, 1–31–61, Cl. 260—234.

Bishop, Arthur E. Variable ratio power steering gear. 2,973,658, 3–7–61, Cl. 74—388.

Bishop, Arthur E. Double roller hourglass steering gear. 2,975,652, 3–21–61, Cl. 74—500.

Bishop, Arthur E. High pressure radial piston pump. 2,977,891, 4–4–61, Cl. 103—161.

Bishop, Basil T. G., to D. Napier & Son Ltd. Turbine blade rings and methods of assembly. 3,000,612, 9–19–61, Cl. 253—77.

Bishop, Carrie E. Window draft controller. 2,975,697, 3–21–61, Cl. 98—99.5.

Bishop, Charles F., and O. P. Cohen, to Monsanto Chemical Co. Paper sized with nitreous salt of maleic anhydride-styrene copolymer and epoxy resin mixture. 3,002,860, 10–3–61, Cl. 117—155.

Bishop, Claude R.: *See*—
Perkins, Roger A., and Bishop. 2,992,917.

Bishop Co., The: *See*—
Baer, John D. 2,997,917.

Bishop, Dudley O., and G. S. Brosan. Transmission mechanisms and the like. 2,979,630, 4–11–61, Cl. 310—102.

Bishop, Harold A. Method and machine for making cellular structures. 2,992,673, 7–18–61, Cl. 154—1.6.

Bishop, Harold P. Slotted outlet fixture for wall-installed vacuum cleaning systems. 2,990,562, 7–4–61, Cl. 15—310.

Bishop Hazel Inc.: *See*—
Doblin, Jay. 3,002,611.

Bishop, John R.: *See*—
McLane, Stanley R., Bishop, and Raman. 3,014,063.

Bishop, Leonard J., P. Klamp, and R. Krammer, to Mechanical Handling Systems, Inc. Entrance switch mechanism for overhead conveyor. 2,982,227, 5–2–61, Cl. 104—96.

Bishop, Leonard J., and E. S. Gottschalk, to Mechanical Handling Systems, Inc. Overhead truck pusher and dispatch systems. 2,982,228, 5–2–61, Cl. 104—172.

Bishop, Leonard L.: *See*—
Perkins, Forrest G. 3,002,061.

Bishop, Richard B., and J. S. Pavlin, to Foster Grant Co., Inc. Method of blending polystyrene and wax. 2,979,476, 4–11–61, Cl. 260—28.5.

Bishop, Ronald F., and S. Little, to Whessoe Ltd. Load supporting means. 2,979,221, 4–11–61, Cl. 220—15.

Bishop, Roy L., Jr. Built-in butcher block for kitchen cabinet counters and like installations. 3,011,849, 12–5–61, Cl. 312—140.4.

Bishop, William H., and H. Golde. Electrically operated slidable closure. 2,985,483, 5–23–61, Cl. 296—105.

Bishop, William T., to Hercules Powder Co. Froth flotation process. 2,987,183, 6–6–61, Cl. 209—166.

Biskup, John, S. Johnson, and P. C. Wetterau, to Congoleum-Nairn Inc. Process for producing decorative surface covering. 2,983,622, 5–9–61, Cl. 117—15.

Bissel Carpet Sweeper Co.: *See*—
Sohle, Bernard E., and Yonkers. 2,986,755.

Bissell Inc.: *See*—
Lathrop, Henry T. 3,003,170.
Liddell, Robert E., Kuypers, and Yonkers. 2,975,449.
Yonkers, Robert A., and Lathrop. 2,975,462.
Yonkers, Robert A., and Lathrop. 2,976,112.
Yonkers, Robert A., and Lathrop. 2,976,559.

Bissinger, William E., and J. A. Tursich, to Pittsburgh Plate Glass Co. N-chlorinated dicarbamates of dihydric alcohols. 2,987,541, 6–6–61, Cl. 260—482.

Bissonette, Alfred J., and F. J. Kramer, Jr., to The Baldwin Piano Co. Electronic musical instrument. 2,986,964, 6–6–61, Cl. 84—1.26.

Bissot, Thomas C.: *See*—
Baker, Melvin C., Bissot, and Rowbottom. 2,980,630.

Bithell, Sidney R., Jr., to Rockwell Mfg. Co. Stuffing box. 2,997,877, 8–29–61, Cl. 73—272.

Bither, Tom A., Jr., to E. I. du Pont de Nemours and Co. Ternary selenides and tellurides of silver and antimony and their preparation. 3,008,797, 11–14–61, Cl. 23—14.

Bitner, Forrest G., and H. Silk, to United States of America, Navy. Seal. 2,974,593, 3–14–61, Cl. 102—49.

Bitonte, Joseph L.: *See*—
Montgomery, Earle T., Welch, and Bitonte. 2,991,191.

Bittenfield, Morris. Spotting composition. 2,980,621, 4–18–61, Cl. 252—97.

Bitter, Francis: *See*—
Gungle, Warren C., Waymouth, and Bitter. 3,013,169.

Bitter, Irwin S.: *See*—
Webber, Thomas J., and Bitter. 2,986,749.

Bitterli, Peter, and J. Guenthard, to Sandoz Ltd. Blue disperse-dyestuffs of the anthraquinone series. 2,967,753, 1–10–61, Cl. 8—25.

Bitterli, Peter, and J. Günthard, to Sandoz A.G. Disperse dyestuffs of the anthraquinone series. 2,967,754, 1–10–61, Cl. 8—26.

Bitterlin, Otto, and W. Bossard, to J. R. Geigy, A.-G. Copper-containing trisazo dyestuffs. 2,982,764, 5–2–61, Cl. 260—145.

Bitterman, Leo L., and J. Roszman; said Roszman assor. to said Bitterman. Side loading trailer. 2,974,996, 3–14–61, Cl. 296—24.

Bitting, Jesse L. Differential pressure cargo and luggage container. 3,000,418, 9–19–61, Cl. 150—52.

Bitting, Russell D., K. E. Jackson, and L. J. Nowacki, to Esso Research and Engineering Co. Emulsifying polymer oils. 2,976,163, 3–21–61, Cl. 106—141.

Bittle, Harold G.: *See*—
Kapalko, Erwin J., and Bittle. 3,011,993.

Bittman, Jess C., to The Vaughn Machinery Co. Draw block for wire drawing and packaging machines. 3,013,741, 12–19–61, Cl. 242—82.

Bittman, Jess C., to The Vaughn Machinery Co. Wire packaging machine and method. 3,013,742, 12–19–61, Cl. 242—83.

Bittner, Burt J., to Gulton Industries, Inc. Construction of paraboloid surfaces. 3,010,153, 11–28–61, Cl. 18—26.

Bittner, Franz. Shuttering system for cast concrete walls. 2,989,794, 6–27–61, Cl. 25—131.

Bittrolff, August J. Thermostat light. 3,009,051, 11–14–61, Cl. 240—2.1.

Bituminous Coal Research, Inc.: *See*—
Kock, Paul O. 3,005,446.
Tieman, John W., and Garvey. 2,992,637.
Yellott, John I., and Broadley. 2,973,057.
Yellott, John I., and Broadley. 2,981,369.

Bitzer, Martin: *See*—
Olshei, John R., and Bitzer. 2,988,890.
Olshei, John R., Horton, Bitzer, and Cavanaugh. 2,987,747.
Riester, William C., and Bitzer. 3,005,445.

Bivens, Lucienne J.: *See*—
Bivens, Maurice E., and Sinclair. 2,975,338.

Bivens, Maurice E., deceased (L. J. Bivens, administratrix), and C. Sinclair, to General Electric Co. Cold cathode counting tube sequence control system. 2,975,338, 3–14–61, Cl. 317—149.

Bix Co.: *See*—
Bixby, Leon C. 3,012,766.

Bixby, Harold W., to Northrop Corp. Radial cell decelerator. 2,973,172, 2–28–61, Cl. 244—138.

Bixby, Kenneth R. Window cornice. 2,998,062, 8–29–61, Cl. 160—39.

Bixby, Leo A., and C. C. Bartell; said Bixby assor. to Rockwell-Standard Corp. Suspension for tandem axle assembly. 2,999,695, 9–12–61, Cl. 280—104.5.

Bixby, Leon C. Screen. 2,967,620, 1–10–61, Cl. 209—395.

Bixby, Leon C. Heat treating basket. 2,979,323, 4–11–61, Cl. 263—47.

Bixby, Leon C. Shot peening basket. 2,984,948, 5–23–61, Cl. 51—13.

Bixby, Leon C., to Bix Co. Heat treating basket. 3,012,766, 12–12–61, Cl. 263—47.

Bixby, William E., to Haloid Xerox Inc. Xerographic plate and a process of copy-making. 2,970,906, 2–7–61, Cl. 96—1.

Bixby, William E., to Xerox Corp. Process of developing electrostatic images and composition therefor. 3,013,890, 12–19–61, Cl. 117—17.5.

Bixby, William H., to International Business Machines Corp. Current supply apparatus. 2,994,029, 7–25–61, Cl. 323—9.

Bixler, John R., and R. L. Howell, to The Black and Decker Mfg. Co. Cooling means for portable electric tool. 3,003,073, 10–3–61, Cl. 310—59.

Bjalme, Bengt G., to Reed Mfg. Co. Work gripping and rotating chuck with work support means. 2,996,737, 8–22–61, Cl. 10—107.

Bjalme, Bengt G., to Reed Mfg. Co. Pipe lifting tool. 2,997,327, 8–22–61, Cl. 294—92.

Bjalme, Bengt G., to Reed Mfg. Co. Power driven pipe machine. 3,012,792, 12–12–61, Cl. 279—114.

Bjering, Olav, to Owens-Illinois Glass Co. Container closing apparatus. 2,968,900, 1–24–61, Cl. 53—112.

Bjering, Olav, and A. F. Trendel, to Owens-Illinois Glass Co. Bottle holder. 2,987,313, 6–6–61, Cl. 269—153.

Bjerkan, Arthur J.: *See*—
Sorensen, Knud B., Bjerkan, and Sanderson. 3,005,426.

Bjoeraanesset, Harald: *See*—
Moklebust, Olav, and Bjoeraanesset. 2,980,508.

Bjoranesset, Harald: *See*—
Moklebust, Olav, Olavesen, and Bjoranesset. 2,990,250.

Bjork, Gerhard: *See*—
Wiklund, Olof, Wramstedt, Birch-Iensen, and Bjork. 3,005,420.

Bjorklund, Gustaf E.: *See*—
Eriksson, Rolf, and Bjorklund. 3,007,450.

Bjorklund, Ivan S., to Shell Oil Co. Centrifugal separators. 2,986,278, 5–30–61, Cl. 209—144.

Bjorkman, Carl C.: *See*—
Duba, George A. 2,976,751.
Duba, George A. 2,976,752.

Bjorksten, Johan. Process for forming a perforated thermoplastic sheet. 2,994,108, 8–1–61, Cl. 18—47.5.

Bjorksten, Johan A.: *See*—
Fiedler, Stuart O., Bjorksten, and W. S. Fiedler. 2,974,034.
Fiedler, Stuart O., Bjorksten, and W. S. Fiedler. 2,979,392.

Bjorksten Research Laboratories, Inc.: *See*—
Cox, Robert P. 2,976,197.
Cox, Robert P. 3,004,956.
Cox, Robert P., and Guenther. 2,983,719.
Drummond, Warren W. 2,971,095.
Lapala, Risto P., and Rennat. 3,006,818.
Marty, Wilbert H., and Diehl. 2,985,222.
Sinner, Woodrow E. 2,982,884.

Bjorn, Thomas E.: *See*—
Allen, Arthur C., Bjorn, and Sadoff. 2,991,395.

Bjorncrantz, Carl G., to Sears, Roebuck and Co. Versatile structural unit. 2,986,283, 5–30–61, Cl. 211—134.

Blachly, Donald L., to John Oster Mfg. Co. Readily separable torque transmitting coupling. 2,992,715, 7–18–61, Cl. 192—67.

Black, A. L., to F. J. Perrotta. Reinforced shoes. 2,990,628, 7–4–61, Cl. 36—58.5.

Black, Clarence D., to Injection Molding Co. Silk screen printing apparatus improvement. 2,971,629, 2–14–61, Cl. 198—24.

Black-Clawson Co., The: *See*—
Baxter, Joseph, Jr. 2,969,114.
Baxter, Joseph, Jr. 2,976,924.
Baxter, Joseph, Jr. 2,986,434.
Baxter, Joseph, Jr. 2,995,310.
Baxter, Joseph, Jr. 3,005,746.
Martindale, James H. 3,009,656.
White, William A., Jr. 2,973,034.
Phelps, Richard W. 2,981,224.

Black, Cline, to Shell Oil Co. Extractive distillation of aromatic compounds. 2,981,661, 4–25–61, Cl. 202—39.5.

Black, Cline, to Shell Oil Co. Extractive distillation of aromatic compounds. 2,981,662, 4–25–61, Cl. 202—39.5.

Black, Cline, to Shell Oil Co. Extractive distillation of aromatic compounds. 2,981,663, 4–25–61, Cl. 202—39.5.

Black and Decker Mfg. Co., The: *See*—
Atkinson, George E. 2,998,830.
Bixler, John R., and Howell. 3,003,073.
McCarty, George W. 2,996,089.
Riley, Robert H., Jr., and Short. 2,995,960.

Black, Frank D., Jr.: *See*—
Moser, Frank T. 2,978,996.

Black, Herbert H.: *See*—
Frank, Donald G. 3,008,445.

Black, James A. Screen stencilling machine, rotary type. 2,986,995, 6–6–61, Cl. 101—123.

Black, James B., R. W. Meyer, and W. F. Shurts, to Twin Disc Clutch Co. Power transmission. 2,969,131, 1–24–61, Cl. 192—3.2.

Black, James B., M. W. Dundore, and W. F. Shurts, to Twin Disc Clutch Co. Power transmission. 3,002,356, 10–3–61, Cl. 60—54.

Black, James B., and C. R. Hilpert, to Twin Disc Clutch Co. Power transmission. 3,002,593, 10–3–61, Cl. 192—3.2.

Black, James F.: *See*—
Hill, Max W., and Black. 2,976,422.
Hollyday, William C., Jr., and Black. 2,978,395.

Black, James F., to Esso Research and Engineering Co. Radio-sulfochlorination of paraffins. 2,974,094, 3–7–61, Cl. 204—162.

Black, James F. Fireproof fire block. 2,994,114, 8–1–61, Cl. 20—4.

Black, James G., Jr.: *See*—
Knutsen, Wallace N., and Black. 2,977,928.

Black, James J., to Trailmobile Inc. Reversible semi-trailer construction. 2,986,408, 5–30–61, Cl. 280—423.

Black, James J., to Trailmobile Inc. Air spring vehicle suspension system. 3,003,781, 10–10–61, Cl. 280—104.5.

Black, James J., to Trailmobile Inc. Interlocking post construction for rack body. 3,010,755, 11–28–61, Cl. 296—28.

Black, Jan, to Hughes Aircraft Co. Signal seeking receiver. 2,977,467, 3–28–61, Cl. 250—20.

Black, John F. Automobile cooling system testing device. 3,014,361, 12–26–61, Cl. 73—40.

Black, John O., to Hydro-Space Technology Inc. Propulsion system. 3,011,312, 12–5–61, Cl. 60—39.48.

Black, John W., to Pemco Wheel Co. Caster spindle assembly and method of forming same. 2,976,562, 3–28–61, Cl. 16—21.

Black, John W., to Pemco Wheel Co. Caster. 2,987,752, 6–13–61, Cl. 16—44.

Black, John W., to Pemco Wheel Co. Swivelled wheeled dolly with open frame. 2,990,191, 6–27–61, Cl. 280—79.1.

Black, Lloyd V.: *See*—
Jones, Richard W., and Black. 2,967,378.

Black, Lloyd V., and J. B. Moorhead, to Pittsburgh Plate Glass Co. Tempering curved glass sheets. 3,008,272, 11–14–61, Cl. 49—89.

Black, Richard G., to Westinghouse Electric Corp. Electrical components comprising resin cast inside a shell. 3,001,004, 9–19–61, Cl. 174—137.

Black, Sanford R., to General Motors Corp. Balancing apparatus. 2,980,992, 4–25–61, Cl. 29—208.

Black, Sivalls & Bryson, Inc.: *See*—
Coffman, Robert S. 2,980,286.
Erickson, Norris L., and Hansen. 2,987,218.
Goland, Martin. 2,995,036.
Hanssen, Albert J. 2,984,260.
Kindler, Herbert S., and Halsell. 2,975,635.
Worley, Marvin S. 2,996,142.
Worley, Marvin S. 3,001,604.

Black, William A., and J. S. Millard, to General Time Corp. Miniature recording device. 2,967,715, 1–10–61, Cl. 274—9.

Black, William B., to The Chemstrand Corp. Solutions of synthetic linear polyurethanes in dimethylsulfoxide and process of making same. 2,987,494, 6–6–61, Cl. 260—30.8.

Black, William B., to The Chemstrand Corp. Solution of polypyrrolidone in a mixture of 1,1,1-trichloro-3-nitro-2-propapol and water and process of making same. 3,003,984, 10–10–61, Cl. 260—29.2.

Black, William B., to The Chemstrand Corp. Solution of polypyrrolidone in a mixture of chlorol hydrate and water, and process of making same. 3,003,985, 10–10–61, Cl. 260—29.2.

Black, William H., to Gator Lock, Inc. Timber truss machine. 2,996,721, 8–22–61, Cl. 1—149.

Black, William T.: *See*—
Bailey, Donald L., and Black. 2,975,203.

Black, William T., to Union Carbide Corp. Organosilicon carbamyl compounds and process for producing the same. 2,973,383, 2–28–61, Cl. 260—448.2.

Blackburn, Alan B., to General Motors Corp. Air driven turbine. 2,997,109, 8–22–61, Cl. 170—68.

Blackburn, Alan B., to General Motors Corp. Air driven turbine. 3,013,613, 12–19–61, Cl. 170—68.

Blackburn, Andrew F., and A. A. Lukshin, to Appleton Mills. Method of making uniform papermaker's felts with pre-dyed guide lines. 3,009,234, 11–21–61, Cl. 28—75.

Blackburn, Andrew R., and R. E. Steele, to Ram Inc. Treatment of permeable plaster articles to avoid corrosion thereof. 3,005,733, 10–24–61, Cl. 134—22.

Blackburn, Andrew R., and R. E. Steele, to Ram Inc. Method of molding ceramic ware. 3,010,176, 11–28–61, Cl. 25—156.

Blackburn, Donald M., to John Lang & Sons, Ltd. Indexing mechanism. 2,972,487, 2–21–61, Cl. 279—5.

Blackburn Engines Ltd.: *See*—
Littleford, Frank. 3,011,840.

Blackburn and General Aircraft Ltd.: *See*—
Springham, John. 2,970,443.

Blackburn, Milton E. Method and apapratus for treating oil in oil-immersed induction apparatus. 3,011,642, 12–5–61, Cl. 210—128.

Blackburn, Walter L. Opposed piston engine. 3,000,366, 9–19–61, Cl. 123—51.

Blackburn, Wayne E., and W. J. Wichman, to General Precision, Inc. Color discriminator. 2,982,408, 5–2–61, Cl. 209—111.

Blackburn, William L., to Burroughs Corp. Machine for winding strand material. 2,973,154, 2–28–61, Cl. 242—4.

Blacker, Latham V. S. Reaction-propelled aerial and other bodies. 3,007,410, 11–7–61, Cl. 102—49.

Blackford, Donald E.: *See*—
Du Perow, Donald E., Blackford, and Carlson. 3,012,584.

Blackhall, James M., to Automatic Electric Laboratories, Inc. Toll ticketing telephone system. 3,007,007, 10–31–61, Cl. 179—18.

Blackhall, James M., to Automatic Electric Laboratories, Inc. Automatic toll ticketing telephone system. 3,014,987, 12–26–61, Cl. 179—7.1.

Black Hawk Co.: *See*—
Nelson, Permil N. 2,975,518.

Blackhawk Mfg. Co.: *See*—
Atherton, Neil F. 2,987,046.
Ferguson, Harry C., and Brussock. 2,979,102.
Nelson, Permil N. 2,983,931.
Nelson, Permil N. 2,995,371.
Vallee, Wendell L. 2,975,803.

Blackington, Paul A.: *See*—
Gregoire, Stephen E., and Blackington. 2,969,420.

Blackman, Calvin C., and R. J. Beemer, to L. Wilson. Apparatus for supporting and handling coils of strip metal or the like. 2,988,349, 6–13–61, Cl. 263—3.

Blackman, Calvin C., R. J. Beemer, and E. T. Lorig, to L. Wilson. Strip coiling apparatus. 3,008,663, 11–14–61, Cl. 242—67.4.

Blackman, Charles E., to De Kalb Agricultural Association, Inc. Grain classifier. 2,974,797, 3–14–61, Cl. 209—307.

Blackman, Edward L. Automobile panel-opening construction. 2,973,2221, 2–28–61, Cl. 296—44.

Blackman, Moses: *See*—
Thomson, George P., and Blackman. 2,993,851.

Blackman, Vernon H.: *See*—
Ducati, Adriano C., and Blackman. Re. 25,088.

Blackmer, Dwight W., to Ekco Products Co. Sliding door hanger assembly. 2,982,988, 5–9–61, Cl. 16—97.

Blackmer, Richard H., to General Electric Co. Internal combustion engine. 2,973,751, 3–7–61, Cl. 123—39.

Blackmer, Richard H., to General Electric Co. Fuel cell system with means for prevention of damage by differential gas pressures. 3,014,976, 12–26–61, Cl. 136—86.

Blackmore, Fred N., to Plastiform Co. Planter. 3,009,291, 11–21–61, Cl. 47—37.

Blackstone Corp.: *See*—
Douglas, Peyton W. 2,995,023.

Blackstone, Henry, to Servo Corp. of America. Stereo strip camera. 2,969,005, 1–24–61, Cl. 95—12.5.

Blackstone, Henry, and F. G. Willey, to Servo Corp. of America. Optical scanning mechanism. 2,967,211, 1–3–61, Cl. 178—6.7.

Blackstone, Henry, to Servo Corp. of America. Scanning mechanism. 2,997,539, 8–22–61, Cl. 178—7.6.

Blackstone, Inc.: *See*—
Neuman, Herbert H. 2,968,447.

Blackwell, Basil D., G. C. Chick, and R. P. Cane, to Bristol Siddeley Engines Ltd. Silencers. 2,979,151, 4–11–61, Cl. 181—51.

Blackwell, Churchill G., Jr. Ski binding. 3,007,707, 11–7–61, Cl. 280—11.35.

Blackwell, George T., Jr. Adzing apparatus cutter for railroad crossties. 3,005,479, 10–24–61, Cl. 144—134.

Blackwell, Jennings P., to Phillips Petroleum Co. Jet propelled spraying device. 2,993,648, 7–25–61, Cl. 239—1.

Blackwell, Jennings P., to Phillips Petroleum Co. Sensitized ammonium nitrate explosive and method of manufacture. 3,009,801, 11–21–61, Cl. 52—19.

Blackwood, Robert K., to Chas. Pfizer & Co., Inc. Tetracycline derivatives and process of producing the same. 2,976,318, 3–21–61, Cl. 260—559.

Blackwood, Robert K., H. H. Rennhard, J. J. Beereboom, and C. R. Stephens, Jr., to Chas. Pfizer & Co., Inc. 6-deoxy-6-demethyl-6-methylene-5-oxytetracyclines. 2,984,686, 5–16–61, Cl. 260—559.

Blacquier, Eugene: *See*—
Fitzmaurice, John A., and Blacquier. 2,974,254.

Blafield, Roy. Boiler and condenser tube tester. 3,012,433. 12–12–61, Cl. 73—40.5.

Blaha, Eli W.: *See*—
Sabol, Albert R., Blaha, and Karli. 3,002,924.
Sabol, Albert R., Blaha, and Karli. 3,002,925.

Blaha, John F., to Harris-Intertype Corp. Delivery elevator for printing press and control therefor. 3,008,710, 11–14–61, Cl. 271—88.

Blaies, Herbert O., Jr., to General Motors Corp. Shell type molds and cores. 3,008,205, 11–14–61, Cl. 22—193.

Blain, Albert, to Sperry Rand Corp. Wrench for printed circuit card library rack. 2,976,510, 3–21–61, Cl. 330—17.

Blain, Albert, to Sperry Rand Corp. Memory plane wiring techniques. 2,978,800, 4–11–61, Cl. 29—203.

Blain, Albert, to General Atronics Corp. Educational device. 3,009,263, 11–21–61, Cl. 35—9.

Blain, Willard E. Rudder brake. 3,005,521, 10–24–61, Cl. 188—5.

Blain, Willard E. Chain column hoist. 3,012,635, 12–12–61, Cl. 187—19.

Blainey, Alan, and H. Lloyd, to United States of America, Atomic Energy Commission. Fuel elements for nuclear reactors. 2,992,172, 7–11–61, Cl. 204—154.2.

Blair, David R., and D. P. Hynes, to Chicago Forging and Mfg. Co. Pipe coupling having sealing and anchoring means. 2,999,701, 9–12–61, Cl. 285—340.

Blair, David R., Jr., and J. R. Ryan, to Hercules Powder Co. Cartridge shells and method for manufacture. 2,997,954, 8–29–61, Cl. 102—24.

Blair, Earl D.: *See*—
Monthei, Edward G., and Blair. 2,973,817.

Blair, Edgar A., and J. J. Melchiore, to Sun Oil Co. Conversion of acids to alcohols having one less carbon atom and esters thereof. 3,013,038, 12–12–61, Cl. 260—410.9.

Blair, Etcyl H., to The Dow Chemical Co. O-aryl O-lower alkyl phosphorochloridates. 2,971,974, 2–14–61, Cl. 260—461.

Blair, Gerald E., to Bausch & Lomb Inc. Phosphate glass composition for dosimeter. 2,999,819, 9–12–61, Cl 252—408.

Blair, George F. Stringed musical instrument. 3,014,395 12–26–61, Cl. 84—312.

Blair, John W.: *See*—
Price, Earl R., Blair, and Davis. 2,991,762.

Blair, John W., to The Bendix Corp. Valve construction. 2,989,974, 6–27–61, Cl. 137—113.

Blair, Lloyd S., and G. C. Nonken, to General Electric Co. Method and apparatus for making laminated transformer cores. 3,005,737, 10–24–61, Cl. 148—111.

Blair Mfg. Co., Inc.: *See*—
Ryan, Kelly P. 2,994,388.
Ryan, Kelly P. 3,007,443.

Blair, Otis E., to The Staset Co., Inc. Diamond dressing tool. 2,999,493, 9–12–61, Cl. 125—39.

Blair, Robert, to Angelo American Corp. of South Africa Ltd. Lifting, lowering and hauling. 2,969,854, 1–31–61, Cl. 187—73.

Blair, Roy D., to The B. F. Goodrich Co. Article of footwear. 2,994,972, 8–8–61, Cl. 36—2.5.

Blair, William B. Ski clamp. 2,999,378, 9–12–61, Cl. 70—58.

Blair, William C.: *See*—
Worsham, Lester A. 2,993,704.

Blais, Maurice E., to St. Regis Paper Co. Packing apparatus. 2,969,629, 1–31–61, Cl. 53—124.

Blais, Patrick, ½ to T. Lussier. Saw chain opener having pivoted arms. 2,986,870, 6–6–61, Cl. 59—7.

Blais, Ralph P., to Van Vick Paper Box Co. Egg carton binder. 3,009,569, 11–21–61, Cl. 206—65.

Blaisdell, Arthur A.: *See*—
Walker, Richard M., Berkowitz, Blaisdell, and Mistretta. 2,980,873.

Blaisdell, Edward I.: *See*—
Crocker, William W., and Blaisdell. 3,005,489.

Blaise, Herman T. Drill jig. 2,996,936, 8–22–61, Cl. 77—62.

Blake, Charles L. Plastic containing composition and the process of making the same. 2,993,799, 7–25–61, Cl. 106—193.

Blake, Charles R.: *See*—
Rice, Jessie A. 2,970,456.

Blake, Edward J., to The British Petroleum Co. Ltd. Preparation of suspension of water-soluble solids in oleaginous media. 3,013,968, 12–19–61, Cl. 252—18.

Blake, Francis E., F. H. Henson, and R. P. Boyer, Jr. Model railroad control system. 2,974,268, 3–7–61, Cl. 318—349.

Blake, Frederick H. Warp cord tensing means for looms. 2,969,813, 1–31–61, Cl. 139—104.

Blake, Homer A., to Bell Telephone Laboratories, Inc. Loudspeaker system. 2,993,961, 7–25–61, Cl. 179—115.5.

Blake, James A.: *See*—
Richeson, William E., Jr., and Blake. 2,997,651.

Blake, John D.: *See*—
Guth, Fred H., and Blake. 2,974,235.

Blake, John T., to Scovill Mfg. Co. Fastener means. 2,969,574, 1–31–61, Cl. 24—219.

Blake, Leslie R., to The British Thomson-Houston Co. Dynamo-Electric machines. 2,987,001, 6–6–61, Cl. 103—1.

Blake, Leslie R., to The British Thomson-Houston Co. Ltd. Pumping apparatus. 2,988,000, 6–13–61, Cl. 103—1.

Blake, Leslie R., to The British Thomson-Houston Co. Ltd. Dynamo-electric machines. 3,007,413, 11–7–61, Cl. 103—1.

Blake, Leslie R., to The British Thomson-Houston Co. Ltd. Dynamo-electric machines. 3,008,418, 11–14–61, Cl. 103—1.

Blake, Minden V. Grading articles by weight. 2,979,201, 4–11–61, Cl. 209—121.

Blake, Neal A., and K. N. Fromm, to International Telephone and Telegraph Corp. Flat-copy scanner. 2,967,906, 1–10–61, Cl. 178—7.1.

Blake, Norman: *See*—
Arvidson, Harold C., Jr., and Blake. 2,999,839.

Blake, Norman, to E. I. du Pont de Nemours and Co. Conducting textryls. 2,993,816, 7–25–61, Cl. 117—226.

Blake, Norman, and H. W. Hill, Jr., to E. I. du Pont de Nemours and Co. Polymeric azo dye. 2,994,693, 8–1–61, Cl. 260—144.

Blake, Norman, G. Daendliker, and W. H. Holstein, Jr., to E. I. du Pont de Nemours and Co. Stabilization of dyes by the use of ultraviolet light-absorbing metal chelates. 3,008,858, 11–14–61, Cl. 154—2.77.

Blake, Richard F., to Specialties Development Corp. System for supplying controlled frequency power., 2,967,252, 1–3–61, Cl. 307—151.

Blake, Theodore V., to United States of America, Navy. Sound impedance joint for torpedo. 2,977,919, 4–4–61, Cl. 114—20.

Blake, Thomas G., to Olin Mathieson Chemical Corp. Explosive. 2,982,640, 5–2–61, Cl. 52—6.

Blake, William M., to Moore Oregon Lumber Co. Automatic lumber sorter and stacker. 3,006,468, 10–31–61, Cl. 209—90.

Blakeley, Richard H. Blind fastener having an expandable nut drawn into endwise abutment with work surface. 2,971,425, 2–14–61, Cl. 85—40.

Blakely, Robert E., to Symington Wayne Corp. House draft gear with inbuilt plunger. 2,986,286, 5–30–61, Cl. 213—30.

Blakely, Robert T., to International Business Machines Corp. Proportional space recording devices. 3,006,259, 10–31–61, Cl. 95—4.5.

Blakeslee, G. S., & Co.: *See*—
Cumming, John. 2,981,401.
Jackson, Thomas W. 2,978,229.

Blalack, Orville A. Shoe shine stand. 2,991,495, 7–11–61, Cl. 15—265.

Blanchard, Andre, to Schlumberger Well Surveying Corp. Borehole testing method and apparatus. 2,983,586, 5–9–61, Cl. 23—230.

Blanchard, Floyd W. Remotely controlled toy boat. 2,991,587, 7–11–61, Cl. 46—95.

Blanchard, Melbourne K., to A. O. Smith Corp. Method of making a thermopile. 2,983,031, 5–9–61, Cl. 29—155.5.

Blanchard, Robert L. Friction device. 2,992,845, 7–18–61, Cl. 287—58.

Blanchard, Roswell W., to Worcester Taper Pin Co. Evaporating nozzle for a liquid fuel burning torch. 2,974,723, 3–14–61, Cl. 158—27.4.

Blanchard, Vernon W., to E. I. du Pont de Nemours and Co. Lippmann emulsion masking process. 2,997,388, 8–22–61, Cl. 96—7.

Blanchard, Winborne B. Heating, ventilating and cooling unit. 2,969,652, 1–31–61, Cl. 62—157.

Blanchenot, John P., to Cannon Electric Co. Moisture-proof quick-disconnect device. 3,008,116, 11–7–61, Cl. 339—90.

Blanchet, Hilaire. Rotary snow plough. 2,971,279, 2–14–61, Cl. 37—43.

Blanchet, Lucien. Bar-carried detachable electrical terminal blocks. 2,983,897, 5–9–61, Cl. 339—198.

Blanchett, Carl. Baby nipples. 2,970,595, 2–7–61, Cl. 128—252.

Blanchett, Carl. Tubular valve. 2,989,961, 6–27–61, Cl. 128—252.

Blanchette, Joseph A., and E. C. Chapin, to Monsanto Chemical Co. Condensation products of polymeric oximes and aminoplasts and method of making same. 2,985,610, 5–23–61, Cl. 260—30.4.

Blanco, Elias, to Daystrom, Inc. Phasable ganged potentiometer. 2,968,015, 1–10–61, Cl. 338—135.

Blanco, Elias, to Daystrom, Inc. Potentiometer. 2,972,124, 2–14–61, Cl. 338—202.

Bland, Albert N., and D. A. Davies, to Automotive Products Co. Ltd. Clutch operating mechanism for motor vehicles. 2,979,171, 4–11–61, Cl. 192—.52.

Bland, Jay C. Land levelling and smoothing harrow. 2,990,893, 7–4–61, Cl. 172—456.

Bland, Julius, to Standard Oil Co. Metallizing gun for internal surfaces. 3,013,528, 12–19–61, Cl. 118—302.

Bland, Marshall R., to Purex Corp., Ltd. Ultrasonic cleaning equipment. 2,982,524, 5–2–61, Cl. 259—1.

Bland, Marshall R., to Purex Corp., Ltd. Method of agitating cleansing liquid. 2,990,302, 6–27–61, Cl. 134—10.

Blanding, Leonard C., to Lear, Inc. Electrical contact assembly and process of manufacture. 2,989,801, 6–27–61, Cl. 29—155.5.

Blanding, Wendell S.: *See*—
Barr, Frederick E., and Blanding. 2,982,410.

Blanding, Wendell S., and J. P. Hocker, to Corning Glass Works. Electric hot plate. 2,978,564, 4–4–61, Cl. 219—19.

Blank, Charles E., to Ingersoll-Rand Co. Prestressed piston. 2,968,515, 1–17–61, Cl. 309—14.

Blank, Fritz A., ½ to A. K. Livingston, and ½ to Longines-Wittnauer Watch Co., Inc. D.C. motor speed control and signalling system, particularly designed for motion picture cameras. 2,971,432, 2–14–61, Cl. 88—16.

Blank, Lawrence: *See*—
Capella, Primo, and Blank. 3,001,906.

Blank, Robert H., A. J. Shay, L. M. Pruess, and N. E. Rigler, to American Cyanamid Co. Process for monohydroxylation of steroids. 2,982,695, 5–2–61, Cl. 195—51.

Blanke, Nathan E. Adjustable furniture leg. 2,978,712, 4–11–61, Cl. 5—310.

Blankenbaker, John V., to Hughes Aircraft Co. Algebraic scale counter. 2,983,909, 5–9–61, Cl. 340—205.

Blanshine, Allison W., to Sperry Rand Corp. Infeed conveyor. 2,978,097, 4–4–61, Cl. 198—217.

Blanshine, Allison W., and R. L. Steely, to Sperry Rand Corporation. Row crop attachment for forage harvester. 2,981,045, 4–25–61, Cl. 56—99.

Blanton, Charles H., to Ford Motor Co. Handle assembly. 2,978,927, 4–11–61, Cl. 74—545.

Blanton, William B.: *See*—
Vernam, Gilbert S., Adams, Chojnowski, Blanton, and Jansson. 3,006,986.

Blasche, Thomas L., Jr.: *See*—
Brazil, Robert J., and Blasche. 2,998,704.

Blasdell, Howard C. Multiple tool-bit wrench. 3,014,388, 12–26–61, Cl. 81—53.

Blase, George A.: *See*—
Hanson, Roy R., and Braden. 3,001,384.

Blaser, Bruno, and H. Schirp, to Henkel & Cie G.m.b.H. Process for the production of butane-1,2,4-tricarboxylic acid. 3,013,070, 12–12–61, Cl. 260—537.

Blaser, Bruno, B. Raecke, and H. Schirp, to Henkel & Cie. G.m.b.H. Process for the production of aromatic di- and polycarboxylic acids. 3,014,067, 12–19–61, Cl. 260—515.

Blaser, Robert U., to The Babcock & Wilcox Co. Nuclear power plant. 2,998,363, 8–29–61, Cl. 204—154.2.

Blashewski, Eugene A., to Jensen Industries, Inc. Stylus mounting for phonograph pickup. 2,980,428, 4–18–61, Cl. 274—37.

Blashewski, Eugene A., to Jensen Industries, Inc. Styll holder for phonograph pickup cartridges. 3,009,706, 11–21–61, Cl. 274—37.

Blashfield, William H.: *See*—
Spjeldnes, Kare K., Callender, Slemmer, and Blashfield. 3,007,008.

Blaskowski, Henry J., to Combustion Engineering, Inc. Method of increasing metal temperatures in the cold end of air preheaters. 2,990,161, 6–27–61, Cl. 257—1.

Blaskowski, Henry J., to Combustion Engineering, Inc. Stack arrangement. 3,003,517, 10–10–61, Cl. 131—253.

Blatt, Leland F. Reversing stroke retractor mechanism. 2,971,389, 2–14–61, Cl. 74—110.

Blatt, Leland F. Universal toggle clamp. 2,972,476, 2–21–61, Cl. 269—145.

Blatt, Leland F. Toggle clamp. 3,009,694, 11–21–61, Cl. 269—90.

Blatt, Leland F. Toggle clamp. 3,010,171, 11–28–61, Cl. 24—248.

Blatt, Leland F. Power operated jaw assembly. 3,013,835. 12–19–61, Cl. 294—88.

Blatt, Leland F., and J. M. Jatcko. Single action-quick return-tool and die cylinder assembly. 2,975,762, 3–21–61, Cl. 121—38.

Blatt, Melvin. Gutter for bowling alley. 2,971,759, 2–14–61, Cl. 273—51.

Blatt, Paula. Maternity panty. 3,013,562, 12–19–61, Cl. 128—528.

Blattner, Donald J.: *See*—
Sterzer, Fred, and Blattner. 2,977,484.

Blattner, Elizabeth: *See*—
Blattner, Emil H. 2,970,703.
Blattner, Emil H. and Symer. 2,967,742.

Blattner, Emil H., deceased (by E. Blattner, executrix), and D. G. Symer, to Symington Wayne Corp. Journal box. 2,967,742, 1–10–61, Cl. 308—38.

Blattner, Emil H., deceased, by E. Blattner, executrix, to Symington Wayne Corp. Rubber draft gear. 2,970,703, 2–7–61, Cl. 213—46.

Blatz, Philip S., to E. I. du Pont de Nemours and Co. Method of coating a polymeric thermoplastic dielectric film and article produced thereby. 2,976,184, 3–21–61, Cl. 117—138.8.

Blatz, Philip S., to E. I. du Pont de Nemours and Co. Coating composition containing polysiloxane resin and polysiloxane rubber, film coated therewith and process of making. 2,977,336, 3–28–61, Cl. 260—37.

Blaustein, Aaron, to Fairchild Camera and Instrument Corp. Automatic control system for precision resistor manufacture. 2,978,364, 4–4–61, Cl. 117—227.

Blauvelt, Roland G., to Diebold, Inc. Rotary depository lock. 2,967,015, 1–3–61, Cl. 232—44.

Blaw-Knox Co.: *See*—
Hale, Andrew, McClellan, and Guggenheim. 2,968,832.
Harris, Robert L. 2,988,024.
Hibner, De Los E., Jr. 3,004,502.
Huet, Roger. 3,002,250.
Karnofsky, George B. 2,967,148.
Leslie, Eugene H. 3,002,822.
Ornitz, Martin N., and English. 2,984,473.
Owen, Albert G. 2,971,414.
Rodder, William. 2,976,980.

Blayden, James H., to Aluminum Co. of America. Handrail connection. 2,999,671, 9–12–61, Cl. 256—65.

Blazek, William J., to Lempco Products, Inc. Bearing retainer-indexing means for antifriction die sets. 2,987,348, 6–6–61, Cl. 308—6.

Blazek, William J., and J. J. Strnad, to Lempco Products, Inc. Tubular-type antifriction bearing assemblies. 3,003,830, 10–10–61, Cl. 308—6.

Blazs, George F.: *See*—
Becker, Otto A., and Blazs. 2,997,000.

Blazs, George F., to The Garrett Corp. Universal joint suspension for nutating disks. 2969,777, 1–31–61, Cl. 121—69.

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Parker, Charles S., and Melville. 3,001,262.

Bleakney, Robert M.: *See*—
Dunlap, Henry F., Crozier, and Bleakney. 3,000,316.

Bleakney, Robert M., to United States of America, Navy. Projectile. 2,994,273, 8–1–61, Cl. 102—93.

Bleakney, Walker, V. Rojansy, L. A. Delsasso, G. T. Reynolds, and R. L. Kramer, to United States of America, Navy. Double ballistic pendulum. 2,993,372, 7–25–61, Cl. 73—167.

Bleam, Howard A., to Admiral Corp. Delay line circuits. 2,971,158, 2–7–61, Cl. 328—62.

Bleam, Howard, to Admiral Corp. Electric pulse encoding device. 3,013,259, 12–12–61, Cl. 340—354.

Blecher, Franklin H., to Bell Telephone Laboratories, Inc. Prevention of overload instability in conditionally stable circuits. 2,986,707, 5–30–61, Cl. 330—86.

Blecker, Raymond H., to Simmons Co. Mattress construction. 2,978,715, 4–11–61, Cl. 5—351.

Blecker, Raymond H., to Simmons Co. Mattress construction and spring. 3,004,266, 10–17–61, Cl. 5—252.

Bleckmann, Richard. Mounting for electric heaters. 2,987,283, 6–6–61, Cl. 248—56.

Bledsoe, Gordon L., Jr., B. Moore, and W. W. Doak. Carton spacers. 3,009,595, 11–21–61, Cl. 217—31.

Bleiberg, Melvin L., and E. K. Halteman, to Westinghouse Electric Corp. Temperature independent uranium alloy electrical resistor. 2,977,557, 3–28–61, Cl. 338—7.

Bleicher, William, to Trim Master Corp. Method for operating on sweater blanks. 2,989,018, 6–20–61, Cl. 112—262.

Bleier, Emre: *See*—
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Bleil, Carl E.: *See*—
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Bleil, Carl E., to General Motors Corp. Method and apparatus for vapor depositing thin films. 2,996,418, 8–15–61, Cl. 154—95.

Bleiler, Horace D. Tie clip for fish lines and the like. 2,987,845, 6–13–61, Cl. 43—42.49.

Blenkle, Erwin: *See*—
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Blesch, Charles A., and C. K. Benson, to Heat and Control, Inc. Dryer with burner. 3,001,298, 9–26–61, Cl. 34—212.

Bless, William. Predetermined torque release hand tool. 2,977,832, 4–4–61, Cl. 81—52.4.

Bletso, Nelson C., to The Goodyear Tire & Rubber Co. Reinforced rubber articles. 2,975,095, 3–14–61, Cl. 154—140.

Blett, Robert J.: *See*—
Anderson, Wilbur G., Jr., and Blett. 2,998,909.

Bletz, Howard W., to Stevens Mfg. Co., Inc. Automatic temperature control system. 3,005,080, 10–17–61, Cl. 219—20.

Bletzinger, John C., to Kimberly-Clark Corp. Method and apparatus for forming patterned webs. 2,986,780, 6–6–61, Cl. 19—156.

Bleuenstein, Julius M., to Ford Motor Co. Process for mixing a Novalak resin and sand with an A-stage resin and sand to obtain a shell molding sand. 2,999,833, 9–12–61, Cl. 260—38.

Bleuer, Keith T. Anti-glare device for vehicles. 2,976,759, 3–28–61, Cl. 88—1.

Blevans, William E., and W. L. Grant, to United States of America, Navy. Fuel nozzle head for anti-coking. 2,968,925, 1–24–61, Cl. 60—39.74.

Blevins, Kenneth A., to Type-Write Desk Mfg. Co., Inc. Portable-sewing-machine table. 3,011,846, 12–5–61, Cl. 311—12.

Blewis, Bernard A., and A. H. Steinberg, to General Cable Corp. Method of improving properties of flame resistant polyethylene and products thereof. 3,006,787, 10–31–61, Cl. 117—232.

Blewitt, Roy E., Jr., to American Machine & Foundry Co. Bowling pin spotting machines. 2,983,510, 5–9–61, Cl. 273—43.

Bleyle, Wilh., oHG: *See*—
Merkle, Eberhard. 3,012,398.

Blich, Felix, to United States of America, Agriculture. Salting of split pistachio nuts. 2,969,290, 1–24–61, Cl. 99—127.

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Blicke, Frederick F., to Regents of The University of Michigan. Basic esters of substituted β-hydroxypropionic acids and preparation thereof. 2,996,535, 8–15–61, Cl. 260—468.

Blickle, Karl, to J. M. Voith, G.m.b.H. Maschinenfabrik. Device for covering transverse passages in ships. 3,008,443, 11–14–61, Cl. 114—148.

Blickwedel, Theodore W., and R. L. Lambert, to Sylvania Electric Products Inc. Method of making a low density coating for an electron discharge device. 2,985,548, 5–23–61, Cl. 117—221.

Bliemeister, Louis W. Process and apparatus for producing spherical metal pellets. 2,978,742, 4–11–61, Cl. 18—2.4.

Blik, Joseph, to Electrische Apparaten-en Metaalwarenfabrieken Rudolf Blik N.V Centrifuge. 2,992,564, 7–18–61, Cl. 74—208.

Blinder, William, to General Motors Corp. Antifriction bearing. 2,983,557, 5–9–61, Cl. 308—187.

Blinder, William, to General Motors Corp. Antifriction bearing. 2,983,559, 5–9–61, Cl. 308—200.

Blinderman, Seymour L. Canvas-stretching device. 3,012,362, 12–12–61, Cl. 45—130.

Blinka, Joseph: *See*—
Krumrei, William C., and Blinka. 2,970,964.
Lundberg, Olle I., and Blinka. 2,987,484.
Walker, Richard D., and Blinka. 2,970,963.

Blinka, Joseph, and P. W. Grounds, Jr., to The Procter & Gamble Co. Detergent milled bar and process of preparing same. 2,982,735, 5–2–61, Cl. 252—121.

Blinn, Glenn E., and C. Flachbarth, deceased (by C. T. Flachbarth, executor), to Walker Brothers. Access unit for use in underfloor duct systems. Re. 25,042, 9–26–61, Cl. 138—92.

Blinoff, Vsevolod, and G. Braude, to American Alcolac Corp. Preparation of sulfo detergents. 2,975,141, 3–14–61, Cl. 252—161.

Bliss, Charles O. Receptacles. 2,985,335, 5–23–61, Cl. 220—55.7.

Bliss, E. W., Co.: *See*—
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Byrne, John J., and Cruger. 2,977,076.
Cruger, Robert W. 2,979,292.
Schloz, Arthur H., and Steele. 2,979,975.

Bliss, George L., to United States Steel Corp. Method and apparatus for spooling wire. 2,988,292, 6–13–61, Cl. 242—25.

Bliss, Harvey N.: *See*—
Sargent, Howard H., Bickford, and Bliss. 3,014,657.

Bliss, Harvey N., to Veeder-Root Inc. Counter wheel. 2,969,175, 1–24–61, Cl. 235—1.

Bliss, Lyman A., to Union Carbide Corp. Bulk helium transportation. 2,968,161, 1–17–61, Cl. 62—45.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Preparation of organo group II-B metal compounds. 2,969,381, 1–24–61, Cl. 260—429.9.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Manufacture of organolead compounds. 2,985,675, 5–23–61, Cl. 260—437.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Organometal compounds. 2,987,558, 6–6–61, Cl. 260—665.

Blitzer, Sidney M., R. L. Milde, and T. H. Pearson, to Ethyl Corp. Process for the production of aluminum and zinc alkyls. 2,989,557, 6–20–61, Cl. 260—429.9.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Manufacture of organolead compounds. 2,989,558, 6–20–61, Cl. 260—437.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Manufacture of organolead compounds. 3,007,955, 11–7–61, Cl. 260—437.

Blitzer, Sidney M., and T. H. Pearson, to Ethyl Corp. Metallo organic compounds. 3,013,042, 12–12–61, Cl. 260—448.

Bliven, Charles V., and I. J. Allen, to Ford Motor Co. Shock absorber. 3,006,441, 10–31–61, Cl. 188—100.

Bliven, Frank S.: *See*—
Wells, Royce M., and Bliven. 2,995,282.

Bloch, Alfred: *See*—
Parry, Robert D. 2,973,125.

Bloch, Alfred, and I. B. Oneson, to Ethicon, Inc. Purification of collagen. 2,973,302, 2–28–61, Cl. 195—6.

Bloch, Alfred, and R. A. Messing, to Ethicon, Inc. Enzyme and method for preparation. 2,977,287, 3–28–61, Cl. 195—62.

Bloch, Erich, and R. C. Paulsen, to International Business Machines Corp. Magnetic flip-flop. 2,978,593, 4–4–61, Cl. 307—88.

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Bloch, Herman S., to Universal Oil Products Co. Alkylation of aromatic hydrocarbons. 2,971,992, 2–14–61, Cl. 260—671.

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Bloch, Herman S., to Universal Oil Products Co. Preparation of aromatic amines. 2,980,735, 4–18–61, Cl. 260—578.

Bloch, Herman S., to Universal Oil Products Co. Preparation of methyloxyfluorophosphine. 2,994,715, 8–1–61, Cl. 260—543.

Bloch, Herman S., and V. Haensel, to Universal Oil Products Co. Hydroisomerization process. 2,993,938, 7–25–61, Cl. 260—666.

Bloch, Herman S., and V. Haensel, to Universal Oil Products Co. Catalyst compositions. 2,999,074, 9–5–61, Cl. 252—442.

Bloch, Peter, to Gesellschaft der Ludw. von Roll'schen Eisenwerke AG. Hydraulic control device for a hydrostatic drive. 2,971,498, 2–14–61, Cl. 121—41.

Bloch, Richard M., to Minneapolis-Honeywell Regulator Co. Error detecting and correcting apparatus. 2,977,047, 3–28–61, Cl. 235—153.

Bloch, Richard M., and J. J. Eachus, to Minneapolis-Honeywell Regulator Co. Information handling apparatus. 3,008,127, 11–7–61, Cl. 340—172.5.

Blocher, Thomas J., Jr., to Westinghouse Air Brake Co. Voltage signal comparison means with storage means. 2,991,372, 7–4–61, Cl. 307—88.5.

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Bernstein, Russell W., and Block. Re. 25,026.

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Block, Edward L. Wishing-well type coin collector. 2,991,932, 7–11–61, Cl. 232—43.2.

Block, Edwin B. and J. M., and P. Masley, to Aquatronic Industries, Inc. Automatic distress signalier. 2,993,118, 7–18–61, Cl. 250—17.

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Block, Harry W., and P. B. Touher, to General Foods Corp. Adipic acid composition. 2,982,653, 5–2–61, Cl. 99—78.

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Block, John R. W., and J. D. S. de Guerin, to D. Napier & Son Ltd. Pad type thrust bearings. 2,986,431, 5–30–61, Cl. 308—160.

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Block, Meyer L.: *See*—
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Block, Pedro. Package for cigarettes and matches. 2,975,890, 3–21–61, Cl. 206—48.

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Blome, Robert A., J. M. Andrews, and W. S. Reaves, to Esso Research and Engineering Co. Aromatization of hydrocarbons. 2,971,902, 2–14–61, Cl. 208—65.

Blomgren, Erik, and H. Jenner, to Aktiebolaget Pharmacia. Stabilized Karl Fischer reagent. 2,967,155, 1–3–61, Cl. 252—408.

Blomquist, Alfred T., to The B. F. Goodrich Co. Bis-ketenes and method of preparation. 3,002,024, 9–26–61, Cl. 260—585.5.

Blomqvist, Ake H. P., to Aktiebolaget Bofors. Servo system for controlling a follower member. 3,011,108, 11–28–61, Cl. 318—19.

Blomstrand, John H., and F. W. Nyquist. Frictionally driven wire connector. 3,010,745, 11–28–61, Cl. 287—76.

Blomstrom, Dale C., and W. C. Smith, to E. I. du Pont de Nemours and Co. Method of preparation of 1,4-dithia-2,3,5,6-tetracyanocyclohexa-2,5-diene. 3,008,967, 11–14–61, Cl. 260—327.

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Blount, William E., to Hoerner Boxes, Inc. Pop case. 3,001,685, 9–26–61, Cl. 229—34.

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Bluestein, Ben A., to General Electric Co. Organosilicon process. 2,971,970, 2–14–61, Cl. 260—448.2.

Bluestein, Ben A., to General Electric Co. Addition of methyldichlorosilane to acrylonitrile in presence of a diamine-trialkylamine-$PdCl_2$ catalyst composition. 2,971,971, 2–14–61, Cl. 260—448.2.

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Bochan, John, to General Electric Co. Article treating machine with pneumatically operated safety interlock. 2,986,910, 6–6–61, Cl. 68—3.

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Bochan, John, to General Electric Co. Article-treating machine with fluid-operated switch controls therefor. 2,990,705, 7–4–61, Cl. 68—12.
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Bock, Peter, H. Spies, and K. Deitlhauser, to Durrwerke Aktiengesellschaft. Steam and air boiler with heating surface of smallest load. 3,003,479, 10–10–61, Cl. 122—1.
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Schrade, Eugen, and Bock. 3,011,199.
Bock, Willy, and H. Prohaska, to SWF-Spezialfabrik fur Autozubehor Gustav Rau G.m.b.H. Driving mechanism for windshield wipers and windshield washing pump. 2,990,561, 7–4–61, Cl. 15—250.02.
Bock, Willy, H. Prohaska, and A. Kohler, to SWF-Spezialfabrik fur Autozubehor Gustav Rau G.m.b.H. Spray nozzle for windshield washing apparatus. 3,008,649, 11–14–61, Cl. 239—284.
Bockemuehl, Robert R., to General Motors Corp. Electronic drift compensator. 2,977,499, 3–28–61, Cl. 315—9.
Bockemuehl, Robert R., to General Motors Corp. Speed measuring system. 2,996,620, 8–15–61, Cl. 250—83.3.
Bocklage, Clement J.: *See*—
Burgert, Harold E. 2,967,428.
Böckmann, Klaus: *See*—
Taube, Carl, and Böckmann. 3,009,761.
Bocognano, René J. Process and apparatus for spraying and dehydrating suspensions in vacuo. 2,969,111, 1–24–61, Cl. 159—3.
Boddy, Leonard, to King-Seeley Thermes Co. Electrical control apparatus. 3,005,979, 10–24–61, Cl. 340—210.
Boddy, Leonard, to King-Seeley Thermos Co. Electrical control system. 3,010,097, 11–21–61, Cl. 340—213.
Bodek, Edward J., and A. L. Pizzi, to Western Electric Co., Inc. Wrapping machine. 3,011,935, 12–5–61, Cl. 156—479.
Bodell, Cornell, to Wright Mfg. Co. Balanced reverse cycle heating and cooling system. 3,005,320, 10–24–61, Cl. 62—160.
Bodem, Roy C., R. H. Brandes, R. A. Hirsch, E. H. McDonald, and C. F. Wood, to General Motors Corp. Variable pitch propeller assembly for multi-power plant aircraft. 2,986,220, 5–30–61, Cl. 170—135.74.
Bodem, Roy C., R. A. Brandes, R. A. Hirsch, E. H. McDonald, and C. F. Wood, to General Motors Corp. Variable pitch propeller assembly for multi-power plant aircraft. 3,002,568, 10–3–61, Cl. 170—160.21.
Bodem, Roy C., and H. M. Geyer, to General Motors Corp. Actuator with stroke end locking means and stroke adjusting means. 3,003,471, 10–10–61, Cl. 121—40.
Bodemuller, Rudolph, to The Bendix Corp. Gas turbine acceleration control. 2,971,338, 2–14–61, Cl. 60—39.28.
Bodendoerfer, Raymond E., to Paper Machinery Corp. Blank feeding mechanism for cone cup machines. 2,988,968, 6–20–61, Cl. 93—36.2.
Bodenheim, Francis A.: *See*—
Williams, Arthur L., and Bodenheim. 3,003,052.
Bodenschatz, August, and G. J. Giessner, to I-T-E Circuit Breaker Co., Inc. Variable depth operating mechanism including universal coupling. 3,009,029, 11–14–61, Cl. 200—50.
Bodenseéwerk Perkin-Elmer & Co., G.m.b.H.: *See*—
Goldhammer, Albert. 3,000,285.
Bodez, Pierre M. J., to Precision Mechanique Labinal. Coded pulse receivers. 3,009,058, 11–14–61, Cl. 250—20.
Bodholdt, Robert H. Large tape reel adaptor for home tape recorders. 2,969,201, 1–24–61, Cl. 242—55.12.
Bodian, Marcus, to Sunbeam Lighting Co. Recessed incandescent light fixture. 2,978,572, 4–4–61, Cl. 240—78.
Bodian, Marcus, and W. B. Rosenfield, to Sunbeam Lighting Co. Reflecting fluorescent light fixture. 2,990,470, 6–27–61, Cl. 240—51.11.
Bodine, A. G.: *See*—
Mathewson, Arthur A., Jr., Selberg, and Leonard. 2,989,130.
Bodine, Albert G., Jr. Polyphase sonic earth bore drill. 2,970,660, 2–7–61, Cl. 175—55.
Bodine, Albert G., Jr. Acoustic method and apparatus for moving objects held tight within a surrounding medium. 2,972,380, 2–21–61, Cl. 166—46.
Bodine, Albert G. Method and apparatus for environmental noise generation. 2,975,751, 3–21–61, Cl. 116—137.
Bodine, Albert G., Jr. Acoustic method and apparatus for driving piles. 2,975,846, 3–21–61, Cl. 175—19.
Bodine, Albert G. Sonic well pump tubing string. 2,992,613, 7–18–61, Cl. 103—11.
Bodine, Albert G., Jr. Sonic heater for wells. 2,999,540, 9–12–61, Cl. 166—39.
Bodine, Albert G. Method and apparatus for augmenting oil recovery from wells by refrigeration. 3,004,601, 10–17–61, Cl. 166—39.
Bodine Soundrive Co.: *See*—
Mathewson, Arthur A., Jr., Selberg, and Leonard. 2,989,130.
Bodle, Morgan D., to United States Rubber Co. Process for making webbing. 2,977,270, 3–28–61, Cl. 154—93.
Bodle, William W., to Conch International Methane Ltd. Revaporization of liquefied gases. 2,975,607, 3–21–61, Cl. 62—52.
Bodman, Ralph H., to United States of America, Navy. Box type tension chain for protecting electric cable. 2,972,857, 2–28–61, Cl. 59—78.1.
Bodner, Albert J.: *See*—
Morway, Arnold J., and Bodner. 3,013,974.
Bodner, Fritz, to Hauni-Werke Korber & Co. K.G. Pneumatic conveyors for leafy or fibrous material, particularly tobacco. 2,995,404, 8–8–61, Cl. 302—28.
Bodner, Martin: *See*—
Brewer, Ward B., Bodner, and Smith. 2,966,797.
Bodner, Martin, and W. B. Brewer, to Lockheed Aircraft Corp. Transducer. 2,998,585, 8–29–61, Cl. 338—5.
Bodner, Seymour S. Hinge configuration and method for making same. 3,009,169, 11–21–61, Cl. 4—240.
Boe, Carsten F. Structural form production method and apparatus. 2,973,783, 3–7–61, Cl. 138—55.
Boedecker, Woodrow S.: *See*—
Norway, Harold L., and Boedecker. 2,967,541.
Boehler, Joseph: *See*—
Windstrup, Robert F., Boehler, and Schneider. 2,974,571.
Boehler, Max: *See*—
Fuhring, Heinrich. 3,010,217.
Boehler, Robert E., to United States Steel Corp. Apparatus and method for tapping molten material from a rotary kiln. 2,983,501, 5–9–61, Cl. 263—33.
Boehler & Weber Commanditgesellschaft: *See*—
Fuhring, Heinrich. 3,010,217.
Boehm, Albert, to American District Telegraph Co. Liquid level float and apparatus for testing the same. 3,014,205, 12–19–61, Cl. 340—214.
Boehm, Ernst: *See*—
Markgraf, Otto, Schuster, Herrle, Boehm, and Schaefer. 2,969,271.
Boehm, Gilbert O., and B. H. Matteson, Jr., to International Business Machines Corp. Testing of magnetic materials. 2,985,300, 5–23–61, Cl. 209—81.
Boehm, John F., to The Drackett Co. Reciprocating plunger type cream dispenser. 2,998,167, 8–29–61, Cl. 222—320.
Boehm, John F., to The Drackett Co. Spring actuated threaded follower type dispenser for cream jars. 2,991,915, 7–11–61, Cl. 222—320.
Boehm, Josef, to United States of America, Army. Space vehicle attitude control system. 2,974,594, 3–14–61, Cl. 102—50.
Boehm, Paul F. Drawing instruments for drawing ellipses. 3,007,247, 11–7–61, Cl. 33—1.
Boehme Fettchemie G.m.b.H.: *See*—
Damm, Helmut, and Fischer. 2,998,293.
Schmitt, Friedrich. 2,973,240.
Boehme, Robert M.: *See*—
Lawrance, Richard B., and Boehme. 2,994,903.
Boehme, Werner R., and J. Koo, to Ethicon, Inc. Propiophenones and methods for their preparation. 2,995,563, 8–8–61, Cl. 260—297.
Boehme, Werner R., and E. S. Schipper, to Ethicon, Inc. N-substituted 2,5, bishalomethyl pyrrolidines. 3,006,920, 10–31–61, Cl. 260—313.
Boehme, Werner R., and J. Nichols, to Ethicon, Inc. 1-[bicyclo-(2,2,1)-5-heptene-2-endomethyl]-biuret. 3,008,989, 11–14–61, Cl. 260—553.
Boehmer, A. & C., Ltd.: *See*—
Boehmer, Floyd O. 2,974,837.
Boehmer, Andrew P., and W. E. Lauterbach, to Dole Refrigerating Co. Conversion unit. 2,972,057, 2–14–61, Cl. 307—10.
Boehmer, Floyd O., to A. & C. Boehmer, Ltd. Shirt reinforcing member. 2,974,837, 3–14–61, Cl. 223—71.

Boehmke, Gunther: *See*—
Hagge, Walter, Quaedvlieg, Boehmke, and Hempel. 2,993,830.
Boehringer, C. F., & Soehne: *See*—
Achelis, Johann D., Haack, Gall, Heerdt, and Voemel. 2,988,547.
Braun, Franz, and Haack. 3,005,854.
Stach, Kurt, Achelis, Kroneberg, and Kurbjuweit. 3,004,984.
Boehringer, C. F. & Soehne, G.m.b.H.: *See*—
Haack, Erich, and Hagedorn. 2,977,375.
Boehringer, C. H., Sohn: *See*—
Finke, Otto, Zelle, and Köppe. 2,967,880.
Heel, Werner, and Zelle. 2,997,469.
Jerchel, Dietrich. 2,978,465.
Boeing Airplane Co.: *See*—
Abell, Dwight R. 3,007,337.
Ablow, Clarence M., and Brigham. 2,980,330.
Abraham, Frank J., Anderson, and Teel. 2,968,151.
Adler, Abraham C. 2,997,110.
Bennett, Harold L., Bohm, and Pearson. 2,976,681.
Benton, Bruce M. 2,988,688.
Benton, Bruce M. 3,002,144.
Bredberg, Burrell R., and Golden. 2,976,609.
Brunson, Ralph A. 3,014,172.
Dorn, John L. 3,000,595.
Dudley, Jack D. 2,986,005.
Flugstad, Morris. 2,974,257.
Heinemann, Milton, and James. Re. 25,066.
Hubbard, Robert M. 3,002,145.
Ireton, Earl T., and Krauss. 3,011,354.
James, Varnell L. R. 2,990,148.
Keister, Glenn L. 2,979,263.
Kurtovich, David D. 2,995,268.
Lawler, John A. 2,987,883.
McDougal, James R. 2,990,547.
Muzzy, Maurice F., Pfafman, and Young. 3,002,341.
Pearson, Raymond E. 2,977,677.
Rowe, Donald C. 3,011,926.
Sherin, Richard J. 2,998,577.
Snyder, Herman B., and Rosenberg. 2,981,610.
Trailer, Alfred D. 2,997,550.
Truly, Richard H., Jr., Bonifaci, and Beckelman. 2,968,147.
Weiland, Richard H., and Hamilton. 3,002,719.
Yntema, Robert T. 3,011,778.
Boekamp, Konrad, to C. D. Trowbridge. Radioactive receptacle. 3,010,022, 11–21–61, Cl. 250—106.
Boeke, Jan, to The Foxboro Co. Chromatography method. 2,985,007, 5–23–61, Cl. 73—23.
Boeke, Jan, to The Foxboro Co. Magnetomotive force device. 3,015,061, 12–26–61, Cl. 324—30.
Boeke, Paul J., and J. N. Scott, Jr., to Phillips Petroleum Co. Production of modified polymers by heating to 600–900° F. in the presence of chromium oxide. 2,981,727, 4–25–61, Cl. 260—93.7.
Boekelheide, Virgil C., and R. J. Windgassen, Jr., to E. I. du Pont de Nemours and Co. Certain cycl [3,2,2] azines. 2,986,563, 5–30–61, Cl. 260—290.
Boeker, Harold T., to General Electric Co. Production and control of electron beams. 2,977,500, 3–28–61, Cl. 315—15.
Boelsma, Aaldert R., to Shell Oil Co. Combustion device for liquid fuel. 2,986,206, 5–30–61, Cl. 158—4.
Boenau, Arthur H., to Socony Mobil Oil Co., Inc. Coating for milk containers. 2,999,765, 9–12–61, Cl. 117—76.
Boenig, Hermann V., to The Goodyear Tire & Rubber Co. Unsaturated mercapto amines. 2,998,[illegible]1, 8–29–61, Cl. 260—570.5.
Boer, Arpad, to Bancroft-Brillotex International S.A. Machine and process for cleaning wood and other textile fibres. 2,979,782, 4–18–61, Cl. 19—67.
Boer, Arpad, to Bancroft-Brillotex International S.A. Process and agent for cleaning natural and synthetic fibres. 2,982,676, 5–2–61, Cl. 134—7.
Boer, George: *See*—
Pistole, Harry, Pitts, Morse, and Boer. 3,007,524.
Boerma, Jan A. K., and J. W. I. Heijnis, to American Enka Corp. Differentially heated draw pin. 2,993,260, 7–25–61, Cl. 28—62.
Boesch, John C., Jr., to Lilliston Implement Co. Rotary cutter. 2,998,689, 9–5–61, Cl. 56—25.4.
Boesch Mfg. Co., Inc.: *See*—
Klemm, Joseph. 3,010,505.
Boese, Arthur H., ½ to Novel Ideas, Inc. Time delay action and release for airborne toys. 3,006,109, 10–31–61, Cl. 46—74.
Boettcher, Otto, Jr.: *See*—
Cuiff, Harold E., Boettcher, and Gammill. 2,978,265.
Boettcher, Stephen A., and J. C. Page, to Abrading Systems Co. Lapping machine. 2,968,135, 1–17–61, Cl. 51—129.
Boettcher, William A. Flooring trims. 2,991,516, 7–11–61, Cl. 20—6.
Boettinger, William G., to Belfort Instrument Co. Shock resistant barograph. 2,997,879, 8–29–61, Cl. 73—387.
Boettler, Jacob R., to United States of America, Navy. Cable clamp. 3,013,107, 12–12–61, Cl. 174—89.
Boettner, Fred E., and J. L. Rainey, to Rohm & Haas Co. Detergent bars. 2,982,737, 5–2–61, Cl. 252—152.
Boewe, Howard L., and H. H. Gaither, to Champion Laboratories, Inc. Oil filters. 2,995,249, 8–8–61, Cl. 210—130.
Boewe, Howard L., and H. H. Gaither, to Champion Laboratories, Inc. Oil filter. 2,995,250, 8–8–61, Cl. 210—130.
Boeye, Paul F., and R. A. Sorensen, to Northwestern Corrugated Box Co. Outboard motor package. 3,006,462, 10–31–61, Cl. 206—46.
Boffa, Gioacchino, G. P. Chiusoli, and A. Quilico, to Montecatini Soc. Gen. per l'Industria Minerarla e Chimica. Preparing beta-hydromuconic seminitrile and esters thereof. 3,012,061, 12–5–61, Cl. 260—465.4.
Bofinger, Karl, to American Can Co. Mechanism for coating side seams of cans. 2,996,040, 8–15–61, Cl. 118—301.
Bogan, Gerald F., ½ to E. W. Bergere. Articulated coupling clamp. 3,013,821, 12–19–61, Cl. 285—407.
Bogar, Lawrence A., and A. L. Long. Vehicle transfer carrier. 2,967,634, 1–10–61, Cl. 214—331.
Bogard, William R., and G. A. Gruss, to American Machine & Foundry Co. Bowling ball cleaning and polishing apparatus. 2,980,935, 4–25–61, Cl. 15—21.
Bogart Mfg. Corp.: *See*—
Albanese, Victor J. 2,988,740.
Albanese, Victor J., and Kagan. 3,011,137.
Bogdonoff, Harold: *See*—
Carlson, Chester F., and Bogdonoff. 2,982,647.
Bogert, Robert C., to North American Aviation, Inc. Variable geometry intake duct. 2,987,878, 6–13–61, Cl. 60—35.6.
Bogert, Thure B., to Aktiebolaget Addo. Error code indications providing devices for use in tape punches. 2,969,174, 1–24–61, Cl. 234—124.
Bogert, Thure B., to Aktiebolaget Addo. Digit spacing device in calculating business machines. 3,011,701, 12–5–61, Cl. 235—60.38.
Boggs, Fitzhugh W., to United States Rubber Co. Method of making drag-reducing covering. 2,971,301, 2–14–61, Cl. 53—25.
Boggs, H. D., Co., Ltd.: *See*—
Boggs, Herbert D., and Magoon. 2,997,737.
Schafer, Kenneth A., and Boggs. 2,994,919.
Perrault, Lewis. 2,999,780.
Boggs, Herbert D.: *See*—
Schafer, Kenneth A., and Boggs. 2,994,919.
Boggs, Herbert D., and F. L. Magoon, Jr., to H. D. Boggs Co., Ltd. Apparatus for withdrawing tubular objects from a mold. 2,997,737, 8–29–61, Cl. 18—2.
Boggs, Homer D., to General Motors Corp. Method of aluminizing cobalt base alloys and article resulting therefrom. 2,988,807, 6–20–61, Cl. 29—194.
Boggs, Richard L.: *See*—
Zenter, Thomas G., and Boggs. 2,980,015.
Bogle, Robert W., to United States of America, Atomic Energy Commission. Radio ranging device. 2,975,414, 3–14–61, Cl. 343—13.
Bognar, Charles J., to The Yoder Co. Differential signal developer. 2,973,662, 3–7–61, Cl. 74—472.
Bogosian, John D., and A. Peters, to General Electric Co. Mounting device for accessories. 3,014,740, 12–26–61, Cl. 285—82.
Bogseth, Roy W.: *See*—
Bender, Arthur V., and Bogseth. 2,988,248.
Bohannon, John D., M. Finkelstein, L. Liebowitz, and R. Weiner. Automatic hinge recess routing machine for spectacle frames. 2,989,901, 6–27–61, Cl. 90—14.
Bohanon, Hoy R. Climate control. 2,983,213, 5–9–61, Cl. 98—33.
Bohl, Leland S., J. L. Gergen, and V. E. Suomi, to United States of America, Navy. Atmospheric infrared radiation detector. 3,014,369, 12–26–61, Cl. 73—170.
Bohlen, Charles L., C. B. Sheppard, and P. J. D'Orazio, to Strick Trailers, a division of Fruehauf Trailer Co. Tandem axle semi-trailer convertible to single axle semi-trailers and vice versa. 3,004,772, 10–17–61, Cl. 280—415.
Bohlin, Edward H. Quick-draw holster. 2,970,727, 2–7–61, Cl. 224—2.
Bohlmann, Edward G.: *See*—
Brown, Harrison S., and Bohlmann. 2,982,599.
Bohm, Byron K.: *See*—
Bennett, Harold L., Bohm, and Pearson. 2,976,681.
Bohm, Karl. Meat mincing machine. 2,970,621, 2–7–61, Cl. 146—96.
Bohm, Robert E., and H. Steinberg, to United States Borax & Chemical Corp. Method for producing triethyl borate. 3,005,011, 10–17–61, Cl. 260—462.
Böhm, Siegfried, and G. Hausmann, to VEB Kamera-und Kinowerke Dresden. Photographic cameras with adjustable emulsion carrier guide. 2,974,574, 3–14–61, Cl. 95—50.
Bohm, Siegfried, H. Skolaude, R. Jurenz, and G. Jehmlich, to VEB Kamera- und Kinowerke Dresden. Photograph cameras of the two-film type. 2,988,973, 6–20–61, Cl. 95—31.
Böhme Fettchemie G.m.b.H.: *See*—
Goldann, Karl. 2,989,364.
Goldann, Karl. 2,998,295.
Heyden, Rudi, and Plapper. 2,989,362.
Heyden, Rudi, and Wedell. 2,977,249.
Kirstahler, Alfred, and Goldann. 2,989,484.
Markert, Hans, and Frotscher. 2,986,479.
Plapper, Jurgen, and Heyden. 2,968,580.
Plapper, Jurgen, and Heyden. 3,010,780.
Wedell, Hans. 2,978,359.
Wedell, Hans. 3,008,905.
Bohn Aluminum & Brass Corp.: *See*—
Kingsley, Gerald V., and Wyatt. 2,971,248.
Bohn, Donald I. Induction motor and control system. 2,996,648, 8–15–61, Cl. 318—212.

Bohn, Donald I. Magnetically lockable universal vise. 2,993,395, 7–25–61, Cl. 81—41.

Bohn, Floyd O., to Dresser Industries, Inc. Wireline feed-in device. 2,998,071, 8–29–61, Cl. 166—77.

Bohn, Floyd O., to Lane-Wells Co., a Division of Dresser Industries Inc. Tracer injector and detector. 2,989,631, 6–20–61, Cl. 250—43.5.

Bohn, Frank W. Positive contact ignition distributor. 3,012,111, 12–5–61, Cl. 200—24.

Bohn, Glen W. Vertically adjustable scaffold construction. 2,987,297, 6–6–61, Cl. 254—4.

Bohn, Jacob L., F. H. Nadig, and T. Korneff, to United States of America, Air Force. High speed stereoscopic camera. 3,012,470, 12–12–61, Cl. 88—16.6.

Bohn, Martin O.: *See*—
Sonne, Julius W., and Bohn. 3,013,484.

Bohn, Nicholas J., to American Motors Corp. Refrigerating apparatus. 2,990,111, 6–27–61, Cl. 230—232.

Bohn, Raymond T.: *See*—
Melnick, Daniel, Vahlteich, and Bohn. 2,997,394.

Bohn, Raymond T., to R. K. Laros Co., Inc. Addition of dextran to bread doughs. 2,983,613, 5–9–61, Cl. 99—91.

Bohnel, William R.: *See*—
Sedgfield, Hugh B., Bohnel, Glenny, and Summerlin. 2,991,028.

Bohnert, Arthur F., and W. A. Vanick, to Enterprise Paint Mfg. Co. Aqueous coating composition containing styrene-butadiene copolymer and polyethylene, process of coating paper therewith and coated article. 2,994,677, 8–1–61, Cl. 260—29.7.

Bohnert, Jackson L., to Addressograph-Multigraph Corp. Temperature responsive control. 3,004,194, 10–10–61, Cl. 317—149.

Bohnsack, Harold R. Valve for cylinder actuated ash tray. 2,993,491, 7–25–61, Cl. 131—235.

Bohnsack, John A., to Aetna Steel Products Corp. Wall-panel bases and panel supports. 2,968,374, 1–17–61, Cl. 189—34.

Bohr, Alexander H., to Thiokol Chemical Corp. Vertical rising aircraft. 2,989,271, 6–20–61, Cl. 244—23.

Bohrer, Georg: *See*—
Richards, Thomas C., and Schepetin. 3,003,626.

Bohrer, Joseph H., Sr., to Continental Rubber Works. Strap for a tumbling device. 2,999,558, 9–12–61, Cl. 182—139.

Boice Mfg. Co., Inc.: *See*—
Edmonds, Harvey. 2,969,596.

Boicey, James H., to Libbey-Owens-Ford Glass Co. Transparent electrically conducting films. 2,977,450, 3–28–61, Cl. 219—19.

Boicey, James H., to Libbey-Owens-Ford Glass Co. Method of inspecting bent glass sheets. 2,991,686, 7–11–61, Cl. 88—14.

Boicey, James H., and W. J. Hubbard, to Libbey-Owens-Ford Glass Co. Method and apparatus for laminating glass-plastic sandwiches. 2,996,416, 8–15–61, Cl. 154—2.7.

Boicey, James L., and C. M. Browne, to Libbey-Owens-Ford Glass Co. Protective coatings. 2,995,461, 8–8–61, Cl. 117—5.5.

Boies, David B., to Nalco Chemical Co. Method of improvement of heat transfer coefficient in heat exchangers. 3,006,858, 10–31–61, Cl. 252—73.

Boileau, Jacques: *See*—
Vaganay, Jean, Brulat, Regnault, Boileau, and Wevert. 3,014,942.

Boiney, Joseph F., and D. E. Lindahl, to Westinghouse Electric Corp. Resinous compositions and laminated members produced therewith. 3,013,916, 12–19–61, Cl. 154—43.

Boise, Robert N.: *See*—
Pratt, James O. 2,966,716.

Boisture, Worth W.: *See*—
Voorhies, Alexis, Jr., Nicholson, and Boisture. 2,989,382.

Boiten, Roelf G., to The Budd Co. Load-cell devices. 2,995,034, 8–8–61, Cl. 73—141.

Boitnott, Boyd D. Instrument for airborne measuring of derivatives of the vertical component of the earth's gravity field. 3,011,347, 12–5–61, Cl. 73—382.

Boitscha, Herbert E., to Bettendorf Bakery Equipment Co. Bread slicing machine sharpening means. 2,997,826, 8–29–61, Cl. 51—249.

Boivie, Jean I. R.: *See*—
Lindsjo, Anders F. N., and Boivie. 2,987,241.

Boivin, Edward J.: *See*—
Currie, Frank L., Light, Boivin, Turner, and Hildreth. 2,998,478.

Boivin, Horace. Sponge back floor covering. 3,002,868, 10–3–61, Cl. 154—49.

Bok, Cornelis, to N.V. Novivlas. Method and apparatus for the automatic dosing of bast fibre stalks. 3,009,210, 11–21–61, Cl. 19—12.

Bok, Edward: *See*—
Bok, Hendrik F. and E. 2,980,339.
Bok, Hendrik F. and E. 3,013,730.

Bok, Hendrik F. and E. Paint spraying apparatus. 2,980,339, 4–18–61, Cl. 239—135.

Bok, Hendrik F. and E. Spray painting apparatus. 3,013,730, 12–19–61, Cl. 239—125.

Bok, Roelof. Film conveying device for a mirror camera. 3,007,382, 11–7–61, Cl. 95—11.

Bokesch, Elmer R.: *See*—
Achorn, Glenwood B., Jr., Bokesch, Dapper, Lebherz, Schwab, Smith, Rawson, and Metcalfe. 2,981,660.

Bol, Arie, P. J. M. Tacken, C. J. M. van der Laan, and G. Baas, to North American Philips Co., Inc. Current inlet member. 3,006,984, 10–31–61, Cl. 174—151.

Bol, Arie, and C. A. M. Klaassen, to North American Philips Co., Inc. Method of securing ceramic articles to one another or to metal articles. 3,010,188, 11–28–61, Cl. 29—180.

Bold, John W., to National Cornice Works. Pilot for gas operated hot food tables. 2,997,040, 8–22–61, Cl. 126—39.

Bolding, Hubert V., to Standard Packaging Corp. Packaging folder. 2,978,165, 4–4–61, Cl. 229—87.

Bolding, Hubert V., to Standard Packaging Corp. Method of manufacture of box and structure thereof. 2,980,308, 4–18–61, Cl. 229—31.

Bolding, Richard D. Flush tank deodorizer and sanitizer. 2,983,929, 5–16–61, Cl. 4—228.

Bolef, Dan I., and P. F. Chester, to Westinghouse Electric Corp. Maser. 2,993,176, 7–18–61, Cl. 330—4.

Bolef, Dan I., and P. F. Chester, to Westinghouse Electric Corp. Frequency converter. 2,997,581, 8–22–61, Cl. 250—20.

Bolenbach, Adolf. Saw and method for tongue and groove joints. 2,974,692, 3–14–61, Cl. 143—38.

Bolenbach, Adolf. Sun visor. 3,003,813, 10–10–61, Cl. 296—97.

Boles, Lester A., H. C. Lundgren, and D. M. Daniel, to Basic Vegetable Products, Inc. Onion topper and slicer. 2,974,699, 3–14–61, Cl. 146—83.

Bolesky, John D., and R. M. Morris, to Therm-O-Disc, Inc. Thermostatic controls. 2,973,419, 2–28–61, Cl. 200—138.

Boli, Louis G., to The Garrett Corp. High pressure air compressor. 3,014,639, 12–26–61, Cl. 230—57.

Bolie, Victor W., to Iowa State College Research Foundation, Inc. Device for teaching Morse code. 2,976,619, 3–28–61, Cl. 35—8.

Bolie, Victor W., to Collins Radio Co. Simulated perspective display of aircraft landing strip on cathode ray tube. 2,988,821, 6–20–61, Cl. 35—10.4.

Boling, Cecil, to Dunham-Bush, Inc. Evaporative cooling tower and the like. 2,971,750, 2–14–61, Cl. 261—111.

Bolinger, Donald B. Wheel and swivel brake device. 2,980,944, 4–25–61, Cl. 16—35.

Bolinger, George F., to Sta-Rite Ginnie Lou, Inc. Carton for merchandising display cards. 2,967,611, 1–10–61, Cl. 206—57.

Bolinger, George N., to Sta-Rite Ginnie Lou, Inc. Curl clip. 2,980,118, 4–18–61, Cl. 132—48.

Bolkcom, Wilbur T.: *See*—
Knapp, William E., and Bolkcom. 2,980,529.

Bolkow-Entwicklungen Kommanditgesellschaft: *See*—
Planitzer, Erich. 2,979,285.

Bolkow, Ludwig: *See*—
Hermann, Joachim, and Bronner. 3,011,124.

Boll, Richard: *See*—
Assmus, Fritz, Boll, Detert, Ganz, Ibe, and Pfeifer. 2,992,952.

Bollefer, Dwight L. Ice cube making machine. 2,978,882, 4–11–61, Cl. 62—347.

Bolleter, Albert, and E. Moser, to Ciba Ltd. Process for the production of neutrally developable textile prints. 2,970,030, 1–31–61, Cl. 8—71.

Bollenbacher, Hans: *See*—
Bertaux, Walter S., Bollenbacher, and Shackelford. 2,984,970.

Bollenback, Carol H., to Nalco Chemical Co. Method of producing biologically active solutions. 3,011,940, 12–5–61, Cl. 167—31.

Boller, Robert A., to Archer-Daniels-Midland Co. Modified oil copolymer emulsions and process of preparing the same. 2,992,197, 7–11–61, Cl. 260—22.

Bollibon, George E., and M. Stark, to Westinghouse Electric Corp. Motor-pump unit. 2,972,309, 2–21–61, Cl. 103—87.

Bollibon, George T., and E. A. Macha, to Westinghouse Electric Corp. Sealed dynamoelectric machine. 3,013,500, 12–19–61, Cl. 103—87.

Bolliger, Edwin: *See*—
Moser, Henry W., and Bolliger. 3,003,380.

Bolliger, Frederic E., to The Garrett Corp. Power transmission with speed control. 2,995,049, 8–8–61, Cl. 74—687.

Bolling, Charles L., and C. R. Stevenson, to Smith, Kline & French Laboratories. Phenylacyclopropylamine-10-(ω-aminoalkyl)-phenothiazine ataractic composition. 3,011,945, 12–5–61, Cl. 167—65.

Bollman, Geo. W., & Co., Inc.: *See*—
Reider, Malcolm J. 2,979,781.

Bollmeier, Emil W., and L. F. Vokaty, to Minnesota Mining & Mfg. Co. Protection of wire-splices. 2,967,795, 1–10–61, Cl. 154—2.22.

Bolmes, Henry G., to The Fulton Co. Trailer coupling. 2,982,567, 5–2–61, Cl. 280—512.

Bolsey, Jacques, to Am-Bol Corp. Film counter and spring tension indicators. 2,979,985, 4–18–61, Cl. 88—16.

Bolsey, Jacques. Automatic diaphragm adjusting arrangement for cameras and the like. 2,989,908, 6–27–61, Cl. 95—64.

Bolstad, Archibald N., and J. M. Hoyt, to Minnesota Mining and Mfg. Co. Fluorobutadiene copolymers. 2,996,487, 8–15–61, Cl. 260—87.7.

Bolstad, Archibald N., and F. W. West, to Minnesota Mining and Mfg. Co. Polymerization of fluorine substituted olefins in the presence of perfluorochloro-carboxylic acids and salts thereof, and resulting latex. 3,006,881, 10–31–61, Cl. 260—29.6.

Bolstad, Luther L., to Minneapolis-Honeywell Regulator Co. Molding apparatus. 2,979,773, 4-18-61, Cl. 18—34.

Bolt Beranek & Newman, Inc.: *See*—
Gardner, Wallace J., and Licklider. 2,986,140.
Watters, Bill G. 3,000,464.

Bolt, Gerard H.: *See*—
Alexander, Guy B., and Bolt. 3,007,878.

Bolt, Robert O., to United States of America, Atomic Energy Commission. Method of opposing irradiation-induced viscosity increase in employment of organic fluids. 3,005,760, 10-24-61, Cl. 204—154.2.

Bolt, Robert O., and J. G. Carroll, to United States of America, Atomic Energy Commission. Method of resisting radiation damage to organic fluids and compositions therefor. 2,967,827, 1-10-61, Cl. 252—28.

Bolt, Robert O., J. G. Carroll, and J. R. Wright, to United States of America, Atomic Energy Commission. Process for preparing V.I.-improving agents. 2,987,457, 6-6-61, Cl. 204—162.

Bolton, Benjamin A.: *See*—
Van Strien, Richard E., and Bolton. 2,985,603.

Bolton, Charles B.: *See*—
Parry, Robert D. 2,996,269.

Bolton, Denis, to Westinghouse Electric Corp. Amplifier circuits. 2,970,253, 1-31-61, Cl. 321—25.

Bolton, Evelyn M.: *See*—
Bolton, Ralph E. 2,970,507.

Bolton, Hugh D. Twine tension relief device for balers. 2,968,233, 1-17-61, Cl. 100—5.

Bolton, Ivor W.: *See*—
Braggs, Cecil, and Bolton. 2,989,904.

Bolton, John A., and P. S. Calderon, 33⅓ to J. Anderson. Screening of irrigation water. 2,995,252, 8-8-61, Cl. 210—232.

Bolton, John W., & Sons, Inc.: *See*—
Prevost, Bruno E. 3,004,724.
Prevost, Bruno E. 3,004,725.

Bolton, Kenyon C.: *See*—
Parry, Robert D. 2,996,269.

Bolton, Paul D. Aircraft engine thrust compensator. 2,988,304, 6-13-61, Cl. 244—63.

Bolton, Ralph E., deceased, by E. M. Bolton, administratrix, to Aeolian-Skinner Organ Co., Inc. Organ reed pipe. 2,970,507, 2-7-61, Cl. 84—350.

Bolton, Wallis D., to International Business Machines Corp. Xerographic printer. 2,987,037, 6-6-61, Cl. 118—637.

Bolton, Wilbur M.: *See*—
Breining, Elmer R., and Bolton. 2,985,509.
Breining, Elmer R., Bolton, and Deutscher. 2,990,295.

Bolton, Wilbur M., to Union Carbide Corp. Masking material particularly for gas plating processes. 2,970,064, 1-31-61, Cl. 117—5.5.

Bolton, Wilbur M., and R. L. Ruse, to Union Carbide Corp. Method and apparatus for gas plating nickel films with uniformity of resistance. 3,004,866, 10-17-61, Cl. 117—107.

Bolz, Richard A.: *See*—
Hillman, Leon, and Bolz. 3,005,462.

Bolzmann, Hans, to Electroacustic Gesellschaft mit beschrankter Haftung. Echo sounder for ships. 3,013,246, 12-12-61, Cl. 340—3.

Bomac Industries Ltd.: *See*—
Boyce, Reginald D. 2,982,683.

Bomac Laboratories Inc.: *See*—
Duffy, John M., and Heins. 2,978,609.
Hamilton, Milton R. 2,976,552.
Hamilton, Milton R., and Tremblay. 2,971,172.

Bomag Bopparder Maschinenbaugesellschaft m.b.H.: *See*—
Kaltenegger, Benno. 3,000,278.

Bombardier, Joseph A. Tree delimbing jaws. 2,989,097, 6-20-61, Cl. 144—208.

Bombardier, Joseph A. Tree holding means for motor vehicles. 3,008,731, 11-14-61, Cl. 280—179.

Bombarger, Berton B., and F. J. Hill. Auto and boat emergency kit. 2,990,944, 7-4-61, Cl. 206—1.

Bombarger, Glen E. Fish box or the like. 2,983,400, 5-9-61, Cl. 220—7.

Bombi, Walter M., J. E. Phillips, and C. H. Watson, to United States of America, Navy. Fluid control system for torpedoes. 2,974,619, 3-14-61, Cl. 114—20.

Bomford & Evershed Ltd.: *See*—
Fox, John V. 3,013,350.

Bomke, Hans A., G. H. Minnerly, and J. W. Mount, to United States of America, Army. Microwave modulation system. 3,003,125, 10-3-61, Cl. 332—51.

Bomm, Heinz, and K. Berghaus, to Dorken & Mankel K.G. Door closing mechanism. 3,011,208, 12-5-61, Cl. 16—59.

Bommer, Galen N. Wringer mop. 3,008,163, 11-14-61, Cl. 15—119.

Bommerscheim, Charles H.: *See*—
Tsien, Vee C., and Bommerscheim. 2,985,566.

Bommerscheim, Charles H., to Savage Plating & Anodizing Co., Inc. Process for plating a selective surface within a groove. 3,014,851, 12-26-61, Cl. 204—15.

Bomzer, Herbert W.: *See*—
Gold, Edward, and Bomzer. 2,977,228.
Kaplan, Sidney J., Bomzer, Smith, and Gold. 2,973,587.
Senitsky, Benjamin, and Bomzer. 2,994,966.
Zabb, Norman J., and Bomzer. 2,970,767.

Bomzer, Herbert W., B. Senitzky, and F. W. Smith, to Sperry Rand Corp., Ford Instrument Co. Division. Optical simulator for radar prediction. 2,984,915, 5-23-61, Cl. 35—10.4.

Bomzer, Herbert W., E. Gold, W. M. Wirfel, and F. B. Smith, to The Sperry Rand Corp., Ford Instrument Co. Division. Radar predictor storage and playback system. 3,002,801, 10-3-61, Cl. 346—74.

Bonaldi, Giacomo M. Garment hanger. 2,970,725, 2-7-61, Cl. 223—88.

Bonaldi, Giacomo M. Form to be used with garment hanger. 2,973,887, 3-7-61, Cl. 223—88.

Bonanno, Joseph L., to The Lionel Corp. Operating brakeman. 2,975,552, 3-21-61, Cl. 46—245.

Bonanno, Joseph L., to The Lionel Corp. Automatic tie-dumping system. 2,981,031, 4-25-61, Cl. 46—40.

Bonanno, Joseph L., to The Lionel Corp. Plastic truck. 2,987,851, 6-13-61, Cl. 46—218.

Bonanno, Joseph L., to The Lionel Corp. Toy railroad car with operating search light. 2,990,644, 7-4-61, Cl. 46—226.

Bonanno, Joseph L., to The Lionel Corp. Smoke generator. 3,003,279, 10-10-61, Cl. 46—9.

Bonanno, Joseph L., to The Lionel Corp. Track mounted accessory clip. 3,009,026, 11-14-61, Cl. 191—29.

Bonarrigo, Paul J., to Pennsylvania Sewing Research Corp. Pleat-forming devices. 3,010,621, 11-28-61, Cl. 223—31.

Bond, Beverly B., to Ronson Corp. Cord and clip therefor. 3,008,571, 11-14-61, Cl. 206—46.

Bond, Donald C., to The Pure Oil Co. Bacteriological method of oil recovery. 2,975,835, 3-21-61, Cl. 166—42.

Bond, Donald C., and E. J. O'Brien, to The Pure Oil Co. Selective plugging between contiguous strata. 3,013,607, 12-19-61, Cl. 166—10.

Bond, Edward L. Adjustable spanner wrench. 2,991,676, 7-11-61, Cl. 81—90.

Bond, George R., Jr., to Houdry Process Corp. Purification of heterocyclic organic nitrogen compounds. 2,982,771, 5-2-61, Cl. 260—319.

Bond, George R., Jr., to Houdry Process Corp. Preparation of active contact masses from kaolin clays. 2,985,595, 5-23-61, Cl. 252—437.

Bond, Harry L. F.: *See*—
Russell, Robert G., and Bond. 2,990,129.

Bond, Herbert M., and G. L. Groff, to Minnesota Mining and Mfg. Co. Self-fusing tape. 3,006,463, 10-31-61, Cl. 206—59.

Bond, James A., to Philips Electronics Industries Ltd. Pin and ball elevator release mechanism. 3,004,759, 10-17-61, Cl. 273—43.

Bond, Joseph N.: *See*—
Barr, Irwin R., Bond, Gore, and La Costa. 3,004,475.

Bond, Joseph N., and J. H. Bachmann, to Western Coat Pad Co. Automatic guided sewing apparatus. 3,001,489, 9-26-61, Cl. 112—2.

Bond, Lebna E. Kinesthetic visual teaching aid. 2,972,821, 2-28-61, Cl. 35—60.

Bond, Marshall L.: *See*—
Bell, Robert F., Jr., and Bond. 3,007,546.

Bond, Scott R.: *See*—
Lendle, Siegfried, and Bond. 2,975,932.

Bondley, Ralph J., to General Electric Co. Phonograph stylus. 2,992,007, 7-11-61, Cl. 274—38.

Bondon, Lewis A. Insulated-electrical conductor and method of manufacture. 2,998,472, 8-29-61, Cl. 174—28.

Bondon, Lewis A. Connectors for rods or tubes. 3,010,747, 11-28-61, Cl. 287—116.

Bondra, John J.: *See*—
Brueggeman, Leo J., Fischer, Bondra, and Canzoneri. 2,974,529.

Bond Street Jewel Case Corp.: *See*—
Gross, William L. 3,000,685.

Bondurant, Carlton W.: *See*—
Wood, Charles W., and Bondurant. 2,967,022.
Wood, Charles W., Bondurant, and Brown. 2,987,256.

Bone, Herbert L., and D. P. Fitzsimmons, to Westinghouse Air Brake Co. Vehicle weighing devices. 3,009,056, 11-14-61, Cl. 246—251.

Bone, Kenneth C.: *See*—
Humby, Edward T., and Bone. 3,014,728.

Bone, Sidney W. Ticket machine. 2,983,187, 5-9-61, Cl. 88—24.

Boneff, Theodore. Razor blade honing machine. 2,976,651, 3-28-61, Cl. 51—111.

Bonetti, Giovanni A., to The Atlantic Refining Co. Production of trinitrotoluene. 3,000,972, 9-19-61, Cl. 260—645.

Bonetti, Giovanni A., and V. J. Keenan, to The Atlantic Refining Co. Long chain alkylbenzene diisocyanates. 2,986,576, 5-30-61, Cl. 260—453.

Bongard, Wilhelm, E. Müller, O. Bayer, and M. Theis, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Polyethers. 2,991,313, 7-4-61, Cl. 260—613.

Bongiovanni, John C., to The Osborn Mfg. Co. Roll supporting means. 2,974,397, 3-14-61, Cl. 29—81.

Bongiovanni, John C., to The Osborn Mfg. Co. Self-cooling rotary brush. 2,994,898, 8-8-61, Cl. 15—182.

Bongiovanni, John C., to The Osborn Mfg. Co. Brush unit and drive means therefor. 3,002,503, 10-3-61, Cl. 121—45.

Bongiovanni, John P. Gable line holders and the like. 2,991,557, 7-11-61, Cl. 33—85.

Bongrain, Herve L. E. M., and M. A. Agon. Radiation meter incorporating a radioactive element. 2,970,799, 4-18-61, Cl. 250—83.5.

Bonham, Don L. Vibrato circuit comprising a bridge having non-linear impedance elements. 2,988,706, 6-13-61, Cl. 331—50.

Bonham, Lewis L., H. Montague, III, and H. E. Culver, to United States of America, Navy. Method of frequency sweeping a pulsed oscillator. 2,975,378, 3–14–61, Cl. 332—17.
Boni, Frank, Jr.: *See*—
Gardner, Karl A., and Boni. 2,995,343.
Bonidie, James A. Railroad car bed. 2,994,159, 8–1–61, Cl. 46—218.
Bonifaci, Leonard P.: *See*—
Truly, Richard H., Jr., Bonifaci, and Beckelman. 2,968,-147.
Bonifield, Lester, 20% to W. G. Perkins, and 20% to G. R. Perkins. Exhaust treatment device. 3,013,546, 12–19–61, Cl. 123—119.
Bonilla, Antonio. Method of cold waving hair and product therefor. 2,991,790, 7–11–61, Cl. 132—7.
Bonin, John H., to United States of America, Army. Heat protective outfit. 2,966,684, 1–3–61, Cl. 2—81.
Bonino, Stephen, Jr.: *See*—
Bourguet, Jean M., and Bonino. 2,977,154.
Bönisch, Josef: *See*—
Göpfert, Herbert, and Bönisch. 2,986,067.
Bonito, Vincent, and V. P. Ferlanti. Wire stripping tool. 2,968,096, 1–17–61, Cl. 30—91.
Bonk, Casimir J.: *See*—
Guthrie, John M., Bonk, Allardt, Ashley, Burkheimer, and Smith. 3,010,677.
Bonmartini, Francesco G., and W. C. Pattenden, to Esso Research and Engineering Co. Grease composition containing lithium salt of an ester of an acid phosphate. 3,000,821, 9–19–61, Cl. 252—32.5.
Bonmartini, Giovanni. Resilient torque-transmitting hinge structure. 2,987,332, 6–6–61, Cl. 287—85.
Bonmartini, Giovanni. Parking device for vehicles. 3,013,623, 12–19–61, Cl. 180—1.
Bonn, John L., and D. E. Gardner, to United States of America, National Aeronautics and Space Administration. Wire grid forming apparatus. 2,991,671, 7–11–61, Cl. 78—1.
Bonn, Theodore H., to Sperry Rand Corp. Means for eliminating "sneak" currents in cascaded magnetic amplifiers. 2,970,295, 1–31–61, Cl. 340—174.
Bonn, Theodore H., to Sperry Rand Corp. Gate-buffer chains. 2,972,129, 2–14–61, Cl. 340—174.
Bonn, Theodore H. Magnetic gates and buffers. 2,987,708, 6–6–61, Cl. 340—174.
Bonn, Theodore H., to Sperry Rand Corp. Magnetic gate and head switching network employing the same. 2,987,-709, 6–6–61, Cl. 340—174.1.
Bonn, Theodore H., to Sperry Rand Corp. Magnetic amplifier without ringback. 3,001,084, 9–19–61, Cl. 307—88.
Bonn, Theodore H., and R. W. Spencer, to Sperry Rand Corp. Biased carrier for magnetic amplifiers. 2,972,059, 2–14–61, Cl. 307—88.
Bonn, Theodore H., and J. D. Lawrence, Jr., to Sperry Rand Corp. Magnetic cores for gates, buffers and function tables. 2,979,698, 4–11–61, Cl. 340—174.
Bonn, Theodore H., and J. P. Eckert, Jr., to Sperry Rand Corp. Signal translating device. 2,997,599, 8–22–61, Cl. 307—88.
Bonnell, Mae: *See*—
Camp, Marvin E. 2,992,436.
Camp, Marvin E. 2,993,088.
Bonnell, William L.: *See*—
Camp, Marvin E. 2,992,436.
Camp, Marvin E. 2,993,088.
Bonnell, William L., Co., Inc., The: *See*—
Gault, Kenneth W. 2,999,802.
Ong, Eric, and Brockway. 2,990,802.
Bonner, Edward C., deceased; M. Bonner, administratrix. Volatilizable gas driven engine. 2,976,675, 3–28–61, Cl. 60—25.
Bonner, Frank E., and R. L. Ruse, to The Commonwealth Engineering Co. of Ohio. Speed signal device operated from oil pressure line. 2,987,714, 6–6–61, Cl. 340—263.
Bonner, Harry W. Speed control for bar machines. 2,990,-918, 7–4–61, Cl. 188—75.
Bonner, Howard T. Signal controlled apparatus. 3,002,140, 9–26–61, Cl. 318—267.
Bonner, Mary: *See*—
Bonner, Edward C. 2,976,675.
Bonner, Olga B.: *See*—
Schwab, Max. 2,999,575.
Bonner, Orville R., to General Electric Co. Portable rolling tool. 2,982,331, 5–2–61, Cl. 153—29.
Bonner, Raymond E.: *See*—
Trapnell, Frederick M., Jr., and Bonner. 3,001,147.
Bonner, Tom W., and W. R. Mills, to Socony Mobil Oil Co., Inc. Three element triple coincidence compton spectrometer. 2,992,331, 7–11–61, Cl. 250—71.5.
Bonner, Willard H., Jr.: *See*—
Schutze, Henry G., and Bonner. 3,005,807.
Bonney Forge & Tool Works: *See*—
Jackson, William M. 2,981,556.
Bonney, Herman W., to Sylvania Electric Products Inc. Electron tube. 3,003,076, 10–3–61, Cl. 313—286.
Bonney, James C., D. W. Chandler, and A. E. Wisler, to Hughes Tool Co. Protection of tool joints. 2,985,492, 5–23–61, Cl. 308—4.
Bonnier, Etienne L.: *See*—
Andrieux, Jean L., and Bonnier. 2,977,218.
Bono, Joseph J., and C. J. Roos, to American Heat-Seal, Inc. Pouch and method of making same. 2,999,521, 9–12–61, Cl. 150—13.
Bonomo, Giovanni, to Carrara & Matta S.p.A. Refuse container. 2,977,175, 3–28–61, Cl. 312—328.
Bonomo, Joseph, P. De Iorio, and J. Coffaro, to said De Iorio. Dough mixing machine. 2,992,813, 7–18–61, Cl. 259—40.
Bonomo, Melvin E.: *See*—
Lapp, Ellsworth W. 2,981,099.
Bonomo, Melvin E., and J. O. Bradford. Pressure responsive means. 2,993,369, 7–25–61, Cl. 73—116.
Bonotto, Michele, ½ to McCormick & Co., Inc. and ½ to said Bonotto, R. M. Webster, and J. Gola, Jr. Coffee bean products and methods for producing such products. 2,970,914, 2–7–61, Cl. 99—71.
Bonovich, George C. Bowlers' aid. 3,000,633, 9–19–61, Cl. 273—54.
Bonsall, Audrey V.: *See*—
Bonsall, Frank, and Massey. 2,994,196.
Bonsall, Frank, deceased (A. V. Bonsall, administratrix), and B. S. Massey; said F. Bonsall and Massey assors. to Bristol Aero-Engines Ltd. Flame tubes for use in combustion systems of gas turbine engines. 2,994,196, 8–1–61, Cl. 60—39.65.
Bonsch, Francois R., to Block & Anderson Ltd. Hectographic duplicating machines. 2,980,014, 4–18–61, Cl. 101—91.
Bontecue, Frederic C., and L. A. Bartelheim, to Plastic Precision Parts Co. Pre-wired circuit panel. 2,984,697, 5–16–61, Cl. 174—68.5.
Bontempi, Joseph, and A. J. Katz, to A. Lorenz. Reclining chair and hardware therefor. 2,984,293, 5–16–61, Cl. 155—107.
Bontempi, Joseph, and A. J. Katz, to A. Lorenz. Upholstered chairs having reclining backs. 3,008,766, 11–14–61, Cl. 297—403.
Bonzagni, Francis A., to Monsanto Chemical Co. Paper sizing. 2,995,483, 8–8–61, Cl. 162—180.
Bonzer, Lawrence W., to G & B Mfg. Co., Inc. Portable car and beverage cooler. 2,998,714, 9–5–61, Cl. 62—312.
Boo, Jose B. Chair stool, applicable to different purposes. 2,991,122, 7–4–61, Cl. 297—3.
Boode, Carl N.: *See*—
Bourns, Marlan E., Boode, and O'Brian. 2,999,995.
Bourns, Marlan E., Boode, and O'Brian. 3,005,172.
Booher, Harold E. Welding electrode holder. 2,976,396, 3–21–61, Cl. 219—138.
Book, Eric G., to Andrew Corp. Coaxial stub tuner. 2,968,-776, 1–17–61, Cl. 333—82.
Book, Harold M. Fluid distribution control system. 2,991,481, 7–11–61, Cl. 4—1.
Book, Wilhelm: *See*—
Nitzki, Leopold, and Book. 3,014,449.
Booker, Peachy. Flying landing platform. 3,003,717, 10–10–61, Cl. 244—2.
Bookout, Charles C., S. W. Sattavara, and P. E. Taylor, to Ford Motor Co. Hydrostatic drive. 2,988,889, 6–20–61, Cl. 60—53.
Bookout, Floyd V., T. L. Hanson, and D. W. McBride, to The Vendo Co. Coin actuated operating mechanism for vending machines. 2,980,224, 4–18–61, Cl. 194—13.
Boomer, Daryl R., E. T. Clapperton, and R. C. Phillips, to Wooduse, Inc. Process for conversion of ligno-cellulose materials. 2,985,643, 5–23–61, Cl. 260—124.
Boon, Joseph L., to Eastman Kodak Co. Exposure control in color printing. 2,997,389, 8–22–61, Cl. 96—23.
Boone, James L.: *See*—
McCloskey, Allen L., Brotherton, and Boone. 3,006,730.
Boone, Philip. Display systems, devices and products employing polarized light. 2,977,845, 4–4–61, Cl. 88—24.
Boone, Walter D. Kite string trolley. 3,003,723, 10–10–61, Cl. 244—155.
Boonstra, Bram B. S. T., to Cabot Corp. Process for extrusion and continuous cure of polymeric compositions. 2,972,780, 2–28–61, Cl. 18—55.
Boonton Molding Co.: *See*—
Goldman, Stanley H. 3,010,569.
Boos, Walter R.: *See*—
Manske, Richard H. F., Ledingham, and Boos. 3,005,783.
Boosinger, Thomas H., and E. J. Sweet, to United States of America, Navy. Fuel nozzle anti-coking cap. 2,970,772, 2–7–61, Cl. 239—105.
Boostair Corp.: *See*—
Bennett, Michael W. 2,972,941.
Booth, Albert B.: *See*—
Bain, Joseph P., and Booth. 2,972,631.
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Booth, Albert B., to The Glidden Company. Hydrogenolysis of verbanol to produce ortho menthol. 2,972,635, 2–21–61, Cl. 260—631.
Booth, Albert N.: *See*—
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Booth, Archibald A. K., Jr.: *See*—
Saarivirta, Matti J., Booth, and Burgmeister. 2,976,192.
Booth, Ben J. Roof assembly for a roof expansion joint. 2,966,764, 1–3–61, Cl. 50—209.
Booth, Christopher H.: *See*—
Oxford, Leonard G., and Booth. 2,984,892.
Booth, Christopher H., to Simmonds Aerocessories Ltd. Cutting and abrading machines. 2,982,005, 5–2–61, Cl. 29—76.
Booth, Christopher H., to Simmonds Aerocessories Ltd. Rotatable cutting or abrading tools. 2,982,006, 5–2–61, Cl. 29—78.

Booth, Douglas G., and R. S. Wood, to The Plessey Co. Ltd. Journal bearing. 2,986,096, 5–30–61, Cl. 103—126.

Booth, Edmond P. O. Belt conveyor supporting means. 2,973,083, 2–28–61, Cl. 198—184.

Booth, Eugene C.: *See*—
Achor, William E., and Booth. 2,974,213.

Booth, Eugene C., to Thompson Ramo Wooldridge Inc. Resistance metal gathering machine. 2,969,455, 1–24–61, Cl. 219—151.

Booth, Julian B., Jr.: *See*—
Morehouse, Charles R., and Booth. 2,974,802.

Booth, Landon W. Pruner. 2,980,995, 4–25–61, Cl. 30—144.

Booth, Peter H., to Orenda Engines Ltd. Method and apparatus for securing skin to a core. 2,979,808, 4–18–61, Cl. 29—156.8.

Booth, Robert B.: *See*—
Carpenter, Erwin L., and Booth. 2,984,354.

Booth, Seth W. Inertia switch and means controlled thereby. 2,968,240, 1–17–61. Cl. 102—16.

Booth, Seth W. Fuze for a bomb. 2,987,998, 6–13–61, Cl. 102—70.2.

Booth, William J., and A. P. Schacht. Pipe cutting machine. 2,995,353, 8–8–61, Cl. 266—23.

Boothe, James H., and A. Green, to American Cyanamid Co. Bromoanhydro 12a-bromo-12a-deoxydedimethylaminotetracycline. 3,013,075, 12–12–61, Cl. 260—559.

Boothroyd, Wilson P., to Philco Corp. Beam indexing system having automatic width control during color reception. 2,974,189, 3–7–61, Cl. 178—5.4.

Boothroyd, Wilson P., to Philco Corp. Positioning mechanism. 2,997,536, 8–22–61. Cl. 178—6.

Booton, Herman, and H. Neil, to W. E. Booton, Ltd. Circular knitting machines. 2,975,622, 3–21–61, Cl. 66—149.

Booton, W. E., Ltd.: *See*—
Booton, Herman, and Neal. 2,975,622.

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Stevenson, Herbert A., Marshall, and Hams. 2,980,668.

Boots, William C., to Foster Metal Products Inc. Adjustable connecting device for wrist watch bracelets. 2,986,794, 6–6–61, Cl. 24—265.

Boozenny, Alex, M. H. Kleinman, and A. R. Tarsey, to Titanium Metals Corp. of America. Purification of crude titanium metal. 2,992,098, 7–11–61, Cl. 75—84.5.

Bop-Decker Plastics, Inc.: *See*—
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Bopp, Anton. Accumulator. 2,988,583, 6–13–61, Cl. 136—6.

Bopp, Cecil W., to Bopp Mfg., Inc. Load-handling apparatus for building blocks and the like. 2,974,812, 3–14–61, Cl. 214—6.

Bopp, Cecil W., to Bopp Mfg., Inc. Material-handling apparatus. 2,998,149, 8–29–61, Cl. 214—75.

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Bopp, Cecil W. 2,998,149.

Borah, John E. Ball retriever. 2,968,509, 1–17–61, Cl. 294—19.

Borah, John E. Utility holder. 2,968,888, 1–24–61, Cl. 45—28.

Borah, John E. Press with power device for opening and handling multiple section molds. 2,983,953, 5–16–61, Cl. 18—16.

Borah, John E. Container spout and gasket combination. 2,993,628, 7–25–61, Cl. 222—530.

Borah, John E. Bumper, bumper-guards and yieldable mounting therefor. 2,993,722, 7–25–61, Cl. 293—71.

Borbe, Erich: *See*—
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Borcher, Charles A. Demolition firing device. 2,982,209, 5–2–61, Cl. 102—22.

Borcherdt, Gerald T., to E. I. du Pont de Nemours and Co. Electro-magnetic-radiation-absorptive article and method of manufacturing the same. 2,992,426, 7–11–61, Cl. 343—18.

Borchers, Ariel G. Induced-lift aircraft. 2,972,455, 2–21–61, Cl. 244—12.

Borchers, Heinz, D. Evers, and H. Gumprecht, to Accumulatoren-Fabrik Aktiengesellschaft. Lead-antimony alloy for battery plate grids. 2,993,785, 7–25–61, Cl. 75—166.

Borchers, Heinz, D. Evers, and H. Gumprecht, to Accumulatoren-Fabrik Aktiengesellschaft. Process for the treatment of alloys. 3,008,853, 11–14–61, Cl. 148—11.5.

Borchers, Henning H., T. N. Gillich, and F. W. von Meister, to Azoplate Corp. Reinforced printing plate. 3,010,394, 11–28–61, Cl. 101—395.

Borchert, Peter, to Miles Laboratories, Inc. Composition prepared by reacting formaldehyde with a urea-oxidized starch reaction product and process of making. 3,009,889, 11–21–61, Cl. 260—17.3.

Borchert, Peter J., to Miles Laboratories, Inc. Preparation of a urea-dialdehyde starch derivative. 3,001,979, 9–26–61, Cl. 260—96.5.

Borch-Madsen, Andreas V. Multi-color printing on continuous metal bands. 2,969,733, 1–31–61, Cl. 101—181.

Borden Co., The: *See*—
Angerer, Carl L., and Wilson. 3,012,889.
Breslouf, Morris, and Stenuis. 3,011,985.
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Duncan, Robert E., and Erekson. 3,001,486.
Dutchess, Wilbur E. 3,014,437.
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Hale, James F., Klein, and Bradway. 2,980,543.
Halpern, Benjamin D., Karo, and Gapsch. 3,006,901.
Halpern, Benjamin D., and Krueger. 3,011,954.
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Williams, Alexander W., Beckman, and Mook. 3,001,878.
Wolf, Raymond B. 2,980,538.

Borden, Howard C., to A. B. Dick Co. Electrostatic writing tube. 2,978,607, 4–4–61, Cl. 315—12.

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Borell, James J. Musical instrument. 2,971,421, 2–14–61, Cl. 84—170.

Borella, Joseph A. Rotary feeders for conveyor systems. 2,968,426, 1–17–61, Cl. 222—313.

Borenstein, Martin. Furniture. 2,978,710, 4–11–61, Cl. 5—37.

Borer, Anton. Apparatus for testing the oscillating properties of the balance wheel of a watch or clock. 3,002,371, 10–3–61, Cl. 73—6.

Boresch, Carl, to Farbenfabriken Bayer Aktiengesellschaft. Complex chromic compounds. 2,999,768, 9–12–61, Cl. 117—121.

Boresch, Carl, and M. Quaedvlieg, to Farbenfabriken Bayer Aktiengesellschaft. Alkylamine reaction products. 2,976,316, 3–21–61, Cl. 260—501.

Boretti, Napoleon P., A. F. Hessler, and T. W. Shearer, Jr., to General Motors Corp. Method and apparatus for forming holes in sheet metal. 2,978,569, 4–4–61, Cl. 219—69.

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Burtnett, Everett R. 3,000,234.
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Chadburn, Robert A. 2,981,520.
Chuba, Paul E., and Waclawek. 2,986,404.
Coolidge, John E., and Brown. 3,004,212.
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Farrell, Eugene F. 2,990,163.
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Fike, Russell R. 2,968,089.
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Garmager, Curt H. 3,010,555.
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Haberland, Fred C., and Moore. 2,979,902.
Haberland, Fred C., and Moore. 2,994,230.
Haberland, Frederick C. 3,004,555.
Harkness, John R. 3,010,325.
Harting, Glen R. 3,007,561.
Headings, William W. 2,977,983.
Hene, Lennart A. 2,968,352.
Herbert, Richard M. 3,006,612.
High, Carl F. 2,969,784.
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Holmes, Paul J. 3,002,391.
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Irvin, Howard H. 3,010,986.
Kruzan, Albert W. 2,978,232.
Leeson, Meldon G. 2,983,109.
Lewis, Alvin V. 2,969,677.
Lock, Thomas. 2,974,602.
Mamo, Anthony C. 2,994,197.
May, Charles W. 2,982,278.
Meddick, Lorrain D. 2,986,089.
Meyer, Wolfgang E. 3,006,511.
Miller, James A. 2,971,385.
Miller, James A. 2,990,727.
Murray, John F. 2,974,605.
Nielsen, Milton R., and Slouka. 2,984,876.
Norlin, Francis E. 2,977,887.
Norlin, Francis E. 2,989,066.
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Oliver, Delbert S. 2,990,783.
Oliver, Delbert S. 2,996,997.
Oliver, Delbert S. 3,011,448.
Olson, Otis J., and Slouka. 2,992,746.
Orr, Palmer. 2,968,190.
Orr, Palmer. 2,971,395.
Orr, Palmer. 2,978,058.
Orr, Palmer, and Kelbel. 3,010,343.
Palmer, Charles G., and Pickens. 3,005,135.
Paul, Albert. 3,000,543.
Poulter, Thomas C. 3,013,491.
Prijatel, Edward A., and Campbell. 2,980,132.
Puder, Allen T. 3,012,161.
Rose, Howard E. 3,007,860.
Rush, William F., and Watters. 3,004,919.
Russey, Edward S. 2,995,909.
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Schlumberger, Marcel. 2,994,269.
Shapter, Robert D. 2,996,809.
Shaw, Lyle F., and Baker. 2,994,206.
Smirl, Richard L. 3,001,415.
Snoy, Joseph B. 2,979,963.
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Stokely, Raymond E. 2,986,022.
Talamonti, John. 2,977,143.
Taylor, Raymond G., Jr. 2,966,690.
Taylor, Raymond G., Jr. 2,997,964.
Topel, Harry J. 2,990,068.
Tracy, Herbert E. 2,971,784.
Turechek, George F. 2,968,243.
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Wahlmark, Gunnar A. 2,980,025.
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Waldrop, Charles R. 2,989,225.
Woolley, Samuel J. 2,984,122.
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Borick, Paul M., and M. D. Bratt, to Bristol-Myers Co. Method of destroying lactobacilli employing mono (tetradecylamine) malonate. 3,003,915, 10–10–61, Cl. 167—22.

Boring, Stewart A., E. J. Speca, and S. J. Zierak, to The Air Preheater Corp. Regenerator. 2,985,434, 5–23–61, Cl. 257—245.

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Borke, Edwin P. Portable scaffold. 3,010,534, 11–28–61, Cl. 182—58.

Börke, Lars O., to Western Electric Co., Inc. Work position sensing means which renders tool inoperative in the event of improperly positioned work. 2,986,254, 5–30–61, Cl. 192—125.

Borkmann, Frank R., to American Can Co. Tape applying apparatus. 2,984,289, 5–16–61, Cl. 154—42.3.

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Borland, James B., and H. J. Batts, to United States Rubber Co. Adhesion of natural rubber to butyl rubber. 2,992,962, 7–18–61, Cl. 154—139.

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Moro, Antonio. 3,000,333.

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Born, Raymond W. Self-locking cylinder assembly. 2,967,512, 1–10–61, Cl. 121—40.

Born, Raymond W., to Hydraulic Engineering, Inc. Hydraulic jack assembly with synchronizing and flow equalizing valve mechanism. 2,984,072, 5–16–61, Cl. 60—97.

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Bornzin, James H., to International Harvester Co. Knotter cleaner for hay balers. 3,005,400, 10–24–61, Cl. 100—21.

Borodin, Daniel J., to Allied Research Products Inc. Work transfer device. 2,989,006, 6–20–61, Cl. 104—96.

Borodin, Daniel J., J. E. Campbell, and P. J. Ye, to Wagner Bros. Inc. Clamp. 3,014,717, 12–26–61, Cl. 269—189.

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Boron, Frank J., to American Brake Shoe Co. Furnace chunk breaker. 2,986,349, 5–30–61, Cl. 241—294.

Boron, Frank J., to American Brake Shoe Co. Furnace divider plates. 2,991,061, 7–4–61, Cl. 263—30.

Boron, Frank J., to American Brake Shoe Co. Furnace pallets. 2,997,287, 8–22–61, Cl. 266—21.

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Boronkay, Steven. Centrifugal honey extractor. 3,011,646, 12–5–61, Cl. 210—361.

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Borowik, Albert, to United States of America, Army. Process and composition for chemically treating titanium and its alloys. 2,974,021, 3–7–61, Cl. 41—42.

Borrel, Jean, P. Braffort, P. Janot, and J. Pottier, to Commissariat a l'Energie Atomique. Analogue devices for determining the partial derivatives of a function of several variables. 3,014,655, 12–26–61, Cl. 235—61.68.

Borrmann, Gerald F., and A. Hildebrand, to California Research Corp. Method and apparatus for anchoring Marine structures. 2,986,888, 6–6–61, Cl. 61—46.5.

Borrmann, Gerald F., E. R. Lind, and B. K. Rippe, to California Research Corp. Anchoring apparatus. 2,988,892, 6–20–61, Cl. 61—46.

Borrmann, Gerald F., and L. E. Johnson, to California Research Corp. Anchoring method and apparatus. 2,988,893, 6–20–61, Cl. 61—46.

Borroff, John D., and C. Reynolds, to Seiberling Rubber Co. Method of producing rubber heels. 2,985,919, 5–30–61, Cl. 18—59.

Borroff, John D., and C. Reynolds, to Seiberling Rubber Co. Method of making a cored heel. 2,985,920, 5–30–61, Cl. 18—59.

Borroff, John D., and C. Reynolds, to Seiberling Rubber Co. Rubber heel. 2,985,972, 5–30–61, Cl. 36—35.

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Borsoff, Victor N., and G. M. Calhoun, to Shell Oil Co. Lubricating oil compositions. 2,971,915, 2–14–61, Cl. 252—56.

Borst, Lyle B., to United States of America, Atomic Energy Commission. Neutronic reactor shielding. 2,992,175, 7–11–61, Cl. 204—193.2.

Borth, John C. Hose and connector for emergency use. 2,973,973, 3–7–61, Cl. 285—8.

Bortnick, Newman M., to Rohm & Haas Co. Adducts of heterocyclic amides. 2,972,618, 2–21–61, Cl. 260—309.5.

Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Bis iminopyrrolines. 2,975,189, 3–14–61, Cl. 260—318.

Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Condensed heterocyclic compounds. 2,984,665, 5–16–61, Cl. 260—251.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Condensed heterocyclic nitriles. 2,984,666, 5–16–61, Cl. 260—251.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Cyanopyrrolidinones. 2,984,671, 5–16–61, Cl. 260—325.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Method for the preparation of pyrrolinones. 2,984,672, 5–16–61, Cl. 260—326.5.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Aminomethylpyrrolidinones. 2,984,673, 5–16–61, Cl. 260—326.5.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Condensed heterocyclic compounds. 2,993,046, 7–18–61, Cl. 260—251.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Condensed heterocyclic compounds. 2,993,047, 7–18–61, Cl. 260—251.
Bortnick, Newman M., and M. F. Fegley, to Rohm & Haas Co. Aminoethyl-substituted condensed heterocyclic compounds. 2,993,049, 7–18–61, Cl. 260—256.4.
Borys, Walter A., to United States Rubber Co. Method and apparatus for uniting sheets of resilient material. 2,995,181, 8–8–61, Cl. 154—42.
Borzer, Henri E. A., to Manufacture de Bethune. Electrically operated automatic platform scales. 3,011,573, 12–5–61, Cl. 177—164.
Borzer, Henri E. A., to Manufacture d'Horlogerie de Bethune. Electrically operated automatic platform scales. 2,987,131, 6–6–61, Cl. 177—211.
Börzsei, László, and V. Stark, to Csepel Vas-es Femmuvek. Transport of industrial gases on rolling stock. 2,984,379, 5–16–61, Cl. 220—3.
Bos, Harmannus, to Stamicarbon N.V. Preparation of diethyl aluminum chloride. 2,996,529, 8–15–61, Cl. 260—448.
Bos, Jan A., and H. N. Mulder, to Stamicarbon N.V. Preparation of dialkyl esters of terephthalic acid. 2,975,209, 3–14–61, Cl. 260—475.
Bos, John R., and R. B. Shulters, to Gardner-Denver Co. Tool for connecting wires to terminals. 3,006,563, 10–31–61, Cl. 242—7.
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Bosanac, Beatrice. Method for preparing linden blossom tea concentrate. 2,971,844, 2–14–61, Cl. 99—77.
Bosch, Carl, to Sperry Rand Corp, Ford Instrument Co. Division. Multivibrator R.D.F. adapter. 2,995,751, 8–8–61, Cl. 343—113.
Bosch, Carl, and G. W. Grimm, to Sperry Rand Corp., Ford Instrument Co. Division. Audio-Visual R.D.F. adapter. 3,009,148, 11–14–61, Cl. 343—113.
Bosch, Julius, to Frieseke and Hoepfner, G.m.b.H. Ionization chamber circuitry with temperature compensation. 2,979,619, 4–11–61, Cl. 250—83.6.
Bosch, Julius, to Frieseke & Hoepfner G.m.b.H. Apparatus for continuous measurement of radioactivity of liquids. 2,985,758, 5–23–61, Cl. 250—83.3.
Bosch, Robert, G.m.b.H.: *See*—
Baumann, Günther, and Knapp. 3,005,447.
Gärtner, Gustav, and Mutschler. 3,015,014.
Knapp, Heinrich. 2,992,640.
Knapp, Heinrich, and Steinke. 3,000,368.
Knapp, Heinrich, and Steinke. 3,004,720.
Kubel, Manfred, and Preiss. 2,968,488.
Landstorfer, Rudolf. 2,972,712.
Luscher, Jakob. 3,005,146.
Stier, Reinhardt, and Hofmann. 2,999,487.
Winter, Gerhard, Munk, and Sträb. 3,014,167.
Zechnall, Richard, and Paule. 2,982,276.
Boschan, Robert H.: *See*—
Finnegan, William G., and Boschan. 2,977,372.
Bosche, Walwin J., Jr., to The Lawrence Paper Co. Chick boxes and spacing cleats. 2,975,951, 3–21–61, Cl. 229—6.
Boschert, John J. Axle nut tool. 2,995,966, 8–15–61, Cl. 81—76.
Boschetti, Armando: *See*—
Puetzer, Bruno, and Boschetti. 2,982,696.
Boschi, Antonio, A. Franceschetti, and G. Martorana, to Societa Applicazioni Gomma Antivibranti S.A.G.A. S.p.A. Resilient joint for a suspension system. 3,000,657, 9–19–61, Cl. 287—85.
Boscia, Archie F., to General Dynamics Corp. Phase detectors. 3,001,133, 9–19–61, Cl. 324—83.
Boser, Ronald. Adjustable binding feeding cage for sewing machines. 3,006,570, 10–31–61, Cl. 242—68.7.
Bosko, John L.: *See*—
Bosko, John M. and J. L. 2,996,068.
Bosko, John M. and J. L. Cigarette crusher and storage compartment. 2,996,068, 8–15–61, Cl. 131—237.
Bosl, George F., G. J. Janke, and J. Evans, Jr., to The Osborn Mfg. Co. Automatic loading and unloading mechanism. 2,973,532, 3–7–61, Cl. 15—21.
Bosmajian, George, to Cities Service Research and Development Co. Cycloolefin production. 3,004,081, 10–10–61, Cl. 260—666.
Bosomworth, George P., and W. Brey, to The Firestone Tire & Rubber Co. Apparatus for trimming projections from tires. 2,996,110, 8–15–61, Cl. 157—13.
Boss, Harold O.: *See*—
Beegan, David T., and Boss. 2,977,802.
Boss, Karl-Heinz: *See*—
Meyer, Kurt, Rausch, and Boss. 2,977,215.
Bossard, Francois J. Sodium chloride toothpaste having a silica aerogel carrier. 2,994,642, 8–1–61, Cl. 167—93.
Bossard, Werner: *See*—
Bitterlin, Otto, and Bossard. 2,982,764.
Bossard, Werner, and J. Voltz, to J. R. Geigy, A-G. Coloured polymeric synthetic material. 2,978,290, 4–4–61, Cl. 8—55.
Bosse, Earl W. Variable high density and high temperature wind tunnel. 2,992,557, 7–18–61, Cl. 73—147.
Bossemeyer, Robert W., to Toledo Scale Corp. Cutoff device for weighing scales. 2,973,414, 2–28–61, Cl. 200—56.
Bosshard, Ernst: *See*—
Bührer, Erwin, and Bosshard. 2,969,967.
Bosshard, Ernst, to Gebruder Buhler. Apparatus for controlling roller mills. 3,010,663, 11–28–61, Cl. 241—36.
Bossi, Fulvio, to Frankel Associates, Inc. Lamp socket electrical connection. 2,984,813, 5–16–61, Cl. 339—59.
Bossone, August F. Safety kit for motor vehicles. 2,982,392, 5–2–61, Cl. 206—16.
Bossong, John E.: *See*—
Drever, James R., Kavanaugh, and Bossong. 2,999,281.
Bossung, John W., to Sherman Fairchild & Associates, Inc. System for converting analog shaft rotational positions to digital displays. 2,976,525, 3–21–61, Cl. 340—316.
Bostelmann, Richard, to R. Biohm. Machine tools, particularly grinding machines. 2,967,741, 1–10–61, Cl. 308—6.
Bostic, Tampico P., to H. F. Livermore Corp. Shuttle boxes for looms. 3,009,487, 11–21–61, Cl. 139—185.
Bostitch, Inc.: *See*—
Allen, Howard G. 2,969,545.
Allen, Howard G. 2,991,475.
Allen, Howard G., and Fisher. 3,010,430.
Bostock, James H., to Otis Engineering Corp. Fluid pressure operated subsurface safety valve. 3,002,566, 10–3–61, Cl. 166—224.
Boston Chemical Products Co.: *See*—
Reilling, Thomas L. 3,002,844.
Boston Cutting Die Co.: *See*—
Larson, Ernest O. 2,997,905.
Boston, Harold L. Hanger for mops, brooms, garden tools and similar handled tools. 3,013,756, 12–19–61, Cl. 248—113.
Boston, Warren E. Foldable boat carrier. 2,970,846, 2–7–61, Cl. 280—40.
Bostrom Corp.: *See*—
Radke, Arthur O., and Tengler. 2,998,054.
Bostwick, Lewis S., Jr., and E. R. Brastow, to American Machine and Metals, Inc. Gyroscopes. 2,984,114, 5–16–61, Cl. 74—5.5.
Bostwick, Louis E.: *See*—
Gross, John H., and Bostwick. 3,002,831.
Bostwick, Wallace L.: *See*—
Ben-Ezra, Aaron, and Bostwick. 2,972,534.
Boswau, Hans P., to Leich Electric Co. Signaling system. 3,011,028, 11–28–61, Cl. 179—16.
Boswell, David, and J. Ewels, to The General Electric Co. Ltd. Semiconductor devices. 2,999,194, 9–5–61, Cl. 317—234.
Boswell, Robert B.: *See*—
Jominy, Walter E., Olson, and Boswell. 2,974,380.
Jominy, Walter E., Olson, and Boswell. 2,975,084.
Bosworth, Frederic M. Means for treating lubricants. 3,005,555, 10–24–61, Cl. 210—152.
Bosworth, Paul: *See*—
Coffin, Lester W. 3,008,722.
Boszormenyi, Andre G. T.: *See*—
Jendrassik, George. 2,968,435.
Boteler, Henry W., to Grinnell Corp. Ball valve. 3,014,690, 12–26–61, Cl. 251—174.
Bothmann, Hans, and E. Mohr, to Westfalische Leichtmetallwerke G.m.b.H. Process for plating metallic materials. 2,984,902, 5–23–61, Cl. 29—497.5.
Bothos, Costas. Eyeglass holder block. 2,991,967, 7–11–61, Cl. 248—195.
Bothwell, Theodore P., and W. A. Helbig, to Radio Corp. of America. Semi-conductor gating circuit. 2,979,625, 4–11–61, Cl. 307—88.5.
Botje, Jacobus M., to General Electric Co. Tip clearance control system for turbomachines. 2,994,472, 8–1–61, Cl. 230—116.
Botkin, Carl: *See*—
Sulich, John, Jr., and Botkin. 2,993,803.
Botkin, Lawrence A., to Buckeye Iron & Brass Works. Airport hydrant system. 2,996,222, 8–15–61, Cl. 222—67.
Botkin, Lawrence A., and K. D. Allen, to Buckeye Iron & Brass Works. Flow control valve. 2,997,207, 8–22–61, Cl. 222—59.
Botnick, Irlin, to The Kromex Corp. Dispenser cabinet. 2,969,169, 1–24–61, Cl. 225—43.
Botstiber, Dietrich W. Drain plug. 2,983,385, 5–9–61, Cl. 210—222.
Bott, Adolf H., and F. E. Talmage, to Radio Corp. of America. Frequency modulation multiplex arrangement. 3,005,167, 10–17–61, Cl. 332—21.
Bott, George S., and A. S. Taylor, to American Cyanamid Co. Size classification of sutures. 2,999,588, 9–12–61, Cl. 209—74.
Bott, Rudolf. Method for decorticating logs. 2,995,164, 8–8–61, Cl. 144—311.
Bottcher, Erika: *See*—
Schulz, Hans, Bludau, Lesche, and Bottcher. 2,984,625.

Botte, Gaston. Machine for shaping the rectilinear edge faces of glass sheets by means of a cylindrical grinding drum. 2,994,991, 8–8–61, Cl. 51—96.

Bottenberg, Kenneth C., H. V. Hendrix, and D. W. Maddox, to Phillips Petroleum Co. Surge system. 2,998,016, 8–29–61, Cl. 137—8.

Bottenbruch, Ludwig: *See*—
Schnell, Hermann, Kimpel, Bottenbruch, Krimm, and Fritz. 2,997,459.

Böttger, Josef. Internal combustion engine with direct fuel injection and compression ignition. 2,975,772, 3–21–61, Cl. 123—32.

Bottger, Josef. Arrangement of fuel jets within an open combustion space of a compression ignition engine. 2,988,067, 6–13–61, Cl. 123—32.

Bottom, Theodore J. Building construction. 2,969,726, 1–31–61, Cl. 98—37.

Bottom, Theodore J. Folding awning. 3,003,550, 10–10–61, Cl. 160—62.

Bottoms, Paul H., R. J. Clapp, R. H. Loggins, and J. G. Stansbury, to Swedlow Inc. Method and apparatus for stretching thermoplastic sheet material. Re. 24,978, 5–2–61, Cl. 18—1.

Bottoms, Paul H., J. G. Stansbury, and R. J. Clapp, to Swedlow Inc. Method for forming sheet material. 3,004,295, 10–17–61, Cl. 18—56.

Bottoms, Robert R., to Chemetron Corp. Optical resolution of alpha-(alpha-naphthyl) ethylamine. 2,996,545, 8–15–61, Cl. 260—570.8.

Bottoms, Robert R., to Chemetron Corp. Optical resolution of alpha-naphthylethylamines. 3,000,947, 9–19–61, Cl. 260—570.8.

Bottorf, James D., and R. G. Miner, to The Trane Co. Air blender. 2,991,937. 7–11–61. Cl. 236—13.

Bottum, Edward W. Drier. 2,987,175, 6–6–61, Cl. 206—46.

Bouchard, Blanche E.: *See*—
Du Grenier, Francis C., and Perri. 2,973,075.
Du Grenier, Francis C., and Perri. 3,000,485.

Bouchard, George H., and J. A. Dombrowski, to Sylvania Electric Products, Inc. Electroluminescent lamp. 3,014,813, 12–26–61, Cl. 117—33.5.

Boucher, Antonio. Device for automatically starting and stopping internal combustion engines in cold weather. 2,992,335, 7–11–61, Cl. 290—38.

Boucher, Emmett J.: *See*—
Ditter, Francis J., and Boucher, 2,977,073.

Boucher, Frank G., to Jersey Production Research Co. Solvent formation testing. 3,008,521, 11–14–61, Cl. 166—4.

Boucher, Harry. Measuring device. 2,987,823, 6–13–61, Cl. 33—134.

Boucher, Richard R.: *See*—
Michaud, Gaetan G. J., and Boucher. 3,010,825.

Boudier, Albert: *See*—
Cardey, Francois, and Boudier. 2,996,414.

Boudouris, Angelo. Menu stand for drive-in restaurants. 2,986,365, 5–30–61, Cl. 248—203.

Boudreau, Alban M., to Hedstrom Union Co. Convertible boy-girl bikes. 2,997,308, 8–22–61, Cl 280—7.11.

Boudreau, Archie E. Coupling means for removable valves of milking systems. 3,010,739, 11–28–61, Cl. 285—197.

Boudreau, Arthur P.: *See*—
Hunter, Edwin L., and Boudreau. 2,980,788.

Boudreaux, Joseph R.: *See*—
Bruce, John P., and Boudreaux. 3,003,968.

Boudrez, Paul J.: *See*—
De Bree, Oscar L., and Boudrez. 3,011,571.

Bouet, Bernard. Auxiliary running gear intended for facilitating the parking of a motor vehicle. 3,011,575, 12–5–61, Cl. 180—1.

Bouffilh, Raymond, and C. Savigny, to Societe Anonyme dite: Atellers Bariquand & Marre. Italic-forming anamorphotic device for use in photo-composition. 2,976,785, 3–28–61, Cl. 95—4.5.

Boughton, Lee M., ½ to P. Hillsberg and M. H. Sharp. Pile casing cutters. 3,000,248, 9–19–61, Cl. 83—191.

Boughton, Nolan E. Vibrating fish pole support. 3,001,317, 9–26–61, Cl. 43—19.2.

Boughton, Olin W., to Bausch & Lomb Optical Co. Microscope illuminating device. 2,971,080, 2–7–61, Cl. 240—2.

Boughton, Roger C., to Joslyn Mfg. & Supply Co. Sectional gasket ring with radially extending flange to prevent axial separation of sections. 2,969,995, 1–31–61, Cl. 285—413.

Boughton, Roger C., to Joslyn Mfg. & Supply Co. Pipe joint including clamping ring therefor. 2,984,504, 5–16–61, Cl. 285—337.

Bouillé, Joseph R., to Joy Mfg. Co. Automatic cycling control for continuous miners. 3,002,732, 10–3–61, Cl. 262—29.

Bouillot, Paul: *See*—
Bouvier, Jean, Bouillot, and Bourgouin. 2,979,913.

Boulanger, Claude: *See*—
Pruvot, Emile, Boulanger, and Belon. 2,986,503.

Boulet, Francis: *See*—
Rigot, Roger, and Boulet. 2,998,331.

Boulet, Georges, to Recherches Etudes Production R.E.P. Improvements in continuous flow gas engines. 2,977,753, 4–4–61, Cl. 60—35.6.

Boulet, Georges, to Recherches Etudes Production R.E.P. Disc brakes. 2,989,153, 6–20–61, Cl. 188—218.

Boulet, Georges, to Recherches Etudes Production R.E.P. Means for displacing very large amounts of air. 3,008,402, 11–14–61, Cl. 98—33.

Boultbee, Thomas H.: *See*—
Haward, Robert N., and Boultbee. 2,994,675.

Boultbee, Thomas H., to Shell Oil Co. Poly olefins stabilized with salts or amides of a thiodialkanoic acid. 2,981,717, 4–25–61, Cl. 260—45.85.

Boultinghouse, Eugene C. Combination cover and carrying rack for pickup trucks. 2,997,330, 8–22–61, Cl. 296—3.

Boulton, Herbert: *See*—
Butler, Frank, and Boulton. 2,984,461.

Boulton Paul Aircraft Ltd.: *See*—
Millard, Dennis J. 2,980,067.
North, John D. 2,984,481.
North, John D. 3,004,749.

Bounds, Ardrey M., and R. L. Hoff, to Superior Tube Co. Zirconium-aluminum-nickel cathodes. 2,975,050, 3–14–61, Cl. 75—170.

Bounds, Wallace A. Actuators. 2,997,271, 8–22–61, Cl. 251—31.

Bounds, Wallace A. Valves and nozzles. 3,001,723, 9–26–61, Cl. 239—448.

Boundy, Bruce K.: *See*—
La Branche, Harvey W., Preble, and Boundy. 3,003,841.

Bourassa, Francis J., to Raytheon Co. Sealed crystal diode packages. 2,969,487. 1–24–61, Cl. 317—234.

Bourassa, Pierre. Transportation apparatus. 2,973,720, 3–7–61, Cl. 104—20.

Bourcier de Carbon, Christian-M.-L.-L. Shock absorbers. 2,982,538, 5–2–61, Cl. 267—64.

Bourcier de Carbon, Christian-M.-L.-L. Shock absorbers. 2,992,864, 7–18–61, Cl. 308—3.5.

Bourcier de Carbon, Christian M. L. L. Shock absorbers. 3,003,594, 10–10–61, Cl. 188—88.

Bourcier de Carbon, Christian M. L. L. Shock absorbers. 3,003,596, 10–10–61, Cl. 188—88.

Bourcier de Carbon, Christian M. L. L. Shock absorbers. 3,003,597, 10–10–61, Cl. 188—88.

Bourdale, Lucien, and M. Chatellard. Filtering centrifugal separators. 3,008,543, 11–14–61, Cl. 183—63.

Bourdon, Pierre M., to Compagnie Generale des Etablissements Michelin (Puiseux, Robert & Cie). Apparatus for automatically controlling the position of a vehicle movable member with relation to track means therefor. 2,972,966, 2–28–61, Cl. 104—247.

Bourdon, Pierre M., to Compagnie Generale des Etablissements Michelin (Mechelin & Cie). Rims with removable edge and with tapering seats for tubeless tires. 2,991,820, 7–11–61, Cl. 152—410.

Bourgeas, Pierre. Twisting machine. 3,001,357, 9–26–61, Cl. 57—62.

Bourgeois, Valrie E., to Esso Research and Engineering Co. Control of butyl rubber polymerization reaction. 2,995,544, 8–8–61, Cl. 260—85.3.

Bourgois, Jean. Moulded saddles for cycles, motor-cycles, scooters and the like. 2,980,162, 4–18–61, Cl. 155—5.23.

Bourgouin, Jacques: *See*—
Bouvier, Jean, Bouillot, and Bourgourin. 2,979,913.

Bourguet, Jean M., to Socony Mobil Oil Co., Inc. Catalyst valve. 3,009,472, 11–21–61, Cl. 137—240.

Bourguet, Jean M., and S. Bonino, Jr., to Socony Mobil Oil Co., Inc. Pneumatic transfer of granular contact material. 2,977,154, 3–28–61, Cl. 302—53.

Bourguet, Jean M., R. D. Drew, L. P. Evans, and J. Harrison, to Socony Mobil Oil Co., Inc. Method of pulverization. 2,983,453, 5–9–61, Cl. 241—1.

Bourguignon, Emil J. Expanding arbor adapter for lathes. 2,970,843, 2–7–61, Cl. 279—2.

Bourke, Frederic A.: *See*—
Altenburger, Clarence L., and Bourke. 3,010,822.

Bourke, John D., to Robbin & Myers, Inc. Helical gear pump with by-pass. 3,011,445, 12–5–61, Cl. 103—41.

Bourland, William N. Device for removing stains from fabric. 2,987,906. 6–13–61, Cl. 68—213.

Bourne, Hector R.: *See*—
Spencer, David P., and Bourne. 2,981,637.

Bourne, Roland B., and J. P. Tyskewicz, to American Machine & Foundry Co., Inc. Acoustic panel. 2,994,401, 8–1–61, Cl. 181—42.

Bourné, Ronald F., and D. G. Cheyne. Impact mills. 3,014,669, 12–26–61, Cl 241—188.

Bourne, William A., to The General Electric Co. Ltd. Anti-backlash devices. 3,001,414, 9–26–61, Cl. 74—441.

Bourne, William E.: *See*—
Hamm, Clarence L., and Bourne. 2,988,886.

Bourns, Inc.: *See*—
Bourns, Marlan E., Boode, and O'Brian. 2,999,995.
Bourns, Marlan E., Boode, and O'Brian. 3,005,172.
Bourns, Marlan E., and Goeppinger. 2,998,587.
Bourns, Marlan E., Hardison, and O'Brian. 2,999,994.
Caddock, Richard E. 3,010,092.

Bourns, Marlan E.: *See*—
Gratian, Joseph W., and A. C., Nieset, Bourns, and Crane. 2,980,905.

Bourns, Marlan E. Pressure responsive electrical instruments. 2,976,506, 3–21–61, Cl. 338—40.

Bourns, Marlan E. Electrical resistor. 2,989,718, 6–20–61, Cl. 338—174.

Bourns, Marlan E. Pressure responsive electrical instruments. 3,013,233, 12–12–61, Cl. 338—40.

Bourns, Marlan E. Pressure responsive electrical instruments. 3,013,234, 12–12–61, Cl. 338—40.

Bourns, Marlan E. Pressure responsive electrical instruments. 3,013,235, 12–12–61, Cl. 338—40.

Bourns, Marlan E. Pressure responsive electrical instruments. 3,013,236, 12–12–61, Cl. 338—41.

Bourns, Marlan E., M. E. Harrison, W. M. Hedges, and E. J. Goeppinger; said Harrison, Hedges, and Goeppinger, assors. to M. E. Bourns. Pressure responsive instrument. 2,984,803, 5–16–61, Cl. 338—41.

Bourns, Marlan E., and E. J. Goeppinger; said Goeppinger assor. to Bourns, Inc. Linear motion variable resistor. 2,998,587, 8–29–61, Cl. 338—183.

Bourns, Marlan E., C. N. Boode, and E. D. O'Brian; said Hardison and O'Brian assors. to Bourns, Inc. Adjustable electrical resistors. 2,999,994, 9–12–61, Cl. 338—180.

Bourns, Marlan E., C. N. Boode, and E. D. O'Brian; said Boode and said O'Brian assors. to Bourns, Inc. Mechanically variable resistor. 2,999,995, 9–12–61, Cl. 338—180.

Bourns, Marlan E., C. N. Boode, and E. D. O'Brian; said Boode and said O'Brian assors. to Bourns, Inc. Adjustable electrical instruments. 3,005,172, 10–17–61, Cl. 338—183.

Bourquin, Hans: *See*—
Krüger, Gustav, Schütz, and Bourquin. 2,979,417.

Bourwall, Bertil W.: *See*—
Lindholm, Lennart L. 3,006,232.

Boussu, Gabriel X. R., L. P. F. A. Neuville, and L. H. N. Saint Frison, to Compagnie Generale des Etablissements Michelin (Robert Puiseux & Cie). Beads for pneumatic tires. 2,966,933, 1–3–61, Cl. 152—362.

Boussu, Gabriel X. R., and L. H. N. Saint-Frison, to Michelin & Cie. Tire retreading system. 3,002,549, 10–3–61, Cl. 157—13.

Boutet, Camille L. J. Aluminothermal welding of rails and like bars having special cross-sectional shapes. 2,977,651, 4–4–61, Cl. 22—206.

Boutillette, Edward J.: *See*—
Crawford, Ishmael, and Boutillette. 2,977,783.

Boutwell, Ernest D. Ball bearing screw and nut assembly. 3,00,361, 10–10–61, Cl. 74—424.8.

Bouvat-Martin, Jean, to Societe Generale Isothermos. Keys for assembling the upper half-bearing of an axle-box. 3,001,836, 9–26–61, Cl. 308—54.

Bouvat-Martin, Jean, to Societe Generale Isothermos. Axle boxes, notably for lubricating the upper and lower bearings thereof. 3,011,837, 12–5–61, Cl. 308—86.

Bouvet, René, to American Viscose Corp. Stretch yarn. 2,971,322, 2–14–61, Cl. 57—140.

Bouvier, Jean, P. Bouillot, and J. Bourgouin, to Société Anonyme dite: Enterprise Fougerolle pour Travaux Publics. Devices for casting concrete under water. 2,979,913, 4–18–61, Cl. 61—63.

Bouvy, Christiaan H., to General Motors Corp. Aluminum die cast engine. 2,974,654, 3–14–61, Cl. 123—55.

Bouvy, Christiaan H., to General Motors Corp. Cylinder head construction for internal combustion engines. 2,990,819, 7–4–61, Cl. 123—41.74.

Bouvy, Christiaan H., to J. Dolza. Centrifugal oil cleaners for internal combustion engines. 2,997,230, 8–22–61, Cl. 233—32.

Bouwers, Albert, to N.V. Optische Industrie "De Oude Delft." System for observing objects under poor lighting conditions. 2,970,220, 1–31–61, Cl. 250—213.

Bouwers, Albert, and J. Becker, to N.V. Optische Industrie de Oude Delft. Optical systems comprising a spherical concave mirror and a meniscus lens. 3,001,446, 9–26–61, Cl. 88—57.

Bouyoucos, John V., and F. V. Hunt. Acoustic-vibration generator and valve. 3,004,512, 10–17–61, Cl. 116—137.

Bova, Mary: *See*—
Hooker, John A. 2,968,567.

Bovard, Robert M., to M.S.A. Research Corp. Oxygen candle burner. 2,983,588, 5–9–61, Cl. 23—281.

Bovay, H. E., Jr., Consulting Engineers: *See*—
Bovay, Harry E., Jr., Lawler, and Wheeler. 3,000,499.
Wheeler, Lionel H. 2,976,993.

Bovay, Harry E., Jr., C. A. Lawler, and L. H. Wheeler, to H. E. Bovay, Jr., Consulting Engineers. Lumber sorter. 3,000,499, 9–19–61, Cl. 209—90.

Bovenkerk, Harold P., to General Electric Co. Method for producing improved diamond crystals. 2,992,900, 7–18–61, Cl. 23—209.1.

Bovensiepen, Hans F. Driving arrangement for initiating and controlling rotary movements of two driven components together with and relative to each other. 2,975,563, 3–21–61, Cl. 51—111.

Bovensiepen, Hans F. Two-lap lapping machine. 3,000,148, 9–19–61, Cl. 51—111.

Bovier, Lloyd S., and H. E. Rea, to Hooker Chemical Corp. Herbicidal method employing petroleum oil containing hexachlorocyclopentadiene. 3,008,750, 10–31–61, Cl. 71—2.3.

Bovy, Edward N. Hoist mechanism for outboard motors. 3,008,444, 11–14–61, Cl. 115—41.

Bow, Richard W. Drafting equipment carrier. 2,967,650, 1–10–61, Cl. 224—45.

Bow, Robert Y. Fishing pole holder. 2,988,311, 6–13–61, Cl. 248—44.

Bow Solder Products, Co., Inc.: *See*—
Osterman, Samuel. 2,996,179.

Bowater Research and Development Co. Ltd., The: *See*—
Duffin, Earle R. 2,990,102.

Bowden, Bertram V., to National Research Development Corp. Gyroscopes. 2,991,659, 7–11–61, Cl. 74—5.6.

Bowden, George E.: *See*—
Erst, Stephen J., and Bowden. 2,969,018.

Bowden, George F., to Symons Clamp & Mfg. Co. Tie rod assembly for concrete wall form panels. 2,997,769, 8–29–61, Cl. 25—131.

Bowden, George F., to Symons Clamp & Mfg. Co. Concrete wall form extension bracket. 2,994,120, 8–1–61, Cl. 25—131.

Bowden, William H., to Allianceware, Inc. Bathtub. 2,982,972, 5–9–61, Cl. 4—173.

Bowditch, Hoel L., to The Foxboro Co. Positioning motor. 2,997,637, 8–22–61, Cl. 318—37.

Bowditch, Hoel L., and E. O. Olsen, to The Foxboro Co. Safety switch arrangements. 3,005,885, 10–24–61, Cl. 200—50.

Bowen, Casey E. T-square holder. 2,995,823, 8–15–61, Cl. 33—80.

Bowen, Clovis W.: *See*—
Gutting, Robert D. 2,981,366.

Bowen, Gilbert C.: *See*—
Anspacher, William B., Scott, Bowen, Redmond, and Detwiler. 2,998,780.

Bowen, Glenn L.: *See*—
Davies, Edward R., Bowen, and Lemon. 2,974,545.

Bowen, Idris G., and T. Tyler, to International Combustion (Holdings) Ltd. Liquid fuel burning installations. 2,995,185, 8–8–61, Cl. 158—36.

Bowen Itco, Inc.: *See*—
Segelhorst, August V. 2,973,038.

Bowen-McLaughlin, Inc.: *See*—
Whipple, Edson L. 3,009,573.

Bowen, Ralph R. Corn shelling and cob grinding mechanism. 2,970,780, 2–7–61, Cl. 241—101.

Bowen, Robert S.: *See*—
Middendorf, Eugene H., Swanson, and Bowen. 3,014,467.

Bowen, Silas M., to Super Mold Corp. of California. Chuck units for a tire spreader. 3,005,619, 10–24–61, Cl. 254—50.3.

Bowen, Thomas H., to James R. Kearney Corp. Tools for applying armor rods to conductors. 2,966,774, 1–3–61, Cl. 57—10.

Bowen, Tom, to S. Smith & Sons (England) Ltd. Clock controlled mechanism. 3,014,375, 12–26–61, Cl. 74—3.52.

Bowen, Willard E., to International Shoe Co. Slip-lasted shoe with a binder covering the edges of the upper and sock-lining. 2,990,626, 7–4–61, Cl. 36—19.5.

Bower, Adrin F., and L. F. Weber. Paint can holder. 2,993,672, 7–25–61, Cl. 248—211.

Bower, Frank A., to E. I. du Pont de Nemours and Co. Azeotropic composition. 2,999,817, 9–12–61, Cl. 252—172.

Bower, James A., to The Taylor, Smith & Taylor Co. Manufacture of ceramic ware. 2,991,211, 7–4–61, Cl. 154—95.

Bower, John L., to North American Aviation, Inc. Error compensated servo. 2,988,681, 6–13–61, Cl. 318—28.

Bower, John L., to North American Aviation, Inc. Photoelectric gage. 2,993,279, 7–25–61, Cl. 33—125.

Bower, John L., to North American Aviation, Inc. Digital fluid control system. 2,999,482, 9–12–61, Cl. 121—38.

Bower, John L., to North American Aviation, Inc. Photoelectric gage. 3,001,081, 9–19–61, Cl. 250—222.

Bower, John L., to North American Aviation, Inc. Control for intensity of illumination. 3,014,134, 12–19–61, Cl. 250—205.

Bower, John L., to North American Aviation, Inc. Automatic interlock system. 3,015,088, 12–26–61, Cl. 340—149.

Bowerman, Edwin R., Jr., and A. J. Marko, to Sylvania Electric Products Inc. Electroluminescent display device. 2,999,958, 9–12–61, Cl. 313—108.

Bowerman, Edwin R., Jr., and M. Wasserman, to Sylvania Electric Products Inc. Encoder. 3,004,190, 10–10–61, Cl. 315—201.

Bowerman, Hulie E. Quick acting clutch tube. 2,985,195, 5–23–61, Cl. 137—788.

Bowerman, Hulie E. Expansible chamber actuator structure. 2,992,658, 7–18–61, Cl. 137—784.

Bowerman, Hulie E. Zero volume air tube and method of making. 2,992,955, 7–18–61, Cl. 154—85.

Bowerman, Hulie E. Sucker rod guides. 3,001,834, 9–26–61, Cl. 308—4.

Bowerman, Myron R., and R. L. Stuckey, to The Alliance Machine Co. Dual hook block hoists. 2,994,513, 8–1–61, Cl. 254—108.

Bowers, Albert: *See*—
Mills, John S., and Bowers. 3,014,938.
Ringold, Howard J., and Bowers. 3,001,989.
Ringold, Howard J., and Bowers. 3,008,957.
Ringold, Howard J., Bowers, and Rosenkranz. 3,014,932.
Ringold, Howard J., Djerassi, and Bowers. 2,985,652.
Ringold, Howard J., Djerassi, Bowers, and Velasco. 2,968,662.

Bowers, Albert, and H. J. Ringold, to Syntex S.A. 6-cyano androstane derivatives. 3,014,934, 12–26–61, Cl. 260—397.4.

Bowers, Eric H., and O. Thoma, to Dowty Hydraulic Units Ltd. Liquid flow control valve apparatus. 2,985,184, 5–23–61, Cl. 137—101.

Bowers, Eric H., and O. Thoma, to Dowty Hydraulic Units Ltd., and Unipat A.G. Rotating seals for use with high pressure liquid. 2,987,006, 6–6–61, Cl. 103—162.

Bowers, Eric H., and O. Thoma, to Dowty Hydraulic Units Ltd. Single lever control apparatus for engine and hydraulic transmission. 3,003,309, 10–10–61, Cl. 60—19.

Bowers, George H., to E. I. du Pont de Nemours and Co. Curable dispersions of ethylene polymers and process of curing same. 2,968,637, 1–17–61, Cl. 260—4.

Bowers, George H., III: *See*—
Busse, Warren F., and Bowers. 3,005,795.

Bowers, John M., and J. F. Logue, Jr. Boat anchor. 2,983,-243, 5–9–61, Cl. 114—230.

Bowers, Lester T., to The Budd Co. Arc spot welding apparatus and method. 3,015,022, 12–26–61, Cl. 219—127.

Bowers, Robert H., and C. W. Carr. Shower head. 2,985,385, 5–23–61, Cl. 239—456.

Bowers, Rolland G., to Sun Oil Co. Oxidative sweetening with alkaline material and partial ester of polyhydric alcohol. 2,978,404, 4–4–61, Cl. 208—204.

Bowers, Rolland G., to Sun Oil Co. Oxidative sweetening with alkaline material and imidazole derivative. 2,978,-405, 4–4–61, Cl. 208—206.

Bowers, Roy L., to General Motors Corp. Vapor separation units for internal combustion engines. 3,000,467, 9–19–61, Cl. 183—2.5.

Bowker, Rockton A. Trolling device. 2,992,505, 7–18–61, Cl. 43—21.2.

Bowl Washer Co., The: *See*—
Barks, Robert W. 3,007,329.

Bowler, Robert P., 50% to J. P. Malone. Disposable tire treads. 3,007,506, 11–7–61, Cl. 152—175.

Bowler, William, to Canadian National Railway Co. Anti-theft device for trailers. 3,004,421, 10–17–61, Cl. 70—232.

Bowles, Vernon O., to Socony Mobil Oil Co., Inc. Conversion of liquid hydrocarbon in the presence of a gaseous reactant and particle-form solid catalytic material. 2,981,677, 4–25–61, Cl. 208—146.

Bowles, Vernon O., and G. W. Robbins, to Socony Mobil Oil Co., Inc. Catalytic hydrogenation. 2,990,237, 6–27–61, Cl. 23—1.

Bowling, Grace V.: *See*—
Toyama, James. 3,012,685.

Bowling, Russell. Wreath support for gravestones. 2,983,-472, 5–9–61, Cl. 248—207.8.

Bowling Slacks, Inc.: *See*—
Winston, Elwyn C., and Holzman. 2,977,601.

Bowl-Mor Co., Inc.: *See*—
Barrows, Royal L. 3,014,720.

Bowlus, Omer E., and K. A. Graham, to Chrysler Corp. Spark plug. 2,984,760, 5–16–61, Cl. 313—141.

Bowman, Carlos M., to The Dow Chemical Co. Method for the preparation of trialkyl borates. 2,976,315, 3–21–61, Cl. 260—462.

Bowman, Carlos M., to The Dow Chemical Co. Preparation of 2,2-dialkoxypropanes. 2,976,328, 3–21–61, Cl. 260—615.

Bowman, Carlos M., and E. J. Watson, to The Dow Chemical Co. Method for the preparation of trimethyl borate. 2,976,313, 3–21–61, Cl. 260—462.

Bowman, Carlos M., and E. J. Watson, to The Dow Chemical Co. Method for preparation of trialkyl borates. 2,976,314, 3–21–61, Cl. 260—462.

Bowman, Conrad K. Liquid-ballast compartmentalized bumper. 2,993,721, 7–25–61, Cl. 293—69.

Bowman, Dale E.: *See*—
Hines, Albert O., and Bowman. 3,009,371.

Bowman, David F., to I-T-E Circuit Breaker Co. Broad-band omnidirectional spherical lens antenna with rotating amplitude modulation pattern. 2,990,545, 6–27–61, Cl. 343—755.

Bowman, Dudley: *See*—
Fogle, Herbert D., Cox, and Bowman. 2,991,551.

Bowman, Edward W. Annealing, heating and processing furnace. 3,010,710, 11–28–61, Cl. 263—8.

Bowman, Eldon L., to Northrop Corp. Method for chemical milling honeycomb material. 2,981,612, 4–25–61, Cl. 41—43.

Bowman, Gilbert T., to Rockwell Mfg. Co. Valve position indicator. 3,002,529, 10–3–61, Cl. 137—553.

Bowman, Glade B.: *See*—
Hammond, Milton B., and Bowman. 2,989,446.

Bowman, Hamilton B., to Bowman Steel Corp. Metal flooring. 2,995,222, 8–8–61, Cl. 189—34.

Bowman, Henry V. Method and apparatus for bending tubes. 2,979,103, 4–11–61, Cl. 153—40.

Bowman, Lawrence E., and F. C. Coppage, to Leonard Valve Co. Thermostatic mixing valve. 2,970,770, 2–7–61, Cl. 236—12.

Bowman, Lewis W.: *See*—
Leary, Robert F., and Bowman. 2,983,720.
Leary, Robert F., Bowman, and Kelley. 2,976,252.

Bowman, Mark M., Jr., to Phillips Petroleum Co. Snap-fit plastic pipe joint. 2,985,469, 5–23–61, Cl. 285—260.

Bowman, Mark M., Jr., to Phillips Petroleum Co. Thread protector. 3,000,402, 9–19–61, Cl. 138—96.

Bowman, Melvin G., and N. H. Krikorian, to United States of America, Atomic Energy Commission. Method of forming tantalum silicides on tantalum surfaces. 3,002,852, 10–3–61, Cl. 117—106.

Bowman, Norman J., to Standard Oil Co. Solid composite propellant containing ammonia nitrate and glycolic acid polymer. 3,012,867, 12–12–61, Cl. 52—.5

Bowman, Norman J., and W. A. Proell, to Standard Oil Co. Polymeric substances. 2,999,033, 9–5–61, Cl. 106—273.

Bowman, Raymond H., and E. R. Johnson, to Erie Strayer Co. Clam shell bucket. 2,996,819, 8–22–61, Cl. 37—184.

Bowman, Spencer: *See*—
Jones, John I., and Bowman. 3,009,727.

Bowman, Spencer, to The Thew Shovel Co. Sprocket chain. 3,011,356, 12–5–61, Cl. 74—245.

Bowman Steel Corp.: *See*—
Bowman, Hamilton B. 2,995,222.

Bowmar Instrument Corp.: *See*—
Feaster, Donavon L. 2,984,126.
Feaster, Donavon L. 3,006,220.
Herr, Robert W. 3,002,687.

Bown, Delos E., and H. C. Williams, to Esso Research and Engineering Co. Process for reducing titanium tetrachloride. 2,993,009, 7–18–61, Cl. 252—429.

Bowne, Martin S., to Lee Clay Products Co. Pipe clamp with resilient member. 3,006,663, 10–31–61, Cl. 285—233.

Bowring, John I. R., and W. Elkins; said Bowring assor. to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, and said Elkins assor. to United States of America, Air Force. Lightweight crew seat for high performance flight vehicles. 3,011,826, 12–5–61, Cl. 297—383.

Bowser and Associates, Inc.: *See*—
Bowser, Ernest R. 3,011,732.

Bowser, Ernest R., to Bowser and Associates, Inc. Yarn winding apparatus. 3,011,732, 12–5–61, Cl. 242—39.

Bowser, Inc.: *See*—
Marvel, Harvey E. 2,984,361.

Bowser, Phillip C., to General Motors Corp. Pneumatic spring control device. 2,985,445, 5–23–61, Cl. 267—65.

Bowsher, Lewis. Minnow trap. 2,979,855, 4–18–61, Cl. 43—100.

Boyce, F. M.: *See*—
Boyce, Francis M. 3,011,101.

Boyce, Francis M. (also known as F. M. Boyce, Sr., Frank Boyce, F. M. Boyce, and F. Merritt) deceased (by M. Boyce, administratrix). Phototube control circuit. 3,011,101, 11–28–61, Cl. 317—130.

Boyce, Francis M., Sr.: *See*—
Boyce, Francis M. 3,011,101.

Boyce, Frank: *See*—
Boyce, Francis M. 3,011,101.

Boyce, John, to FMC Corp. Apparatus for processing fruit. 3,013,595, 12–19–61 Cl. 146—43.

Boyce, John, and L. Vadas, to FMC Corp. Fruit handling machine. 3,003,610, 10–10–61, Cl. 198—33.

Boyce, Marguerite: *See*—
Boyce, Francis M. 3,011,101.

Boyce, Reginald D., to Bomac Industries Ltd. Method for making patches for rubber articles. 2,982,683. 5–2–61, Cl. 154—110.

Boyce, Walter A., and G. R. Mistler, to Westinghouse Electric Corp. Method for applying sealing material to sealing surfaces. 2,995,482, 8–8–61, Cl. 154—116.

Boyce, William C., W. B. Luton, and J. N. Wood, to Chance Vought Corp. Three axes side controller. 3,011,739, 12–5–61, Cl. 244—83.

Boyd, Anderson B., to General Motors Corp. Frequency selective circuit with angular oscillation device. 2,996,688, 8–15–61, Cl. 333—71.

Boyd, Anderson B., to General Motors Corp. Frequency selective circuit. 3,005,169, 10–17–61, Cl. 333—71.

Boyd, David M., Jr., to Universal Oil Products Co. Method for controlling a process such as the reforming of low octane naphthas. 3,000,812, 9–19–61, Cl. 208—138.

Boyd, Eugene L. Sprinkler head. 3,014,668, 12–26–61, Cl. 239—521.

Boyd, George E., E. R. Russell, and M. D. Taylor, to United States of America, Atomic Energy Commission. Ion exchange adsorption process for plutonium separation. 2,992,-249, 7–11–61, Cl. 260—429.1.

Boyd, George N.: *See*—
Zimsky, John J., Mocker, and Boyd. 3,003,225.

Boyd, Harry S. Backing strips for printing presses. 2,982,-208, 5–2–61, Cl. 101—407.

Boyd, John L., to Sinclair Oil & Gas Co. Method for tracing the flow of H_2O. 3,003,856, 10–10–61, Cl. 23—230.

Boyd, Malcolm R., to General Electric Co. High frequency crossed-field device. 2,992,362, 7–11–61, Cl. 315—39.75.

Boyd, Robert A., to Owens-Illinois Glass Co. Skylights. 2,993,409, 7–25–61, Cl. 88—60.

Boyd, Robert A., to Owens-Illinois Glass Co. Light transmitting blocks. 3,012,378, 12–12–61, Cl. 50—267.

Boyd, Thomas F. G., P. W. Fischer, and R. T. Wheeler, to Union Oil Co. of California. Method and apparatus for flotation of hydrocarbon impurities. 2,983,677, 5–9–61, Cl. 210—44.

Boyd, Violet, and C. H. Reece, to Imperial Chemical Industries Ltd. Water-insoluble anthraquinone dyestuffs. 2,989,548, 6–20–61, Cl. 260—379.

Boyd, Walter K., M. E. Langston, and T. E. Johnson; said Boyd and said Langston assors. to Battelle Memorial Institute, said Johnson assor. to Stainless Foundry & Engineering, Inc. Nickel-base alloys. 3,008,822, 11–14–61, Cl. 75—171.

Boyd, William, to Colgate-Palmolive Co. Apparatus for pressing detergent cakes. 3,008,211, 11–14–61, Cl. 25—7.

Boyd, William C. Spherical vehicular amusement device. 3,013,806, 12–19–61, Cl. 280—78.

Boyd, William E., to Chrysler Corp. Differential bearing assembly. 3,001,842, 9–26–61, Cl. 308—236.

Boyd, William H. A., to United States of America, Navy. Guided missile. 2,992,794, 7–18–61, Cl. 244—14.

Boyd, Worthy T.: *See*—
Wilson, Samuel W., and Boyd. 2,994,721.

Boyden, Robert E.: *See*—
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Boyden, Robert E. Water sprinkling device. 2,979,271, 4–11–61, Cl. 239—236.

Boyden, Robert E. Spring testing device. 3,013,430, 12–19–61, Cl. 73—161.

Boyden, Robert E., M. V. Scozzafava, and A. F. Stansell, to Clary Corp. Sales transaction apparatus. 2,983,439, 5–9–61, Cl. 235—23.

Boyden, Robert E., and F. N. Schwend, to Clary Corp. Merchandise registering apparatus. 3,010,647, 11–28–61, Cl. 235—60.13.

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Boyer, Arthur I., to L. Boyer. Portable roasting broiler unit. 3,008,405, 11–14–61, Cl. 99—421.

Boyer, Jackson S., to Sun Oil Co. Oil and ethylene-vinyl acetate copolymer resin composition. 3,010,899, 11–28–61, Cl. 252—29.

Boyer, Joseph M., to Antenna Engineering Laboratories. Radial waveguide antenna. 2,996,713, 8–15–61, Cl. 343—745.

Boyer, Keith: *See*—
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Boyer, Keith, J. E. Hammel, C. L. Longmire, D. E. Nagle, F. L. Ribe, and J. L. Tuck, to United States of America, Atomic Energy Commission. Rotating plasma device. 3,005,767, 10–24–61, Cl. 204—193.2.

Boyer, Kerwin R.: *See*—
Mahler, Peter A., and Boyer. 2,970,460.

Boyer, Lonnie: *See*—
Boyer, Arthur I. 3,008,405.

Boyer, Myron H., to North American Aviation, Inc. Gas generator grain. 2,981,616, 4–25–61, Cl. 52—.5.

Boyer, Nolan D., and D. M. Lewis, to E. I. du Pont de Nemours and Co. Film. 2,987,240, 6–6–61, Cl. 229—87.

Boyer, Ralph K., and H. W. Krohn, Jr., to The Dill Mfg. Co. Lubricating holder for a side wall tire valve inflating needle. 2,969,082, 1–24–61, Cl. 137—231.

Boyer, Ralph K., and R. H. Nece, to The Dill Mfg. Co. Sidewall valve for tubeless tires. 2,971,526, 2–14–61, Cl. 137—223.

Boyer, Raymond W.: *See*—
Moon, Frederick C., and Boyer. 2,998,553.

Boyer, Richard P., Jr.: *See*—
Blake, Francis E., Henson, and Boyer. 2,974,268.

Boyer, Samuel D. Splatter guard for frying pans and the like. 2,999,559, 9–12–61, Cl. 183—1.

Boyer, William M., G. Cavlin, and H. E. Tarbell, Jr., to The Richardson Co. Synthetic laminate. 3,007,828, 11–7–61, Cl. 154—43.

Boyer, William P., J. R. Mangham, and T. M. Melton, to Virginia-Carolina Chemical Corp. Aliphatic aryl phosphites. 2,968,670, 1–17–61, Cl. 260—461.

Boykin, John R., to United States of America, Navy. Magnetic fuze. 3,001,476, 9–26–61, Cl. 102—70.2.

Boykin, Mary M., and R. D. Stubbs. Apparatus for stringing tennis rackets and the like. 2,971,760, 2–14–61, Cl. 273—73.

Boykin, Otis F., to CTS Corp. Electrical resistor. 2,972,726, 2–21–61, Cl. 338—297.

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Osborne, Raymond G., Jr., and Boykin. 2,982,481.

Boylan, Arthur P., and W. J. Fontana, to United States of America, Army. Switch. 3,012,116, 12–5–61, Cl. 200—87.

Boylan, Henry W., to General Motors Corp. Adjustable grille. 2,987,981, 6–13–61, Cl. 98—2.

Boylan, Henry W., to General Motors Corp. Automotive heating systems. 2,996,255, 8–15–61, Cl. 237—8.

Boyland, Donald A. Centrifuges. 3,007,629, 11–7–61, Cl. 233—21.

Boyland, Donald A. Centrifuges. 3,011,695, 12–5–61, Cl. 233—13.

Boyland, Donald A. Centrifuges. 3,011,696, 12–5–61, Cl. 233—46.

Boyle, Alfred E. Smoke and fire alarm system. 2,982,950, 5–2–61, Cl. 340—228.

Boyle, Eugene J., Jr., and R. G. McMichael, to Robertshaw-Fulton Controls Co. Phase comparator utilizing hall effect. 2,994,037, 7–25–61, Cl. 324—83.

Boyle, James F., J. R. Summer, R. J. Fraebel, and R. G. Lehberger, to The Garrett Corp. Retractable buoyant supporting means for vehicles. 3,004,737, 10–17–61, Cl. 244—102.

Boyle, John M.: *See*—
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Boyle, John R., to Hubbell Corp. Pressure and temperature responsive pilot valve for refrigeration systems. 2,993,348, 7–25–61, Cl. 62—217.

Boyle, Richard J., O. G. Birsten, and W. L. Mosby, to American Cyanamid Co. New heterocyclic orthoquinones. 2,970,146, 1–31–61, Cl. 260—256.4.

Boyle, Richard P., to The Weatherhead Co. Reusable hose end coupling. 2,974,980, 3–14–61, Cl. 285—247.

Boyle, Robert J., and G. R. James, to Chemical Construction Corp. Hydrogen fluoride process. 3,004,829, 10–17–61, Cl. 23—153.

Boyle, Willard S., and G. E. Smith, to Bell Telephone Laboratories, Inc. D.C. pumped solid state maser. 3,002,156, 9–26–61, Cl. 330—4.

Boyle, William W.: *See*—
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Boyles, Elmo N. Knee-action dead axle wheel suspension. 2,988,374, 6–13–61, Cl. 280—124.

Boyles, Robert L.: *See*—
Dimond, Herbert M., and Boyles. 2,994,183.

Boyles, Robert L., to General Electric Co. Simulated swinging pendulum clock. 2,995,005, 8–8–61, Cl. 58—26.

Boyne Products, Inc.: *See*—
Dryer, Peter J., and Harding. 2,999,911.

Boynton, A. J., & Co.: *See*—
Lawler, Frank P. 3,002,739.

Boynton, Harry G.: *See*—
Edwards, William R., and Boynton. 2,976,335.

Boynton, Kinnison S., G. B. Johnson, and B. D. Tyree, to California Research Corp. Process for reinforcing a ferrous metal surface. 3,009,824, 11–21–61, Cl. 117—65.2.

Boysen, Arne, to Aktiebolaget Svenska Flaktfabriken. Arrangement for an adjustable ventilation in tunnels or similar spaces. 2,996,973, 8–22–61, Cl. 98—49.

Boysen, Heinz, to Christiansen & Meyer. Single- and double-heating vulcanizing press. 3,012,279, 12–12–61, Cl. 18—17.

Boysen, Walter A., to Continental Plastics Corp. Plastic receptacle with flush-type hinge construction. 2,990,082, 6–27–61, Cl. 220—31.

Boyt Co., The: *See*—
Boyt, Richard D. 3,011,687.

Boyt, Richard D., to The Boyt Co. Firearm holster. 3,011,687, 12–5–61, Cl. 224—2.

Bozeman, Hoyt W., Jr., to James R. Kearney Corp. Cutting tool. 2,974,414, 3–14–61, Cl. 30—272.

Bozik, Fred F. Paint can holder. 3,001,751, 9–26–61, Cl. 248—210.

Bozorth, Richard M., to Bell Telephone Laboratories, Inc. Magnetic field detector. 2,997,648, 8–22–61, Cl. 324—43.

Bozza, Joseph D., to The Jo-An Shoe Mfg. Co., Inc. Moccasins and footwear. 2,999,328, 9–12–61, Cl. 36—11.

Bracco Industria Chimica S.p.A.: *See*—
Felder, Ernst, and Pitré. 2,979,525.

Brace & Corbett, Inc.: *See*—
Corbett, Philip H., and Brace. 2,968,273.

Brace, Eldred C.: *See*—
Horton, Frank E., and Brace. 2,970,036.

Brace, James: *See*—
Corbett, Philip H., and Brace. 2,968,273.

Brace, Porter H., and J. C. Laffan, Jr., to United States of America, Navy. Method of making gun liner elements. 2,977,666, 4–4–61, Cl. 29—1.1.

Brace, Robert L., and R. M. Schirmer, to Phillips Petroleum Co. Apparatus for testing fuels. 3,002,819, 10–3–61, Cl. 23—253.

Bracesco, John F. Mud guard for trailer truck tractor. 2,972,149, 2–21–61, Cl. 280—152.

Bracey, Ronald J., and D. L. Rigby, to Baird and Tatlock (London) Ltd. Photo electronic system. 2,980,802, 4–18–61, Cl. 250—218.

Brachman, Armand E., to E. I. du Pont de Nemours and Co. Polymerization catalyst. 3,000,837, 9–19–61, Cl. 252—429.

Brachman, Armand E., to E. I. du Pont de Nemours and Co. Catalytic process for making unsaturated cyclic acetals. 3,014,924, 12–26–61, Cl. 260—338.

Bracht, John P., to The B. F. Goodrich Co. Pneumatic tire bead construction. 2,992,671, 7–18–61, Cl. 152—362.

Bracken, Garland C., to Dollar Electric Co. Welding electrode holders. 2,980,790, 4–18–61, Cl. 219—120.

Bracken, Warner T., to Acme Industrial Co. Mounting of drill jig bushings. 2,968,199, 1–17–61, Cl. 77—62.

Brackett, George E., to Basic Products Corp. Controller for machines. 3,006,196, 10–31–61, Cl. 74—2.

Brackin, Richard F., to The Yale and Towne Mfg. Co. Reservoir for hydraulic system. 3,002,355, 10–3–61, Cl. 60—52.

Brackmann, Richard T.: *See*—
Fite, Wade L., and Brackmann. 2,978,603.

Braconier, Frederic F. A., and J. J. L. E. Riga, to Societe Belge de l'Azote et des Produits Chimiques du Marly. Furnace for the production of unsaturated hydrocarbons. 2,970,178, 1–31–61, Cl. 260—679.

Braconier, Frederic F. A., and J. J. L. E. Riga, to Societe Belge de l'Azote et des Produits Chimiques du Marly. Process and apparatus for treatment of hydrocarbons. 2,978,521, 4–4–61, Cl. 260—679.

Braconier, Frederic F. A., and J. J. L. E. Riga, to Societe Belge de l'Azote et des Produits Chemiques du Marly. Process and apparatus for treatment of hydrocarbons. 2,998,466, 8–29–61, Cl. 260—679.

Bradbury, James G., to Hays Mfg. Co. Plug valve. 2,967,539. 1–10–61, Cl. 137—246.

Bradbury, Walter C., and F. G. Hess, to Cities Service Research and Development Co. Improving the stability of hydrocarbon distillates. 3,011,973, 12–5–61, Cl. 208—297.

Braddon, Frederick D.: *See*—
McCartney, Earl J., and Braddon. 2,986,966.

Braddon, Frederick D., L. F. Beach, and J. H. Chadwick, Jr., to Sperry Rand Corp. Ship stabilization system. 2,979,010, 4–11–61, Cl. 114—126.

Braddy, De Carr C.: *See*—
Rowand, Will H., and Braddy. 2,982,266.

Braden, Alvin H. Wildlife feeder. 2,972,334, 2–21–61, Cl. 119—51.

Braden, Elmer A.: *See*—
Hanson, Roy R., and Braden. 3,001,384.

Braden, Rene A., to Radio Corp. of America. Radar system showing targets in altitude layers. 2,995,742, 8–8–61, Cl. 343—11.

Bradfield, Geoffrey: *See*—
Lewis, Ewart G., Eldridge, Bradfield, and Bertoya. 2,971,372.

Bradfield, Geoffrey. Launching mechanical waves. 2,984,756, 5–16–61, Cl. 310—9.4.

Bradford, Benny B.: *See*—
Nesbitt, Lyle E., Barron, and Bradford. 2,986,538.

Bradford Dyers' Association Ltd.: *See*—
Parker, Charles S., and Melville. 3,001,262.
Screeton, Bertram E., Sherriff, and Rogers. 3,002,251.

Bradford, Henry K., to U.S. Electronics Corp. Magnetron tester. 2,967,996, 1–10–61, Cl. 324—58.

Bradford, James L.: *See*—
May, Frank H., and Bradford. 2,989,375.

Bradford, John A., to Food Machinery and Chemical Corp. Article handling apparatus. 2,984,331, 5–16–61, Cl. 198—33.

Bradford, John O.: *See*—
Bonomo, Melvin E., and Bradford. 2,993,369.

Bradford, John R., and D. N. Adams, to Harris-Intertype Corp. Method and means for measuring ink film thickness. 2,971,461, 2–14–61, Cl. 101—426.

Bradford, John R., N. L. Dickinson, D. N. Felgar, and W. T. Hage, to The Babcock & Wilcox Co. Scintillation-counter probe for high temperature sampling. 3,005,101, 10–17–61, Cl. 250—71.5.

Bradford Novelty Co., Inc.: *See*—
Burnbaum, Jack. 2,990,640.

Bradford, Purdy, to Swift & Co. Air conditioning system. 3,002,730, 10–3–61, Cl. 257—280.

Bradford, Robert J. Automatically positioning nail set. 2,979,092, 4–11–61, Cl. 145—46.

Bradfute, John O., and P. W. Snijders, to General Dynamics Corp. Venturi coupling apparatus. 3,009,716, 11–21–61, Cl. 284—18.

Bradley, Addison B., to John Oster Mfg. Co. Atomizing type portable humidifier. 3,005,591, 10–24–61, Cl. 239—216.

Bradley, Cecil E. Rear chain oiler for motorcycle. 3,012,632, 12–12–61, Cl. 184—15.

Bradley, Cortez J. Baseboard scrubber. 2,989,763, 6–27–61, Cl. 15—50.

Bradley, David E., to Metropolitan-Vickers Electrical Co. Ltd. Platinum carbon rods for electron microscope technique. 2,985,599, 5–23–61, Cl. 252—503.

Bradley, Frank R., Jr. Automatic range switching servosystem. 2,993,157, 7–18–61, Cl. 318—28.

Bradley, Frank R., Jr. Tapped potentiometer circuit. 2,993,185, 7–18–61, Cl. 338—176.

Bradley, George C., A. C. Hoven, and W. E. Nordmark, to American Seating Co. Desk top construction. 2,979,370, 4–11–61, Cl. 312—316.

Bradley, George C., A. C. Hoven, and W. E. Nordmark, to American Seating Co. Lifting lid desk box. 3,008,789, 11–14–61, Cl. 312—316.

Bradley, George M., and J. Supero. Index pointer for recording and movie reels. 3,006,312, 10–31–61, Cl. 116—114.

Bradley, Harold. Dryer rack. 2,981,418, 4–25–61, Cl. 211—86.

Bradley, John G. Boat storage houses. 2,984,076, 5–16–61, Cl. 61—48.

Bradley, Marion W. Wire stripping device. 2,978,934, 4–11–61, Cl. 81—9.5.

Bradley, Milton, Co.: *See*—
McMahon, Thomas J. 2,989,811.

Bradley, Robert L., and H. R. Carr, to United Shoe Machinery Corp. Machines for applying pressure to shoe bottoms. 3,002,208, 10–3–61, Cl. 12—33.

Bradley, Theodore F., to Shell Oil Co. Bituminous compositions. 3,012,485, 12–12–61, Cl. 94—22.

Bradley, Theodore F., and R. D. Harline, to Shell Oil Co. Alkenylaryl glycidyl ethers and polymers thereof. 3,014,890, 12–26–61, Cl. 260—47.

Bradley, Walter W., to J. W. Knox. Egg incubator. 2,980,059, 4–18–61, Cl. 119—37.

Bradley Washfountain Co.: *See*—
Mullett, Howard G., and Sevedge. 2,991,943.

Bradley, William E., to Philco Corp. Frequency selective circuit. 2,973,489, 2–28–61, Cl. 333—76.

Bradley, William E., and M. Rubinoff, to Philco Corp. Transistor circuit. 2,973,437, 2–28–61, Cl. 307—88.5.

Bradley, William J., to Earth Equipment Corp. Backhoes for ditch digging machines. 2,989,198, 6–20–61, Cl. 214—138.

Bradmiller, Richard W., to Avco Mfg. Corp. Temperature-compensated magnetic-cored inductor. 2,999,214, 9–5–61, Cl. 336—179.

Bradmiller, Richard W., to Avco Mfg. Corp. Multistage transistor amplifier. 3,001,145, 9–19–61, Cl. 330—19.

Bradner, Ernest G., to Prestole Corp. Sheet metal nut with arched screw receiving means and latching flanges. 2,988,951, 6–20–61, Cl. 85—32.

Bradner, Hugh. Mine firing mechanism. 3,011,440, 12–5–61, Cl. 102—18.

Bradner, Hugh, and G. G. Drew. Magnetic mine firing system. 3,011,439, 12–5–61, Cl. 102—18.

Bradshaw, Granville E., to Bromega Ltd. Gas generators. 2,968,290, 1–17–61, Cl. 123—18.

Bradshaw, James R., and R. A. Cresswell, to The British Oxygen Co. Ltd. Electric arc cutting electrodes. 2,984,781, 5–16–61, Cl. 219—69.

Bradshaw, John A. Machine and method of winding and coiling textile strand material. 3,000,075, 9–19–61, Cl. 28—21.

Bradshaw, R Louis, and J. W. Thomas, to United States of America, Army. Air radioactivity monitor. 2,979,620, 4–11–61, Cl. 250—83.6.

Bradshaw, Robert S.: *See*—
Jones, Richard H., and Bradshaw. 3,007,631.

Bradshaw, Robert S., and A. G. Markgraf, to Burroughs Corp. Record sheet feeding and line selection mechanism. 2,996,166, 8–15–61, Cl. 197—130.

Bradshaw, Robert S., W. Hanstein, H. R. Ott, and W. C. Sheppard, to Burroughs Corp. Multiplier accounting machine. 3,002,689, 10–3–61, Cl. 235—160.

Bradshaw, Robert W., to United Shoe Machinery Corp. Shoe machines. 3,006,295, 10–31–61, Cl. 112—46.

Bradshaw, Samuel R.: *See*—
Stevens, Norman B., Bradshaw, and Davison. 3,002,125.

Bradshaw, William H., and E. H. Shaw, to Celanese Corp. of America. Alkali cellulose aging. 2,977,355, 3–28–61, Cl. 260—233.

Bradshaw, William H., R. R. James, and E. H. Shaw, to Celanese Corp. of America. Slurry aging. 2,991,281, 7–4–61, Cl. 260—233.

Bradstreet, Samuel W.: *See*—
Noble, Richard D., Bradstreet, and Rechter. 2,995,453.

Bradstreet, Samuel W., and H. L. Rechter, to Armour Research Foundation of Illinois Institute of Technology. Combustion catalysis. 2,978,360, 4–4–61, Cl. 117—104.

Bradt, Herbert, to Glenn-Killian Color Co. Color proofing kit and method. 2,990,715, 7–4–61, Cl. 73—150.

Bradway, Elizabeth M.: *See*—
Hale, James F., Klein, and Bradway. 2,980,543.

Bradway, Keith E., and A. P. Yundt, to Union Bag-Camp Paper Corp. Method and apparatus for continuous countercurrent pulping of ligno-cellulose materials. 2,988,470, 6–13–61, Cl. 162—17.

Brady, Charles E.: *See*—
Heyn, William O., and Brady. 2,972,984.

Brady, Charles E., to Chrysler Corp. Accumulator charging mechanism. 2,989,972, 6–27–61, Cl. 137—108.

Brady, Charles J.: *See*—
Dietrich, Howard H., Brady, and Garthe. 3,001,519.

Brady, Charles V.: *See*—
Williams, Russell J., Brady, and Ottinger. 2,978,164.

Brady, Dale W., to Brady Mfg. Corp. Hay conditioning device. 3,006,272, 10–31–61, Cl. 100—93.

Brady, Francis E., Jr. Welded tank structure and method of making same. 2,970,719, 2–7–61, Cl. 220—75.

Brady, Harry A. Automatic self-cleaning rake. 2,993,330, 7–25–61, Cl. 56—400.09.

Brady, John: *See*—
Pope, Martin, and Brady. 2,987,813.

Brady, John G.: *See*—
Szabo, Karoly, Brady, and Williamson. 2,988,474.

Brady, Kenneth J., and N. Townsend, said Townsend assor. to said Brady. Automatic vending machine. 3,001,670, 9–26–61, Cl. 221—116.

Brady, Lynn J., to Kearfott Co., Inc. Method for increasing the effective permeability of manganese ferrites. 3,003,967, 10–10–61, Cl. 252—62.5.

Brady Mfg. Corp.: *See*—
Brady, Dale W. 3,006,272.

Brady, Richard R., and E. J. Dulis, to United States Steel Corp. High strength alloy for use at elevated temperatures. 2,968,549, 1–17–61, Cl. 75—126.

Brady, Richard V.: *See*—
Bargetzi, Fred H., Jr., and Brady. 3,012,572.

Brady, Samuel S., to Aircraft Armaments, Inc. Disintegrating link assembly for cartridge belt. 2,970,522, 2–7–61, Cl. 89—35.

Brady, Sheldon T., to Packard-Bell Electronics Corp. Garage door mechanism. 2,982,541, 5–2–61, Cl. 268—74.

Brady, Sheldon T., and B. E. Hooper, to Packard-Bell Electronics Corp. Signal powered television remote control system. 2,997,535, 8–22–61, Cl. 178—5.8.

Brady, Stephen A. Multiple reeling device. 3,000,588, 9–19–61, Cl. 242—86.5.

Brady, W. H., Co.: *See*—
Simmons, Vaughan P. 2,969,057.
Tobey, Frederic S. 2,975,091.
Tobey, Frederic S. 3,006,502.

Brady, William A., Jr., and J. R. Tolatyka, to General Motors Corp. Body side spray machine. 3,008,648, 11–14–61, Cl. 239—186.

Braeckman, Fernand, to Ateliers de Constructions Electriques de Charleroi. Conductor for transformer windings. 2,978,530, 4–4–61, Cl. 174—34.

Braendel, Helmuth G., to Wilkening Mfg. Co. Piston ring. 2,967,746, 1–10–61, Cl. 309—44.

Braendel, Helmuth G., to Wilkening Mfg. Co. Piston ring. 3,000,678, 9–19–61, Cl. 309—45.

Braendle, Harold A., to Columbian Carbon Co. Rubber compounding. 2,980,639, 4–18–61, Cl. 260—27.

Braeuninger, Karl F., to The Dow Chemical Co. Metal working device. 2,974,710, 3–14–61, Cl. 153—54.

Braeuninger, Karl F., and C. S. Harris, to The Dow Chemical Co. Heat treating method. 2,993,688, 7-25-61, Cl. 263—52.

Braf, G., Co., Inc.: *See*—
Haff, Frederick, Jr. 3,011,460.

Brafford, James O., to General Motors Corp. Engine speed warning system. 2,983,911, 5-9-61, Cl. 340—264.

Braffort, Paul: *See*—
Borrel, Jean, Braffort, Janot, and Pottier. 3,014,655.

Bragdon, Robert W., to Metal Hydrides Inc. Stabilized aqueous solutions of sodium borohydride. 2,970,114, 1-31-61, Cl. 252—188.

Bragg, Herbert E., to Twentieth Century Fox Film Corp. Recording and reproducing of pictures enhancing the illusion of realism. 3,014,402, 12-26-61, Cl. 88—16.2.

Bragg, John R.: *See*—
Kistiakowsky, George B., McDougall, Lum, Bragg, and Messerly. 2,966,822.

Braggs, Cecil, and I. W. Bolton, to The Monotype Corp. Ltd. Photo-type composing machines. 2,989,904, 6-27-61, Cl. 95—4.5.

Brähler, Berthold: *See*—
Bartels, Ernst A., Brähler, Reese, and Zimmermann. 2,974,085.

Brahler, Berthold, J. Reese, and R. Zimmermann, to Chemische Werke Albert. N-methyl-benzoxazolone esters of thiophosphoric and dithiophosphoric acids. 2,984,669, 5-16-61, Cl. 260—307.

Brahm, Charles B., to United Aircraft Corp. Fail-safe modulation circuit. 2,980,868, 4-18-61, Cl. 332—51.

Brahm, Harry. Ventilating insole for footwear. 3,005,271, 10-24-61, Cl. 36—3.

Braicks, Johan W., to North American Philips Co., Inc. Color television camera tube with indexing structure. 3,001,012, 9-19-61, Cl. 178—5.4.

Braid, Milton: *See*—
Hauptschein, Murray, and Braid. 2,975,220.
Hauptschein, Murray, and Braid. 3,002,030.
Hauptschein, Murray, and Braid. 3,002,031.
Hauptschein, Murray, and Braid. 3,006,973.
Hauptschein, Murray, and Braid. 3,008,966.

Braidwood, Clinton A., to Schenectady Varnish Co., Inc. Substituted phenols. 2,972,600, 2-21-61, Cl. 260—59.

Brainard, Carl W. and H. V. Disposable garment. 2,973,523, 3-7-61, Cl. 2—46.

Brainard, Helen V.: *See*—
Brainard, Carl W. and H. V. 2,973,523.

Braithwaite, David G., to Nalco Chemical Co. Method for preparing an alumina catalyst base. 2,984,630, 5-16-61, Cl. 252—464.

Braithwaite, David G., to Nalco Chemical Co. Alumina compositions and process for the preparation thereof. 2,988,520, 6-13-61, Cl. 252—455.

Braithwaite, David G., to Nalco Chemical Co. Compositions containing alumina and method for the preparation thereof. 2,996,460, 8-15-61, Cl. 252—455.

Braithwaite, David G., to Nalco Chemical Co. Preparation of organic lead compounds. 3,007,857, 11-7-61, Cl. 204—59

Braithwaite, David G., to Nalco Chemical Co. Preparation of organo metallic compounds. 3,007,858, 11-7-61, Cl. 204—59.

Braithwaite, David G., E. H. McGrew, W. P. Hettinger, Jr., and J. S. D'Amico, to Nalco Chemical Co. Catalysts containing alumina and process for the preparation thereof. 3,010,914, 11-28-61, Cl. 252—455.

Brakebill, Elvin K.: *See*—
Leake, Preston H., and Brakebill. 3,009,954.

Brakebill, Elvin K., to Allied Chemical Corp. Process for isolating dimethylamine from mixture containing same, other amines and ammonia. 2,998,355, 8-29-61, Cl. 202—39.5.

Brakebill, Harold G., to Robertshaw-Fulton Controls Co. Pilot operated valve member. 2,994,505, 8-1-61, Cl. 251—358.

Brakemaster Corp.: *See*—
George, Robert H. 3,006,368.

Brakensiek, Harry R. Boat engine. 3,010,422, 11-28-61, Cl. 115—34.

Brakeshoe International, S.A.: *See*—
Prendergast, Charles S. 2,972,953.

Brall, Wilhelm: *See*—
Brasack, Fritz, and Brall. 3,002,366.

Bram, Walter, to Paliz-Holding A.G. Knitting machine. 3,007,324, 11-7-61, Cl. 66—64.

Bram, Walter, to Paliz-Holding A.G. Patterning device for knitting machines. 3,009,340, 11-21-61, Cl. 66—75.

Bramberry, Harry M., and P. A. Lux, to Ramsey Corp. Retaining ring having interacting tabs and slot to prevent expansion. 2,985,054, 5-23-61, Cl. 85—88.

Bramble, John H.: *See*—
Ford, James G., Murrin, and Bramble. 2,980,561.

Bramble, Lloyd F. Asphaltic seal assemblies. 2,972,558, 2-21-61, Cl. 154—53.5.

Bramhall, George H., to General Electric Co. Low cost mobile vacuum cleaner. 2,991,928, 7-11-61, Cl. 230—117.

Bramley, Arthur and J. Electroluminescent device. 3,002,121, 9-26-61, Cl. 313—108.

Bramley, Arthur and J. Triggering electroluminescent panels. 3,010,025, 11-21-61, Cl. 250—213.

Bramley, Jenny: *See*—
Bramley, Arthur and J. 3,002,121.
Bramley, Arthur and J. 3,010,025.

Brammer Mfg. Co.: *See*—
Maxwell, Owen F. 2,992,057.

Brammer, Robert C., to Stromberg-Carlson Products, Inc. Folding oil drum rack. 3,013,757, 12-19-61, Cl. 248—150.

Bramming, Carl, to Aladdin Industries, Inc. Sip-through and pour-through closure for vacuum bottles or the like. 2,979,238, 4-11-61, Cl. 222—484.

Bramming, Carl, to Aladdin Industries, Inc. Vacuum bottle and cup. 2,989,203, 6-20-61, Cl. 215—13.

Branagan, Edward F.: *See*—
Shindledecker, Maurice E., Branagan, and Horsman. 2,996,586.
Shindledecker, Maurice E., Branagan, and Horsman. 2,997,558.

Branaman, Arthur P. Watermelon tray. 2,998,159, 8-29-61, Cl. 220—85.

Brancaccio, Massimo. Three-dimensional radiology apparatus. 3,004,159, 10-10-61, Cl. 250—60.

Branch, Frank F., and H. L. Shaw, to Product Development & Sales Co. Motor vehicle fan clutch assembly. 2,974,770, 3-14-61, Cl. 192—104.

Branch, James R. Grinding machine for voltage regulator contacts. 2,997,817, 8-29-61, Cl. 51—125.

Branch, John W.: *See*—
Burgert, Harold E. 2,967,428.

Brand, Frederick B., J. H. Chadwick, Jr., and J. Bentkowsky, to Sperry Rand Corp. Elevational control system for navigable craft. 3,003,450, 10-10-61, Cl. 114—25.

Brand, Harry R., and E. I. Schefer, to Sylvania-Corning Nuclear Corp. Reactor fuel plate assembly and method. 2,981,669, 4-25-61, Cl. 204—154.2.

Brand, R L. Grader attachment for a tractor. 3,007,266, 11-7-61, Cl. 37—155.

Brand, Samuel, to International Business Machines Corp. Manually controlled record sorting machine. 2,999,592, 9-12-61, Cl. 209—122.

Brand, Warren H., to Conoflow Corp. Positioning device. 2,993,498, 7-25-61, Cl. 137—85.

Brandano, Giuseppe. Display tank for shellfish. 2,981,228, 4-25-61, Cl. 119—2.

Brandberg, Åke R. L., to Svenska Skifferoljeaktiebolaget. Method in pyrolising and burning and a shaft furnace for the execution thereof. 2,967,133, 1-3-61, Cl. 202—6.

Brandell, John R. Game device. 3,003,769, 10-10-61, Cl. 273—179.

Brandell, Nels O., to Art Metal Construction Co. Book stack units. 2,978,112, 4-4-61, Cl. 211—136.

Brander, Arthur, to The British Steel Piling Co. Ltd. Pile extractors. 2,980,061, 4-18-61, Cl. 121—26.

Brandes, Ernest E. Heat dispersing structure. 3,002,442, 10-3-61, Cl. 98—40.

Brandes, Ernest E. Heat dispersing structure. 3,002,443, 10-3-61, Cl. 98—40.

Brandes, Frank A., Sr.: *See*—
Wahl, Frederick B. 2,984,175.

Brandes, Jürgen, and R. Gewehr, to Vereinigte Glanzstoff-Fabriken A.G. Light stabilized polyamide. 2,985,621, 5-23-61, Cl. 260—45.75.

Brandes, Roy A.: *See*—
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 3,002,568.

Brandes, Roy H.: *See*—
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 2,986,220.

Brandimarte, Alfred P., to A.R.A. Mfg. Co. Compact cooling unit. 2,995,906, 8-15-61, Cl. 62—427.

Brandl, Wilhelm. Heater for liquid and gaseous media. 2,987,605, 6-6-61, Cl. 219—39.

Brandmayr, Ronald J., A. E. Brown, S. Di Vita, and R. J. Fischer, to United States of America, Army. Method of hot-pressing ceramic ferro-electric materials. 2,990,602, 7-4-61, Cl. 25—157.

Brandon, Alfred E. Anchor element for armchair tray. 3,006,687, 10-31-61, Cl. 297—153.

Brandon, Arthur H., and J. J. Richart, to H. Whittaker. Casing testing attachment. 2,990,621, 7-4-61, Cl. 33—178.

Brandon, Carl, to Montgomery Elevator Co. Hydraulic elevator safety device. 2,981,236, 4-25-61, Cl. 121—46.

Brandon, Carl, to Montgomery Elevator Co. Hydraulic elevator safety device. 2,981,238, 4-25-61, Cl. 121—46.

Brandon, Chester, to General Precision, Inc. Velocity measuring scanner for aircraft. 3,006,235, 10-31-61, Cl. 88—1.

Brandon, Clarence W., 12½ to O. B. Brandon, and 5% to H. B. Jacobson, and 50% to N. A. Hardin, C. H. Newton, and H. H. Wright. Method for refrigeration and heat transfer. 3,006,154, 10-31-61, Cl. 62—115.

Brandon, James C., Jr., and H. Eyberger, to Magnetics, Inc. Apparatus for lubricating mold cavities. 3,011,213, 12-5-61, Cl. 18—20.

Brandon, Orpha B.: *See*—
Brandon, Clarence W. 3,006,154.

Brands, Jan, to Automatic Poultry Feeder Co. Means for separating foreign matter from feed. 2,985,302, 5-23-61, Cl. 209—235.

Brandstetter, Georg, to Sulzer Freres, S.A. Tubular lining for the combustion chamber of a radiant heat tubular heat exchanger. 2,995,118, 8-8-61, Cl. 122—235.

Brandt, Armand, to Aktiengesellschaft Brown, Boveri & Cie. Contactor type rectifier. 2,969,496, 1-24-61, Cl. 321—48.

Brandt, Armand, to Aktiengesellschaft Brown, Boveri & Cie. Apparatus for automatic regulation of current in contact converters. 3,011,118, 11-28-61, Cl. 321—48.

Brandt Automatic Casnier Co.: *See*—
Buchholz, Arnold R. 2,976,874.
Buchholz, Arnold R. 2,988,093.
Buchholz, Arnold R., and Haban. 2,973,768.
Buchholz, Arnold R., and Haban. 2,977,961.
Buchholz, Arnold R., and Haban. 2,988,092.

Brandt, Carl T.: *See*—
Reed, Edwin E., and Brandt. 2,979,134.

Brandt, Carl T., to Phillips Petroleum Co. Safety apparatus for underground pressure fluid storage. 2,981,071, 4–25–61, Cl. 64—.5

Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa. Sighting device for rifle grenades and the like. 2,968,870, 1–24–61, Cl. 33—47.

Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa. Device for throwing grenades by means of firearms. 3,007,271, 11–7–61, Cl. 42—1.

Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa. Field piece with swingably mounted wheels. 3,009,395, 11–21–61, Cl. 89—40.

Brandt, Edgar W., to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa. Projectile provided with a safety device. 3,010,397, 11–28–61, Cl. 102—56.

Brandt, Gotlieb H.: *See*—
Roberts, Webster C., and Brandt. 3,008,407.

Brandt, Hans-Ado, to Agfa Aktiengesellschaft. Ribbon advancing and reversing mechanism for stamping devices, typewriters and the like. 2,978,090, 4–4–61, Cl. 197—162.

Brandt, Herbert. Dust separator. 2,995,207, 8–8–61, Cl. 183—81.

Brandt, James L.: *See*—
Cochran, Charles N., Brandt, and Foster. 2,995,479.

Brandt, James W.: *See*—
Miller, Raymond G., and Brandt. 2,978,894.

Brandt, John B., M. A. Noel, H. J. Kelly, and J. J. Burns, to Mobile Incinerators, Inc. Mobile incinerators. 2,985,120, 5–23–61, Cl. 110—18.

Brandt, Milton L.: *See*—
Zolezzi, Walter M., and Brandt. 3,006,766.

Brandt, William D., to Hickok Mfg. Co. Inc. Hanging tubular belt display package. 2,991,874, 7–11–61, Cl. 206—7.

Brandt, William E., to Lord Chemical Corp. Machine for precision finishing of parts by controlled vibration. 2,973,606, 3–7–61, Cl. 51—163.

Brandt, William E., to Bell Intercontinental Corp. Apparatus for precision finishing of parts and objects by controlled vibration. 2,997,813, 8–29–61, Cl. 51—7.

Brandt, William E., to Bell Intercontinental Corp. Machine for precision finishing of parts by controlled vibration. 2,997,814, 8–29–61, Cl. 51—7.

Branham, Martin. Cap block and gutter. 2,975,561, 3–21–61, Cl. 50—182.

Branick, Charles E. Tire bead spacing and supporting element. 2,972,405, 2–21–61, Cl. 206—46.

Branick, Charles E. Leak testing device for tubeless tires. 2,982,126, 5–2–61, Cl. 73—45.6.

Branick, Charles E. Device for inserting air bags in pneumatic tire casings. 3,012,272, 12–12–61, Cl. 18—2.

Brankovic, Miodrag: *See*—
Brankovic, Obrad and M. 2,998,992.

Brankovic, Obrad and M. Mechanism for pulling a lock handle into a vehicle door. 2,998,992, 9–5–61, Cl. 292—1.

Brannan, Robert L.: *See*—
Swanda, Howard F., and Brannan. 2,969,060.

Brannock, Kent C.: *See*—
Martin, James C., and Brannock. 3,000,747.

Brannon, Edward O.: *See*—
Rynders, Robert D., and Brannon. 2,975,717.

Branscomb, Charles E., to International Business Machines Corp. Simplified collator. 2,987,181, 6–6–61, Cl. 209—110.

Branscomb, Charles E., to International Business Machines Corp. Parallel-serial card path collator. 2,995,242, 8–8–61, Cl. 209—110.

Branson, Charles D., and W. S. Kunzler, to Robertshaw-Fulton Controls Co. Thermostatically controlled fluid valves. 3,002,693, 10–3–61, Cl. 236—99.

Branson Instruments, Inc.: *See*—
Branson, Norman G. 2,987,068.

Branson, Norman G., to Branson Instruments, Inc. Apparatus for ultrasonic cleaning. 2,987,068, 6–6–61, Cl. 134—184.

Brant, Arthur A.: *See*—
Love, Allan W., Baldwin, and Brant. 2,988,690.

Brant, Victor L., and D. G. Morgan, deceased (by M. and D. L. Morgan, executors); said V. L. Brant and D. G. Morgan, assors. to D-X Sunray Oil Co. Regeneration of spent adsorbent. 2,981,771, 4–25–61, Cl. 260—683.62.

Brantingham, Paul T., to International Harvester Co. Clutch member. 2,986,253, 5–30–61, Cl. 192—113.

Brantingham, Paul T., to International Harvester Co. Clutch member. 2,994,419, 8–1–61, Cl. 192—107.

Brantingson, Sigurd, to Brin Mfg. Co., Inc. Push button switch. 2,982,837, 5–2–61, Cl. 200—159.

Brantl, Louis J. Rockable foot and leg rest. 2,983,309, 5–9–61, Cl. 155—169.

Brantley, John C., to Union Carbide Corp. Cyclopentadienyl titanium halides. 2,983,741, 5–9–61, Cl. 260—429.5.

Brantley, John C., to Union Carbide Corp. Organo-cobalt compounds and method for production thereof. 2,988,563, 6–13–61, Cl. 260—439.

Brantley, John C., and T. Smist, to Union Carbide Corp. Bis-(indenyl)iron. 3,013,040, 12–12–61, Cl. 260—439.

Brantner, Harlan C.: *See*—
Helgeson, Virgil L., and Brantner. 2,995,984.

Branton, Peter D., and C. J. Plank, to Socony Mobil Oil Co., Inc. Catalytic hydrogen transfer process. 2,991,242, 7–4–61, Cl. 208—134.

Brasack, Fritz, and W. Brall, to G. Stibbe & Co., Ltd. Circular hose knitting machines. 3,002,366, 10–3–61, Cl. 66—42.

Brasch, Arno, to Electronized Chemicals Corp. Method for improving the properties of polymerized materials. 2,981,668, 4–25–61, Cl. 204—154.

Brasch, Edgar W., Jr.: *See*—
Thompson, Ralph R., and Brasch. 3,006,367.

Brasch, Herman A. Lawn edger. 3,011,562, 12–5–61, Cl. 172—17.

Braschwitz, John M.: *See*—
Freche, John C., McKinnon, and Braschwitz. 2,974,925.

Brasen, Wallace R., to E. I. du Pont de Nemours and Co. 1-amino-7-thioxocycloheptatrienes. 3,008,973, 11–14–61, Cl. 260—429.

Brasington, Clayton B., Jr. Detachably replaceable snood-type head scarf. 2,986,741, 6–6–61, Cl. 2—172.

Braskamp, Willem H., to N.V. Industriele Onderneming W. H. Braskamp. Ceiling ventilator. 2,972,896, 2–28–61, Cl. 74—86.

Braskamp, Willem H., to N.V. Industriele Onderneming W. H. Braskamp. Locking and operating mechanism for a closure. 2,985,447, 5–23–61, Cl. 268—74.

Braskamp, Willem H., to N.V. Industriele Onderneming W. H. Braskamp. Fastening strip for a ventilator. 3,001,466, 9–26–61, Cl. 98—96.

Brass, William C. Bath tub. 2,991,482, 7–11–61, Cl. 4—173.

Brassel, Jakob, and A. Buehler, to Ciba Ltd. Metalliferous azo-dyestuffs. 3,005,813. 10–24–61, Cl. 260—145.

Brastad, William A., to General Mills, Inc. Electrostatic apparatus. 2,971,127, 2–7–61, Cl. 317—9.

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Bostwick, Lewis S., Jr., and Brastow. 2,984,114.

Brasure, Donald E., to E. I. du Pont de Nemours and Co. Process of treating polymeric structures and product thereof. 2,970,066. 1–31–61, Cl. 117—33.3.

Brathge, Karl-Hans, and W. Siedel, to Parke, Davis & Co. Process for preparing serines. 3,010,992, 11–28–61, Cl. 260—519.

Bratt, Axel E., to Aktiebolaget Svenska Kullagerfabriken. Thrust roller bearings. 3,004,809, 10–17–61, Cl. 308—227.

Bratt, Martin D.: *See*—
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Bratt, Robert W., V. D. Kirkland, L. F. Kurrasch, and M. W. Fossier. Yaw damping split rudder. 2,971,726, 2–14–61, Cl. 244—76.

Bratton, David H., to General Motors Corp. Anchor assembly. 3,014,563, 12–26–61, Cl. 189—36.

Bratton, Marion C. Apparatus for treating vegetation. 3,009,290. 11–21–61, Cl. 47—1.5.

Bratton, Roy R. Tool for sharpening ice skates. 2,978,930, 4–11–61, Cl. 76—83.

Bratton, Roy R. Tool for sharpening ice skates. 2,999,402, 9–12–61, Cl. 76—83.

Braubach, Marian N., to Dempster Brothers, Inc. Material handling devices. 3,006,491, 10–31–61, Cl. 214—317.

Brauchla, Herbert C. Apparatus for separating materials of different specific gravities. 2,995,247, 8–8–61, Cl. 209—482.

Brauchler, Chandis H., and F. J. Welchner, to The Canton Drop Forging & Mfg. Co. Method of making hard-faced extrusion dies. 2,979,973, 4–18–61, Cl. 76—107.

Braud, Louis P.: *See*—
Toups, Harry S., Jr., and L. P. and R. H. Braud. 2,969,013.

Braud, Richard H.: *See*—
Toups, Harry S., Jr., and L. P. and R. H. Braud. 2,969,013.

Braude, George: *See*—
Blinoff, Vsevolod, and Braude. 2,975,141.

Braudorn, Karl H., to Continental Gummi-Werke Aktiengesellschaft. Tire treads. 3,004,578, 10–17–61, Cl. 152—209.

Brauer, Edwin H., Jr., to The Osborn Mfg. Co. Work conveying and brushing machine. 2,979,747, 4–18–61, Cl. 15—21.

Brauer, Fitzhugh L.: *See*—
Gildner, Darwin A., and Brauer. 2,970,528.

Brauer, Gerhard M., to Fremaco International, Inc. Buttonhole attachment for sewing machines. 3,001,490. 9–26–61, Cl. 112—77.

Brauer, Irene, to Fremaco International, Inc. Attachment for sewing machines. 2,983,238, 5–9–61, Cl. 112—77.

Brauer, Karl: *See*—
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Brault, Andre R., to OPTOmechanisms, Inc. Film developing and fixing mechanism. 2,981,170, 4–25–61, Cl. 95—89.

Brault, Andre R., to OPTOmechanisms, Inc. Work layout means. 2,995,826, 8–15–61, Cl. 33—189.

Brault, Andre R., and R. Lindberg, to OPTOmechanisms, Inc. Camera drive mechanism. 3,055,377, 10–24–61, Cl. 88—18.

Brault, Andre R., and R. Lindberg, to OPTOmechanisms, Inc. Electric motor wound spring motor and camera mechanism. 3,008,371, 11–14–61, Cl. 88—18.

Braunmann, Gundokar, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Electromagnetic relay. 3,001,047, 9–19–61, Cl. 200—87.

Braun, Adolph F., to General Motors Corp.. Choke actuating mechanism. 2,969,783, 1–31–61, Cl. 123—119.

Braun, Adolph F., to General Motors Corp. Fuel metering pin. 2,969,965, 1–31–61, Cl. 261—39.

Brann, Arnold, and J. Patry, to Albiswerk Zurich A.G. Radar systems for anti-aircraft control aboard ship. 2,998,598, 8–29–61, Cl. 343—7.

Braun, Bernhard: *See*—
Franke, Erich, Groiman, Braun, and Weyrauch. 3,002,-429.

Braun, Dieter: *See*—
Hacker, Kurt, and Braun. 2,982,831.

Braun, Edward C., and J. W. Herlinger, to Avco Corp. Radio tuner with compensated frequency versus gain characteristic. 2,967,235, 1–3–61, Cl. 250—20.

Braun, Emil J. Flushing and draining mechanism for automatic washing machines. 2,987,905, 6–13–61, Cl. 68—208.

Braun, Eric A., to Ex-Cell-O Corp. Dispensing container. 2,969,905, 1–31–61, Cl. 229—17.

Braun, Ernst: *See*—
Rungaldier, Karl, and Braun. 3,002,894.

Braun, Franz, and E. Haack, to C. F. Boehringer & Soehne G.m.b.H. Process of producing DL-threo-L-phenyl-2-nitro propane-1,3-diol. 3,005,854, 10–24–61, Cl. 260—618.

Braun, George M. Action mechanism for a poppet valve. 2,982,274, 5–2–61, Cl. 123—90.

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Braun, Herman J., to Westinghouse Electric Corp. Starting excitation system for dynamoelectric machines. 3,010,040, 11–21–61, Cl. 310—112.

Braun, Hermann, to Schörling & Co. Waggonbau. Automatic sweeping machine for runways, streets, roads and the like. 3,007,191, 11–7–61, Cl. 15—340.

Braun, Oskar, and K. Winz, to G. M. Pfaff, A.G. Button feed control for sewing machines. 2,967,497, 1–10–61, Cl. 112—113.

Braun, Oskar, to J. Willmes. Moisture extracting press. 2,986,082, 5–30–61, Cl. 100—50.

Braun, Paul E. Diaper dipper. 3,010,305, 11–28–61, Cl. 68—214.

Braun, Paul E., H. W. Foddy, A. Stefan, and W. L. Was, to Ford Motor Co. Fuel injection system. 2,984,228, 5–16–61, Cl. 123—119.

Braun, Philip N. Method and apparatus for garment marking. 3,012,484, 12–12–61, Cl. 93—88.

Braun, Philip N. Tape feed for identification machine. 3,012,773, 12–12–61, Cl. 271—8.

Braun, Robert A., and W. A. Mosher. Substituted indeno [1,2-c] pyrazole derivatives. 2,969,371, 1–24–61, Cl. 260—310.

Braun, Robert A., and W. A. Mosher. Cycloalkylpyrazolo [3,4-a] inden-4[1H]-one derivatives. 2,969,372, 1–24–61, Cl. 260—310.

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Braun, William L., to B-Vac Corp. Dust and dirt cleaning system for garment pressing plants. 3,012,347, 12–12–61, Cl. 38—2.

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Braun, Wolfgang G.: *See*—
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Braun, Wolfgang G., and W. E. K. Kerris; said Kerris assor. to United States of America, Air Force. Holding circuit for direct reading frequency meters. 2,975,368, 3–14–61, Cl. 328—140.

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Burst, John F., Jr., and Braunagel. 3,015,027.

Braund, John J. Method of and apparatus for making geographical globes. 3,010,152, 11–28–61, Cl. 18—19.

Brauner, Frank J. Method of molding articles of manufacture. 2,975,488, 3–21–61, Cl. 18—59.

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Braunlich, Richard H., and T. S. Matter, to American Viscose Corp. Regenerated cellulose filament having large and small denier sections. 2,984,889, 5–23–61, Cl. 28—82.

Braunsberg, Heinz. Multiple merchandising vending machine. 2,968,518, 1–17–61, Cl. 312—97.1.

Braunschweig, Georges: *See*—
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Braunstein, Rubin, to Radio Corp. of America. Nuclear quadrupole resonance devices. 2,990,518, 6–27–61, Cl. 331—94.

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Crosby, Gifford W., and Braunwarth. 2,967,197.

Braunwarth, John B., to The Pure Oil Co. Preparation of phenols. 2,976,329, 3–21–61, Cl. 260—621.

Braunwarth, John B., to The Pure Oil Co. Method of preparing organic disulfides and omega-halogenated carbonyl compounds. 2,983,751, 5–9–61, Cl. 260—487.

Braunwarth, John B., and W. T. Winstead, to The Pure Oil Co. Preparation of phenols. 2,994,722, 8–1–61, Cl. 260—621.

Braus, Harry, and J. R. Woltermann, to National Distillers and Chemical Corp. Bis(p-benzoylphenyl) thiophenes. 3,013,019, 12–12–61, Cl. 260—332.3.

Brautigam, John J., and G. E. Hood, to Burndy Corp. Insulated connector. 2,981,787, 4–25–61, Cl. 174—84.

Brautigam, Richard H., to Owens-Corning Fiberglas Corp. Rotary apparatus for longitudinally feeding a multifilament strand. 3,010,632, 11–28–61, Cl. 226—183.

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Bray, Frederick H., and R. G. Knight, to International Standard Electric Corp. Automatic telecommunication exchanges. 3,001,029, 9–19–61, Cl. 79—18.

Bray, Horace A., to Dunlop Rubber Co. Ltd. Friction elements for brakes, clutches and similar mechanisms and methods of making same. 3,014,884, 12–26–61, Cl. 260—38.

Bray, Malcolm D., and V. C. Stephens, to Eli Lilly and Co. Sulfate salt of erythromycin monoester. 3,000,874, 9–19–61, Cl. 260—210.

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Bray, Ralph, to Philco Corp. Signal-seeking receiver. 2,993,989, 7–25–61, Cl. 250—20.

Bray, Ralph, to Purdue Research Foundation. Semiconductor rectifying device having non-rectifying electrodes. 3,011,067, 11–28–61, Cl. 307—88.5.

Bray, Sterling P. Smoke vaporizer. 2,975,586, 3–21–61, Cl. 60—30.

Bray, Ulric B., to Bray Oil Co. Amine sulfonates. 3,005,847, 10–24–61, Cl. 260—501.

Bray, Walter E., and R. E. Stilwell, to Food Machinery and Chemical Corp. Fruit grading machine. 2,980,252, 4–18–61, Cl. 209—121.

Bray, Walter O. Governor marble motor. 2,975,548, 3–21–61, Cl. 46—42.

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Braymer, Noel B., to Beckman Instruments, Inc. Servomechanism. 2,978,625, 4–4–61, Cl. 318—448.

Brazda, Roy W. Portable heater for trucks and the like. 2,986,622, 5–30–61, Cl. 219—39.

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Brazier, H., Ltd.: *See*—
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Brazier, Jack H., to Akron Brass Mfg. Co., Inc. Bypass proportioner. Re. 25,037, 9–12–61, Cl. 137—599.1.

Brazier, Jack H., to Akron Brass Mfg. Co., Inc. Method and apparatus for producing fire extinguishing foam. 2,990,-885, 7–4–61, Cl. 169—1.

Brazil, Clarence A. Trailer hitch safety device. 2,998,982, 9–5–61, Cl. 280—457.

Brazil, Robert J., and T. L. Blasche, Jr., to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,998,704, 9–5–61, Cl. 60—35.6.

Breach, Alan C. E., ⅜ to R. F. Thompson and E. R. Thompson. Adjustable support device. 3,010,121, 11–28–61, Cl. 5—68.

Breadner, Robert L., to The General Electric Co. Ltd. Manufacture of glass-to-metal seals. 2,992,513, 7–18–61, Cl. 49—1.

Bready, John H. Fuel injection device. 2,993,486, 7–25–61, Cl. 123—139.

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Brealey, Robert H., Jr., and L. L. Mankoff, to General Electric Co. Isolated phase bus duct apparatus. 2,972,005, 2–14–61, Cl. 174—99.

Breathitt, Harvie W., Jr.: *See*—
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Breaux, Darlton K., R. D. Pascale, and J. E. Young, to The Garrett Corp. Ram air turbine. 2,967,572, 1–10–61, Cl. 170—68.

Breaux, Darlton K., and R. M. Belanus, to The Garrett Corp. Control mechanism for ram air turbine. 2,970,652, 2–7–61, Cl. 170—68.

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McIlwraith, Charles G., Breazeale, and Dacus. 2,981,111.

Brech, Hubertus J. M. C.: *See*—
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Brechner, Hyman. Apparatus for payroll system. 2,976,062. 3–21–61, Cl. 282—29.

Brecht, George, to Personal Products Corp. Absorbent product. 3,011,495, 12–5–61, Cl. 128—285.

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Breck, Donald W., to Union Carbide Corp. Metal-loaded molecular sieves. 3,013,984, 12–19–61, Cl. 252—455.

Breck, Donald W., and N. A. Acara, to Union Carbide Corp. Crystalline zeolite Q. 2,991,151, 7–4–61, Cl. 23—113.

Breck, Donald W., and N. A. Acara, to Union Carbide Corp. Crystalline zeolite M. 2,995,423, 8–8–61, Cl. 23—113.

Breck, Donald W., and N. A. Acara, to Union Carbide Corp. Crystalline zeolite J. 3,011,869, 12–5–61, Cl. 23—113.

Breck, Donald W., and R. M. Milton, to Union Carbide Corp. Metal loading of molecular sieves. 3,013,982, 12–19–61, Cl. 252—455.

Breck, Donald W., and R. M. Milton, to Union Carbide Corp. Cadmium-loaded molecular sieve. 3,013,983, 12–19–61, Cl. 252—455.

Breck, Donald W., and R. M. Milton, to Union Carbide Corp. Group IB metal catalysts. 3,013,985, 12–19–61, Cl. 252—455

Breck, Donald W., C. R. Castor, and R. M. Milton, to Union Carbide Corp. Iron group metal catalyst. 3,013,990, 12–19–61, Cl. 252—455.

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Bredberg, Burrell R., and W. L. Golden, to Boeing Airplane Co. Installing tools for toggle-action retainer elements. 2,976,609, 3–28–61, Cl. 29—270.

Brede, Dwight W., to Ampex Corp. Tape reel hold down device. 3,000,582, 9–19–61, Cl. 242—55.11.

Brede, Dwight W., to Ampex Corp. Tape recording and reproducing apparatus and drive system therefor. 3,005,582, 10–24–61, Cl. 226—35.

Brede, Erwin F. Electric switches. 2,974,211, 3–7–61, Cl. 200—152.

Bredehoeft, Victor N. Electrode protectors. 3,013,237, 12–12–61, Cl. 338—80.

Breden, Calvin R., and A. B. Schultz, to United States of America, Atomic Energy Commission. Twisted ribbon fuel element. 2,987,458, 6–6–61, Cl. 204—193.2.

Breden, Calvin R., and J. R. Dietrich, to United States of America, Atomic Energy Commission. Nuclear reactor. 2,989,454, 6–20–61, Cl. 204—154.2.

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Willemsen, Johannes. 2,977,657.

Bredzs, Nikolajs, to Lithium Corp. of America, Inc. Fluxless brazing of steel. 3,011,256, 12–5–61, Cl. 29—504.

Breed, Arie E., to Deere & Co. Side delivery rake. 2,991,613, 7–11–61, Cl. 56—377.

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Breedon, David B., J. T. Carleton, and R. W. Ferguson, to Westinghouse Electric Corp. Antihunting generator systems. 2,979,652, 4–11–61, Cl. 322—19.

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Breen, Alvin L., to E. I. du Pont de Nemours and Co. Metal core composite filaments. 3,003,223, 10–10–61, Cl. 28—82.

Breen, Alvin L., to E. I. du Pont de Nemours and Co. Process for making elastic bulky composite yarn. 3,013,379, 12–19–61, Cl. 57—157.

Breen, Alvin L., to E. I. du Pont de Nemours and Co. Spinneret. 3,014,237, 12–26–61, Cl. 18—8.

Breen, Alvin L., and M. V. Sussman, to E. I. du Pont de Nemours and Co. Slub yarn product. 2,997,837, 8–29–61, Cl. 57—139.

Breen, Alvin L., and G. Pamm, to E. I. du Pont de Nemours and Co. Novel filaments and fabrics. 2,999,296, 9–12–61, Cl. 28—78.

Breen, Alvin L., and M. V. Sussman, to E. I. du Pont de Nemours and Co. Fluid jet twist crimping process. 3,009,309, 11–21–61, Cl. 57—139.

Breen, Leonard G., D. W. Hansen, and E. J. Peham. Advertising displays. 2,985,978, 5–30–61, Cl. 40—383.

Breen, Maurice J. Unitary washroom. 3,005,205, 10–24–61, Cl. 4—1.

Breen, Stanley, to Forte-Fairbairn, Inc. Apparatus and method for measuring capacitivity of a material. 3,012,193, 12–5–61, Cl. 324—61.

Breer, Karl: *See*—
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Breese, James L., deceased (by R. F. Van Tubergen and J. L. Breese III, executors), and M. D. Huston to Controls Co. of America. Electrical ignition assembly for liquid fuel burners. 2,966,941, 1–3–61, Cl. 158—91.

Breese, James L., to Controls Co. of America. Electric ignition assembly for liquid fuel burners. 2,966,943, 1–3–61, Cl. 158—91.

Breese, James L., to Controls Co. of America. Re-circulating pot-type burner. 2,983,313, 5–9–61, Cl. 158—91.

Breese, James L., to Controls Co. of America. Control for oil and gas burners and the like. 2,997,101, 8–22–61, Cl. 158—28.

Breese, James L., and M. D. Huston, to Controls Co. of America. Electrical ignition assembly for liquid fuel burners. 2,966,942, 1–3–61, Cl. 158—91.

Breese, James L., III: *See*—
Breese, James L., and Huston. 2,966,941.

Breese, Lemuel R., to North Electric Co. Remote control system. 2,978,538, 4–4–61, Cl. 178—6.8.

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Bailey, Roy W., and Breest. 3,011,625.

Breeze Corps., Inc.: *See*—
Joseph, Francis M., and Herrmann. 2,973,412.

Bregi, Benjamin F., to National Broach & Machine Co. Gear finishing machine employing master gears. 2,994,989, 8–8–61, Cl. 51—88.

Brehm, Lyle W., to International Business Machines Corp. Data translation and printing. 2,969,730, 1–31–61, Cl. 101—93.

Brehm, Richard J., and R. H. Malcolm, to International Harvester Co. Water pump assembly. 2,989,925, 6–27–61, Cl. 103—103.

Breidert, G. C., Co., The: *See*—
Breidert, George M. 2,980,007.
Breidert, George M. 3,011,423.

Breidert, George M., to The G. C. Breidert Co. Roof ventilator. 2,980,007, 4–18–61, Cl. 98—43.

Breidert, George M., to The G. C. Breidert Co. Ventilator construction. 3,011,423, 12–5–61, Cl. 98—43.

Breier, Irwin L.: *See*—
Magovern, Robert L., Ries, and Breier. 3,006,731.

Breig, Franz, I., and G. Arrangement for preventing motor vehicles from skidding. 2,980,197, 4–18–61, Cl. 180—82.

Breig, Gunther: *See*—
Breig, Franz, I., and G. 2,980,197.

Breig, Ingo: *See*—
Breig, Franz, I., and G. 2,980,197.

Breig, Kurt: *See*—
Bienert, Berthold, Breig, and Groll. 3,013,006.

Breil, Werner: *See*—
Trippe, Walter, and Breil. 2,977,964.

Breimer, Hendrik, to North American Philips Co., Inc. Circuit arrangement for correcting the white level in a color television receiver. 2,975,232, 3–14–61, Cl. 178—5.4.

Breimer, Hendrik, to North American Philips Co., Inc. Receiver for color television signals with slope-related synchronous detectors. 2,979,560, 4–11–61, Cl. 178—5.4.

Breiner, Richard C., and R. G. Quinn, to Johns-Manville Corp. Humidifier plates. 3,007,841, 11–7–61, Cl. 162—145.

Breining, Elmer R., and W. M. Bolton, to Union Carbide Corp. Method of recovering metal carbonyls from gases. 2,985,509, 5–23–61, Cl. 23—203.

Breining, Elmer R., W. M. Bolton, and F. O. Deutscher, to Union Carbide Corp. Deposition of aluminum. 2,990,295, 6–27–61, Cl. 117—106.

Breitenbach, Karl-Heinz, to SKF Kugellagerfabriken G.m.b.H. Test apparatus for textile drafting and spinning machines. 2,982,083, 5–2–61, Cl. 57—97.

Breitenfeldt, Clarence N. Rifle target. 2,967,712, 1–10–61, Cl. 273—102.1.

Breitenstein, Charles T., to R. T. Moloney, deceased (American National Bank and Trust Co. of Chicago, executor of said R. T. Moloney). Metering valve. 2,971,361, 2–14–61, Cl. 67—7.1.

Breitenstein, Pierre, to Compagnie de Pont-a-Mousson. Method and apparatus for forming a socket at the end of a pipe and the pipe resulting therefrom. 2,977,633, 4–4–61, Cl. 18—19.

Breitenstein, Victor W.: *See*—
Bard, Francis N., and Breitenstein. 3,012,549.

Breitenstein, Victor W., to F. N. Bard. Ball joint, 3,007,720, 11–7–61, Cl. 285—268.

Breithaupt, Donald E. Slider for slide fasteners. 2,999,287, 9–12–61, Cl. 24—205.14.

Breither, Karl, to Fahrzeugbau Haller G.m.b.H. Vehicle for cleaning streets. 3,011,206, 12–5–61, Cl. 15—320.

Breitling, Wilhelm, to Olympia Werke AG. Actuator magnet assembly. 2,999,193, 9–5–61, Cl. 317—191.

Breitmeier, Marcellus W.: *See*—
Parmele, Harris B., Block, Jensen, and Breitmeier. 3,012,302.

Breitner, Stefan: *See*—
Meiser, Werner, Breitner, Wirth, and Kreiskott. 2,971,979.

Breitsprecher, Charles O.: *See*—
Kark, James H., Breitsprecher, and Bornarth. 2,994,226.

Brekke, John E.: *See*—
Nury, Fredoon S., and Brekke. 2,966,988.

Brekke, Ordean L.: *See*—
Weinecke, Laurence A., and Brekke. 2,996,385.

Brelsford, Harry W.: *See*—
Stroud, Malcolm B., and Greene. 2,999,555.

Bremer, John W., to General Electric Co. Superconductive computer and components therefor. 3,004,705, 10–17–61, Cl. 235—164.

Bremerman, Eugene S. Portable electrolytic water treatment device. 2,975,769, 3–21–61, Cl. 122—4.

Brems, John H., to Motomation, Inc. Endless chain system. 3,002,604, 10–3–61, Cl. 198—137.

Brems, Niels E., to Radiometer, Aagaard Nielsen & Schroder. Recording titration device for recording titration curves. 2,994,590, 8–1–61, Cl. 23—253.

Bremshey & Co.: *See*—
Bremshey, Fritz. 3,003,508.
Fischinger, Herbert. 3,003,510.
Hibbard, Herbert R. 3,003,509.
Muller, Karl. 3,003,511.
Trippe, Walter, and Breil. 2,977,964.

Bremshey, Fritz: *See*—
Muller, Karl. 3,003,511.
Trippe, Walter, and Breil. 2,977,964.

Bremshey, Fritz, to Bremshey & Co. Self-closing umbrellas. 3,003,508, 10–10–61, Cl. 135—23.

Brenasin, Charles. Suspension bar having slidable markers. 2,982,288, 5–2–61, Cl. 119—16.7.

Brendel, Francis L. Fruit picker. 2,990,668, 7–4–61, Cl. 56—333.

Brender, Jack P. Camp stove. 2,994,316, 8–1–61, Cl. 126—9.

Brendholdt, Irving R., to United States of America, Navy. Optical device including gating circuits, adjustable time and duration. 2,996,946, 8–22–61, Cl. 88—1.

Brendlein, Heinrich, H. Huemer, T. Lussling, and H. Schulz, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of α-halogen carboxylic acid nitriles. 2,981,749, 4–25–61, Cl. 260—465.3.

Breneman-Hartshorn, Inc.: *See*—
Anderson, James A. 3,001,577.
Anderson, James A. 3,013,760.

Breneman, James C., to Innoventions, Inc. Buoy driven pump. 3,007,430, 11–7–61, Cl. 114—183.

Breneman, Joseph C., to Rubbermaid Inc. Flexible load bearing structure. 3,008,702, 11–14–61, Cl. 267—1.

Brengman, Fred C., to Malta Mfg. Co. Removable window with sash counterbalance locking device. 3,012,292, 12–12–61, Cl. 20—52.

Brennait, Chester L., to Western Electric Co., Inc. Rotary wave guide joints. 2,969,513, 1–24–61, Cl. 333—98.

Brennan, Daniel H.: *See*—
Bayless, Frank K., and Brennan. 2,987,639.

Brennan, Elmer W.: *See*—
Fronczak, Ernest T., Chapman, and Brennan. 2,976,160.

Brennan, Elmer W., and R. G. Moyer, to The Pure Oil Co. Dynamic demulsibility method and apparatus. 2,971,371, 2–14–61, Cl. 73—53.

Brennan, George J. Knock-down stereoscopic viewer including beam support member. 2,984,153, 5–16–61, Cl. 88—29.

Brennan, Harry M.: *See*—
McHenry, Keith W., Seelig, Brennan, and Carl. 2,998,380.

Brennan, Harry M., and E. Field, to Standard Oil Co. Platinum-alumina catalysts. 2,971,928, 2–14–61, Cl. 252—466.

Brennan, Helen E.: *See*—
Brennan, Joseph B. 2,972,185.
Brennan, Joseph B. 2,974,041.
Brennan, Joseph B. 2,985,701.
Brennan, Joseph B. 2,985,803.
Brennan, Joseph B. 2,993,848.

Brennan, John R., and P. S. Bloudoff, to Armco Steel Corp. Reversing valves for fluid operated pumps. 2,984,224, 5–16–61, Cl. 121—150.

Brennan, Joseph B., to E. D. McCurdy. Electrode for electrolytic condensers. Re. 25,084, 11–21–61; Cl. 317—230.

Brennan, Joseph B., deceased; H. E. Brennan, executrix. Method of producing strip material. 2,972,185, 2–21–61, Cl. 29—420.5.

Brennan, Joseph B., deceased, by H. E. Brennan, executrix. Method of producing electrically conductive porous strip material. 2,974,041, 3–7–61, Cl. 75—208.

Brennan, Joseph B., deceased; H. E. Brennan, executrix. Storage battery electrodes. 2,985,701, 5–23–61, Cl. 136—40.

Brennan, Joseph B., deceased; H. E. Brennan, executrix. Reinforced electrode and method of making same. 2,985,803, 5–23–61, Cl. 317—230.

Brennan, Joseph B., deceased; H. E. Brennan, executrix. Method of forming a dielectric oxide film on a porous metal strip. 2,993,848, 7–25–61, Cl. 204—24.

Brennan, Robert H.: *See*—
Pinney, Harold E., and Brennan. 2,994,786.

Brennan, Theodore J.: *See*—
Sklaroff, Morton, and Brennan. 2,993,466.

Brennan, William R., to Socony Mobil Oil Company, Inc. Method for control of operation of pneumatic lift and apparatus therefor. 2,972,503, 2–21–61, Cl. 302—53.

Brennemann, Andrew E., G. J. Kahan, and R. T. C. Tsui, to International Business Machines Corp. Superconductive circuits. 2,989,716, 6–20–61, Cl. 338—32.

Brennemann, Andrew E., and H. L. Funk, to International Business Machines Corp. Superconductor gating circuits. 3,007,057, 10–31–61, Cl. 307—88.5.

Brennen, Ronald F., and J. A. Bucci. Welding electrode feeder. 2,998,507, 8–29–61, Cl. 219—130.

Brenner, Abe. Severing device for flimsy material. 2,999,410, 9–12–61, Cl. 83—485.

Brenner, Abner, and J. M. Sherfey, to United States of America, Army. Process for electrowinning titanium from lower valent titanium alkali chlorides. 3,002,905, 10–3–61, Cl. 204—64.

Brenner, Bernard M., and W. Barnhart, to Ampex Corp. Wide band data recording and reproducing system and method. 3,012,106, 12–5–61, Cl. 179—100.2.

Brenner, Bernice A. Combination swim and sun suit. 2,987,737, 6–13–61, Cl. 9—335.

Brenner, Bert, to Sigmund Cohn Corp. Low resistivity potentiometer wire. 2,974,298, 3–7–61, Cl. 338—160.

Brenner, Fivel C.: *See*—
Screnock, Joseph J., and Brenner. 3,012,844.

Brenner, Fivel C., and G. J. Lilola, to Johnson & Johnson. Fibrous products. 2,968,858, 1–24–61, Cl. 28—78.

Brenner, Milton A., and W. M. Fiedler, ⅛ to R. Mednick. Selective control valve. 2,989,666, 6–20–61, Cl. 317—123.

Brenner, Morris, to Penn-Union Electric Corp. Connector. 3,009,987, 11–21–61, Cl. 174—94.

Brenner, Murry J. Sandals and slippers. 2,978,817, 4–11–61, Cl. 36—2.5.

Brent, Bernard J., to The Denver Chemical Mfg. Co. Composition and process for controlling the growth rate of live-stock and poultry. 2,977,230, 3–28–61, Cl. 99—2.

Brentford Transformers Ltd.: *See*—
Martin, Leonard J., and Ballantyne. 3,014,173.

Brereton, Fred R. Terminal block. 2,991,444, 7–4–61, Cl. 339—198.

Bresee, James C.: *See*—
Adams, Joseph B., Bresee, Ferris, and Scott. 3,009,768.

Breshears, Edgar E.: *See*—
Tomita, Hisao, Breshears, R., and Breshears. 3,001,778.

Breshears, Robert J.: *See*—
Tomita, Hisao, and R. J. and E. E. Breshears. 3,001,778.

Bresk, Raymond H., and C. P. Majkrzak, to International Telephone & Telegraph Corp. Adjustable tuning device and antenna using same. 2,982,964, 5–2–61, Cl. 343—895.

Breslav, Jack: *See*—
Elberty, Robert S. 2,999,716.

Breslav, Jack. Rotatable load supporting or lifting device. 3,009,728, 11–21–61, Cl. 294—82.

Breslouf, Morris, and F. W. Stenuis, to The Borden Co. Polyvinyl acetate and glue compositions. 3,011,985, 12–5–61, Cl. 260—8.

Breslow, David S., and W. P. Long, to Hercules Powder Co. Polymerization of ethylene with dicyclopentadienyl chromium-metal alkyl catalysts. 3,013,002, 12–12–61, Cl. 260—88.2.

Breslow, Leon. Adhesive attached label. 2,976,628, 3–28–61, Cl. 40—2.

Breslow, Leon. Hanger. 3,012,748, 12–12–61, Cl. 248—205.

Bressillon, Martin L.: *See*—
Guigues, Frederic, and Bressillon. 2,969,188.

Bressler, Franklin D., to Reynolds Metals Co. Interlocking ingots and article. 3,007,586, 11–7–61, Cl. 214—10.5.

Bressler, Glenn O., and A. G. Perry. Molded poultry nest cushion and process of making the same. 3,011,477, 12–5–61, Cl. 119—48.

Bressler, Wilbur L.: *See*—
Prescott, Wesley E., and Bressler. 2,989,502.

Bressler, Wilbur L., and C. F. Ward, to The Dow Chemical Co. Cross-linking agent and method for making same. 2,990,376, 6–27–61, Cl. 252—182.

Breting, Ulysses A.: *See*—
Christenson, Howard W., Fisher, and Breting. 2,969,695.

Breting, Ulysses A., and R. M. Tuck, to General Motors Corp. Control system. 3,013,574, 12–19–61, Cl. 137—115.

Breton, Ernest J. Process for cutting metal employing amorphous silica. 2,968,999, 1–24–61, Cl. 90—11.

Breton, Jean O.: *See*—
Soudan, Paul, and Breton. 2,992,893.

Bretscher, Otto, to Ludw. von Roll'Schen Eisenwerke A.G. Slideway grinding machine. 2,969,620, 1–31–61, Cl. 51—72.

Brett, Peter, D. J. M. Emerson, and D. Keerie, to De Havilland Aircraft Co. Ltd. Variable pitch propeller control system. 2,992,687, 7–18–61, Cl. 170—160.21.

Brett, Riley J., to Sampson Motors, Inc. Precision rolling support. 2,980,435, 4–18–61, Cl. 280—6.

Brettell, George A., Jr.: *See*—
Nye, Robert G., Brettell, and Apple. 2,969,599.

Bretthauer, Hermann, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Photographic shutter and diaphragm adjusting mechanism. 2,967,468, 1–10–61, Cl. 95—10.

Bretthauer, Hermann, J. Mädge, and W. Kröger, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Plural range masking means for photographic measuring instruments. 2,987,977, 6–13–61, Cl. 95—10.

Brettle, Alfred G.: *See*—
Whittaker, George A., Winfield, Beard, and Brettle. 3,012,778.

Brettnacher, Joseph H.: *See*—
Wilson, Robert W., and Brettnacher. 2,972,959.

Bretz, Frank E., Jr., to Precision Valve Corp. Valve mechanism for dispensing apparatus. Re. 24,981, 5–9–61, Cl. 239—123.

Bretz, Frank E., Jr., to Southern Electric, Inc. Hand brake mechanism. Re. 25,001, 6–20–61, Cl. 192—16.

Bretzner, Hans S., to General Motors Corp. Automotive vehicle side door and roof construction. 2,992,039, 7–11–61, Cl. 296—44.

Breuer, Karl. End mounting means for curtain rods. 3,011,748, 12–5–61, Cl. 248—265.

Breuning, Ernst, to Lufttechischen Gesellschaft m.b.H. Measurement of electric charges put on a condenser. 3,009,108, 11–14–61, Cl. 324—111.

Breuning, Karl. Cashier and teller's protective window. 2,980,040, 4–18–61, Cl. 109—19.

Breveglieri, Franklin L., and W. C. Rose, to Worthington Corp. Suspension system for track type vehicles. 2,996,305, 8–15–61, Cl. 280—6.

Brevets Aero-Mecaniques S.A.: *See*—
Birkigt, Louis. 2,993,331.
Donatsch, Nicolaus. 3,012,349.
Leutert, Walter. 2,994,182.
Meier, Claude. 2,968,222.

Brevik, Elmer L., to Purex Corp., Ltd. Equipment and process for deburring and burnishing metal parts. 2,994,165, 8–1–61, Cl. 51—164.

Brewer, Claire N.: *See*—
Randolph, Woodruff, Brewer, and Goss. 2,968,115.

Brewer, Claire N., and C. O. Goss, to International Typographical Union of North America. Micrometer device for operating the movable straightedge of a line-up table and the like. 3,013,339. 12–19–61, Cl. 33—184.5.

Brewer, Clifford E. Chimney cowls and ventilating devices. 2,988,982, 6–20–61, Cl. 98—82.

Brewer, Coy E.: *See*—
Russell, William B. 2,992,029.

Brewer, George D.: *See*—
Africano, Alfred, Brewer, and Harrington. 2,976,805.

Brewer, George R.: *See*—
Birdsall, Charles K., and Brewer. 2,985,793.

Brewer, George W.: *See*—
Mickus, Robert R., and Brewer. 2,972,197.
Mickus, Robert R., and Brewer. 2,990,255.

Brewer, Jess A.: *See*—
Baker, Earl E. 2,984,527.

Brewer, Margaret W.: *See*—
Brewer, Nicholas L. 3,005,279.

Brewer, Nathaniel, and M. M. Wilson, to Wilson Products, Inc. Apparatus for blending materials. 3,005,575, 10–24–61. Cl. 222—56.

Brewer, Nicholas L., deceased, by M. W. Brewer, executrix, to Savage Arms Corp. Bolt action rifle with gas deflecting means. 3,005,279, 10–24–61, Cl. 42—18.

Brewer, Robert F., and J. A. Hosford, to Western Electric Co., Inc. Apparatus for fabricating dry reed switches. 2,984,046, 5–16–61, Cl. 49—1.

Brewer, Thomas L., M. L. Morris, and F. J. Soriero, Jr., to Reeves Brothers, Inc. Sound shield. 3,007,539, 11–7–61, Cl. 181—33.

Brewer Titchener Corp, The: *See*—
Eves, John D., and Terpening. 3,013,840.

Brewer, Walpole C. Putting practice device. 2,988,362, 6–13–61, Cl. 273—177.

Brewer, Ward B.: *See*—
Bodner, Martin, and Brewer. 2,998,585.

Brewer, Ward B., M. Bodner, and R. H. Smith, to Lockheed Aircraft Corp. Electrical gage for measuring mechanical deflections. 2,966,797, 1–3–61, Cl. 73—88.5.

Brewin, Grant H.: *See*—
Brewin, Harry E. and G. H. 2,990,087.

Brewin, Harry E. and G. H., to Dyotherm Corp. Treating textiles on a form. 2,990,087, 6–27–61, Cl. 223—76.

Brewin, John D., to Pilkington Brothers Ltd. Production of polished bevels on glass plates. 3,007,288, 11–7–61, Cl. 51—110.

Brewington, Philip J. Toilet flush valve assembly. 2,971,202, 2–14–61, Cl. 4—57.

Brewington, Philip J. Replacement flush valves. 2,976,542, 3–28–61, Cl. 4—57.

Brewington, Philip J. Drain pipe joint. 2,981,072, 4–25–61, Cl. 61—11.

Brewington, Philip J. Lock with perforated plate moving with bolt. 3,001,392, 9–26–61, Cl. 70—38.

Brey, Wilhelm: *See*—
Bosomworth, George P., and Brey. 2,996,110.

Brey, Wilhelm, to The Firestone Tire & Rubber Co. Preparation of coated fabric material. 2,979,106, 4–11–61, Cl. 154—1.8.

Bresa, Cyril J., and C. O. Davis, to E. I. du Pont de Nemours and Co. Deformable self-supporting explosive composition. 2,999,743, 9–12–61, Cl. 52—5.

Brezinski, Julius J.: *See*—
Montagna, Amelio E., Brezinski, and Kubler. 2,995,599.
Montagna, Amelio E., Kubler, and Brezinski. 2,998,446.

Brian, August A.: *See*—
Richterkessing, Frank H., and Brian. 3,009,475.

Brian, Robert C., G. W. Driver, R. F. Homer, and R. L. Jones, to Imperial Chemical Industries Ltd. Dipyridyl derivatives and herbicidal methods and compositions containing the same. 2,972,528, 2–21–61, Cl. 71—2.5.

Bricaud, Joseph M., to Societe de Prospection Electrique, Procedes Schlumberger. Arrangements for the simultaneous remote measurement of various magnitudes. 2,998,570, 8–29–61, Cl. 324—114.

Brice, Clifford V. Key-controlled selective register and control mechanism for liquid dispensing pumps. 2,995,275, 8–8–61, Cl. 222—26.

Brice, George H.: *See*—
Tawney, Pliny O., Brice, and Viohl. 2,977,348.

Brichard, Edgard, to Union des Verreries Mecaniques Belges Societe Anonyme. Glass drawing apparatus. 2,991,590, 7–11–61, Cl. 49—17.

Brichard, Edgard. Recovery of heat from the fumes of industrial furnaces. 3,009,690, 11–21–61, Cl. 263—19.

Brichard, Edgard, E. Plumat, and L. Leger, to Union des Verreries Mecaniques Belges, Societe Anonyme. Process for the protection of glass against iridescence and package for carrying this process into effect. 2,973,089, 2–28–61, Cl. 206—62.

Brichard, Edgard, E. Plumat, G. Meunier, and E. Deliere, to Union des Verreries Mecaniques Belges, Societe Anonyme. Process for the production of electrically conductive coatings and products obtained by this process. 2,987,422, 6–6–61, Cl. 117—211.

Brick, Robert M., to Continental Can Co., Inc. Production of composite metal stock having internal channels. 2,986,810, 6–6–61, Cl. 29—423.

Brickell, Harry S., to The Metal Decal Co. Decalcomania and process of making same. 3,006,795, 10–31–61, Cl. 156—3.

Bricker, Burton C., and L. C. Hoffman, to E. I. du Pont de Nemours and Co. Vitreous enamel. 2,975,070, 3–14–61, Cl. 106—49.

Bricker, Owen P.: *See*—
Vitol, Matt J., and Bricker. 3,006,322.

Brickman, A. W.: *See*—
Pircon, Ladislav J. 2,979,411.

Brickman, Elmer A., and M. Wallberg, to Western Electric Co., Inc. Device for forming tabs on articles. 2,990,871, 7–4–61, Cl. 153—2.

Bricknell, Frank S., and H. A. Cork, to Jenolite Ltd. Treatment of metal surfaces. 2,992,131, 7–11–61, Cl. 117—70.

Bricout, Henri, to Etablissements Georges Martin. Metering distributors of two-line central lubrication systems. 2,973,058, 2–28–61, Cl. 184—7.

Bridge, Edmund T.: *See*—
Hauser, Ralph L., and Bridge. 2,979,957.

Bridge, Edward W., Jr.: *See*—
Binter, Frederick C., and Bridge. 2,997,282.

Bridgeford, Douglas J., to Tee-Pak, Inc. Cellulosic laminates. 3,005,728, 10–24–61, Cl. 117—118.

Bridgeport Brass Co.: *See*—
Bulow, Carl L. Re. 25,043.
Giovannucci, Julius L. 3,001,277.
Velia, Louis J., and Hardcastle. 3,011,236.

Bridgeport Fabrics, Inc.: *See*—
Eisen, Stefan. 2,986,171.
Eisen, Stefan. 3,000,403.
Eisen, Stefan. 3,000,404.

Bridgeport Machines, Inc., The: *See*—
Johnson, Roy A. 2,989,874.
Wahlstrom, Magnus. 2,995,069.

Bridger, Grover L., to Iowa State College Research Foundation. Method of producing dicalcium phosphate containing fertilizers. 3,011,888, 12–5–61, Cl. 71—37.

Bridges, Jack E., to Warwick Mfg. Corp. Display device with contrast improving optical filter. 3,013,114, 12–12–61, Cl. 178—5.4.

Bridges, John B., to Cameron Iron Works, Inc. Decarburizing process for alloy steels containing chromium. 3,003,865, 10–10–61, Cl. 75—60.

Bridges, Ronald P., to A. B. Chance Co. Electric switch. 2,970,192. 1–31–61, Cl. 200—48.

Bridges, Ronald P., to A. B. Chance Co. Electrical mid-span spacer connector. 2,979,555, 4–11–61, Cl. 174—145.

Bridges, Thomas F.: *See*—
Culp, Gordon W., McMullen, and Bridges. 3,002,634.
Isbrandtsen, Waldemar M., Bridges, and Soros. 3,009,586.

Bridges, Thomas J., and R. Kompfner, to Bell Telephone Laboratories, Inc. Low noise amplifier. 2,972,081, 2–14–61, Cl. 315—5.43.

Bridgewater, Thomas E., to Adams Engineering Co. Impeller shoe. 3,000,579, 9–19–61, Cl. 241—275.

Bridwell, Norman C., to Jones Graphic Products of Ohio, Inc. Etching method. 3,006,796, 10–31–61, Cl. 156—13.

Briechle, Joseph, to Scovill Mfg. Co. Aerosol valve assembly. 2,991,044. 7–4–61. Cl. 251—353.

Bried, Julien A., to Honolulu Oil Corp. Method of and apparatus for picking fowl. 3,002,219, 10–3–61, Cl. 17—11.1.

Brief, Daniel A. Pneumatic suspension unit. 2,973,955, 3–7–61, Cl. 267—65.

Brien, Wayne V., to General Motors Corp. Combustion chambers for internal combustion engines. 2,991,780, 7–11–61, Cl. 123—191.

Brierley, Cuthbert. Animal ear tag attaching instruments. 3,013,269, 12–19–61, Cl. 1—47.

Brierley, Edgar, to Leesona Holt Ltd. Textile winding machine. 2,972,450, 2–21–61, Cl. 242—18.

Briggs, Albert: *See*—
Lamb, John. 2,976,881.

Briggs Associates, Inc.: *See*—
Druker, Harvey A., and Brown. 2,967,250.

Briggs, Ben T., to Rayonier Inc. Method for preparation of wood cellulose. 3,013,933, 12–19–61, Cl. 162—68.

Briggs, George R., and A. W. Lo, to Radio Corp. of America. Magnetic systems. 2,968,795, 1–17–61, Cl. 340—174.

Briggs, John R.: *See*—
Clayton, Robert E., Briggs, and Baldwin. 3,004,007.

Briggs, Joseph A., Jr., and R. L. Gardner, to The Chemstrand Corp. Melt-spinning apparatus. 2,979,766, 4–18–61, Cl. 18—8.

Briggs, Norman E.: *See*—
Wirth, Hans A., Briggs, Kittle, and Judson. 2,992,783.

Briggs, Peter G., to International Computers and Tabulators Ltd. Magnetic transducing heads. 3,007,011, 10–31–61, Cl. 179—100.2.

Briggs & Stratton Corp.: *See*—
Coughlin, Charles L., Gumtow, Svendsen, and Brown. 2,999,489.
Harkness, Joseph R. 2,999,491.
Jacobi, Edward N. 3,003,348.
Lechtenberg, Leo J. 2,999,562.

Briggs, Walter H., to Burman & Sons Ltd. Road vehicle steering mechanisms. 2,995,952, 8–15–61, Cl. 74—507.

Briggs, William A., to Rheem Mfg. Co. Lined tank and method of making. 2,993,617, 7–25–61, Cl. 220—63.

Briggs, William B., to Chance Vought Aircraft, Inc. Duct airflow stabilizing and aircraft braking means. 2,967,678, 1–10–61, Cl. 244—53.

Briggs, William C.: *See*—
Roche, James B., and Briggs. 2,984,173.

Briggs, William C., and F. W. Hoover, Jr., to Sumner Iron Works, Inc. Method of producing a forage product. 2,995,445, 8–8–61, Cl. 99—8.

Briggs, William O. Easy hold shovel handle. 3,014,750, 12–26–61, Cl. 294—58.

Brigham, Georges: *See*—
Ablow, Clarence M., and Brigham. 2,980,330.

Brigham, Ward E., to Sun Chemical Corp. Feeding means for a metal press. 2,986,393, 5–30–61, Cl. 271—46.

Bright, Albert G., to Eastman Kodak Co. Azeotropic distillation with by-passing of reflux or vapor. 3,003,929, 10–10–61, Cl. 202—40.

Bright, Clyde E., 45% to E. F. Golding. Ducted fan aircraft. 2,968,453, 1–17–61, Cl. 244—12.

Bright, Edwin W. Corner protector for furniture and the like. 2,995,863, 8–15–61, Cl. 45—36.

Bright, Elvin M., to Air Logistics Corp. Composition comprising a phenolic novolak, a phenolic resol, and diallyl phthalate. 2,985,614, 5–23–61, Cl. 260—43.

Bright, Roy A.: *See*—
Sterne, Willard F., and Bright. 3,000,011.

Bright, Roy A., to Du Bois Plastic Products, Inc. Method of making composite molded plastic wheels. 2,978,751, 4–11–61, Cl. 18—59.

Bright, Samuel F. Grass recovering attachment for rotary mower. 3,008,284, 11–14–61, Cl. 56—25.4.

Bright, Thomas J. R. Draught excluding strips, beadings, mouldings or the like. 2,968,072, 1–17–61, Cl. 20—69.

Bright, Thomas J. R. Clips or tags and draught-excluding strips, beadings, mouldings or the like for use therewith. 2,974,383, 3–14–61, Cl. 24—259.

Bright, Thomas J. R. Draught excluding strips, beadings, mouldings and the like. 2,986,793, 6–6–61, Cl. 24—259.

Brightbill, Edgar N., and K. P. Lindland, to E. I. du Pont de Nemours and Co. Recovery process for polyethylene. 2,978,442, 4–4–61, Cl. 260—94.9.

Bright Leaf Industries, Inc.: *See*—
Horne, William P. 2,985,137.

Brightman, Barrie, to General Dynamics Corp. Time division multiplex communication system. 2,979,570, 4–11–61, Cl. 179—15.

Brightman, Barrie, to General Dynamics Corp. Time division multiplex telephone system. 2,988,601, 6–13–61, Cl. 179—15.

Brightman, Barrie, and T. Frankel, to General Dynamics Corp. Electronic switching telephone system. 2,968,698, 1–17–61, Cl. 179—18.

Brightman, Barrie, T. Frankel, and R. K. Kaye, to General Dynamics Corp. Electronic switching telephone system. 2,968,699, 1–17–61, Cl. 179—18.

Bright Star Industries: *See*—
Mainzer, Robert. 3,014,123.

Bril, Alfred: *See*—
Klasens, Hendrik A., van Gool, and Bril. 3,010,909.

Briles Products, Inc.: *See*—
Bullock, John W., and Rowan. 2,986,620.

Brilhart, Arnold R., to Brilhart Musical Instrument Corp. Musical wind instrument. 2,990,744, 7–4–61, Cl. 84—392.

Brilhart Musical Instrument Corp.: *See*—
Brilhart, Arnold R. 2,990,744.

Brill, Adelaide E.: *See*—
Brill, John K. 3,001,567.

Brill, Allen: *See*—
Silverman, Jerome M., and Brill. 3,004,265.

Brill, Everett C. Watt-sensing device. 2,992,365, 7–11–61, Cl. 317—51.

Brill, Fritz: *See*—
Raab, Karl, and Brill. 2,997,753.

Brill, Harold C., to E. I. du Pont de Nemours and Co. Treatment with titanium organic compositions. 3,002,854, 10–3–61, Cl. 117—121.

Brill, John K., deceased; A. E. Brill, administratrix. Self-locking and self-sealing plastic fastening devices. 3,001,567, 9–26–61, Cl. 151—7.

Brill, Richard H., and G. J. Reed, to Philco Corp. Drive mechanism. 2,993,388, 7–25–61, Cl. 74—722.

Brill, William F., to Petro-Tex Chemical Corp. 1-vinyl-3-cyclohexenol. 2,987,556, 6–6–61, Cl. 260—617.

Brillhart, William O., G. W. Garner, and R. W. Park, to American Viscose Corp. Perforated tape. 2,993,812, 7–25–61, Cl. 117—157.

Brilmyer, Harold G., to Huck Mfg. Co. Tubular rivet having frangible tool gripping portion. 2,991,681, 7–11–61, Cl. 85—40.

Brimhall, Rulon W. Chord playing attachment for stringed musical instruments. 3,011,380, 12–5–61, Cl. 84—317.

Brimler, Kenneth J., and L. E. Medlock, to Imperial Chemical Industries Ltd. Method of producing cord-like product. 2,993,236, 7–25–61, Cl. 18—59.

Brin Mfg. Co., Inc.: *See*—
Brantingson, Sigurd. 2,982,837.

Brindle, Theodore H. Cabinet structure for automotive vehicles. 2,978,153, 4–4–61, Cl. 224—42.42.

Brinen, Howard F., to Young Radiator Co. Deaerating radiator. 3,004,626, 10–17–61, Cl. 183—2.5.

Brinen, Paul F., to Young Radiator Co. Support-housing for base-board convectors. 2,970,678, 2–7–61, Cl. 189—85.

Bringewald, August R. Magazine type safety razor. 2,989,805, 6–27–61, Cl. 30—40.

Bringmann, George B. Educational device and probe therefor. 2,970,385, 2–7–61, Cl. 35—9.

Brink, Norman G.: *See*—
Lewis, Urban J., and Brink. 2,974,088.

Brink, Raymond J., to Designware Industries, Inc. Mirror frames. 2,986,282, 5–30–61, Cl. 211—90.

Brink, Richard E.: *See*—
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Brink, Robert M., to Time, Inc. Parallel binary comparator circuit. 3,000,001, 9–12–61, Cl. 340—149.

Brinkel, Edwin P., to Ross Operating Valve Co. Fluid-actuated shiftable mechanism. 2,997,066, 8–22–61, Cl. 137—622.

Brinkel, Edwin P., and D. B. Abbott, to Ross Operating Valve Co. Fluid control device. 3,011,519, 12–5–61, Cl. 137—620.

Brinkerhoff, Joris M.: *See*—
Bersin, Richard L., and Brinkerhoff. 2,968,726.

Brinkley, Harry G., Jr.: *See*—
Kirkland, Earl V., and Brinkley. 3,002,897.

Brinkman, Earl W., to Davenport Machine Tool Co., Inc. Thread rolling attachment. 2,977,830, 4–4–61, Cl. 80—6.

Brinkman, Earl W., to Davenport Machine Tool Co., Inc. Thread rolling attachment. 2,987,945, 6–13–61, Cl. 80—6.

Brinkman, Fred R. Gasket cutting tool. 2,986,814, 6–6–61, Cl. 30—200.

Brinkman, William C. Mixing valve. 2,980,141, 4–18–61, Cl. 137—637.2.

Brinkmann, Emile J., Jr., to Kerr-McGee Oil Industries, Inc. Methods and apparatus for breaking suction between hydraulic soil and objects in contact therewith. 3,000,185, 9–19–61, Cl. 61—46.5.

Brinn, Jule, to General Motors Corp. Ignition control. 2,968,299, 1–17–61, Cl. 123—198.

Brinn, Jule, to General Motors Corp. Parking aid. 3,006,425, 10–31–61, Cl. 180—1.

Brinn, Lawrence E.: *See*—
Sappey, Harold and M. 2,980,113.

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Menke, Josef F. 3,004,162.
Menke, Joseph F., and Doerpinghaus. 2,976,419.

Brinster, John F., and E. B. Garretson, to General Devices, Inc. Sub-miniature multi-signal mechanical commutator. 2,984,715, 5–16–61, Cl. 200—26.

Brion, Henri: *See*—
Levecque, Marcel, and Brion. 3,007,813.

Brisbin, Jack W.: *See*—
Rudd, Charles F., and Brisbin. 2,969,727.

Brisbin, John E. Machine for cleaning cartridge primer pockets. 2,977,618, 4–4–61, Cl. 13—104.1.

Brising, Victor, to Aktiebolaget Hydrometer. Apparatus for integrating measurement of variable physical quantities of flowing media. 3,012,435, 12–12–61, Cl. 73—193.

Briskey, John F. Record system for controlling progressive distribution of coupons. 2,990,197, 6–27–61, Cl. 283—63.

Briskin, Joseph, to Johnson & Johnson. Dressing composition. 2,972,545, 2–21–61, Cl. 106—177.

Briskin, Theodore S., R. L. Moore, and R. A. Rom, to Revere Camera Co. (formerly Samica Corp.). Automatic magazine slide projector. 2,968,993, 1–24–61, Cl. 88—28.

Briskin, Theodore S., R. L. Moore, and R. A. Rom, to Revere Camera Co. (formerly Samica Corp.). Magazine slide projector having pivoted injector and ejector arms and an arcuate slide guide. 2,982,177, 5–2–61, Cl. 88—28.

Briskin, Theodore S., F. C. Lustig, and R. L. Moore, to Revere Camera Co. Mechanism for adjusting zoom lens assembly. 2,995,061, 8–8–61, Cl. 88—16.

Briskin, Theodore S., R. L. Moore, and T. Wickstrom, to Revere Camera Co. Camera having automatically controlled lens stop. 3,002,435, 10–3–61, Cl. 95—10.

Briskman, Edwin H., to Lenore Garments Inc. Garment construction. 3,002,193, 10–3–61, Cl. 2—72.

Brisley, Frank O., and R. E. Evans, to Owens-Corning Fiberglas Corp. Battery separator and method for manufacturing same. 2,978,529, 4–4–61, Cl. 136—145.

Brisley, Frank O., and U. T. Gambill, to Owens-Corning Fiberglas Corp. Acoustical wall board. 2,984,312, 5–16–61, Cl. 181—33.

Bri-Son Electronics, Inc.: *See*—
Holt, Hammond H. 3,005,179.

Brissette, Lawrence P., and J. G. Joachim, to General Motors Corp. Hood latch assembly. 3,010,749, 11–28–61, Cl. 292—27.

Brissey, George E., and R. C. Hill, Jr., to Swift & Co. Prevention of casing sticking to meats. 2,982,660, 5–2–61, Cl. 99—174.

Brisson, John R., to Lodal Inc. Loader bucket and grapple apparatus. 2,979,215, 4–11–61, Cl. 214—78.

Brisson, Louis C. Brake control mechanism. 2,981,377, 4–25–61, Cl. 188—78.

Brisson, Louis C. Servo type brake with self regulation. 2,981,378, 4–25–61, Cl. 188—78.

Brisson, Louis C. Brake actuator system. 2,997,139, 8–22–61, Cl. 188—78.

Bristol Aero-Engines Ltd.: *See*—
Bonsall, Frank, and Massey. 2,994,196.
Soltau, William E., and Orchard. 2,977,760.

Bristol, Billy L., to American Machine and Metals, Inc. Ventilator. 3,004,485, 10–17–61, Cl. 98—116.

Bristol Co., The: *See*—
Madeux, Robert S. 2,997,202.
Bristol, John E., to E. I. du Pont de Nemours and Co. Hydrolysis of polyvinyl acetate. 2,995,548, 8–8–61, Cl. 260—91.3.
Bristol, John E., and R. A. Call, to E. I. du Pont de Nemours and Co. Preparation of vinyl ester catalyst. 2,988,517, 6–13–61, Cl. 252—428.
Bristol Mfg. Corp.: *See*—
Campagna, Michele. 3,011,187.
Bristol-Myers Co.: *See*—
Borick, Paul M., and Bratt. 3,003,915.
Cheney, Lee C., and Gottstein. 2,971,007.
Cheney, Lee C., and Gottstein. 2,997,471.
Chertow, Bernard. 2,970,946.
Cotty, Valentine F., and Wilson. 2,983,750.
Gentile, Charles J. 2,998,616.
Granatek, Alphonse P. 3,005,754.
Haupt, Richard R. 2,970,554.
Johnson, David A. 3,007,948.
Johnson, David A., and Hardcastle. 2,967,177.
Kaplan, Murray A. 2,990,426.
Kaplan, Murray A., and Buckwalter. 2,971,818.
Kuna, Samuel, and Wilson. 3,004,889.
Thomas, Ralph H. 2,998,893.
Thomas, Ralph H., and Stull. 2,998,902.
Wheatley, William B., and Dickison. 2,999,880.
Bristol Repetition Ltd.: *See*—
Arengo, Christopher G. 2,969,041.
Arengo, Christopher G. 3,013,285.
Bristol Siddeley Engines Ltd.: *See*—
Allen, Sidney. 2,972,227.
Blackwell, Basil D., Chick, and Cane. 2,979,151.
Davis, Ralph N. 3,010,770.
Green, Percie F., and Bullock. 2,971,340.
Hiscock, George H., and Vivian. 2,978,869.
Lewis, Gordon M., and Orchard. 2,994,471.
Rice, Alec. 2,977,816.
Ricketts, Charles P. L. 3,010,643.
Rodgers, Harry F., and Harvey. 2,984,975.
Stanton, Francis P. 2,978,169.
Stokes, Morris A., and Parnell. 2,974,487.
Thomas, Albert. 3,006,355.
Willis, William, Gough, and Davis. 2,974,218.
Bristow, Raymond R.: *See*—
Palmer, Carl C., and Bristow. 3,011,856.
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Brite, Leigh A., to Hughes Aircraft Co. Pulse modulation transmitter circuits. 3,004,155, 10–10–61, Cl. 250—17.
Brite, William R.: *See*—
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British-American Tobacco Co. Ltd.: *See*—
Davies, David R., and Evers. 3,000,751.
Morphet, Bentham R., and Mungo. 2,976,872.
British Boot, Shoe and Allied Trades Research Association, The: *See*—
Coulson, Ronald G., and Smedley. 3,009,696.
British Building and Engineering Appliance Ltd.: *See*—
Dubois, Walter M., and Hale. 2,991,854.
British Celanese Ltd.: *See*—
Crampsey, Edward, Grady, and Hawtin. 2,982,681.
Downing, John. 2,982,598.
Finlayson, Donald, and Krzesinski. 2,988,418.
Finlayson, Donald, Krzesinski, and Cooke. 2,973,018.
Gibbins, Leslie B., and Riley. 2,990,575.
Grady, Dennis, and Hodge. 2,987,493.
Groombridge, Denis W., Hawtin, and Downing. 2,968,834.
Groombridge, Denis W., Riley, and Pearson. 2,993,040.
Groombridge, Denis W., Riley, and Pearson. 3,003,846.
Hawtin, Selwyn G., Upton, and Downing. 3,001,231.
King, Frederick E., Cooke, and Lincoln. 2,999,085.
Kowolik, Ernest J., and Lincoln. 2,979,483.
Lampard, Edward H. A. 2,988,133.
Lincoln, James. 3,009,903.
Lincoln, James, Hawthorne, and Kowolik. 2,974,122.
Mann, Ralph J., and Bledawski. 2,974,065.
Mann, Ralph J., and Grant. 2,976,713.
Pearson, Eric, and King. 2,992,456.
Pool, William. 2,982,082.
Richmond, Alfred, Pool, and Gentle. 3,010,270.
Upton, Edward J., and Betteridge. 3,005,233.
Williams, William, and Wylde. 3,007,298.
British Cellophane Ltd.: *See*—
Foulger, Frank. 3,000,276.
British Cotton Industry Research Association, The: *See*—
Catling, Harold, De Barr, and Linnert. 3,013,313.
Jones, Eric H. 2,981,638.
Magarshack, John M., and Moss. 2,999,294.
Thomas, Iorwerth H., and Wrzesien. 2,989,089.
British Dielectric Research Ltd.: *See*—
Plessner, Karl W., and West. 2,980,546.
British Drug Houses Ltd., The: *See*—
Kirk, David N., and Petrow. 2,989,552.
Kirk, David N., Petrow, and Thomson. 2,981,732.
Petrow, Vladimir. 3,004,991.
Petrow, Vladimir, Cooley, and Ellis. 2,985,651.
Petrow, Vladimir, and Kirk. 2,998,435.
Petrow, Vladimir, and Stephenson. 3,014,912.
Petrow, Vladimir, and Stuart-Webb. 3,002,969.
Petrow, Vladimir, and Williamson. 3,004,966.
British Hartford-Fairmont Ltd.: *See*—
Lawson, Alec. 2,982,052.
British Hydrocarbon Chemicals Ltd.: *See*—
Oldham, Wilfred J. 2,993,940.
Oldham, Wilfred J. 3,004,084.
Stanley, Herbert M., and Wirth. 2,977,396.
Wirth, Max M. 2,997,509.
British Insulated Callender's Cables Ltd.: *See*—
Gibbon, William. 2,995,615.
Grieve, George T. W., and Watson. 3,006,136.
British Insulated Callender's (Submarine Cables): *See*—
Fairfield, Ronald M., and Davey. 2,980,755.
British Internal Combustion Engine Research Assn., The: *See*—
Mansfield, Wilfred P. 3,014,468.
British Iron & Steel Research Association, The: *See*—
Hessenberg, Wilfrid C. F. Re. 25,075.
British Iron and Steel Research Corp., The: *See*—
Morton, James S., and Savage. 2,975,493.
British Messier Ltd.: *See*—
Elmer, Arthur E. H., and Smith. 3,011,482.
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Davies, Gerald T., Fisher, Jones, Lewis, Wilson, Griffin, and Hewitt. 3,010,147.
Goddard, Sidney. 2,980,362.
Thomas, Gwilym G. 2,991,147.
White, Trevor R. 2,984,647.
British Oxygen Co. Ltd., The: *See*—
Armond, John W. 2,983,105.
Bradshaw, James R., and Cresswell. 2,984,731.
Brittaine, Lawrence J., and Fortin. 2,984,734.
Churcher, Thomas C. 2,969,282.
Copleston, Francis W., and Orton. 3,005,902.
Cresswell, Robert A. 2,983,808.
Cresswell, Robert A. 2,990,466.
Fawkes, John E. 2,983,806.
Forrest, John. 2,983,107.
Griffiths, Arthur J. H., and Fieldhouse. 2,983,632.
King, Brian E. 2,997,593.
King, Jack A. R. 3,005,901.
Kugler, Simon. 2,983,106.
Lucey, John A. 2,969,454.
Miller, Samuel A., and Waller. 3,005,851.
Shaw, Peter. 2,973,427.
Smith, Kenneth C. 2,983,585.
Smout, Donald D. 2,997,571.
Tayler, Colin A. M. 2,983,405.
Tebboth, John A. 3,005,782.
Templer, Charles E., and Lainchbury. 2,997,855.
Webster, Thomas J. 3,001,376.
British Petroleum Co. Ltd., The: *See*—
Blake, Edward J. 3,013,968.
Greatorex, Robert, Zalichi, and Partridge. 3,006,842.
Holmes, Peter D., and Stalley. 2,987,560.
Holmes, Peter D., Stalley, and Moy. 2,972,644.
Housam, Ernest C., and Lester. 2,976,336.
Mackenzie, Kenneth J., Howe, and Roles. 2,993,336.
Moy, John A. E., and Burbidge. 2,967,821.
Moy, John A. E., and Burbidge. 2,967,822.
Moy, John A. E., White, and Burbidge. 3,001,929.
Northcott, Roy P., and Lester. 2,970,957.
Pethrick, Samuel R., and Sparke. 2,991,252.
Pethrick, Samuel R., and Sparke. 3,005,775.
Porter, Frederick W. B., Turner, and Housam. 2,983,689.
Porter, Frederick W. B., and White. 2,996,447.
Stalley, John C., Haresnape, and Turner. 2,998,393.
Turner, Roy, and Yeo. 2,982,793.
White, Peter T. 3,004,914.
White, Peter T., and Housam. 3,001,930.
Yeo, Alan A., and Turner. 2,982,720.
British Plaster Board (Holdings) Ltd., The: *See*—
Taylor, John B. 2,979,415.
British Rayon Research Assn., The: *See*—
Doleman, Jack, and Morgan. 2,971,242.
British Ropes Ltd.: *See*—
Campbell, Robert E. 2,978,860.
British Steel Piling Co. Ltd., The: *See*—
Brander, Arthur. 2,980,061.
British Telecommunications Research Ltd.: *See*—
Day, Richard A., Jr. 2,985,716.
Holloway, Dennis G. 2,980,765.
British Thomson-Houston Co. Ltd., The: *See*—
Blake, Leslie R. 2,987,001.
Blake, Leslie R. 2,988,000.
Blake, Leslie R. 3,007,413.
Blake, Leslie R. 3,008,418.
Clark, Leonard J. 2,989,873.
Clark, Leonard J. 2,990,503.
Coe, Reginald T., and Griffiths. 2,968,740.
Collins, Gordon, and Graves. 2,981,233.
Howles, Donald A., and Wright. 2,999,180.
Knight, Henry de B. 2,978,604.
Lancaster, John K., Milner, and Hirst. 3,002,083.
Ludbrook, Leslie C. 2,968,758.
Ludbrook, Leslie C. 2,975,346.
Mynall, Dennis J. 3,002,104.
Nye, Anthony E. T. 2,973,458.
Nye, Anthony E. T. 2,984,610.
Nye, Anthony E. T. 2,988,494.
Parmee, John L. 2,981,687.
Prowse, Donald W., and Rayden. 2,999,580.
Scott, William J. 2,985,787.
Sherlock, John E. 2,987,257.
Watson, John A. 2,979,592.
Wells, Robert S., and Anderson. 2,973,322.

British Timken Ltd.: *See*—
Gargan, Ernest R. 2,980,474.
McNicoll, David. 2,981,574.
British Titan Products Co. Ltd.: *See*—
Evans, Arthur W.; Brown, and Roddam. 2,998,321.
Evans, Arthur W., and Shore. 3,009,777.
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British Transport Commission: *See*—
Pearson, Alfred J. 3,002,448.
Briton, Joan: *See*—
Otto, Carl L. and L.B., and Briton. 2,994,327.
Britt, Edward C., to Ruspak Corp. Packaging means for articles. 2,974,784, 3–14–61, Cl. 206—47.
Britt, Horace J., to American Telephone and Telegraph Co. Reduction of effect of hits on telegraph reception. 2,997,543, 8–22–61, Cl. 178—69.
Britt, Robert M. Burglar alarm. 3,011,163, 11–28–61, Cl. 340—274.
Britt, Ronald H., to Marconi's Wireless Telegraph Co. Ltd. Frequency measuring and responsive circuit arrangements. 3,001,132, 9–19–61, Cl. 324—77.
Brittain, Percy W. Vacuum operated hair cutter. 2,975,517, 3–21–61, Cl. 30—133.
Brittain, Richard J., Jr., to General Motors Corp. Flexible seal. 2,977,138, 3–28–61, Cl. 286—11.
Brittain, Willard M., to Westinghouse Electric Corp. Signal converter apparatus. 2,997,638, 8–22–61, Cl. 318—162.
Brittaine, Lawrence J., and G. E. Fortin, to The British Oxygen Co. Ltd. Electric arc welding. 2,984,734, 5–16–61, Cl. 219—127.
Britten, Harold H., to General Electric Co. Regulator control apparatus for plural generators. 2,986,647, 5–30–61, Cl. 307—57.
Britton, Colin F.: *See*—
Huddle, Roy A. U., Wilkins, and Britton. 2,993,784.
Britton, Edgar C.: *See*—
Gruenhagen, Richard H., Ashby, Britton, and Horsley. 2,971,884.
Scigliano, Joseph J., and Britton. 2,975,181.
Sexton, Arthur R., and Britton. 2,968,664.
Britton, Edgar C., D. D. Wheeler, and D. C. Young, to The Dow Chemical Co. Process for the preparation of 2-amino-5-chlorobenzoxazole. 2,969,870, 1–24–61, Cl. 260—307.
Brixite Mfg. Co., Inc.: *See*—
Chalmers, Alexander A. 2,990,651.
Brixius, Gerald G., and J. Lubis. Identifying device. 2,976,629, 3–28–61, Cl. 40—11.
Brixius, Jacob K., and H. W. Trenbath, Jr., to Rockwell-Standard Corp. Particle charging apparatus for electrostatic filter. 2,987,137, 6–6–61, Cl. 183—7.
Brixner, Rudolf J. G. Barbed wire. 2,973,185, 2–28–61, Cl. 256—6.
Bro, Manville I., to E. I. du Pont de Nemours and Co. Film-forming composition comprising particulate polyvinyl fluoride dispersed in a lactone. 3,000,844, 9–19–61, Cl. 260—30.4.
Bro, Manville I., R. J. Convery, and R. C. Schreyer, to E. I. du Pont de Nemours and Co. Polymerization of fluorine containing monomers. 2,988,542, 6–13–61, Cl. 260—87.5.
Broach, Eures C.: *See*—
Brown, Clyde W., Crowder, and Broach. 2,995,802.
Broad, Michael J.: *See*—
Trowbridge, David R., Moss, and Broad. 2,997,846.
Broadbent, Kent D., to Hughes Aircraft Co. Magnetic device. 2,993,197, 7–18–61, Cl. 340—174.
Broadbent, Stanley, to Yarrows Ltd. Sluice gate. 2,979,909, 4–18–61, Cl. 61—28.
Broadbent, William B.: *See*—
Dunlap, Charles K., Broadbent, and Taylor. 3,000,590.
Broaddus, James E.: *See*—
Young, Vernon R., Pittman, and Broaddus. 3,011,551.
Broadhead, James H., O. L. Johnson, Jr., and L. B. Smith, to J & B Mfg. Co. Apparatus for wrapping articles with tape. 3,003,297, 10–10–61, Cl. 53—198.
Broadhead, Ronald L., to Standard Oil Co. Water-base alkyd resin paint using lithium hydroxide dispersing agent. 2,985,602, 5–23–61, Cl. 260—22.
Broadhead, Samuel L., Jr., and M. T. Ludvigson, to Collins Radio Co. Variable inductor having a variable tap. 3,001,161, 9–19–61, Cl. 336—15.
Broadhead, Samuel L., Jr., and J. F. McInerney, to Collins Radio Co. Oscillator with amplitude stabilization and starting phase correction. 3,010,077, 11–21–61, Cl. 331—164.
Broadhurst, Sidney W.: *See*—
Harris, Lionel R. F., and Broadhurst. 2,994,064.
Broadley, Peter R.: *See*—
Yellott, John I., and Broadley. 2,973,057.
Yellott, John I., and Broadley. 2,981,369.
Broadway, John D., and H. Freeman, to Nichols Engineering and Research Corp. Separation of foam and other materials from liquid mixtures ("foamjector"). 2,982,409, 5–2–61, Cl. 209—211.
Broadworth, Max R.: *See*—
Davis, Ralph A., and Broadworth. 3,002,934.
Broan Mfg. Co. Inc.: *See*—
Wermager, Peter C. 2,993,428.
Broberg, Walter O. W.: *See*—
Vigren, Sten D., Broberg, and Zander. 2,969,433.
Vigren, Sten D., Broberg, and Zander. 2,982,833.
Brock & Co., Inc.: *See*—
Adacusky, Joseph W. 2,991,610.
Brock, Frederick W. Method for measuring visual discrepancy. 3,001,442, 9–26–61, Cl. 88—20.
Brock, Gordon L. Signalling device. 2,998,498, 8–29–61, Cl. 200—61.46.
Brock, Harold A. Automatic unloading trailer. 2,992,750, 7–18–61, Cl. 214—506.
Brock, Harold W.: *See*—
McEwen, Norman S. 2,987,903.
Brock, James E. Segmented lock means for bearing. 2,989,888, 6–27–61, Cl. 85—8.6.
Brock, Jean A. M., to Olin Mathieson Chemical Corp. Illuminants. 2,968,542, 1–17–61, Cl. 52—24.
Brock, Jon: *See*—
Sweitzer, Charles S., and Brock. 2,987,122.
Brock, Vestle E., to R. M. Densmore. Cam mechanical movement. 3,010,339, 11–28–61, Cl. 74—568.
Brockert, Paul E., D. R. Gordon, R. K. Skinner, and J. C. Whitmer, to General Motors Corp. Synchronizing and synchrophasing system for propellers. 3,007,529, 11–7–61, Cl. 170—135.29.
Brockman, Donald A.: *See*—
Burlinson, Roy F., Brockman, Taylor, and Young. 2,975,639.
Young, Llewellyn, Taylor, and Brockman. 2,968,182.
Brockman, Frank G., to Philips Laboratories, Inc. Process of making a ferromagnetic core having a predetermined permeability. 2,985,939, 5–30–61, Cl. 25—157.
Brockman, John A., Jr., to American Cyanamid Co. 6-8-dihalo octanoic acid esters and salts thereof. 2,970,161, 1–31–61, Cl. 260—408.
Brockman, Robert H. Flag mounting attachment for a mailbox. 2,983,438, 5–9–61, Cl. 232—34.
Brockway, Arthur L., Jr., to The Bendix Corp. Ground controlled approach indicator system. 3,013,213, 12–19–61, Cl. 343—11.
Brockway, Charles E., and A. F. Ekar, to Goodrich-Gulf Chemicals, Inc. Process for polymerizing dienes. 2,977,349, 3–28–61, Cl. 260—94.3.
Brockway Glass Co., Inc.: *See*—
Park, Robert H. 3,008,191.
Brockway, Marion C.: *See*—
King, Burnham W., and Brockway. 3,014,816.
Brockway, Warren H.: *See*—
Ong, Eric, and Brockway. 2,990,802.
Brockway, Wilhelm W. Classroom cabinet, prefabricated construction. 2,966,760, 1–3–61, Cl. 45—139.
Brockwell, Lloyd A., and J. J. Matta, to Radio Corp. of America. Tuning section. 2,976,500, 3–21–61, Cl. 333—11.
Brodart Industries, Inc.: *See*—
Brody, Arthur, and Erb. 3,014,580.
Brodbeck, Frederick: *See*—
Drese, Arthur W., and Brodbeck. 3,002,304.
Brodbeck, Willy, to A. Gauthier, G.m.b.H. Profile-milling and engraving machine. 2,966,831, 1–3–61, Cl. 90—13.
Brodbeck, Willy, to Alfred Gauthier G.m.b.H. Profile-milling and engraving machine. 2,968,224, 1–17–61, Cl. 90—13.
Brodbeck, Willy, to Alfred Gauthier, G.m.b.H. Profile-milling and engraving machine. 2,969,716, 1–31–61, Cl. 90—13.
Brodbeck, Willy, to Alfred Gauthier, G.m.b.H. Machine tool with indexing rotatable work carrier having a plurality of workpiece holders. 3,012,454, 12–12–61, Cl. 77—64.
Broden, Albert W. Drill stop. 2,978,931, 4–11–61, Cl. 77—7.
Broder, Alan, and C. M. Mengani, to Sperry Rand Corp. Engine analyzer. 3,005,948, 10–24–61, Cl. 324—16.
Broderick, Donald L., D. C. Hartke, and M. J. Willrodt, to Hewlett-Packard Co. Pulse generator. 3,002,151, 9–26–61, Cl. 328—58.
Broderick, Edward, and S. Loshaek, to The Borden Co. Scintillator composition. 2,985,593, 5–23–61, Cl. 252—301.2.
Broderick, Edward, P. Bernstein, and S. Loshaek, to United States of America, Atomic Energy Commission. Fluorescent plastic scintillators. 3,010,908, 11–28–61, Cl. 252—301.2.
Broderick, Frank. Process of preparing mated embossing rolls. 3,005,364, 10–24–61, Cl. 76—107.
Broders, Claude O., to United Aircraft Corp. Stator for compressor or turbine. 3,004,750, 10–17–61, Cl. 253—78.
Brodersen, Rolf K., and F. D. Litty, to General Precision Inc. Isoelastic flexure suspended and driven gyros. 2,995,938, 8–15–61, Cl. 74—5.7.
Broderson, Neil O., to Capital Plastics, Inc. Method for making plastic articles. 3,010,158, 11–28–61, Cl. 18—58.
Brodie, George H., and A. J. Radcliffe, Jr., to International Telephone and Telegraph Corp. Electronic generator of telephone ringing current. 2,991,428, 7–4–61, Cl. 331—75.
Brodie, George R., to Fred'k H. Levey Co., Inc. Multi-color printing process. 2,989,917, 6–27–61, Cl. 101—211.
Brodie, Mary G.: *See*—
Abbott, Austin C., Jr., and Brodie. 2,993,807.
Broding, Robert A., to Century Geophysical Corp. Electrophotographic oscillograph for observing slow recurrent signals. 2,986,442, 5–30–61, Cl. 346—74.
Brodkey, Robert S.: *See*—
Lippincott, Samuel B., Thomas, Oakley, Leary, and Brodkey. 2,976,271.
Brodkey, Robert S., and J. Rehner, Jr., to Esso Research and Engineering Co. Stable butyl latices. 2,973,309, 2–28–61, Cl. 204—154.
Brodrene Gram A/S: *See*—
Gram, Hans. 2,997,859.

Brodt, Ray H.: *See*—
Hahn, William W., Brodt, and Kilmer. 2,998,911.
Keller, Heinz, Brodt, and Lampatzer. 2,979,430.

Brody, Arthur. Protective cover for a book and book jacket. 3,009,715, 11–21–61, Cl. 281—34.

Brody, Arthur, and G. H. Korb, to Brodart Industries, Inc. Tabs for attachment to ring-binder leaves, and means for mounting the same. 3,014,580. 12–26–61, Cl. 206—56.

Brody, David L., to Hudson Pulp & Paper Corp. Handle wrapper and package. 3,013,655, 12–19–61, Cl. 206—65.

Brody, Herbert M.: *See*—
Vanderlee, Harold G., and Brody. 3,006,155.

Broeke, Jan T.: *See*—
Chemerda, John M., Tristram, Hinkley, and Broeke. 2,980,713.

Broen, Poul R.: *See*—
Katva, Ilmari. 3,002,531.

Broerman, Arthur B., to Phillips Petroleum Co. Process dead time simulator. 2,980,126. 4–18–61, Cl. 137—85.

Broermann, Kenneth, to The Baldwin Piano Co. Transistor oscillators. 2,983,877, 5–9–61, Cl. 331—52.

Broers, Gerard H. J. Fuel cell and method of producing electrodes for such a cell. 2,980,749, 4–18–61, Cl. 136—86.

Brogan, Norman B., H. N. Hill, Jr., and F. O. Smith, to Union Carbide Corp. Electrolytic moisture measuring apparatus. 2,976,728, 3–28–61, Cl. 73—336.5.

Brogan, Thomas R.: *See*—
Kantrowitz, Arthur R., Brogan, and Hritzay. 2,972,696.

Brogden, Morris H. Plug-in chassis assembly. 3,014,160, 12–19–61, Cl. 317—101.

Broge, Robert W., to The Procter & Gamble Co. Alumina abrasive materials. 3,003,919, 10–10–61, Cl. 167—93.

Brohl, August: *See*—
Wagner, Adam. 2,994,093.

Brohl, Earl M., to General Motors Corp. Snap action diaphragm type liquid pump. 2,968,254, 1–17–61, Cl. 103—150.

Broich, Franz, F. List, and N. Roh, to Chemische Werke Huls Aktiengesellschaft. Process for the production of aromatic carboxylic acids. 2,999,879, 9–12–61, Cl. 260—524.

Broich, Franz, H. Steinbrink, A. Frese, and H. König, to Chemische Werke Huls Aktiengesellschaft. Process of stabilizing polyolefins, and product. 2,997,455, 8–22–61, Cl. 260—45.9.

Broida, Dan, and L. Berger, to Sigman Chemical Co. Process for the colorimetric determination of lactic dehydrogenase. 2,996,436, 8–15–61, Cl. 195—103.5.

Brokaw, George Y., and W. C. Lyman, Jr., to Eastman Kodak Co. Glycerol fatty acid partial ester gels. 2,976,251, 3–21–61, Cl. 252—316.

Broman, Arthur, M. Lambert, P. Gilard, and R. Van Herck, to Union des Verreries Mecaniques Belges Societe Anonyme. Method and apparatus for drawing glass ribbon material. 2,972,210, 2–21–61, Cl. 49—17.

Broman, Bror O.: *See*—
Hult, Nils R. R., and Broman. 2,978,378.

Broman, Burton J., to Union Asbestos & Rubber Co. Method of and apparatus for welding channel section strips. 2,993,270, 7–25–61, Cl. 29—463.

Broman, Cyrus R., to Baxter Laboratories, Inc. Parenteral fluid administration equipment. 2,969,063, 1–24–61, Cl. 128—214.

Broman, Cyrus R., to Baxter Laboratories, Inc. Artificial kidney system. 2,969,150. 1–24–61. Cl. 210—321.

Broman, Cyrus R., to Baxter Laboratories, Inc. Parenteral fluid equipment. 2,989,052, 6–20–61, Cl. 128—214.

Brombaugh, Burlin B.: *See*—
Homes, William A., and Brombaugh. 3,003,980.

Bromberg, Esther: *See*—
Welna, George E. 2,979,637.

Bromberg, Nathan: *See*—
Welna, George E. 2,979,637.

Bromby, Norman G.: *See*—
Scott, Thomas R., Bromby, and Allday. 2,990,246.

Bromega Ltd.: *See*—
Bradshaw, Granville E. 2,968,290.

Bromer, Heinz, and N. Meinert, to Ernst Leitz, G.m.b.H. Optical glass. 2,996,392, 8–15–61, Cl. 106—47.

Bromer, Heinz, and N. Meinert, to Ernst Leitz, G.m.b.H. Optical glass. 2,996,393, 8–15–61, Cl. 106—47.

Bromer, William W., and J. M. McGuire, to Eli Lilly and Co. Valacidin and processes for the preparation thereof. 2,970,943, 2–7–61, Cl. 167—65.

Bromfield, Morton S. Method of manufacturing shoes. 2,973,530, 3–7–61, Cl. 12—142.

Bromfield, Morton S. Method for mulling shoe uppers. 2,973,531, 3–7–61, Cl. 12—142.

Bromley, James E., and D. J. Lamb, to The Chemstrand Corp. Method and apparatus for stretching and twisting continuous filament yarn. 2,979,882, 4–18–61, Cl. 57—55.5.

Bromley, James E., and R. C. Baldwin, to The Chemstrand Corp. Drawtwisting machinery. 3,009,308, 11–21–61, Cl. 57—55.5.

Bromley, LeRoy A., to The Regents of the University of California. Multiple unit centrifugal evaporator. 2,999,796, 9–12–61, Cl. 202—236.

Bromo Mint Co.: *See*—
Kuhn, James O. 3,002,315.
Kuhn, James O. 3,013,764.
Steiner, Albert M. and R. L. 2,994,156.

Bronaugh, Hugh J., to Thiokol Chemical Corp. Process of preparing diborane. 2,967,761, 1–10–61, Cl. 23—204.

Bronesky, Leon: *See*—
Wells, Leon W. 2,967,453.

Bronikowski, Raymond J.: *See*—
Nash, William H., and Bronikowski 2,999,141.

Bronikowski, Raymond J., and G. R. McCloud, to McGraw-Edison Co. Fuse cutout. 3,002,070, 9–26–61, Cl. 200—114.

Bronner, Gottfried: *See*—
Hermann, Joachim, and Bronner. 3,011,124.

Bronson, George A., to United States of America, Navy. Bomb carriage and release device. 3,008,377, 11–14–61, Cl. 89—1.5.

Bronson, Keith R.: *See*—
Degen, Robert A., and Bronson. 3,009,384.

Bronson, Robert W., and N. D. Korvitz, to Texas Instruments Inc. Glass encased resistor and method of making same. 3,012,214, 12–5–61, Cl. 338—237.

Bronstein, Jacob, and S. I. Rambo, to United States of America, Air Force. Sensitivity time control system. 2,984,741, 5–16–61, Cl. 250—20.

Bronstien, Edward L., to The United States Bedding Co. Sofa bed with automatic operation. 2,982,974, 5–9–61, Cl. 5—13.

Bronzavia: *See*—
Jaouen, Jean. 2,974,530.

Bronzavia S.A.: *See*—
Conan, Yves. 3,008,484.
Gärtner, Berthold. 2,989,975.

Brook, John B. Chair. 2,990,876, 7–4–61, Cl. 155—130.

Brook, Leonard, to Baker Perkins Ltd. Apparatus for moulding sugar and like plastic materials. 2,987,015. 6–6–61, Cl. 107—8.

Brook, Leonard, to The Forgrove Machinery Co. Ltd. Wrapping machines. 2,987,861, 6–13–61, Cl. 53—225.

Brook, Leonard, E. H. Lazenby, and P. G. Wilson, to The Forgrove Machinery Co. Ltd. Wrapping machines. 2,977,731, 4–4–61. Cl. 53—74.

Brook, Leonard, and R. Walker, to The Forgrove Machinery Co. Ltd. Wrapping machines. 2,995,878, 8–15–61, Cl. 53—73.

Brook, Leonard, and R. Walker, to The Forgrove Machinery Co. Ltd. Wrapping machines. 3,001,351, 9–26–61, Cl. 53—370.

Brook, Morris H. Model demonstrator for teaching artificial respiration. 3,009,266, 11–21–61, Cl. 35—17.

Brook, Niles J., and L. P. Longo, to The Fargo Corp. Therapeutic magnet. 3,005,458, 10–24–61, Cl. 128—356.

Brookbank, Earl B., Jr.: *See*—
Ahlm, Carl E., Jr., and Brookbank. 3,001,887.

Brooke, Jesse, to Phillips Petroleum Co. Method of protecting a well casing and tubing against leakage, collapse, and corrosion. 3,012,606, 12–12–61, Cl. 166—1.

Brooke, Norman E. Garment hangers. 2,970,726, 2–7–61, Cl. 223—96.

Brooke Paper Co.: *See*—
Moran, John F. 2,991,679.

Brooker, Charles E., to Pennsalt Chemicals Corp. Cleaning composition. 2,987,483, 6–6–61, Cl. 252—138.

Brooker, Eric G., J. A. Kingston, and J. R. Knox, to Gascolgnes (Reading) Ltd. Method of and means for cooling substances such as liquids in bulk. 3,013,402, 12–19–61, Cl. 62—171.

Brooker, Leslie G. S.: *See*—
Van Lare, Earl J., and Brooker. 2,976,151.

Brookes, Albert E. Apparatus for treating hops and the like. 2,988,820, 6–20–61, Cl. 34—54.

Brookes, Geoffrey: *See*—
Pritchard, John, and Brookes. 2,998,556.

Brookhyser, Byron B., H. E. Erickson and D. L. Schubert; said Brookhyser and said Erickson assor. of ⅛ to said Schubert and ⅞ to Industrial Development Co. Feeding apparatus for rotary wood flaker. 2,969,095, 1–24–61, Cl. 144—242.

Brooks, Carl W. and E. W. Egg basket unloader. 3,001,656, 9–26–61, Cl. 214—309.

Brooks, Charles H.: *See*—
Barton, Paul D., and Brooks. 3,007,980.
Gorand, Alfred J., and Brooks. 2,994,383.

Brooks, Charles H., and C. L. Thomas, to Sun Oil Co. Liquid phase hydrogenation of petroleum fractions. 2,968,614, 1–17–61, Cl. 208—264.

Brooks, David N.: *See*—
Dayton, David R., Nimblett, and Brooks. 3,015,023.

Brooks, David N., D. R. Dayton, and A. H. Nimblett, to Sylvania Electric Products Inc. Flashgun. 3,003,053, 10–3–61, Cl. 240—1.3.

Brooks, E. J., Co.: *See*—
Brooks, Winfred M. 2,980,461.
Moberg, Sigurd M. 2,978,705.
Moberg, Sigurd M. 2,978,706.
Moberg, Sigurd M. 2,980,462.
Moberg, Sigurd M. 3,002,368.

Brooks, Elmer W.: *See*—
Brooks, Carl W. and E. W. 3,001,656.

Brooks Equipment Corp.: *See*—
Quinn, Aloysius J. 2,977,776.

Brooks, Ernest A., G. F. Friese, J. F. Harvey, and J. P. Winkin, to The Babcock & Wilcox Co. Mercury vapor generator. 2,982,269, 5–2–61, Cl. 122—510.

Brooks, Eugene H., to Continental Gin Co. Lint cotton opener and cleaner. 2,977,641, 4–4–61, Cl. 19—93.

Brooks, Francis D., to United Kingdom Atomic Energy Authority. Nuclear particle discriminators. 2,994,781, 8–1–61, Cl. 250—207.

Brooks, Frank P., P. E. Glaser, and A. Pastuhov, to Whirlpool Corp. Heat insulating panels. 2,989,156, 6–20–61, Cl. 189—34.

Brooks, Frank W., to General Motors Corp. Brake structure. 2,976,957, 3–28–61, Cl. 188—78.

Brooks, Frank W., Jr., and C. A. Duval, Jr., to Socony Mobil Oil Co., Inc. Process for purifying petroleum with multiphase alkaline treating solutions of alkali metal salts of solutizers and process for regenerating said solutions. 2,987,469, 6–6–61, Cl. 208—234.

Brooks, Frederick P., Jr., to North American Aviation, Inc. Alphabetical read-out device. 2,981,020, 4–25–61, Cl. 40—130.

Brooks, Harvey, and J. W. Ballou, to United States of America, Navy. Torpedo depth steering engine control. 2,974,623, 3–14–61, Cl. 114—25.

Brooks, Lloyd A., to Aerojet-General Corp. Dual wheel caster lock. 2,987,141, 6–6–61, Cl. 188—2.

Brooks, Lorimer P.: *See*—
Gohs, Howard C., and Brooks. 2,980,784.

Brooks, Norman C., to International Standard Electric Corp. Electricity supply equipment for electrical precipitation plant. 2,997,642, 8–22–61, Cl. 323—1.

Brooks & Perkins, Inc.: *See*—
Kirkpatrick, James S. 2,985,129.

Brooks, Raymond A.: *See*—
Haven, Edward S., and Brooks. 2,978,845.

Brooks, Raymond A., to Norton Co. Abrasive devices. 3,004,373, 10–17–61, Cl. 51—193.5.

Brooks, Riley H. Holding device for fishing rods. 2,969,899, 1–31–61, Cl. 224—5.

Brooks, Robert A., to E. I. du Pont de Nemours and Co. Halogenated metal-phthalocyanine precursors. 2,980,691, 4–18–61, Cl. 260—314.5.

Brooks, Robert M.: *See*—
Bechtel, Robert J., and Brooks. 2,999,009.

Brooks, Roy L. Oiling apparatus for mechanism for unloading cars. 3,002,728, 10–3–61, Cl. 254—187.

Brooks, Theodore J., to Pemco Wheel Co. Mechanical device. 2,977,162, 3–28–61, Cl. 308—193.

Brooks, Thomas L.: *See*—
Morganstern, Harold M., Brooks, and Shelton. 2,983,241.

Brooks, Will E., to Precision Scientific Co. Conveyor. 2,973,856, 3–7–61, Cl. 198—219.

Brooks, Winfred M., to E. J. Brooks Co. Foldable, hasp-locking seal. 2,980,461, 4–18–61, Cl. 292—307.

Brooksbank, Wallace R. Straps and belting. 3,007,826, 11–7–61, Cl. 154—52.1.

Brooksbank, William A., Jr., G. W. Leddicotte, J. E. Strain, and H. H. Hendon, Jr., to United States of America, Atomic Energy Commission. Absorption analyzer. 3,009,062, 11–14–61, Cl. 250—83.1.

Brookshier, Robert H.: *See*—
Doyle, Jerry M., Brookshier, and Montgomery. 2,985,979.

Brookshire, Robert R., to Hughes Aircraft Co. Method of silver plating by chemical reduction. 2,976,180, 3–21–61, Cl. 117—130.

Brookshire, Robert R., to Hughes Aircraft Co. Method of gold plating by chemical reduction. 2,976,181, 3–21–61, Cl. 117—130.

Broomall, Robert M.: *See*—
Beaman, Norman V., and Broomall. 2,978,096.

Broome, Floyd L. Harness sheave shaft with floating nylon bushing. 3,006,382, 10–31–61, Cl. 139—84.

Brophy, Joseph A., Jr., to United States Rubber Co. Corrugated diaphragm manufacture. 2,991,509, 7–11–61, Cl. 18—56.

Broquist, Harry P., A. M. Albrecht, and A. V. B. Stiffey, to American Cyanamid Co. Production of lysine. 2,980,590, 4–18–61, Cl. 195—29.

Brosan, George S.: *See*—
Bishop, Dudley O., and Brosan. 2,979,630.

Broschke, Heinrich, to Ernst Leitz, G.m.b.H. Exposure meter for photographic or cinematographic purposes. 3,001,460, 9–26–61, Cl. 95—10.

Brosh, Amnon, to Schaevitz Engineering. Differential transformer. 2,985,854, 5–23–61, Cl. 336—30.

Brosh, Amnon, to American Bosch Arma Corp. Selective calling system. 2,989,730, 6–20–61, Cl. 340—164.

Brosh, Amnon, to American Bosch Arma Corp. Binary signal verification system. 3,009,134, 11–14–61, Cl. 340—171.

Broshous, Duane K., ½ to D. Perry. Handgun harness. 2,985,980, 5–30–61, Cl. 42—94.

Brosius, Galen A. Switch type lamp socket. 3,013,130, 12–12–61, Cl. 200—51.16.

Broske, William F., to AMP Inc. Explosive cartridge. 3,007,409, 11–7–61, Cl. 102—38.

Broske, William F., and W. E. Jaycox, to AMP Inc. Tool for explosively crimping electrical connectors. 2,981,130, 4–25–61, Cl. 81—15.

Bross, Helmut, to F. T. Johmann. Writing instrument, particularly of the ball point type. 2,989,082, 6–20–61, Cl. 120—42.03.

Bross, Warren C.: *See*—
Vander Sande, John L., and Bross. 2,969,571.

Bross, Warren C., to Camloc Fastener Corp. Retaining ring for rotary stud fastener. 2,975,667, 3–21–61, Cl. 85—36.

Brosseau, John B., to Jeb-Rod Corp. Hanger rod. 2,974,805, 3–14–61, Cl. 211—105.5.

Brossi, Arnold, and O. Schnider, to Hoffmann-La Roche Inc. Production of acetophenone derivatives. 2,995,557, 8–8–61, Cl. 260—289.

Brossi, Arnold, and O. Schnider, to Hoffmann-La Roche Inc. 2-hydroxy-2-lower alkyl-3-lower alkyl-9-10-di(lower alkoxyl)-1,2,3,4,6,7-hexahydro-11bH-benzo(*a*)quinolizines, intermediates therefor, and preparation. 2,997,475, 8–22–61, Cl. 260—286.

Brossman, Martin W., and R. K. Chaimson. Fracture testing device. 2,966,796, 1–3–61, Cl. 73—88.

Brost, Alvin O. Pipettes-tobacco packets. 2,991,788, 7–11–61, Cl. 131—3.

Brost, Gene A., F. Krupin, and F. E. Woodward, to General Aniline & Film Corp. Nonionic surfactant-iodine composition. 2,989,434, 6–20–61, Cl. 167—67.

Brothers, William W., Jr., and J. S. Ellard, Jr., to United States of America, Air Force. Shell case ejector chute. 3,011,408, 12–5–61, Cl. 89—33.

Brotherton, Robert J.: *See*—
McCloskey, Allen L., and Brotherton. 2,987,537.
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Brotherton, Robert J., H. Steinberg, and A. L. McCloskey, to United States Borax & Chemical Corp. Method for producing stable materials containing boron-boron bonds. 2,974,165, 3–7–61, Cl. 260—551.

Brotherton, Robert J., and W. G. Woods, to United States Borax & Chemical Corp. Method for preparing organoboron compounds. 3,009,941, 11–21–61, Cl. 260—462.

Brotherton, Thomas K., and J. W. Lynn, to Union Carbide Corp. Aminoalkyl chloroformates. 3,008,978, 11–14–61, Cl. 260—463.

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Broughton, Arthur E. Foam killing spray system for vacuum control assembly. 2,998,845, 9–5–61, Cl. 162—252.

Broughton, Arthur E. Spraying apparatus. 2,998,934. 9–5–61, Cl. 239—521.

Broughton, Carl L.: *See*—
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Broughton, Donald B., and C. G. Gerhold, to Universal Oil Products Co. Continuous sorption process employing fixed bed of sorbent and moving inlets and outlets. 2,985,589, 5–23–61, Cl. 210—34.

Broughton, Sidney H., to Omark Industries, Inc. Stud driving tool. 2,977,598, 4–4–61, Cl. 1—106.

Brouillette, Joseph W., Jr., to General Electric Co. Form recognition method and system therefor. 2,983,822, 5–9–61, Cl. 250—202.

Brouillette, Joseph W., Jr., to General Electric Co. Form recognition method and system. 2,986,643, 5–30–61, Cl. 250—202.

Brouillette, Joseph W., Jr., to General Electric Co. Image recognition method and system. 2,994,779, 8–1–61, Cl. 250—200.

Brouillette, Joseph W., Jr., and C. W. Johnson, to General Electric Co. Electronic curve follower and analog computer. 2,980,332, 4–18–61, Cl. 235—189.

Broun, Thorowgood T., Jr., J. R. Mares, and C. W. Raetzsch, to Pittsburgh Plate Glass Co. Process for manufacturing hydrogen peroxide. 2,993,760, 7–25–61, Cl. 23—207.

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Shiner, Edward A., and Brounstein. 2,999,757.

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Toce, Charles A., and Broussard. 2,980,752.

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Brower, Frank M., to The Dow Chemical Co. Cellular polyalkylene-etherglycol-organic diisocyanate reaction product and method of preparing same. 2,977,330, 3–28–61, Cl. 260—2.5.

Brower, George H., B. P. Hooten, and G. Cooper, to The Bendix Corp. Magnetic clutch. 2,966,976, 1–3–61, Cl. 192—84.

Brower, Stanley N. Archer's arm guard. 3,002,192, 10–3–61, Cl. 2—16.

Brown, Alexander M., to Talon, Inc. Lock slider for slide fasteners. 2,968,079, 1–17–61, Cl. 24—205.14.

Brown, Alexander M., to Talon, Inc. Automatic lock slider for slide fasteners. 2,978,772, 4–11–61, Cl. 24—205.14.

Brown, Alexander M., to Talon, Inc. Reversible automatic lock slider. 3,006,050, 10–31–61, Cl. 24—205.14.
Brown, Alfred W., and R. E. Evans, to Owens-Corning Fiberglas Corp. Production of light polarizing elements. 2,981,980, 5–2–61, Cl. 18—55.
Brown, Alfred W., and J. H. Gibbud, to Owens-Corning Fiberglas Corp. Method for making reinforced resin products. 2,993,235, 7–25–61, Cl. 18—58.3.
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Brown, Calvin F., to United States of America, Navy. Low spin double purpose mercury switch. 3,001,044, 9–19–61, Cl. 200—80.
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Brown, Carl F., Jr., to Wald Industries, Inc. Road striping machine with optical sight. 2,974,875, 3–14–61, Cl. 239—150.
Brown, Carl F., Jr., and R. G. Corbin, to John R. Weld Co., Inc. Coating apparatus. 2,980,057, 4–18–61, Cl. 118—223.
Brown, Carl S., to A. O. Smith Corp. Liquid-gas contact apparatus. 2,967,699, 1–10–61, Cl. 261—114.
Brown, Caroll J., to International Business Machines Corp. Amplitude limiting of binary pulses with zero wander correction. 2,985,839, 5–23–61, Cl. 328—169.
Brown, Charles, to Air Reduction Co., Inc. Method of preparing vinyl esters of carboxylic acids. 2,997,494, 8–22–61, Cl. 260—410.9.
Brown, Charles A., to National Lead Co. Compound angular ejection system. 2,969,569, 1–31–61, Cl. 22—92.
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Brown, Cicero C. Pressure operated dual completion apparatus and method of positioning same in a well bore. 2,972,379, 2–21–61, Cl. 166—46.
Brown, Cicero C. Methods and apparatus for the treatment of wells having multiple formations. 2,973,035, 2–28–61, Cl. 166—46.
Brown, Cicero C. Method of and means for providing well fluids from multiple zones. 2,973,036, 2–28–61, Cl. 166—46.
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Brown, Cicero C., and C. B. Cochran, said Cochran assor. to said Brown. Methods of and apparatus for completing multiple zone wells. 2,991,833, 7–11–61, Cl. 166—46.
Brown, Cicero C., and V. D. Stone; said Stone assor. to said Brown. Bleed-off assembly for well pipes. 2,994,379, 8–1–61, Cl. 166—81.
Brown, Clarence A., to Jones Graphic Products of Ohio, Inc. Light sensitized coating compositions and the production thereof. 3,004,851, 10–17–61, Cl. 96—93.
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Brown, David, to Scientific Design Co., Inc. Purification of phthalic anhydride. 3,011,955, 12–5–61, Cl. 202—53.
Brown, David C., to Sierra Engineering Co. Mold opener. 2,980,951, 4–25–61, Cl. 18—2.
Brown, David G., and H. N. Windbiel. Outboard motor tilt-up rack. 2,977,084, 3–28–61, Cl. 248—351.
Brown, David M., to Rolls-Royce Ltd. Jet propulsion nozzle with noise reducing means. 2,987,879, 6–13–61, Cl. 60—35.6.
Brown, David M., to Rolls-Royce Ltd. Jet propulsion nozzle with noise reducing means. 2,998,092, 8–29–61, Cl. 181—41.
Brown, Dennis D., to Kem Mfg. Co., Inc. Bubble package. 2,975,889, 3–21–61, Cl. 206—45.34.
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Brown, Donald J., to Morehouse Industries, Inc. High production grinding mill. 2,980,353, 4–18–61, Cl. 241—259.
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Brown, Donald L., and D. W. Young, Jr., to Goodyear Aircraft Corp. Electronic scanning antenna. 2,988,741, 6–13–61, Cl. 343—754.
Brown, Donald R., to Western Electric Co., Inc. Air nozzle. 3,009,529, 11–21–61, Cl. 181—33.
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Brown, Edgar D., Jr., to General Electric Co. High temperature lubricant and process of making the same. 2,970,162, 1–31–61, Cl. 260—429.7.
Brown, Edmund. Furniture. 3,002,789, 10–3–61, Cl. 297—462.
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Brown, Edward H., Sr., W. A. Vernon, and E. H. Brown, Jr. Fishing spot marker. 2,977,608, 4–4–61, Cl. 9—8.
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Brown, Gaylord W. Recirculating temperature controlled fluid supply system. 2,994,514, 8–1–61, Cl. 257—287.

Brown, George C., and R. N. Roney, to The Sheffield Corp. Machine device. 2,991,594, 7–11–61, Cl. 51—59.

Brown, George L., and R. W. Percival, to Rohm & Haas Co. Aqueous composition comprising a salt of a maleic anhydride-diisobutylene copolymer, a linear copolymer and a wax. 2,971,934, 2–14–61, Cl. 260—28.5.

Brown, George L., W. W. Toy, and R. E. Zdanowski, to Rohm & Haas Co. Aqueous polymer blend composition. 2,972,592, 2–21–61, Cl. 260—27.

Brown, George P., Jr., and N. W. Franke, to Gulf Research & Development Co. Purification process for obtaining dibasic acids free of metal impurities. 2,980,720, 4–18–61, Cl. 260—452.

Brown, George P., Jr., H. J. Elder, and N. W. Franke, to Gulf Research & Development Co. Process for the purification of nitrogen contaminated alkanedioic acids and esters. 3,006,949, 10–31–61, Cl. 260—485.

Brown, George R., to Minneapolis-Honeywell Regulator Co. Differential pressure responsive apparatus. 2,985,194, 5–23–61, Cl. 137—779.

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Brown, Glenn A. Composition and process for treatment of dutch elm disease. 2,967,377, 1–10–61, Cl. 47—57.5.

Brown, Glenn R., and A. L. Jones, to The Standard Oil Co. High viscosity index, low viscosity, low volatility motor oil. 2,996,455, 8–15–61, Cl. 252—59.

Brown, Gordon C., to Minnesota Mining and Mfg. Co. Container closures and liners therefor. 2,968,415, 1–17–61, Cl. 215—40.

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Brown, Harold P., and J. F. Anderson, to The B. F. Goodrich Co. Laminated compositions and method for their preparation. 2,994,632, 8–1–61, Cl. 154—139.

Brown, Harold W., to Deere & Co. Implement hitch. 3,003,790, 10–10–61, Cl. 280—415.

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Manquen, John W., and Brown. 2,970,951.

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Brown, Herbert C. Simultaneous preparation of organoboron compounds and separation of internal olefins from α-olefins. 2,993,933, 7–25–61, Cl. 260—606.5.

Brown, Herbert C., and P. A. Tierney, Stabilized boron trichloride compositions. 2,988,513, 6–13–61, Cl. 252—182.

Brown, Herbert K., to Brown Engine Products, Inc. Carburetor. 2,969,963, 1–31–61, Cl. 261—4.

Brown, Herman, to A. E. Staley Mfg. Co. Methods and compositions of matter for softening textile fibers, yarns, and fabrics. 3,003,954, 10–10–61, Cl. 252—8.8.

Brown, Horace D., A. R. Matzuk, and L. H. Sarett, to Merck & Co., Inc., N-(5-nitro-2-furoyl)-morpholine. 2,989,530, 6–20–61. Cl. 260—247.7.

Brown, Hugh E., and A. Glaze, to The Tyler-Wayne Research Corp. Woven wire belt for paper making machines. 3,006,384, 10–31–61, Cl. 139—425.

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Brown, Jack T., C. P. Mueller, L. L. France, and A. W. Cochardt, to Westinghouse Electric Corp. Cobalt-nickel base alloy. 2,981,620, 4–25–61, Cl. 75—170.

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Spencer, William H., and Brown. 2,999,278.

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Brown, James W., and E. A. Destremps, to Esso Research and Engineering Co. Method of heat hardening of fluid coke briquettes. 2,979,388, 4–11–61, Cl. 44—16.

Brown, James W., H. E. W. Burnside, and E. A. Destremps, to Esso Research and Engineering Co. Transfer line heater in calcining fluid coke. 2,998,354, 8–29–61, Cl. 202—31.

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Shapiro, Hymin, De Witt, and Brown. 2,987,531.
Shapiro, Hymin, De Witt, and Brown. 2,987,534.

Brown, Jerome E., E. G. De Witt, and H. Shapiro, to Ethyl Corp. Manufacture of cyclopentadienyl manganese compounds. 2,987,528, 6–6–61, Cl. 260—429.

Brown, Jerome E., H. Shapiro, and E. G. De Witt, to Ethyl Corp. Fuel compositions. 3,006,742, 10–31–61, Cl. 44—69.

Brown, Joe R., to Cicero C. Brown. Dual string cross-over tool. 2,975,836, 3–21–61, Cl. 166—189.

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Brown, John F., Jr. to General Electric Co. Dicyclohexyltetrahydroxydisiloxane. 2,992,263, 7–11–61, Cl. 260—448.2.

Brown, John F., Jr., to General Electric Co. Organopolysiloxane composition. 3,000,858, 9–19–61, Cl. 260—46.5.

Brown, John H., Jr., and N. B. Lorette, to The Dow Chemical Co. Esterification process. 2,978,469, 4–4–61, Cl. 260—410.9.

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Brown, John T. L., to Bell Telephone Laboratories, Inc. Electrically controlled switching device. 3,005,072, 10–17–61, Cl. 200—87.

Brown, Johnnie E. Bumblebee amusement device. 3,009,285, 11–21–61, Cl. 46—51.

Brown, Judd A. Method and apparatus for making felts and batts from fibrous material. 2,968,068, 1–17–61, Cl. 19—155.

Brown, Judd A. Apparatus and method for applying and packing fibrous material. 2,989,790, 6–27–61, Cl. 20—101.

Brown, Keevil L. Capless tube nozzle. 3,010,611, 11–28–61, Cl. 222—108.

Brown, Keith B., and D. J. Crouse, Jr., to United States of America, Atomic Energy Commission. Extraction of thorium and uranium values from acid leach liquors. 2,990,244, 6–27–61, Cl. 23—14.5.

Brown, Kenneth E., to Raytheon Co. Stabilized pulse generator circuits. 2,993.175, 7–18–61, Cl.. 328—182.

Brown, Kenneth G. Article dispensing means. 2,990,974, 7–4–61. Cl. 221—103.

Brown, Kenneth M., to Universal Oil Products Co. Waste water treatment. 2,999,808, 9–12–61, Cl. 208—264.

Brown, Kenneth M., and W. K. T. Gleim, to Universal Oil Products Co. Purification of acid oils. 2,976,229, 3–21–61, Cl. 208—2.

Brown, Kenneth N., to Yardney International Corp. Argentous oxide, powder and method for making same. 3,003,935, 10–10–61, Cl. 204—96.

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Brown, Lawrence M. Screw driver with screw holding means. 3,014,513, 12–26–61, Cl. 145—50.

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Brown, Leo C., and D. Rusin, to Swift & Co. Whipped peanut product and method for producing same. 2,976,154, 3–21–61, Cl. 99—128.
Brown, Leon R. Lipstick container and applicator. 2,983,276, 5–9–61, Cl. 132—79.
Brown, Leonard C., to Industrial Nucleonics Corp. Nuclear magnetic resonance measuring system. 2,999,977, 9–12–61, Cl. 324—.5.
Brown, Leslie S., K. A. Ives, and L. H. L'Hollier, to Hook-Brown Co. Heel cup construction for ladies' overshoes. 2,977,691, 4–4–61, Cl. 36—7.3.
Brown-Line Corp.: *See*—
Looker, Robert. 2,978,946.
Prete, Ernest, Jr. 2,998,626.
Brown, Lloyd H.: *See*—
Campbell, William E., Brown, and Antonio. 3,000,718.
Brown, Marie A.: *See*—
Brown, Robert A. 2,970,361.
Brown, Martin J., to Western Electric Co., Inc. Clipper circuit for pulse modulators. 2,967,275, 1–3–61, Cl. 328—67.
Brown, Martin J., and G. W. Humphreys, to Western Electric Co., Inc. Apparatus for identifying metal surfaces. 3,011,120, 11–28–61, Cl. 324—32.
Brown, Michael L.: *See*—
Maeder, Maurice E. 3,006,051.
Brown, Milton G., and R. C. Philippi, to Armstrong Cork Co. Acoustical material. 3,013,626, 12–19–61, Cl. 181—33.
Brown, Milton G., and R. C. Philippi, to Armstrong Cork Co. Method of making acoustical material. 3,013,937, 12–19–61, Cl. 162—194.
Brown, Morden G.: *See*—
Polanyi, Michael L., Johnston, and Brown. 2,969,708.
Brown, Morden G., to American Optical Co. Apparatus for use in analyzing blood. 2,973,580, 3–7–61, Cl. 33—125.
Brown, Morris C.: *See*—
Carlson, Harold A., Highley, and Brown. 3,006,618.
Brown, Morris C., and T. D. Spragle, to ACF Industries, Inc. Carburetor. 2,995,351, 8–8–61, Cl. 261—145.
Brown, Ned C. L., to General Railway Signal Co. Railway switch point bearings. 2,995,324, 8–8–61, Cl. 246—453.
Brown, Neil: *See*—
Beach, Robert G. 2,968,475.
Brown, Neuberne H., Jr., to United States Rubber Co. Cold weather clothing. 2,976,539, 3–28–61, Cl. 2—2.
Brown, Newell H., to United States of America, Navy. Microwave antenna reflector system for scanning by displacement of focal image. 2,975,419, 3–14–61, Cl. 343—754.
Brown, Norris J.: *See*—
Buckner, Wilbur G., and Brown. 3,011,803.
Brown, Northrop, D. L. Funck, and C. E. Schweitzer, to E. I. du Pont de Nemours and Co. Polymerization of alcohol solutions of formaldehyde to produce high molecular weight polyoxymethylene. 3,000,860, 9–19–61, Cl. 260—67.
Brown, Northrop, D. L. Funck, and C. E. Schweitzer, to E. I. du Pont de Nemours and Co. Polymerization of aqueous formaldehyde to produce high molecular weight polyoxymethylene. 3,000,861, 9–19–61, Cl. 260—67.
Brown, Oscar D. Time controlled feed bunker. 2,981,229, 4–25–61, Cl. 119—56.
Brown, Owen. System for high-speed transport. 3,006,288, 10–31–61, Cl. 104—138.
Brown, Ralph B., to Philco Corp. Direct-coupled transistor circuit. 2,967,951, 1–10–61, Cl. 307—88.5.
Brown, Ralph E., to Genisco, Inc. Variable speed transmission. 2,981,119, 4–25–61, Cl. 74—198.
Brown, Raymond L., G. Mott, Jr., and L. J. Smeriglio, to Electrolux Corp. Motor mountings. 2,973,895, 3–7–61, Cl. 230—235.
Brown, Raymond W., to Western Electric Co., Inc. Insulation fault locator. 2,994,820, 8–1–61, Cl. 324—54.
Brown, Raymond W., to Western Electric Co., Inc. Apparatus for sorting resistors and control circuitry. 3,003,630. 10–10–61, Cl. 209—81.
Brown, Reynolds D., Jr., to Philco Corp. Wiring systems comprising, panels, components, and bent lead wires. 3,001,104, 9–19–61, Cl. 317—101.
Brown, Richard A. Closure curtains. 2,967,734, 1–10–61, Cl. 296—143.
Brown, Richard C.: *See*—
Saunders, Orson V., and Brown. 3,006,708.
Brown, Richard C., and R. Smith, to General Motors Corp. Refrigerating apparatus mounting means. 3,006,159, 10–31–61, Cl. 62—295.
Brown, Richard K., to D-Mar Mfg. Co., Inc. Folding bunk seat for boats. 2,993,529, 7–25–61, Cl. 297—65.
Brown, Richard K., to United States of America, Navy. Underwater sound velocity meter. 3,009,104, 11–14–61, Cl. 324—68.
Brown, Richard L.: *See*—
Gogolick, Roland M., Finney, and Brown. 2,968,053.
Brown, Richard L., and E. L. Morrow, to Olin Mathieson Chemical Corp. Breech bolt with extractor and magazine-receiver assembly. 3,014,303, 12–26–61, Cl. 42—25.
Brown, Richard L., E. L. Morrow, and E. S. Vartanian, to Olin Mathieson Chemical Corp. Inertia ejector. 3,014,304, 12–26–61, Cl. 42—25.
Brown, Richard N., to General Electric Co. Electric cooking vessel. 2,987,606, 6–6–61, Cl. 219—44.
Brown, Richard R., to Owens-Illinois Glass Co. Automatic air damper positioner control for fuel fired furnace. 2,998,920, 9–5–61, Cl. 236—15.
Brown, Richard S. Copier. 2,998,763. 9–5–61. Cl. 95—73.
Brown, Robert A., to M. A. Brown. Molding machine. 2,970,361, 2–7–61, Cl. 25—99.
Brown, Robert C. Demountable saw horse. 2,983,329, 5–9–61, Cl. 182—186.
Brown, Robert G., to Cleveland Electro Metals Co. Method and means for alloying molten metals. 2,978,765, 4–11–61, Cl. 22—215.
Brown, Robert G. W., L. P. Farnsworth, G. P. Fulton, P. L. Gagner, and J. M. Tarbox, to United Aircraft Corp. Temperature compensated journal bearing. 2,970,019, 1–31–61, Cl. 308—237.
Brown, Robert G., and J. R. Stuber, to General Motors Corp. Inertial guidance system. 2,996,268, 8–15–61, Cl. 244—14.
Brown, Robert H. Adjustable counterbalance for tail gate. 3,009,732, 11–21–61, Cl. 296—57.
Brown, Robert J. S.: *See*—
Coolidge, John E., and Brown. 3,004,212.
Jones, Stanley B., and Brown. 2,999,204.
Brown, Robert J. S., to California Research Corp. Nuclear magnetism logging method and apparatus. 2,999,203, 9–5–61, Cl. 324—5.
Brown, Robert J. S., and P. S. Jastram, to California Research Corp. Switching circuit. 2,998,565, 8–29–61, Cl. 324—.5.
Brown, Robert L.: *See*—
Balbach, Raymond E., Mancina, and Elms. 2,972,461.
Whyte, George. 2,998,111.
Brown, Robert P., to Poloron Products, Inc. Brazier and grill lifting mechanism therefor. 2,986,137, 5–30–61, Cl. 126—25.
Brown, Robert W., deceased; L. S. Brown, executrix, to Dominic James Federico. Jointing members for concrete sections. 2,983,081, 5–9–61, Cl. 50—346.
Brown, Robert W., to United States Rubber Co. Process of increasing the particle size of synthetic latex by treatment with polyvinyl alcohol and volatile electroyte. 3,004,942, 10–17–61, C. 260—29.7.
Brown, Robert W., and V. S. Chambers, to United States Rubber Co. Synthetic rubber latex. 3,004,943, 10–17–61, Cl. 260—29.7.
Brown, Robinson W., and W. E. Oakey, 60% to V. W. Barge, Jr., and 40% to E. W. Porterfield. Volumetric drum meter. 3,005,343, 10–24–61, Cl. 73—217.
Brown, Roger S., and A. L. Miller, to United States of America, Agriculture. Lickerin and feed roll cover. 2,983,966, 5–16–61, Cl. 19—105.
Brown, Roger W., to Cone Automatic Machine Co., Inc. Stock feed for automatic multiple spindle lathe. 3,009,617, 11–21–61, Cl. 226—155.
Brown, Russell A., to General Electric Co. Static control unit with feedback winding and capacitors. 2,985,766, 5–23–61, Cl. 307—88.
Brown, Russell H., and M. Hamer, to Standard Oil Co. Motor fuel composition. 3,007,782, 11–7–61, Cl. 44—56.
Brown, Sanford W., to North American Aviation, Inc. Indicia-bearing silicone rubber insulated cable. 2,992,292, 7–11–61, Cl. 174—112.
Brown, Shannon W., to Pittsburgh Plate Glass Co. Method for treating cover members for electrolytic cells. 2,993,849, 7–25–61, Cl. 204—98.
Brown & Sharpe Mfg. Co.: *See*—
Charlat, Arnold S. 2,991,666.
Charlat, Arnold S. 2,992,571.
Charlat, Arnold S. 3,003,165.
Hirsch, George B. 2,972,936.
Brown, Steffen S., to The Brown-Brockmeyer Co. Motor bracket and clamp assembly. 2,998,215, 8–29–61, Cl. 248—14.
Brown, Steffen S., to The Brown-Brockmeyer Co. Reversible geared head electric motor and control system therefor. 2,999,920, 9–12–61, Cl. 200—168.
Brown, Steffen S., to The Brown-Brockmeyer Co. Motor drive arrangement for hospital beds and the like. 3,005,999, 10–31–61, Cl. 5—67.
Brown, Stephen S., to Jersey Production Research Co. Fluid sampler and metering device. 2,982,134, 5–2–61, Cl. 73—198.
Brown, Stephen S., to Jersey Production Research Co. Fluid sampler. 2,994,224, 8–1–61, Cl. 73—422.
Brown, Thomas F., to Westinghouse Electric Corp. Enclosed electric switch. 2,989,612, 6–20–61, Cl. 200—168.
Brown, Thomas G., Jr., to International Telephone and Telegraph Corp. Decoder for line printer. 3,013,119, 12–12–61, Cl. 178—25.
Brown, Thomas H., to North American Philips Co., Inc. Inverter and like circuits employing transistors. 3,012,205, 12–5–61, Cl. 331—109.
Brown, Vergil K., Jr. Door brake. 2,979,355, 4–11–61, Cl. 292—76.
Brown, Wallace M., to Pacific Car and Foundry Co. Dual-tire rims. 3,007,741, 11–7–61, Cl. 301—13.
Brown, Walter, to Paramount Textile Machinery Co. Loading mechanism for yarn conditioner. 2,996,200, 8–15–61, Cl. 214—18.

Brown, Walter, and C. R. Scheuring, to Paramount Textile Machinery Co. Yarn moisture conditioning machine. 2,995,828, 8–15–61, Cl. 34—92.

Brown, Warren D.: *See*—
Maas, Leo, Jr., and Brown. 2,968,244.

Brown, Warren D., and S. M. Terry; said Terry assor. to Stubnitz Greene Corp., and said Brown assor. to Chrysler Corp. Resilient seat construction and method. 3,005,213, 10–24–61, Cl. 5—354.

Brown, Whitney A.: *See*—
Hall, Harry H., and Brown. 2,969,440.

Brown, Wilbur F., P. L. Sellers, and J. J. Jarosi, to Libbey-Owens-Ford Glass Co. Removal of surface imperfections from bent glass sheets. 3,012,384, 12–12–61, Cl. 51—283.

Brown, Wilbur M., to W. A. Sheaffer Pen Co. Method of and apparatus for assembling ball point writing tips. 3,009,240, 11–21–61, Cl. 29—441.

Brown, William. Venetian blind. 2,979,127, 4–11–61, Cl. 160—115.

Brown, William C., to National Research Council. Sine/cosine potentiometer. 2,979,681, 4–11–61, Cl. 338—89.

Brown, William C., to Raytheon Co. Electron discharge devices of the magnetron type. 2,984,764, 5–16–61, Cl. 315—39.69.

Brown, William C., and E. C. Dench, to Raytheon Co. Electronic discharge devices of the magnetron type. 2,977,502, 3–28–61, Cl. 315—39.3.

Brown, William D. Trenching machine. 2,990,631, 7–4–61, Cl. 37—86.

Brown, William D., and T. W. Waller, to El Dorado Poultry By-Products Co. Method of and apparatus for handling raw materials in the production of hydrolyzed feather meal and other poultry by-product meal. 2,975,055, 3–14–61, Cl. 99—7.

Brown, William E.: *See*—
Fulton, James M., and Brown. 3,014,871.

Brown, William E., to General Motors Corp. Terminal connection. 3,001,006, 9–19–61, Cl. 174—153.

Brown, William E., and A. J. Foley, to Thermon Mfg. Co. Applicator device. 2,982, 992, 5–9–61, Cl. 18—3.5.

Browne, Adrian A. L.: *See*—
Jones, Spencer S. D., Gent, and Browne. 2,986,734.

Browne, Charles M.: *See*—
Bolcey, James L., and Browne. 2,995,461.

Browne, Charles M., to Libbey-Owens-Ford Glass Co. Electroluminescent lamp. 2,967,964, 1–10–61, Cl. 313—108.

Browne, Charles M., to Libbey-Owens-Ford Glass Co. Electrically conducting glass unit. 2,982,934, 5–2–61, Cl. 338—323.

Browne, Charles M., to Libbey-Owens-Ford Glass Co. Electrically conducting unit. 3,012,924, 12–12–61, Cl. 156—89.

Browne, Donald W., to Acra Electric Corp. Heater band. 2,976,387, 3–21–61, Cl. 219—19.

Browne, Edwin C., and C. R. Sofield, to American Cyanamid Co. Apparatus and method of controlling foam. 2,981,693, 4–25–61, Cl. 252—321.

Browne, Kenneth A., and G. J. Sennhauser, to The Chesapeake and Ohio Railway Co. Railway brake mechanism. 2,969,129, 1–24–61, Cl. 188—33.

Browne, Kenneth A., and J. F. Norton, to The Chesapeake and Ohio Railway Co. Train inspection apparatus. 2,993,199, 7–18–61, Cl. 340—213.

Browne, Lindsay H. Valve. 2,977,974, 4–4–61, Cl. 137—243.

Browne, Paul W., 51% to himself and J. C. Andras, and 49% to L. Martin, and F. A. Thomas, jointly. Bottle and can lifter. 2,989,334, 6–20–61, Cl. 294—19.

Browne, Paul W., 51% to himself and J. C. Andras, jointly and 49% to L. Martin, and F. A. Thomas, jointly. Tractor driven air compressor. 2,991,925, 7–11–61, Cl. 230—38.

Browne, Paul W., 51% to himself and J. C. Andras, jointly, and 49% to L. Martin and F. A. Thomas. Fencing tool for unrolling barbed wire. 3,009,667, 11–21–61, Cl. 242—94.

Brownell, John R., to Turbo Machine Co. Apparatus for setting textile fibers. 3,011,327, 12–5–61, Cl. 68—5.

Browner, William J., to Relaxacizor, Inc. Device for electrical stimulation of muscles. 2,995,132, 8–8–61, Cl. 128—410.

Browning, Edgar P., to Deere & Co. Power take-off. 3,002,393, 10–3–61, Cl. 74—11.

Browning, Frank A. Lock. 2,995,394, 8–8–61, Cl. 292—159.

Browning, Frank A. Lock. 2,995,395, 8–8–61, Cl. 292—169.

Browning, James A., to G. H. Tennant Co. Method and apparatus for impacting a stream at high velocity against a surface to be treated. 2,990,653, 7–4–61, Cl. 51—8.

Browning, James H.: *See*—
Thomas, Henry A., and Browning. 2,971,217.

Browning, Johnny W. Automatic irrigation dam. 2,991,626, 7–11–61, Cl. 61—29.

Browning, Lewis M., Jr., and R. R. Halik, to Socony Mobil Oil Co., Inc. Method for contacting fluids with solid contact materials. 3,002,805, 10–3–61, Cl. 23—1.

Browning, Myron E., and C. J. Kastrop, to General Dynamics Corp. (Convair Division). Leak detector fluid. 3,006,861, 10–31–61, Cl. 252—408.

Browning, Robert S.: *See*—
Auerbach, Morris E., and Browning. 2,979,468.

Browning, Wayne F., Jr.: *See*—
Pendergrast, John B., Jr., and Browning. 2,988,233.

Browning, Wayne F., Jr., to Southern Spring Bed Co. Display rack. 2,994,441, 8–1–61, Cl. 211—177.

Brownlee, Allen L., G. A. Guernsey, and S. K. Smart, to Globe-Union Inc. Crankcase type magneto. 2,996,560, 8–15–61, Cl. 123—149.

Brownlee, Hugh M.: *See*—
Van Slyck, Bert R., and Brownlee. 2,993,517.

Brownlee, Kenneth H., to The Meyercord Co. Application of transfers to articles. 2,988,834, 6–20–61, Cl. 40—2.2.

Brownlee, Kenneth H., to The Meyercord Co. Machine for applying transfers. 3,001,310, 9–26–61, Cl. 156—361.

Brownlee, Robert L., and N. F. Swanson. Riding supports for mowers and the like. 3,008,282, 11–14–61, Cl. 56—25.4.

Brownlee, William R. Measuring and controlling apparatus. 2,999,638, 9–12–61, Cl. 235—185.

Brownlow, James M., to International Business Machines Corp. Ferrite composition containing titanium and nickel. 2,982,732, 5–2–61, Cl. 252—62.5.

Brownlow, James M., to International Business Machines Corp. Low flux density ferromagnetic material. 2,986,522, 5–30–61, Cl. 252—62.5.

Brownlow, James M., to International Business Machines Corp. Manganese-zinc ferrite. 2,987,481, 6–6–61, Cl. 252—62.5.

Brownlow, James M., and E. C. Schuenzel, to International Business Machines Corp. Multi-material ferrite cores. 2,982,948, 5–2–61, Cl. 340—174.

Brownyer, Nelson R., to Rockwell-Standard Corp. Differential clutch mechanism. 2,997,897, 8–29–61, Cl. 74—711.

Broxholme, Robert L.: *See*—
McAlister, Edgar O., Broxholme, and Myers. 2,988,691.

Broxon, Errett C., to The Baldwin Piano Co. Analog-to-digital encoder. 2,981,844, 4–25–61, Cl. 250—219.

Broyer, Alfred P., to Bell Telephone Laboratories, Inc. Equipment for automatically producing printed inductor photographic masters. 3,004,469, 10–17–61, Cl. 88—24.

Broyles, Margaret H., and R. E. Gibson, to Eastman Kodak Co. Polyethylene containing higher alkyl imidazoline and lactate derivatives. 2,992,205, 7–11–61, Cl. 260—45.8.

Broyles, Otis T.: *See*—
Taylor, William B., and Broyles. 3,009,518.

Brozowski, Vincent: *See*—
Carr, Norman L., and Brozowski. 2,968,631.
Carr, Norman L., and Brozowski. 3,013,980.

Brubaker, Ammon M., and J. R. Wiley, to Whitmoyer Laboratories, Inc. Poultry blackhead control composition and method of using same. 2,995,490, 8–8–61, Cl. 167—53.1.

Brubaker, James F., and R. S. Gaugler, to General Motors Corp. Refrigerating apparatus. 2,994,205, 8–1–61, Cl. 62—132.

Brubaker, Wilson M., and C. F. Robinson, to Consolidated Electrodynamics Corp. Mass spectrometer. 2,975,278, 3–14–61, Cl. 250—41.9.

Brubaker, Wilson M., L. G. Hall, and J. E. Slay, to Consolidated Electrodynamics Corp. Mass spectrometer. 3,010,017, 11–21–61, Cl. 250—41.9.

Bruce, Charles A., to E. L. Bruce Co. Nailing device. 3,010,496, 11–28–61, Cl. 145—46.

Bruce, E. L., Co.: *See*—
Bruce, Charles A. 3,010,496.

Bruce, Edmond, to Bell Telephone Laboratories, Inc. Light pulse generator. 2,970,310, 1–31–61, Cl. 340—366.

Bruce, Edmond, W. A. Keenstra, and W. J. Ritchie, to Bell Telephone Laboratories, Inc. Two-stage line concentrator system. 2,976,367, 3–21–61, Cl. 179—18.

Bruce, Frank: *See*—
Kummerlowe, Carl K., and Batie. 2,990,694.

Bruce, John A., to Consumer Protection, Inc. Method of packaging. 2,996,180, 8–15–61, Cl. 206—65.

Bruce, John M., Jr.: *See*—
Anderson, Arthur W., Bruce, Merckling, and Truett. 3,012,023.

Bruce, John M., Jr., to E. I. du Pont de Nemours and Co. Olefin polymerization catalyst. 2,992,190, 7–11–61, Cl. 252—429.

Bruce, John P., and J. R. Boudreaux, to The Dow Chemical Co. Method of hydraulic transmission of power. 3,003,968, 10–10–61, Cl. 252—79.

Bruce, Lawrence Richard, Inc.: *See*—
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Bruce, Oplus C., to Princeton Hosiery Mills, Inc. Yarn guiding apparatus for circular knitting machines. 2,988,907, 6–20–61, Cl. 66—136.

Bruce, Robert A., to Barker Equipment Co. Interlocking bottle case. 2,993,615, 7–25–61, Cl. 220—19.

Bruce, Robert A., to Barker Equipment Co. Wire case construction. 3,014,612, 12–26–61, Cl. 220—19.

Bruce, Willis N., to L. Ratner. Insecticidal repellent. 2,967,798, 1–10–61, Cl. 167—22.

Bruce, Willis N., to L. Ratner. Insecticidal repellent. 2,971,881, 2–14–61, Cl. 167—22.

Bruce, Willis N., to L. Ratner. Insecticidal repellent. 2,981,654, 4–25–61, Cl. 167—22.

Bruce, Willis N., to L. Ratner. Fly repellent. 2,991,219, 7–4–61, Cl. 167—22.

Bruce, Willis N., to L. Ratner. Insecticidal repellent. 2,991,220, 7–4–61, Cl. 167—22.

Bruch, Walter, to Telefunken G.m.b.H. Channel switching tuner. 2,977,469, 3–28–61, Cl. 250—40.

Bruck, George, to Avco Corp. Elevation angle measuring system. 2,977,592, 3–28–61, Cl. 343—108.

Bruck, George, to Avco Mfg. Corp. Low noise radio frequency amplifier. 3,001,143, 9–19–61, Cl. 330—7.

Bruck, George, to Avco Corp. Electronic timer. 3,005,161, 10–17–61, Cl. 328—129.
Bruck, George, to Avco Corp. Thermoelectric generator. 3,005,860, 10–24–61, Cl. 136—4.
Bruck, George, to Avco Corp. Signal generator system. 3,005,959, 10–24–61, Cl. 331—11.
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Harz, Walter, and Bruck. 2,978,414.
Bruck, Stephen D., to E. I. du Pont de Nemours and Co. Preparation of polyoxamides with trioxides and trihalides of As, Sb and Bi as catalysts. 2,977,340, 3–28–61, Cl. 260—78.
Brucken, Byron L.: *See*—
Sisson, Kenneth O., and Brucken. 3,006,216.
Brucken, Byron L., to General Motors Corp. Liquid detergent dispenser for washing apparatus. 2,974,832, 3–14–61, Cl. 222—173.
Brucken, Byron L., to General Motors Corp. Laundry appliance. 2,986,914, 6–6–61, Cl. 68—12.
Brucken, Byron L., and G. B. Long, to General Motors Corp. Garbage grinder. 2,978,190, 4–4–61, Cl. 241—46.
Brucker, Milton, to Zenith Plastics Co. Apparatus for metal spray molds. 2,982,996, 5–9–61, Cl. 18—35.
Bruckner, Ernst, to Gebr. Netzsch Maschienenfabrik. Texture destroying arrangement for worm presses. 3,002,227, 10–3–61, Cl. 18—12.
Bruderlein, Ernst J., and W. H. Rohr, to Beteiligungs-und Patentverwaltungsgesellschaft mit beschrankter Haftung. Resonant oscillatory screening device. 2,980,254, 4–18–61, Cl. 209—339.
Brudi, Ronald A., and W. A. Millious, to Clark Equipment Co. Clamp attachment for lift trucks. 3,008,597, 11–14–61, Cl. 214—654.
Brudney, Harry, to Dollac Corp. Machine for inserting doll eyes in doll heads. 3,012,312, 12–12–61, Cl. 29—209.
Brudney, Norman, to Frank W. Horner Ltd. Debittering anion-exchange resin particle surfaces of penicillin anions, and tasteless resin particles of penicillin. 2,987,441, 6–6–61, Cl. 167—65.
Bruecker, George B. Silo unloading machines. 2,988,238, 6–13–61, Cl. 214—17.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Brakes for automobile vehicles. 2,966,964, 1–3–61, Cl. 188—73.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Brake control device for automotive vehicles. 2,976,084, 3–21–61, Cl. 303—6.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Two-stroke engines. 2,988,070, 6–13–61, Cl. 123—59.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Motor vehicle bodies. 2,988,397, 6–13–61, Cl. 296—28.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Pressure reducing device for hydraulic servomechanisms. 3,000,356, 9–19–61, Cl. 121—38.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Combined clutch and transmission control mechanism. 3,003,604, 10–10–61, Cl. 192—3.5.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Vehicle suspension control systems. 3,003,783, 10–10–61, Cl. 280—124.
Brueder, Antoine, to Societe Anonyme Andre Citroen. Combined control means in respect of the starting and the gear changing operations of motor vehicles. 3,009,066, 11–14–61, Cl. 290—36.
Brueggeman, Leo J., D. H. Fischer, J. J. Bondra, and R. M. Canzoneri, to Giannini Controls Corp. Acceleration integrator. 2,974,529, 3–14–61, Cl. 73—503.
Bruene, Warren B., to Collins Radio Co. Linear low-input R.F. impedance amplifier. 2,980,862, 4–18–61, Cl. 330—76.
Brueschweiler, Hans, and P. Zuppinger, to Ciba Ltd. Hardenable compositions comprising epoxide compounds and tetrahydrofurane. 3,004,931, 10–17–61, Cl. 260—2.
Brueschweiler, Hans, and P. Zuppinger, to Ciba Ltd. Hardenable compositions comprising epoxide compounds and boron trifluorides. 3,004,952, 10–17–61, Cl. 260—47.
Bruestle, Carl O., to Syncro Machine Co. Distributor drive. 2,970,486, 2–7–61, Cl. 74—59.
Bruestle, Carl O., to Syncro Machine Co. Cradle assembly for stranding machine. 2,972,854, 2–28–61, Cl. 57—65.
Bruestle, Carl O., to Syncro Machine Co. Continuous coiler. 2,991,956, 7–11–61, Cl. 242—82.
Bruestle, Carl O., to Syncro Machine Co. Storage type wire drawing machine. 2,996,170, 8–15–61, Cl. 205—14.
Bruestle, Carl O., to Syncro Machine Co. Container for coils of wire. 3,014,577, 12–26–61, Cl. 206—52.
Bruet, Henri R., ½ to Etablissements A. Cazeneuve. Governing means for traveling members in a machine tool. 2,994,305, 8–1–61, Cl. 121—45.
Bruet, Henri R., to Etablissements A. Cazeneuve. Drilling and the like arrangement fitted on a lathe tailstock. 2,999,404, 9–12–61, Cl. 77—34.6.
Bruet, Henri R., ½ to Etablissements A. Cozeneuve. Fluid controlled variable speed belt transmission. 3,014,378, 12–26–61, Cl. 74—230.17.
Brugger, Hans, to I-T-E Circuit Breaker Co. Electromagnetic clutch laminations and method of manufacture therefor. 2,992,716, 7–18–61, Cl. 192—107.
Brugger, Kenneth C., to Coopers, Inc. Packaging machine. 3,011,295, 12–5–61, Cl. 53—124.
Brugger, Wilhelm, to Th. Goldschmidt A.G. Manufacture of zirconium oxide. 3,000,703, 9–19–61, Cl. 23—140.
Brugler, Richard L., to Chrysler Corp. Air outlet grille. 2,976,795, 3–28–61, Cl. 98—40.
Brugmann, William H., Jr., and H. L. Yowell, to Standard Oil Development Co. Method for desuckering tobacco. 3,006,751, 10–31–61, Cl. 71—2.7.
Bruhn, Max, Jr.: *See*—
Markley, Vern C., Jr., and Bruhn. 2,988,931.
Bruijning, Bernard H.: *See*—
Beukema, Willem, Bruijning, and Vuurmans. 2,999,302.
Bruin, Pieter, G. W. van Raamsdonk, G. E. Rumscheidt, and C. Ruinard, to Shell Oil Co. Vinyl chloride polymer compositions having improved impact strength. 3,014,882, 12–26–61, Cl. 260—23.
Bruinsma, Norman G.: *See*—
Dermond, Lawrence C., and Bruinsma. 3,013,544.
Bruk, Arnestad: *See*—
Haaland Roald. 2,973,026.
Brukner, Clayton J. Lock proof two position spool valve. 3,000,399, 9–19–61, Cl. 137—625.48.
Brukner, John S.: *See*—
Weiss, Walter J., Walker, and Brukner. 2,969,322.
Weiss, Walter J., Walker, and Brukner. 2,975,127.
Brukner, John S., to Texaco Inc. Drilling fluid. 2,973,320, 2–28–61, Cl. 252—8.5.
Brulat, Aime: *See*—
Vaganay, Jean, Brulat, Regnault, Boileau, and Wevert. 3,014,942.
Bruma, Marc, to Centre National de La Recherche Scientifique. Machining devices making use of intermittent electrical discharges. 2,980,787, 4–18–61, Cl. 219—69.
Bruma, Marc, and M. Magat, to Centre National de la Recherche Scientifique. Machining systems making use of intermittent electrical discharges. 2,969,482, 1–24–61, Cl. 315—207.
Brumbach, Robert E., to Samuel Moore & Co. Extruded tubing. 2,971,538, 2–14–61, Cl. 138—49.
Brumbaugh, Andrew K., deceased, by L. B. Brumbaugh, executrix, to Socony Mobil Oil Co., Inc. Modified spherical reactor. 2,996,361, 8–15–61, Cl. 23—288.
Brumbaugh, Andrew K., deceased (by L. B. Brumbaugh, executrix), E. R. Sliwinski, and A. W. Zeuthen, to Socony Mobil Oil Co., Inc. Bottom-supported liner. 3,008,811, 11–14–61, Cl. 23—289.
Brumbaugh, Chester C., and J. E. Venable, to Diamond Alkali Co. Apparatus for handling and storage of slurries. 2,987,380, 6–6–61, Cl. 23—272.
Brumbaugh, Donald Q. Sensitive relay for mine firing system. 2,968,241, 1–17–61, Cl. 102—18.
Brumbaugh, Eugene S. Electric iron. 2,970,394, 2–7–61, Cl. 38—77.
Brumbaugh, Isaac V. Universal gas valve. 3,001,547, 9–26–61, Cl. 137—614.17.
Brumbaugh, Lyla B.: *See*—
Brumbaugh, Andrew K. 2,996,361.
Brumbaugh, Andrew K., Sliwinski, and Zeuthen. 3,008,811.
Brumbaugh, Robert M., and W. J. Cheney, to Ampex Corp. Magnetic tape apparatus. 3,002,671, 10–3–61, Cl. 226—176.
Brumfield, Richard S., and W. R. Ferguson. Surgical splint and bandage. 2,980,110, 4–18–61, Cl. 128—87.
Brumley, Corwin H., and J. A. Clark, to Bausch & Lomb Optical Co. Projection apparatus. 2,979,987, 4–18–61, Cl. 88—28.
Brümmer, Friedrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Method and apparatus for a continuous production of plastic-foil articles in deep drawing. 3,007,201, 11–7–61, Cl. 18—19.
Brun, Joseph: *See*—
Dufresse, Georges. 2,995,066.
Brun, Pierre C. E., to Societe Poitevine de Conditionnement (Societe Anonyme). Combination package and diffusion device. 2,979,268, 4–11–61, Cl. 239—55.
Brundage, Clinton F., to Minnesota Mining and Mfg. Co. Developing apparatus. 2,989,912, 6–27–61, Cl. 95—89.
Brundage Co.: *See*—
Austin, Harold A., and Waldo. 2,996,788.
Brundage, Horace W.: *See*—
Belicka, Michael E., Brundage, and Cawl. 2,998,615.
Brundage, Robert W. Variable delivery hydraulic pump or motor. 3,007,418, 11–7–61, Cl. 103—126.
Brundage, Robert W. Hydraulic pump or motor. 3,011,447, 12–5–61, Cl. 103—120.
Brundige, William L., and R. M. Kane, to Westinghouse Electric Corp. Filament support for an electric lamp or similar device. 2,980,820, 4–18–61, Cl. 313—279.
Bruner Corp.: *See*—
Rudelick, John. 2,988,107.
Rudelick, John. 2,989,988.
Bruner, Reuben G. Pick-ups for harvesters. 2,994,177, 8–1–61, Cl. 56—327.
Brunet, Louis, and L. Chappet. Detachable linkage having coil springs with integral link-connecting arms. 2,987,872, 6–13–61, Cl. 59—79.
Bru-Net Mills, Inc.: *See*—
Brunetto, Samuel. 3,014,221.
Brunetto, Samuel, to Bru-Net Mills, Inc. Article of rainwear. 3,014,221, 12–26–61, Cl. 2—205.
Brunhuber, Emil, and E. Wolberg; said Brunhuber assor. to said Wolberg. Corporate seal. 2,982,202, 5–2–61, Cl. 101—3.
Bruni, George J., to Celanese Corp. of America. High molecular weight polymer and process therefor. 2,989,510, 6–20–61, Cl. 260—67.

Brunicardi, Daniel, to Comar Electric Co. Relay structure. 3,006,071, 10–17–61, Cl. 200—87.

Bruning, Charles, Co., Inc.: *See*—
Hruby, Joseph, Streich, and Tregay. 2,981,171.
Miles, John R. 2,986,972.
Streich, Paul B., Sr. 3,003,462.
Tregay, John L., and Schulze. 2,980,834.

Bruningbaus, Paul, to Rheinische Werkzeug-und Metallwarenfabrik G.m.b.H. Multi-story sifting device and method. 2,984,356, 5–16–61, Cl. 209—319.

Brüninghaus, Paul, to "Rhewum" Rheinische Werkzeug-und Metallwarenfabrik. Process and device for screening and filtering moist goods. 2,984,622, 5–16–61, Cl. 210—19.

Brunings, Karl J.: *See*—
Bayley, Abraham, Brunings, Knuth, and Timreck. 2,993,021.

Brunk, Herman W.: *See*—
Clune, John W., Brunk, and Murray. 3,005,568.

Brunnberg, Bernt, to Nitroglycerin Aktiebolaget. Manufacture of nitric acid esters of aliphatic alcohols. 3,009,944, 11–21–61, Cl. 260—467.

Brunner, Alfred F., to Gebruder Sulzer, Aktiengesellschaft. Forced flow steam or vapor generating plant. 2,985,150, 5–23–61, Cl. 122—406.

Brunner, Ernest: *See*—
Nicklin, Thomas, Sommerville, Brunner, and Isherwood. 2,997,439.

Brünner, Helmut: *See*—
Kibisch, Gerhard, Gross, and Brünner. 2,990,238.

Brunner, Richard J., to General Motors Corp. Anti-stall device. 2,985,196, 5–23–61, Cl. 137—790.

Brunner, Roger: *See*—
Krassolevitch, Andre, and Brunner. 2,976,470.

Bruno, Russell J. Muffler. 3,000,465, 9–19–61, Cl. 181—64.

Brunot, Jean-Paul, to Compagnie de Pont-A-Mousson. Gear box control mechanism. 2,997,892, 8–29–61, Cl. 74—472.

Brunot, Jean-Paul, to Compagnie de Pont-A-Mousson. Gear box and control device therefor. 3,008,342, 11–14–61, Cl. 74—473.

Brunow, Charles L., A. L. Dunn, and R. R. Pitts, to Temco Electronics & Missiles Co. Launching device. 3,008,376, 11–14–61, Cl. 89—1.5.

Bruns, Raphael H.: *See*—
Lee, George S. 2,991,819.

Bruns, Thomas C., to Brunspile Corp. Sectional piles. 2,983,104, 5–9–61, Cl. 61—56.

Brunsing, Rex L., and W. A. Webb, to Western Vegetable Industries, Inc. Method of cooling fruit and vegetable products. 3,008,838, 11–14–61, Cl. 99—193.

Brunsing, Rex L., and W. A. Webb, to Western Vegetable Industries, Inc. Method for preparing bulbous produce articles for shipment. 3,008,839, 11–14–61, Cl. 99—193.

Brunskill, Robert T.: *See*—
Hartley, Gilbert S., Brunskill, and Pfeiffer. 2,979,075.

Brunson, Bruce W., to Werner Machinery Co. Vacuum operating mechanism for a pumping and releasing system. 3,008,450, 11–14–61, Cl. 119—14.5.

Brunson, Glenn S., Jr., to United States of America, Atomic Energy Commission. Two-speed device. 2,977,814, 4–4–61, Cl. 74—424.8.

Brunson, Herman A. Chance controlled ticket dispensing machine. 3,011,790, 12–5–61, Cl. 273—143.

Brunson, Ralph A., to Boeing Airplane Co. Transistorized inverters. 3,014,172, 12–19–61, Cl. 321—27.

Brunson, Thayer R., and H. G. Davis, to Rocky Mountain Metal Products Co. Electrolytic polishing apparatus. 2,973,311, 2–28–61, Cl. 204—194.

Brunspile Corp.: *See*—
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Brunsviga Maschinenwerke AG.: *See*—
Menge, Eberhard. 3,003,688.

Brunswick Automatic Pinsetter Corp., The: *See*—
Albrecht, Alexander J. 3,015,049.
Albrecht, Alexander J., and Riedl. 2,979,333.
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Hedenskoog, Ernest, Norberg, and Johnson. 2,991,078.
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Brunswick-Balke-Callender Co., The: *See*—
Strickland, Edward T., Amos, and Glass. 2,975,987.

Brunswick Corp.: *See*—
Arbour, Foy A. 2,980,151.
Lappin, Richard J., and Mohr. 2,999,662.
La Vigne, Eugene E. 2,971,807.
La Vigne, Eugene E. 3,003,648.
Roehr, Zbislaw M., Higgins, Trapper, and Schildbach. 3,008,570.
Strickland, Edward T. 2,995,875.
Strickland, Edward T., and Amos. 2,995,874.
Wurn, Isadore T. 2,983,968.

Brunswick, Lawrence F.: *See*—
Leighton, Thomas C., Brunswick, and Wheeler. 2,982,173.

Brunswick Sports Products Co.: *See*—
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Bruntjen, Hans W., to Carnation Co. Bulk beverage aerating and dispensing machine. 3,013,774, 12–19–61, Cl. 259—44.

Bruntjen, Hans W., to Carnation Co. Bulk beverage aerating and dispensing machine. 3,013,775, 12–19–61, Cl. 259—44.

Brunton, Donald C., to The Pendennis Co. Ltd. Thermal covering for roofs. 3,001,331, 9–26–61, Cl. 50—192.

Brush Beryllium Co., The: *See*—
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Bruson, Herman A.: *See*—
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Cooley, Robert A., and Bruson. 2,982,638.

Bruson, Herman A., and T. P. O'Day, to Olin Mathieson Chemical Corp. Polyoxyalkylene ether surface-active compositions. 2,979,533, 4–11–61, Cl. 260—613.

Bruson, Herman A., and D. W. Kaiser, to Olin Mathieson Chemical Corp. Purification of alkylene oxides with permanganate salts. 2,993,059, 7–18–61, Cl. 260—348.

Bruson, Herman A., and T. P. O'Day, to Olin Mathieson Chemical Corp. Surface-active basic polyethers. 2,998,452, 8–29–61, Cl. 260—570.9.

Bruson, Herman A., and J. J. Hewitt, to Olin Mathieson Chemical Corp. Process for preparing pentaerythritol. 2,998,458, 8–29–61, Cl. 260—635.

Bruson, Herman A., and T. P. O'Day, to Olin Mathieson Chemical Corp. Substituted dichlorocyclopropanes. 3,012,079, 12–5–61, Cl. 260—648.

Brussock, John E.: *See*—
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Brust, Harry F., to The Dow Chemical Co. Phosphoroamidothioates. 2,971,976, 2–14–61, Cl. 260—461.

Brust, Louis W. Automatic line-retrieving device. 3,012,736, 12–12–61, Cl. 242—107.5.

Bruton, James D., W. F. Gresham, and J. L. McPherson, to E. I. du Pont de Nemours and Co. Process of copolymerizing aromatic dienes and monoolefins with catalyst of metal halide and organometal compound. 2,989,515, 6–20–61, Cl. 260—88.2.

Brutscher, Rufus A., Jr.: *See*—
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Brutscher, Rufus A., Sr. and R. A. Brutscher, Jr. Hoist leveling device for removing and reinstalling engines and the like. 2,989,287, 6–20–61, Cl. 254—167.

Bruun, Otto J. Protective hoods or capsules for bottle tops. 3,009,593, 11–21–61, Cl. 215—38.

Bruvold, Chester A. Catamaran. 2,968,271, 1–17–61, Cl. 114—61.

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Bryan, Floyd E., W. D. Mitchell, and O. A. Wheelon, to Douglas Aircraft Co., Inc. Press for hot forming metal. 3,007,427, 11–7–61, Cl. 113—44.

Bryan, Ford R., to Ford Motor Co. Metallic tracer method for determining lubricant in engine exhaust. 2,999,383, 9–12–61, Cl. 73—116.

Bryan, George J., and E. E. Kilmer, to United States of America, Navy. Apparatus for applying reference grid lines to unexposed photographic film. 2,991,705, 7–11–61, Cl. 95—77.5.

Bryan, George W., Jr. Sound powered radio transmitter. 2,981,833, 4–25–61, Cl. 250—17.

Bryan, Gibson S. Brake fluid indicator. 2,973,415, 2–28–61, Cl. 200—84.

Bryan, Harold E. Duplexer. 2,984,798, 5–16–61, Cl. 333—9.

Bryan, James D., to Aircraft Armaments, Inc. Radar navigation beacon. 2,971,188, 2–7–61, Cl. 343—6.8.

Bryan, Paul J., to E. I. du Pont de Nemours and Co. Jet perforators. 2,974,589, 3–14–61, Cl. 102—20.

Bryan, Robert G., and C. J. Geiser, to Republic Flow Meters Co. Fluid distribution control system. 2,973,194, 2–28–61, Cl. 266—30.

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Bryant, Alwin L., and D. S. Mills, to General Motors Corp. Method of manufacturing hollow piston cores. 2,991,521, 7–11–61, Cl. 22—193.

Bryant, Andrew J. Vacuum chuck. 3,004,766, 10–17–61, Cl. 279—3.

Bryant, Austin U., to Grove Valve and Regulator Co. Fabricated valve body construction. 2,982,514, 5–2–61, Cl. 251—329.

Bryant, Austin U., to Grove Valve and Regulator Co. Fluid pressure regulator. 2,984,252, 5–16–61, Cl. 137—116.5.

Bryant, Austin U., to Grove Valve and Regulator Co. Method for the manufacture of valves. 3,000,083, 9–19–61, Cl. 29—157.1.

Bryant, Austin U., to Grove Valve and Regulator Co. Valve construction. 3,000,609, 9–19–61, Cl. 251—306.

Bryant, Austin U., to Grove Valve & Regulator Co. Valve construction. 3,000,610, 9–19–61, Cl. 251—327.

Bryant, Benjamin S. Corrugated wood laminate and process. 3,003,204, 10–10–61, Cl. 20—91.

Bryant, Burl E., G. B. Truchelut, and H. R. Hudgins, to The Dow Chemical Co. Urea-ethylene dibromide adducts. 2,991,221, 7–4–61, Cl. 167—22.

Bryant Chucking Grinder Co.: *See*—
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Terp, Charles J. 2,981,037.

Bryant Electric Co., The: *See*—
Anderson, Gunnar E. 2,997,685.
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Kinsman, Russell C. 2,997,520.
Kinsman, Russell C. 2,997,551.
Lennox, George C. 2,977,563.
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Lennox, George C. 3,002,172.
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Bryant, Eugene E., and C. J. Reiff, to Ferro Corp. Protective coatings for combustion engine exhaust systems. 2,975,072, 3–14–61, Cl. 117—65.

Bryant, Herbert W., H. G. Jordan, and G. C. Porter, to Bell Telephone Laboratories, Inc. Telephone substation apparatus. 2,972,021, 2–14–61, Cl. 179—100.

Bryant, Jack M.: *See*—
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Bryant, Jay C.: *See*—
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Bryant, John M.: *See*—
Cunningham, George L., Bryant, and Gause. 2,968,523.
Cunningham, George L., Bryant, and Gause. 2,968,532.

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Bryant, William C., and H. P. Sherman; said Bryant assor. to said Sherman. Printing by diazotization. 3,000,298, 9–19–61, Cl. 101—129.

Bryden, Charles B. Portable and collapsible water heater. 2,989,959, 6–27–61, Cl. 126—344.

Brydolf, Robert, to M & H Industries. Concealed door hinge. 3,006,039, 10–31–61, Cl. 20—16.

Brydon, Loy B.: *See*—
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Bryner, Joseph S., to United States of America, Atomic Energy Commission. Thorium dispersion in bismuth. 2,991,237, 7–4–61, Cl. 204—154.2.

Brynes, Richard J., to Cutler-Hammer, Inc. Indicating systems. 3,011,162, 11–28–61, Cl. 340—248.

Brynko, Carl, to The National Cash Register Co. Oil containing capsules and method of making them. 2,969,330, 1–24–61, Cl. 252—316.

Brynko, Carl, and J. A. Scarpelli, to The National Cash Register Co. Process of making dual-walled oil containing capsules. 2,969,331, 1–24–61, Cl. 252—316.

Bryson, Henry S.: *See*—
Bryson, John H. 2,997,019.

Bryson, John H., to H. S. Bryson. Cat's claw filing post. 2,997,019, 8–22–61, Cl. 119—1.

Bryson, Robert G. Testing apparatus. 2,996,132, 8–15–61, Cl. 177—3.

Brysson, Ralph J., and W. A. Reeves, to United States of America, Agriculture. Metallic selenide fungicides for outdoor cellulosic textiles. 2,977,250, 3–28–61, Cl. 117—188.5.

Brzeski, Jerzy, to the Babcock & Wilcox Co. Shot mixing device. 2,979,363, 4–11–61, Cl. 302—53.

Brzozowski, Witold. Gas burning device. 2,988,138, 6–13–61, Cl. 158—7.

Bubb, Frank W., to Phillips Petroleum Co. Pumping system simulator. 3,006,541, 10–31–61, Cl. 235—61.

Bubes, Samuel. Lining structure for lightweight jackets. 2,993,210, 7–25–61, Cl. 2—93.

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Buc, Saul R., to General Aniline & Film Corp. Treatment of iron chlorosis in chlorophyllaceous plants. 2,978,309, 4–4–61, Cl. 71—1.

Buc, Saul R., H. B. Freyermuth, and H. S. Schultz, to General Aniline & Film Corp. Production of sulfoxides and sulfones. 3,006,963, 10–31–61, Cl. 260—607.

Bucalo, Louis, to Specialties, Inc. Pneumatic probe assembly for detecting airstream direction. 2,977,793, 4–4–61, Cl. 73—180.

Bucalo, Louis, to Specialties, Inc. Instrument for detecting and indicating the direction of a fluid stream. 2,995,930, 8–15–61, Cl. 73—188.

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Buccicone, Dario, to Bucciconi Engineering Co., Inc. Magnetic sheet feeder. 2,996,297, 8–15–61, Cl. 271—10.

Bucciconi Engineering Co., Inc.: *See*—
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Buccicone, Dario. 2,996,297.

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Berghaus, Bernhard, and Bucek. 3,003,061.
Berghaus, Bernhard, and Bucek. 3,004,133.

Bucek, Hans, to Elektrophysikalische Anstalt Bernhard Berghaus. Method of reducing sliding friction and its application to firearms. 2,989,898, 6–27–61, Cl. 89—1.

Buchanan Electrical Products Corp.: *See*—
Ustin, George. 2,981,923.
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Buchanan, Horace. Screen for motor car windows. 2,997,103, 8–22–61, Cl. 160—369.

Buchanan, Leslie B. M., to Westinghouse Electric Corp. Refrigeration apparatus with hot gas defrost. 3,005,319, 10–24–61, Cl. 62—156.

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Buchanan, William J., Jr., to Chain Belt Co. Device for adjusting screw take-ups. 2,975,646, 3–21–61, Cl. 74—242.14.

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Buchhold, Theodor A., to General Electric Co. Application of superconductivity in guiding charged particles. 3,008,044, 11–7–61, Cl. 250—49.5.

Buchhold, Theodor A., and K. F. Schoch, to General Electric Co. Insulating housing. 3,004,683, 10–17–61, Cl. 220—15.

Buchholtz, Reinhardt E. Cabinet having pressure releasable hinge. 2,990,571, 7–4–61, Cl. 16—171.

Buchholz, Arnold R., to Brandt Automatic Cashier Co. Coin changer apparatus. 2,976,874, 3–28–61, Cl. 133—2.

Buchholz, Arnold R., to Brandt Automatic Cashier Co. Remote control for coin dispensing machine. 2,988,093, 6–13–61, Cl. 133—4.

Buchholz, Arnold R., and F. Haban, to Brandt Automatic Cashier Co. Coin counting machine. 2,973,768, 3–7–61, Cl. 133—8.

Buchholz, Arnold R., and F. Haban, to Brandt Automatic Cashier Co. Coin sorting machine. 2,977,961, 4–4–61, Cl. 133—3.

Buchholz, Arnold R., and F. Haban, to Brandt Automatic Cashier Co. Electrically controlled coin dispensing machine. 2,988,092, 6–13–61, Cl. 133—4.

Buchholz, Julian R. Shoe closure. 2,994,935, 8–8–61, Cl. 24—205.17.

Buchholz, Karl: *See*—
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Buchholz, Karl, and F. Stastny, to Badische Anilin- & Soda Fabrik Aktiengesellschaft. Difficultly inflammable expandable styrene polymer and process for making same. 3,001,954, 9–26–61, Cl. 260—2.5.

Buchi, Alfred, deceased; H. Walder, executor, to Ingenieurbureau Dr-Ing, Alfred J. Buchi A.G. Guide means on impellers for centrifugal pumps or blowers. 2,995,293, 8–8–61, Cl. 230—127.

Buchi, Alfred J. Means for interchanging rotors in turbines. 2,977,088, 3–28–61, Cl. 253—39.

Buchi, Alfred J., deceased; H. Walder, executor. Inlet and outlet elements for piston engines. 2,979,046, 4–11–61, Cl. 123—79.

Buchi, Alfred J. Internal combustion piston engine. 3,003,483, 10–10–61, Cl. 123—32.

Buchi, Alfred J., deceased, by H. Walder, executor. Turbine casing. 3,005,618, 10–24–61, Cl. 253—56.

Buchi, George H., R. E. Erickson, N. Wakabayashi, and H.-E. Eschinazi, to The Givaudan Corp. Epoxy patchoulanes and method for preparing patchoulione therewith. 2,968,660, 1–17–61, Cl. 260—348.

Buchler, Franz. Method of manufacturing panels and panel so produced. 2,987,431, 6–6–61, Cl. 154—121.

Buchmann, Fred J., to Esso Research and Engineering Co. Process for preparing an attrition resistant catalyst. 3,006,864, 10–31–61, Cl. 252—463.

Buchmann, Martin: *See*—
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Buchmiller, Earl P.: *See*—
Gwinn, M Benjamin, and Buchmiller. 2,994,997.

Büchner, Karl, and O. Roelen, to Ruhrchemie Aktiengesellschaft. Production of dialcohols. 2,975,218, 3–14–61, Cl. 260—635.

Buchner, Karl, and H. Schwarz, to Ruhrchemie Aktiengesellschaft. Ester oils and process for their preparation. 3,006,937, 10–31–61, Cl. 260—410.

Büchner, Karl, J. Meis, H. Langwald, and R. Otto, to Ruhrchemie Aktiengesellschaft. 8-hydroxytricyclodecane-carboxylic-4 acid and polyesters thereof and process of production. 3,009,945, 11–21–61, Cl. 260—468.

Buchner, Marvin K., and C. R. Thompson, to Food Machinery and Chemical Corp. Pear orientating, feeding, peeling, seed celling, butt trimming, bobbing, and splitting machine. 2,989,997, 6–27–61, Cl. 146—33.

Buchoff, Leonard S., and N. M. Ingber. Colorimetric determination of dissolved oxygen in low concentrations. 2,967,092, 1–3–61, Cl. 23—230.

Bucholz, Werner, M. K. Haynes, and G. E. Whitney, to International Business Machines Corp. Magnetic core device. 2,997,696, 8–22–61, Cl. 340—17.4.

Buchschacher, Paul: *See*—
Jeger, Oskar, Kalvoda, and Buchschacher. 3,004,968.

Buchtenkirch, Arthur J., and M. D. Widenor, to North Atlantic Industries, Inc. Helical magnetic actuator. 2,987,657, 6–6–61, Cl. 317—192.

Buchter, Hugo H., to Monsanto Chemical Co. Seal for agitators in pressure vessels. 2,977,140, 3–28–61, Cl. 286—15.

Buchter, Hugo H., to Monsanto Chemical Co. High pressure valve 3,000,227, 9–19–61, Cl. 74—101.

Buchwald, William G. Electric blanket control unit holder. 3,009,676, 11–21–61, Cl. 248—229.

Buck, Carl J., and B. M. Bloom, to Chas. Pfizer & Co., Inc. N-(alkyl, aryl and heterocyclic)β-(carboalkoxy and carboaryloxy) alkanoyl amides. 2,980,728, 4–18–61, Cl. 260—471.

Buck, Dudley A.: *See*—
Fuller, Richard H., and Buck. 2,987,707.

Buck, Dudley A., to Arthur D. Little, Inc. Electrical memory circuits. 3,001,178, 9–19–61, Cl. 340—173.1.

Buck, Dudley A., to Research Corp. Cryogenic computing devices. 3,011,711, 12–5–61, Cl. 235—176.

Buck, Eugene W., to Buck Mfg. Co. Electromagnetic drill support with auxiliary power supply. 2,977,825, 4–4–61, Cl. 77—7.

Buck, Herman H. Pick-up device for hauling leaves, etc. 2,974,971, 3–14–61, Cl. 280—19.

Buck, Immanuel. Whetting steel. 2,988,933, 6–20–61, Cl. 76—84.

Buck, James R., to Becton, Dickinson and Co. Valve assembly. 3,012,752, 12–12–61, Cl. 251—309.

Buck, Johannes S., deceased, by P. G. Buck, executrix, to Esta Medical Laboratories, Inc. Biocidal compositions of ar-halogenated-ar-hydroxyindane and processes therewith. 2,990,324, 6–27–61, Cl. 167—31.

Buck, Leon E., to Winget Ltd. Hydraulic load cell. 2,981-101. 4–25–61, Cl. 73—141.

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Buck, Eugene W. 2,977,825.

Buck, Norton B., to Sundstrand Corp. Regulated inverter. 2,987,681, 6–6–61, Cl. 331—113.

Buck, Phillis G.: *See*—
Buck, Johannes S. 2,990,324.

Buck, Porter A., and R. G. Crist. Hopper and control discharge. 2,974,614, 3–14–61, Cl. 107—14.

Buck, Porter A., and R. G. Crist. Fryer. 2,999,451, 9–12–61, Cl. 99—353.

Buck, Robert E., to H. J. Heinz Co. Process for continuous concentration of vinegar. 3,002,896, 10–3–61, Cl. 202—67. 10–10–61, Cl. 88—74.

Buck, Robert J., and W. W. Shute. Sanitary pipe line transfer system with selectively positionable valve. 3,010,478, 11–28–61, Cl. 137—561.

Buck, Roy R.: *See*—
Warner, Stanley W., and Buck. 2,967,364.

Buck, Steward T. Portable elevator tower. 2,990,034, 6–27–61, Cl. 187—80.

Buck, Willard E., to Beckman & Whitley, Inc. High speed continuous writing framing camera. 2,968,989, 1–24–61, Cl. 88—16.

Buck, Willard E., to Beckman & Whitley, Inc. Continuous writing streak camera. 2,999,420, 9–12–61, Cl. 88—16.

Buck, Willard E. High speed gas turbine driven mirror with adjustable pulse generating means. 3,003,395,

Buck, Willard E., to Beckman & Whitley, Inc. Shaft bearing assembly and sealing system for high speed turbines. 3,006,250, 10–31–61, Cl. 88—74.

Buck, Willard E., to Beckman & Whitley, Inc. Film loader for rotating drum camera. 3,007,384, 11–7–61, Cl. 95—31.

Buck, Willard E., and L. R. Teeple, Jr., to Beckman & Whitley, Inc. Continuous writing framing camera. 2,968,990, 1–24–61, Cl. 88—16.

Buckbee, John A.: *See*—
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Taylor, Frank E., and Buckbee. 2,995,678.

Buckelew, Herbert F. Chain propulsion for boats. 3,013,520, 12–19–61, Cl. 115—63.

Bucken, Curt, and M. Kuhm, to Karl Schmidt, G.m.b.H. Elastically deformable ring support for light alloy pistons. 2,990,225, 6–27–61, Cl. 309—14.

Buckeye Cellulose Corp., The: *See*—
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Buckeye Incubator Co., The: *See*—
Bailey, Ralph K. 2,997,021.
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Bailey, Ralph K. 3,006,321.

Buckeye Iron & Brass Works: *See*—
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Buckeye Steel Castings Co., The: *See*—
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Buckeye Tool Corp.: *See*—
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Buckholdt, Robert E., to Selas Corp. of America. Strip threading device. 2,980,411, 4–18–61, Cl. 263—3.

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Belcher, Bryan L., Blyth, Buckingham, Davies, Chamberlin, Fletcher, Morris, Mansfield, and Upton. 2,982,093.

Buckingham, David E. J., to D. Napier & Son Ltd. Fuel supply systems for compound ramjet-turborocket engines. 2,986,003, 5–30–61, Cl. 60—35.6.

Buckingham, William D., N. R. Lane, G. H. Ridge, and F. T. Turner, to The Western Union Telegraph Co. Facsimile transmitter. 2,982,815, 5–2–61, Cl. 178—7.1.

Buckler, Sheldon A.: *See*—
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Buckler, Sheldon A., to American Cyanamid Co. Tris (substituted carbamoyl) phosphines and the preparation thereof. 2,969,390, 1–24–61, Cl. 260—551.

Buckler, Sheldon A., to American Cyanamid Co. Spirotetrakishydroxyalkyl phosphonium salts. 2,969,398, 1–24–61, Cl. 260—606.5.

Buckler, Sheldon A., to American Cyanamid Co. Organophosphorus compounds and methods of preparing same. 2,984,683, 5–16–61, Cl. 260—500.

Buckler, Sheldon A., to American Cyanamid Co. Phosphacyclohexanes and the preparation thereof. 3,005,020, 10–17–61, Cl. 260—500.

Buckler, Sheldon A., to American Cyanamid Co. Method of preparing tetrakis(1-hydroxyalkyl) phosphonium salts. 3,013,085, 12–12–61, Cl. 260—606.5.

Buckler, Sheldon A., and L. Doll, to American Cyanamid Co. Method of preparing secondary phosphines. 2,999,882, 9–12–61, Cl. 260—606.5.

Buckler, Sheldon A., and M. Epstein, to American Cyanamid Co. Novel organophosphorus compounds and methods of preparing same. 3,005,029, 10–17–61, Cl. 260—606.5.

Buckles, Dale R.: *See*—
Castine, William A., Jr., Buckles, and Dahlberg. 2,969,624.

Buckley, Donald J., and S. B. Robison, to Esso Research and Engineering Co. Vulcanizable butyl rubber —GR-S blends and process of making same. 2,969,341, 1–24–61, Cl. 260—45.5.

Buckley, Farrell A., to Hughes Aircraft Co. Expander circuit. 2,986,708, 5–30–61, Cl. 330—194.

Buckley, Sidney E., and D. H. Owen, to International Standard Electric Corp. Manufacture of metal oxides and of ferrites. 3,000,828, 9–19–61, Cl. 252—62.5.

Buckman, Kenneth E., to General Motors Corp. Filters for gases. 2,968,361, 1–17–61, Cl. 183—71.

Buckman, Kenneth E., to General Motors Corp. Filters. 3,003,637. 10–10–61, Cl. 210—130.

Buckman, Wayne T., to Meili & Worthington, Inc. Waste disintegrating machines. 2,970,776, 2–7–61, Cl. 241—46.

Buckmann, John P., F. S. Liggett, and E. L. Wiseman, to Union Oil Co. of California. Detergent automotive fuel. 3,011,879, 12–5–61, Cl. 44—58.

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Buckreus, John C., to United States Trust Co. of New York. Hosiery and method of forming same. Re. 24,922, 1–10–61, Cl. 66—185.

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Joly, Robert, Bucourt, and Warnant. 2,977,366.

Bucourt, Robert, and R. Joly, to Les Laboratoires Francais de Chimiotherapie. Process of producing salts of Δ³-20α-yohimbene compounds of the reserpine series. 2,996,508, 8–15–61, Cl. 260—287.

Bucy, Billy J., and C. M. Simmons, to The Western Co. of North America. Method and apparatus for introducing sealing elements into well casings. 2,981,335, 4–25–61, Cl. 166—75.

Bucy, J. Fred, Jr., to Texas Instruments Inc. Method and apparatus for analyzing data. 2,972,733, 2–21–61, Cl. 340—15.

Bucy, J Fred, Jr., H. J. Jones, J. A. Morrison, Jr., and L. J. Spicker, to Texas Instruments Inc. Data processing system. 2,994,851, 8–1–61, Cl. 340—15.

Bucyrus-Erie Co.: *See*—
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Mork, George W. 2,992,498.
Mork, George W. 2,999,601.
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Buczak, Edwin J., to Parker Metal Goods Co. Playground equipment ring construction. 2,991,077, 7–4–61, Cl. 272—61.

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Eksergian, Carolus L. 3,007,552.
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Herbert, Thomas M. 2,972,314.
Herbert, Thomas M., and Freholm. 2,972,313.
Herman, Clarence A., and Klauer. 2,998,870.
Krouse, Glen N. 2,972,336.
McClelland, John C. 2,999,382.
Murphy, Goodrich K. 2,983,230.
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Budd, Marshall M. and E. M. Strap retaining device for undergarment. 2,984,879, 5–23–61, Cl. 24—79.

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Budenbom, Horace T., to Bell Telephone Laboratories, Inc. Hybrid ring network. 3,010,082, 11–21–61, Cl. 333—9.

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Budreck, Frances, to Monarch Tool & Machinery Co. Separable two-part magnetic connector. 2,975,497, 3–21–61, Cl. 24—201.

Budreck, Frances, to Monarch Tool & Machinery Co. Magnetic pick-up device. 2,976,075, 3–21–61, Cl. 294—65.5.

Budreck, Frances, to Monarch Tool & Machinery Co. Separable two-part magnetic connector. 3,009,225, 11–21–61, Cl. 24—201.

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Budzich, Tadeusz, to The New York Air Brake Co. Over-center hydraulic pump-motor engine starter. 2,986,872, 6–6–61, Cl. 60—18.

Budzich, Tadeusz. Hydraulic pump or motor. 3,007,420, 11–7–61, Cl. 103—162.

Budzich, Tadeusz. Hydraulic apparatus. 3,011,452, 12–5–61, Cl. 103—173.

Budzich, Tadeusz. Hydraulic apparatus. 3,011,453, 12–5–61, Cl. 103—173.

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Bennett, Clarence, and Buechler. 3,004,210.

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Buell, Floyd E., to Shell Oil Co. Electrical well logging apparatus. 2,986,695, 5–30–61, Cl. 324—10.

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Buhrendorf, Frederick G., to Bell Telephone Laboratories, Inc. Electrical connection and tool and method of making same. 2,998,590, 8–29–61, Cl. 339—276.

Bührer, Erwin, and E. Bosshard, to Georg Fischer Aktiengesellschaft. Waste gas recuperator. 2,969,967, 1–31–61, Cl. 263—20.

Buhrer, Erwin, and W. Goetz. Foundry mold. 2,997,757, 8–29–61, Cl. 22—134.

Buie, James L., to Pacific Semiconductors, Inc. Compound transistor. 2,985,804, 5–23–61, Cl. 317—235.

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Buisson, André, to Societe Lorraine des Anciens Etablissements de Dietrich et Cie de Luneville. Supporting structure for the chassis of a rolling vehicle. 3,000,648, 9–19–61, Cl. 280—104.5.

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Bukowski, Charles P.: *See*—
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Bukspan, Joseph, to Hygrade Rainwear Mfg. Corp. Ventilated raincoats. 2,989,754, 6–27–61, Cl. 2—87.

Bulan, Edward P.: *See*—
Saubestre, Edward B., and Bulan. 2,999,799.

Bulat, Thomas J., to The Bendix Corp. Method of cleaning radioactive articles. 3,007,814, 11–7–61, Cl. 134—1.

Bulatkin, Iliya F., to Crown Cork & Seal Co., Inc. Beverage manufacture. 2,988,450, 6–13–61, Cl. 99—79.

Bulger, John, and J. Conner. Book match dispenser. 2,970,027, 1–31–61, Cl. 312—42.

Bulkley, William L., and D. Smith, to Standard Oil Co. Steam purge indicator method and apparatus. 3,002,372, 10–3–61, Cl. 73—29.

Bull, Arthur W., to United States Rubber Co. Tire construction. 2,968,331, 1–17–61, Cl. 152—356.

Bullard Co., The: *See*—
Bullard, Edward C., Tomenceak, and Ettorre. 3,000,228.
Johnson, Ernest H., Ehrlich, and Zukowski. 2,983,174.

Bullard, E. D., Co.: *See*—
Geraghty, Robert M. 3,003,214.
Ruggiero, Alfred J. 2,981,955.

Bullard, Edward C., A. A. Tomenceak, and J. E. Ettorre, to The Bullard Co. Transmission. 3,000,228, 9–19–61, Cl. 74—364.

Bullard, Edward P., III. Variable speed transmission. 2,972,905, 2–28–61, Cl. 74—681.

Bullard, Edward P., III. Machine tool feedworks. 2,972,907, 2–28–61, Cl. 74—750.

Bullard, Ralph H., A. R. Graff, and A. V. McIntosh, Jr., to The Lake Erie Chemical Co. Means for protection againat vesicants. 2,968,579, 1–17–61, Cl. 117—121.

Bullard, Ralph H., A. R. Graff, and A. V. McIntosh, Jr., to The Lake Erie Chemical Co. Halogenated organic nitrogen compounds and method of preparation. 2,968,675, 1–17–61, Cl. 260—562.

Bull Dog Lock Co.: *See*—
Waller, Arthur, and Isensee. 2,978,078.
Waller, Arthur, and Isensee. 2,980,155.
Waller, Arthur, and Isensee. 2,983,473.

Bullens, Carolus H. W. Method for the attachment of a wheel and fixing means to be used therewith. 3,012,825, 12–12–61, Cl. 301—132.

Bulletin Co.: *See*—
Powers, Richard. 2,986,262.

Bullington, Walter R.: *See*—
Gregory, Charles A., Jr., and Bullington. 3,002,099.

Bulloch, David K.: *See*—
Henn, Richard W., Bulloch, and Bard. 2,984,567.

Bullock, Austin L., and J. D. Guthrie, to United States of America, Agriculture. Chemically modified textiles. 2,971,815, 2–14–61, Cl. 8—116.2.

Bullock, Austin L., and J. D. Guthrie, to United States of America, Agriculture. Ion exchange starches which retain their original granular form and process for making same. 2,992,215, 7–11–61, Cl. 260—233.3.

Bullock, Douglas H.: *See*—
Winder, William C., and Bullock. 3,008,830.

Bullock, John W., and P. D. Rowan, to Briles Products, Inc. Circuit breaker. 2,986,620, 5–30–61, Cl. 200—116.

Bullock, Leslie G.: *See*—
Green, Percie F., and Bullock. 2,971,340.

Bullock, Melvin G. Device for portraying speed, time, distance, and reaction measurements as related to vehicle driving. 2,979,831, 4–18–61, Cl. 35—11.

Bullock, Milon W., and J. J. Hand, to American Cyanamid Co. Process for preparing 2-oxoadipic acid. 2,990,410, 6–27–61, Cl. 260—343.5.

Bulloff, Jack J., to The Commonwealth Engineering Co. of Ohio. Separation of fatty acids from oxidized fish oils. 2,972,624, 2–21–61, Cl. 260—414.

Bulloff, Jack J., to The Commonwealth Engineering Co. of Ohio. Method for adjusting the composition of aluminum soaps. 2,993,064, 7–18–61, Cl. 260—414.

Bulman Corp., The: *See*—
Slikkers, Leslie V. 3,010,585.
Stewart, Robert J. 3,009,581.

Bulova, Arde. D. H. Anderson, and M. D. Schleifer, to Bulova Watch Co., Inc. Electric dry shaver with grill tensioning means. 2,982,020, 5–2–61, Cl. 30—43.

Bulova Research and Development Laboratories, Inc.: *See*—
Fischer, Franz L. 2,969,675.
Fischer, Franz L. 3,010,327.
Goddard, George W. 2,998,762.

Bulova Watch Co., Inc.: *See*—
Bulova, Arde, Anderson, and Schleifer. 2,982,020.
Hetzel, Max. 2,971,323.

Bulow, Carl L., to Bridgeport Brass Co. Anti-biofouling copper-base alloy. Re. 25,043, 9–26–61, Cl. 75—157.5.

Bülow, Willy, to A. W. Faber-Castell. Slide rule and adding device combination. 2,983,447, 5–9–61, Cl. 235—69.

Bulpitt and Sons Ltd.: *See*—
Addis, Charles E. 3,001,639.

Bulthuis, Henricus W.: *See*—
Becker, Johannes, and Bulthuis. 2,978,957.

Bultitude, Frederick W.: *See*—
Barrer, Richard M., and Bultitude. 2,982,612.

Bumas, Lester O.: *See*—
Rappaport, Sigmund, Bumas, and Hampton. 2,982,899.

Bumm, Leonard M.: *See*—
Glass, Emmett F., McCarty, and Bumm. 3,006,124.

Bumm, Leonard M., E. F. Glass, and H. G. McCarty, to Sperry Rand Corp. Hay conditioner. 3,014,327, 12–26–61, Cl. 56—1.

Bump, Harold W. Aircraft sustained by cyclindrical rotors. 2,985,406, 5–23–61, Cl. 244—10.

Bumpus, Paul A., and J. J. Hublard, to John H. Breck, Inc. Dispenser-applicator device. 2,967,319, 1–10–61, Cl. 15—133.

Bunce, Broadus C., ¼ to J. C. Gager. Fluid proportioning device. 2,986,163, 5–30–61, Cl. 137—606.

Bunce, Donald F. M., II, to Armour & Co. of Delaware. Adrenocorticotrophin and vitamin B_{12} compositions. 3,009,856, 11–21–61, Cl. 167—53.

Bunce, Jerome R., Jr., and E. J. Geu, to The Bastian-Blessing Co. Valve seat. 2,969,219, 1–24–61, Cl. 251—362.

Bunch, Tillman T., to Western Electric Co., Inc. Apparatus for continuously reeling strand material. 2,971,710, 2–14–61, Cl. 242—25.

Bunch, Tillman T., to Western Electric Co., Inc. Centripetal extruder. 2,977,632, 4–4–61, Cl. 18—13.

Bunch, Tillman T., to Western Electric Co., Inc. Methods of and apparatus for stripping a sheath of plastic material from a core. 2,977,831, 4–4–61, Cl. 81—9.51.

Bunch, Tillman T., to Western Electric Co., Inc. Brushless power supplies. 2,993,113, 7–18–61, Cl. 219—155.

Bunch, Tillman T., and V. A. Rayburn, to Western Electric Co., Inc. Methods of and apparatus for handling electrically conductive strand material. 2,993,114, 7–18–61, Cl. 219—155.

Bunch, Walter V. Portable lantern stand. 2,975,999, 3–21–61, Cl. 248—121.

Bunchak, William G.: *See*—
Beck, William R., and Bunchak. 3,002,763.

Bundorf, Ronald T., to General Motors Corp. Interconnected fluid suspension system. 2,978,254, 4–4–61, Cl. 280—104.

Bundschuh, Friedrich: *See*—
Baldauf, Ludwig, and Bundschuh. 2,995,506.

Bundy, Oswald M., to The Clark Controller Co. Terminal board with wire channel. 3,002,177, 9–26–61, Cl. 339—198.

Bundy, Oswald M., and A. J. Nemeth, to The Clark Controller Co. Rotary cam switches. 2,978,553, 4–4–61, Cl. 200—38.

Bundy, Robert C., to Hughes Aircraft Co. Electromagnetic wave attenuator. 2,981,907, 4–25–61, Cl. 333—81.

Bundy, Robert W., to E. I. du Pont de Nemours and Co. Flat low melting point metal filament having an oriented synthetic resin sheath. 3,001,265, 9–26–61, Cl. 28—82.

Bundy Tubing Co.: *See*—
Hobrock, Raymond H. 3,007,810.
Knox, David R. 2,971,554.
Mally, George G., Lalli, and Gniadowski. 2,998,047.

Bundy, William C. Deodorant dispensing apparatus. 2,991,517, 7–11–61, Cl. 21—124.

Bungardt, Walter, to Ronson Metals Corp. Pyrophoric alloys without iron. 2,978,322, 4–4–61, Cl. 75—152.

Bungas, George. Portable air circulating heat exchange unit. 2,979,311, 4–11–61, Cl. 257—303.

Bunge, Gerhard, and E. R. Honak, to Fuerstlich Hohenzollernsche Huettenverwaltung. Composite bearing. 2,992,137, 7–11–61, Cl. 117—132.

Bunge, Wilhelm, and K.-H. Mielke, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Method of reacting unsaturated polyester with an organic polyisocyanate. 3,007,894, 11–7–61, Cl. 260—45.4.

Bunger, Dennen J.: *See*—
Ferguson, John H., Jr., and Bunger. 3,003,745.

Bunger, Dennen J., to The Bendix Corp. Turbine with axially moving plane of rotation. 3,003,313, 10–10–61, Cl. 60—39.14.

Bungert, Heinrich: *See*—
Zink, Hermann, Wenz, and Bungert. 2,990,793.
Bunga, Janis A., to Diamond Alkali Co. P-xylylene diol polyesters. 2,967,854, 1–10–61, Cl. 260—75.
Buningh, Weigert C., to Shell Oil Co. Treatment of immiscible liquids. 3,014,861, 12–26–61, Cl. 208—287.
Buningh, Weigert C., and W. J. Pieters, to Shell Oil Co. Basic nitrogen removal from hydrocarbons with an alkaline bisulfate. 2,981,678, 4–25–61, Cl. 208—254.
Buningh, Weigert C., and C. D. Ten Have, to Shell Oil Co. Removal of nitrogen compounds from gasoline. 2,999,807, 9–12–61, Cl. 208—254.
Bunish, Stephen, to Anaconda Wire and Cable Co. Power cables. 2,981,788, 4–25–61, Cl. 174—115.
Bunk, Ralph H., and W. O. Trissell. Adjustable bowling ball grip. 3,012,783, 12–12–61, Cl. 273—63.
Bunker, David D. Stringed musical instrument. 2,989,884, 6–27–61, Cl. 84—1.16.
Bunker, Ward: *See*—
Denman, Stephen A., and Bunker. 2,976,946.
Bunker, Ward, S. A. Denman, and J. R. May, to General Motors Corp. Vehicle road speed control. 2,972,390, 8–21–61, Cl. 180—32.1.
Bunn, George P., to Phillips Petroleum Co. Combination dry or liquid cargo vessel and process. 3,005,317, 10–24–61, Cl. 62—45.
Bunnell, Edward D.: *See*—
Wells, William W., and Bunnell. 3,010,233.
Bunnell, Glen R., to Special Engineering Service, Inc. Press feed mechanism. 2,978,160, 4–4–61, Cl. 226—151.
Bunny Bear Inc.: *See*—
Linden, Samuel. 3,003,163.
Bunten, Helmut: *See*—
Baumann, Albert, and Bunten. 2,969,187.
Buntin, J. E.: *See*—
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Bunting, Ernest V., to Massey-Ferguson Inc. Manual control assembly for tractor hydraulic systems. 2,971,397, 2–14–61, Cl. 74—526.
Bunting, Ernest V., to Massey-Ferguson Inc. Power operating and control system for tractors. 2,996,124, 8–15–61, Cl. 172—9.
Bunting, Ernest V., to Massey-Ferguson, Inc. Implement mounting system. 2,996,125, 8–15–61, Cl. 172—9.
Bunting, Ernest V., to Massey-Ferguson Inc. Tractor draft linkage. 2,998,734, 9–5–61, Cl. 74—579.
Bunting, Ernest V., to Massey-Ferguson Inc. Control spring assembly for tractor hydraulic systems. 3,001,589, 9–26–61, Cl. 172—7.
Bunting, Ernest V., and R. V. Mathers, to Massey-Ferguson Inc. Implement lift arrangement for tractors. 2,970,659, 2–7–61, Cl. 172—501.
Bunting, George C.: *See*—
Bunting, Joseph G. and G. C. 3,004,739.
Bunting, Joseph G. and G. C. Gasoline tank. 3,004,739, 10–17–61, Cl. 244—135.
Bunting, William W., Jr., and T. L. Nelson, to E. I. du Pont de Nemours and Co. Compact interlaced yarn. 2,985,995, 5–30–61, Cl. 57—140.
Bunting, William W., Jr., and L. Cenzato, to E. I. du Pont de Nemours and Co. Multiple vortex pneumatic twister and method of producing alternate twist yarn. 2,990,671, 7–4–61, Cl. 57—34.
Buonaccorsi, Alphonse L., to Logan Hospital Equipment Co. Operating room overhead gas service system and fixture therefor. 3,004,777, 10–17–61, Cl. 285—64.
Buono, Frank S., to United States Rubber Co. Expansion joint. 2,998,986, 9–5–61, Cl. 285—229.
Burant, Leonard J.: *See*—
Lucht, Otto C., Shelley, and Burant. 2,991,231.
Burba, John L., Jr.: *See*—
Goins, William C., Jr., Burba, and Dawson. 2,990,016.
Burbach, John C.: *See*—
Allenbach, Charles R., and Burbach. 3,002,936.
Burbank, John E., to Cue Fastener, Inc. Slider for slide fasteners. 2,972,793, 2–28–61, Cl. 24—205.14.
Burbank, John E., to Cue Fastener, Inc. Method of gapping stringer for slide fasteners. 2,987,809, 6–13–61, Cl. 29—408.
Burbank, John E., to Cue Fastener, Inc. Slide fastener. 3,002,245, 10–3–61, Cl. 24—205.15.
Burbank, John E., to Cue Fastener, Inc. Apparatus for gapping slide fasteners. 3,005,581, 10–24–61, Cl. 225—94.
Burbank, Wendell T.: *See*—
Galbraith, Martin J., and Burbank. 2,983,139.
Burbidge, Bernard W.: *See*—
Moy, John A. E., and Burbidge. 2,967,821.
Moy, John A. E., and Burbidge. 2,967,822.
Moy, John A. E., White, and Burbidge. 3,001,929.
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Babcock, Gary J., Burch, and Simpkins. 3,008,230.
Burch, Julius G. Well cleaning apparatus. 2,997,104, 8–22–61, Cl. 166—57.
Burch, Leslie F. Safety razor. 3,003,234, 10–10–61, Cl. 30—63.
Burch, Lewis D., to General Motors Corp. Viscous fluid torsional vibration damper. 2,987,938, 6–13–61, Cl. 74—574.
Burch, Oren P. Method of preparing plywood planking for compound bending. 2,980,153, 4–18–61, Cl. 144—324.
Burch, Oscar G., to Owens-Illinois Glass Co. Method and apparatus for melting glass. 2,975,224, 3–14–61, Cl. 13—6.
Burch, Paul F., to Wolverine Shoe and Tanning Corp. Hog side skinning machine having pneumatically operated clamp bar. 2,989,105, 6–20–61, Cl. 146—130.
Burch, Robert J., and G. Davidowich, to Air Reduction Co., Inc. Corrosion inhibition. 3,004,925, 10–17–61, Cl. 252—396.
Burcham, Donald P.: *See*—
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Burckhardt, Manfred H., to Daimler-Benz Aktiengesellschaft. Transmission including disengaging clutch construction. 3,001,413, 9–26–61, Cl. 74—359.
Burckle, Xavier, to Societe dite: Filature et Tissage du Territoire. Floor-cloth with fastening means. 2,970,334, 2–7–61, Cl. 15—247.
Burcz, Joseph J., to Bell Telephone Laboratories, Inc. Dispenser for pressure sensitive tape. 3,007,619, 11–7–61, Cl. 225—19.
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Burd, Gorman C.: *See*—
Frye, Richard D., and Burd. 2,974,712.
Burd, Gorman C., to Neo Products Corp. Hollow metal article and method and apparatus for forming same. 2,976,549, 3–28–61, Cl. 10—153.
Burden, Edward R. Self-locking folding box. Re. 24,946, 3–7–61, Cl. 229—34.
Burdeshaw, Thomas A., to Southern States Equipment Corp. Electric fuse. 2,970,194, 1–31–61, Cl. 200—114.
Burdett, Harold D., to The Hub Mfg. Corp. Harvesting apparatus. 3,009,574, 11–21–61, Cl. 209—135.
Burdett, Henry S., to G. Stibbe & Co. Ltd. Circular knitting machine of the superimposed needle cylinder type. 2,966,784, 1–3–61, Cl. 66—111.
Burdick, Duane F., to Dow Corning Corp. Transparent laminate of improved stability. 2,999,040, 9–5–61, Cl. 154—2.71.
Burdick, Everette M. Process for treating humus materials. 2,992,093, 7–11–61, Cl. 71—24.
Burdick, George E., and R. O. Faust, to Baldwin-Lima-Hamilton Corp. Electrically controlled batching system. 3,004,617, 10–17–61, Cl. 177—12.
Burdick, Glen A., to Sylvania Electric Products Inc. Electron discharge device. 2,971,118, 2–7–61, Cl. 315—16.
Burdick, Glen A., to Sylvania Electric Products Inc. Cathode ray tube structure and process. 2,986,080, 5–30–61, Cl. 95—1.
Burdick, Glen A., and E. O. Stone, to Sylvania Electric Products Inc. Image display device. 2,981,864, 4–25–61, Cl. 315—16.
Burdick, Glenn A., to Statewide Plumbing & Heating Co., Inc. Leak finder. 2,975,637, 3–21–61, Cl. 73—304.
Burdick, Hugh T., to Illinois Tool Works. Terminal clip structure. 2,996,794, 8–22–61, Cl. 29—193.5.
Burdick, Ralph V., and R. V. Burdick, Jr. Adhesive tape dispenser. 2,987,232, 6–6–61, Cl. 225—26.
Burdick, Ralph V., Jr.: *See*—
Burdick, Ralph V., and R. V. Burdick, Jr. 2,987,232.
Burdick, Robert R., and D. E. Punkar, to The Astatic Corp. Mounting means for phonograph tone arms. 3,006,651, 10–31–61, Cl. 274—23.
Burdis, William, F. G. Scott, and F. Helfrick. Collapsible hand axe. 2,989,100, 6–20–61, Cl. 145—2.
Bureau, Alfred J., to United States of America, Atomic Energy Commission. Method and means for increasing electron emission. 2,974,251, 3–7–61, Cl. 313—345.
Bureau van Tongeren N.V.: *See*—
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Buret, Raymond, to UCLAF. Process of producing esters of methylene bis-thioglycolic acid. 2,980,729, 4–18–61, Cl. 260—481.
Burford, William B., III: *See*—
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Burg, Anton B., and R. I. Wagner, to The University of Southern California. Phosphinoborine compounds and their preparation. 3,012,076, 12–5–61, Cl. 260—606.5.
Burg, Marion: *See*—
Saner, William R., and Burg. 2,972,540.
Burg, Solomon: *See*—
Allen, Herbert, and Burg. 2,966,850.
Burgardt, Lothar: *See*—
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Burgardt, Lothar, and O. Wahl, to Agfa Aktiengesellschaft. Photographic filter layer. 2,968,557, 1–17–61, Cl. 96—84.
Burgardt, Lothar, W. Pelz, O. Wahl, and H. Sassmann, to Agfa Aktiengesellschaft. Photographic developers. 2,981,623, 4–25–61, Cl. 96—66.
Burgardt, Lothar, and O. Wahl, to Agfa Aktiengesellschaft. Anti-halation layers and filter-layers for photographic light sensitive materials. 3,002,837, 10–3–61, Cl. 96—84.
Burgardt, Lothar, O. Wahl, and H. Klockgether, to Agfa Aktiengesellschaft. Triphenylcarbinol dyestuffs as photographic antihalation material. 3,005,711, 10–24–61, Cl. 96—84.
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Roos, Ernst, Lober, and Burgdorf. 3,007,895.
Burge, David E., to Lever Brothers Co. Toothbrush rack. 2,987,194, 6–6–61, Cl. 211—126.

Burgener, Karl L., to Automatic Electric Laboratories, Inc. Selector circuit. 2,987,580, 6–6–61, Cl. 179—18.

Burger, Alfred F.: *See*—
Beardwood, Joseph T., III. and Burger. 2,995,709.

Burger, Emmett E.: *See*—
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Cobine, James D., and Burger. 3,014,107.
Cobine, James D., and Burger. 3,014,108.

Burger, Emmett E., to General Electric Co. Alternating current vacuum switch. 3,014,109, 12–19–61, Cl. 200—144.

Burger, Erich: *See*—
Baur, Carl, Burger, and Hennig. 3,002,440.

Burger, Harald, to Siemens-Reiniger-Werke Aktiengesellschaft. Blocking oscillator having selectively adjustable R-C circuit. 2,993,178, 7–18–61, Cl. 331—146.

Burger, Karl: *See*—
Ebel, Friedrich, Burger, and Herrle. 3,001,970.

Burger, Leland L., and W. E. Roake, to United States of America, Atomic Energy Commission. Preparation of plutonium trifluoride. 2,992,066, 7–11–61, Cl. 23—14.5.

Burger, Nicholas J., and J. J. Finn, to Electro-Therm, Inc. Electric baseboard heating unit. 2,976,389, 3–21–61, Cl. 219—34.

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Burgert, Billy E.: *See*—
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Burgert, Billy E., to The Dow Chemical Co. N-vinyl-3-morpholinone compounds. 2,987,509, 6–6–61, Cl. 260—88.3.

Burgert, Harold E., 3% to I. and J. L. Arem, 25% to C. De Martin, 25% to E. J. Smith, 2½% to C. J. Bocklage, 11% to A. E. Kappelman, 5% to J. W. Branch, 2% to F. Schleber, and 1% to F. Beuckman. Device for testing the extent to which meat has been cooked. 2,967,428, 1–10–61, Cl. 73—332.

Burgeson, Oscar B.: *See*—
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Burgess Cellulose Co.: *See*—
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Burgess, Edward G., Jr.: *See*—
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Newell, William H., Burgess, Zabb, and Frangoulis. 2,978,177.
Newell, William H., Burgess, Zabb, and Frangoulis. 2,996,706.

Burgess, Edward S., to Fairchild Camera and Instrument Corp. Amplifier. 2,995,653, 8–8–61, Cl. 250—20.

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Burgess, Laurance D.: *See*—
Kruse, John R., Jr., Burgess, and Stumpf. 2,975,293.

Burgess, Mary T.: *See*—
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Burgess, Paul D., and H. F. Rothwell, to Delavan Mfg. Co. Multiple variable area orifice injector. 2,969,925, 1–31–61, Cl. 239—453.

Burgess Products Co. Ltd.: *See*—
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Burgess Vibrocrafters, Inc.: *See*—
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Ghinazzi, Alvin. 2,974,409.
Rohde, Robert L., and Benkovich. 2,979,815.

Burgess, Warren C., Jr. High energy level unidirectional vibratory drive system. 2,985,279, 5–23–61, Cl. 198—220.

Burgess, Warren C., Jr. Vibratory conveyor structure. 2,985,280, 5–23–61, Cl. 198—220.

Burgett, Monte I., Jr., and W. G. Ehrich, to Philco Corp. Index-signal generating system for multi-beam cathode-ray tubes. 2,979,559, 4–11–61, Cl. 178—5.4.

Burgett, Wilbert M.: *See*—
Macks, Elmer F., and Burgett. 2,990,861.

Burgi, Charles E.: *See*—
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Burgin, Kermit H. Rollaway tent structure. 2,967,532, 1–10–61, Cl. 135—1.

Burgin, Kermit H. Metal building eave box return. 2,981,034, 4–25–61, Cl. 50—51.

Burgin, Kermit H. Demountable building inner liner. 2,998,112, 8–29–61, Cl. 189—88.

Burgmeister, John J.: *See*—
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Burgoon, David W., and E. J. Ciabattari, to Yeomans Brothers Co. Apparatus for treating waste materials. 2,987,186, 6–6–61, Cl. 210—197.

Burgy, Raymond A., to Toledo Scale Corp. Elevator controls. 3,009,543, 11–21–61, Cl. 187—29.

Burhans, Frank M., to Ford Motor Co. Bearing support structure. 3,002,793, 10–3–61, Cl. 308—22.

Burhans, Ralph W., to The Standard Oil Co. Gaseous mixture analyzer. 3,005,911, 10–24–61, Cl. 250—41.9.

Burhans, Walter L. Precision hole centering and marking device. 2,978,814, 4–11–61, Cl. 33—189.

Buri, Alfred, to Sulzer Freres, Societe Anonyme. Feed water supply system for steam generators. 2,969,048, 1–24–61, Cl. 122—451.

Buritz, Robert S.: *See*—
Grant, Eugene F., Simpson, McCoubrey, and Buritz. 2,991,389.

Burk, Emmett H.: *See*—
Cryer, John, and Burk. 2,970,171.
Keith, Willis C., Burk, and C. D. Keith. 2,974,161.
Keith, Willis C., and C. D., and Burk. 2,981,751.

Burk, Emmett H., Jr., J. Mool, and O. H. Thomas, to Sinclair Refining Co. Two-stage isomerization of normal paraffins. 2,972,650, 2–21–61, Cl. 260—683.66.

Burk, Emmett H., Jr., and B. W. Turnquest, to Sinclair Refining Co. Hydrocarbon demetallization process. 3,008,897, 11–14–61, Cl. 208—251.

Burk, George A.: *See*—
Asadorian, Arthur A., and Burk. 2,979,540.
Asadorian, Arthur A., and Burk. 3,000,980.

Burk, Lawrence R., and W. A. Charbonneaux, to WacLine, Inc. Electric meter case. 3,001,668, 9–26–61, Cl. 220—82.

Burk, Robert E., and E. H. Price, to E. I. du Pont de Nemours and Co. Coated article comprising a substrate of polyethylene or polyamide and a grafted coating of polytetrafluoroethylene or polymethyl methacrylate. 2,999,772, 9–12–61, Cl. 117—138.8.

Burk, Robert L., and F. Hedge. Rotating device for mechanical signs. 3,006,093, 10–31–61, Cl. 40—33.

Burk, Willy, and P. Wingen. Slitting knife holders with fluid actuating means for the slitters. 2,997,906, 8–20–61, Cl. 83—506.

Burkardt, Anton F. Massaging device. 2,985,166, 5–23–61, Cl. 127—24.1.

Burkardt, Lohr A., and W. S. McEwan, to United States of America, Navy. Slurry casting of high explosive content compositions. 2,992,088, 7–11–61, Cl. 52—20.

Burke, Charles E. Vehicle door bolt lock. 2,973,984, 3–7–61, Cl. 292—182.

Burke, Donald J., to Continental Industries, Inc. Process for exothermically welding pipe. 2,990,593, 7–4–61, Cl. 22—116.

Burke, Donald J., to Continental Industries, Inc. Electric jumper bond. 2,999,124, 9–5–61, Cl. 174—84.

Burke, Donald L., to Erico Products, Inc. Welding apparatus. 3,004,310, 10–17–61, Cl. 22—116.

Burke, Edward J.: *See*—
Rhea, Hal H., and Burke. 2,976,696.

Burke, George F. C., W. B. Hanson, and C W. Musser, to United Shoe Machinery Corp. Component mounting machines. 2,998,160, 8–29–61, Cl. 221—159.

Burke, George K., to Burron Medical Products, Inc. Disposable syringe. 2,972,991, 2–28–61, Cl. 128—218.

Burke, Irvin D.: *See*—
Jensen, Raymond W., Burke, and Cholvin. 2,969,806.

Burke, J. E., Co., The: *See*—
Burke, John E. 2,985,924.

Burke, Jerry A., Jr., to Texaco Experiment Inc. Ground effect vehicle. 3,013,505, 12–19–61, Cl. 104—134.

Burke, John E. Press. 2,975,476, 3–21–61, Cl. 18—17.

Burke, John E., to The J. E. Burke Co. Knock-down bleacher. 2,985,924, 5–30–61, Cl. 20—1.126.

Burke, Oliver W., Jr.: *See*—
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Burke, Peter F. C.: *See*—
Beck, Arnold H. W., Rogers, and Burke. 2,974,246.

Burke, Richard J.: *See*—
Ruehlemann, Herbert E., Burke, Bianchi, Smith, and Tower. 2,978,981.

Burke, Robert F., to Esso Research and Engineering Co. Dehazing process. 3,005,768, 10–24–61, Cl. 208—28.

Burke, Robert F., and B. J. Sutker, to Esso Research and Engineering Co. Extraction of lube oil with phenol up to haze point change. 2,984,616, 5–16–61, Cl. 208—87.

Burke, Robert L.: *See*—
Beach, William A., Burke, and Hogin. 3,003,546.

Burke, T Finley, and S. Shapiro, to United States of America, Navy. Computer. 2,994,135, 8–1–61, Cl. 35—10.4.

Burke, Thomas J.: *See*—
Glatter, Jacob, Schaner, and Burke. 2,991,601.

Burke, Wilfrid L.: *See*—
Tobias, Roy H. 2,971,599.

Burke, William R., to E. I. du Pont de Nemours and Co. Restoration process. 3,013,333, 12–19–61, Cl. 29—534.

Burkhard, Charles A., and S. P. Jones, to General Electric Co. Bearing construction. 3,013,444, 12–19–61, Cl. 74—567.

Burkhard, Mahlon D.: *See*—
Corliss, Edith L. R., Burkhard, and Koidan. 2,968,695.

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Burkhardt, Gisbert, to Telefunken G.m.b.H. Continuous article coding apparatus. 2,975,703, 3–21–61, Cl. 101—114.

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Burkholder, Claude A., to General Box Distributors. Method of manufacturing composite paper and veneer sheet material. 2,991,214, 7–4–61, Cl. 154—118.

Burki, René, and E. Von Hein, to Maschinenfabrik Winkler, Fallert & Co. Former folding apparatus for rotary and like printing machines. 2,999,685, 9–12–61, Cl. 270—86.

Burkin, Alfred R., and B. T. K. Barry. Process for reducing the silica content of zircon. 2,981,594, 4–25–61, Cl. 23—18.

Burkitt, Frank H., to Tootal Broadhurst Lee Co. Ltd. Formation of aldehyde condensation products. 3,009,832. 11–21–61, Cl. 117—161.

Burkland, Charles W.: *See*—
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Burkland, Richard L.; and J. W. Graves, Jr. Additive control device. Re. 25,052. 10–10–61, Cl. 138—45.
Burklin, Adolf J., and F. W. Lauck, to A. O. Smith Corp. Radiant energy purifier. 2,999,930, 9–12–61, Cl. 250—46.
Burklund, Glenn A., to American Machine & Foundry Co. Frequency analyzers. 2,986,698, 5–30–61, Cl. 324—78.
Bürkner, Wolfgang, ½ to Carl Schenck Maschinenfabrik G.m.b.H., and ½ to Alwood Inc. Method and apparatus for producing particle composition products. 2,979,105, 4–11–61, Cl. 154—1.
Burkness, Donald C. Test device for tape readers. 2,983,788, 5–9–61, Cl. 178—17.
Burks, Alice R. Bed sheeting arrangement. 3,011,182, 12–5–61, Cl. 5—335.
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Burks, Robert E., Jr., and A. A. Sekul, to Cities Service Research and Development Co. Cycloolefin production utilizing isobutylene or its dimerization product as catalyst activator. 2,972,640, 2–21–61, Cl. 260—666.
Burkus, John, to United States Rubber Co. Process of trimerizing isocyanates. 2,979,485, 4–11–61, Cl. 260—75.
Burkus, John, to United States Rubber Co. Process of trimerizing organic isocyanates. 2,993,870, 7–25–61, Cl. 260—2.5.
Burleigh, Richard J., to United States of America, Atomic Energy Commission. Clashing beam particle accelerator. 2,979,635, 4–11–61, Cl. 315—5.18.
Burleson, James C., W. A. Heckle, and A. E. Withrow, to Monsanto Chemical Co. Quench system. 2,998,464, 8–29–61, Cl. 260—679.
Burley, Charles C., and J. Moffett, ⅛ to W. A. Criste. Method for removal of skins of edible nuts. 2,995,166, 8–8–61, Cl. 146—227.
Burley, Ronald R., to Hoffman Engineering Corp. Lay-in wireway structure or the like. 3,003,794, 10–10–61, Cl. 285—121.
Burling, Elmer R., to Improved Machinery Inc. Pulp bleaching apparatus. 2,990,710, 7–4–61, Cl. 68—181.
Burlington Industries, Inc.: *See*—
Atwell, Everett C. 2,988,799.
Butler, Vaughn H. 2,989,935.
Butler, Vaughn H. 3,014,356.
Clark, Oliver C. 2,987,177.
Fahringer, Victor T. 2,978,291.
Parham, Lee R. 2,974,838.
Payne, Thomas S., and Graves. 2,995,021.
Payne, Thomas S., and Graves. 2,995,912.
Ramsay, Julius M., Jr. 3,003,624.
Burlinson, Roy F., D. A. Brockman, P. M. Taylor, and L. Young, to Bailey Meter Co. Instrument with magnetic coupling. 2,975,639, 3–21–61, Cl. 73—407.
Burlis, Norbert W., and M. J. Reinert, to Custom Engineering and Development Co. Volume-variation measuring and recording apparatus. 2,970,041, 1–31–61, Cl. 23—256.
Burlis, Norbert W., and M. J. Reinert, to Custom Engineering and Development Co. Servo-spirometer. 3,006,336, 10–31–61, Cl. 128—2.08.
Burman, Joseph O., Jr., to Progressive Machinery Corp. Hinged box. 2,967,638, 1–10–61, Cl. 220—35.
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Burmeister, Ellsworth E.: *See*—
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Van Krevelen, Edward R., and Burmeister. 2,980,956.
Burmeister, Toivo U. L., and F. J. Fransson, to Svenska Aktiebolaget Gasaccumulator. Course directional light beacon. 2,979,693, 4–11–61, Cl. 340—26.
Burn, Kenneth C., to Ferranti, Ltd. Cathode-ray tubes. 2,975,326, 3–14–61, Cl. 315—23.
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Burndy Corp.: *See*—
Anderson, James D. 2,968,390.
Bertram, Joseph J., and Rosenfeld. 3,002,175.
Brautigam, John J., and Hood. 2,981,787.
Colewell, William L. 2,971,180.
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Matthysse, Irving F. 2,977,567.
Matthysse, Irving F. 2,994,238.
Neaderland, Adolph C., and Aune. 2,968,788.
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Burnell, Anthony W., to Westinghouse Electric Corp. Lubricant fluid control apparatus for pumping systems. 2,983,435, 5–9–61, Cl. 230—207.
Burnell, David G., to James Lees and Sons Co. Yarn control device for uptwisters. 2,981,048, 4–25–61, Cl. 57—62.
Burnell, David G., to James Lees and Sons Co. Yarn tensioning device for creels and the like. 2,995,316, 8–8–61, Cl. 242—147.
Burnell, Floyd E.: *See*—
Keane, Peter J., Burnell, and Jones. 2,990,613.
Burner, Edwin F., to United States of America, Navy. Automatic flight control system. 2,977,070, 3–28–61, Cl. 244—77.
Burner, Lily M. Stay-put baby receiving blanket. 2,989,753, 6–27–61, Cl. 2—69.5.
Burness, Donald M.: *See*—
Allen, Charles F. H., and Burness. 2,983,611.
Burnett, Alexander H.: *See*—
Crooks, Sam, and Burnett. 2,982,023.
Burnett, Barrie S., and D. Marfleet, to Submarine Cables, Ltd. Moulding of thermoplastic materials. 2,978,532, 4–4–61, Cl. 174—65.
Burnett, Carroll E. Non-refillable bottle cap and spout. 2,991,897, 7–11–61, Cl. 215—21.
Burnett, Donald F.: *See*—
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Burnett, Donathan: *See*—
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Burnett, Elmer B.: *See*—
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Burnett, Henry J. Suit for divers and an intercommunication system therefor. 3,003,136, 10–3–61, Cl. 340—5.
Burnett, Lionel C., to Ericsson Telephones Ltd. Electric pulse counting arrangement. 2,979,638, 4–11–61, Cl. 315—84.6.
Burnett, Richard T., to The Bendix Corp. Combination shoe and disk brake. 2,968,367, 1–17–61, Cl. 188—70.
Burnett, Richard T., to The Bendix Corp. Automatic brake adjustor. 2,978,072, 4–4–61, Cl. 188—79.5.
Burnett, Richard T., to The Bendix Corp. Disk brake. 2,994,410, 8–1–61, Cl. 188—73.
Burnett, Richard T., to The Bendix Corp. Mounting for brake. 3,007,548, 11–7–61, Cl. 188—78.
Burnett, Royce P.: *See*—
Alexander, John E., Comstock, Burnett, and McKinney. 3,003,455.
Burnette, Thaddeus C., Jr., to United States of America, Navy. Deferred action type battery with involute plates. 2,981,780, 4–25–61, Cl. 136—90.
Burnette, Thaddeus C., Jr., to Forte-Fairbairn Inc. Power-actuated testing mechanisms. 2,993,168, 7–18–61, Cl. 324—61.
Burnett, William H. Building units and method of producing the same. 2,970,060, 1–31–61, Cl. 106—71.
Burnett, William H. Building units and method of producing the same. 2,970,061, 1–31–61, Cl. 106—71.
Burnett, Yale C., to Douglas Aircraft Co., Inc. Seat mounted utility table. 3,009,737, 11–21–61, Cl. 297—146.
Burney, Donald E.: *See*—
Twaddle, Warren W., Myerholtz, and Burney. 2,980,661.
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Hamilton, William F. and Burney. 3,014,852.
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Burns, Erwin. Double-acting liner hanger. 3,006,414, 10–31–61, Cl. 166—124.
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Burns, Frederick B., and E. M. Johnson, to McGraw-Edison Co. Short radius, fibre, pipe bend. 2,998,985, 9–5–61, Cl. 285—179.
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Burns, Jerome G., to International Resistance Co. Revolution indicating dial. 2,980,055, 4–18–61, Cl. 116—115.
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Burns, John T., to E. I. du Pont de Nemours and Co. Method and apparatus for depositing tow. 2,971,243, 2–14–61, Cl. 28—21.
Burns, Kay N., to Jersey Production Research Co. System for processing seismic data. 2,975,399, 3–14–61, Cl. 340—15.
Burns, Kay N., to Jersey Production Research Co. Noise reduction in pulse-width modulated recording. 3,012,234, 12–5–61, Cl. 340—174.1.
Burns, Laurence, to Sylvania Electric Products Inc. Crystal amplifier. 2,998,572, 8–29–61, Cl. 330—32.
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Burns, Laurence, to Sylvania Electric Products Inc. Electroluminescent lamp 3,015,044, 12–26–61, Cl. 313—108.
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Burns, Oliver. Fuse holder. 2,981,510, 4–25–61, Cl. 248—42.

Burns, Ray S., to McEvoy Co. Dual well completion apparatus. 3,011,804, 12–5–61, Cl. 285—137.

Burns, Stanley L. Attachment for snow removal equipment. 2,988,831, 6–20–61, Cl. 37—50.

Burns, William E., Jr. Semaphore signal instructor. 2,975,533, 3–21–61, Cl. 35—14.

Burnside, Charles H., to Phillips Petroleum Co. Method of loading a rocket motor with solid propellant. 3,009,385, 11–21–61, Cl. 86—1.

Burnside, Harvey E. W.: *See*—
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Burnside, Harvey E. W., H. G. Codet, C. E. Jahnig, and I. Mayer, to Esso Research and Engineering Co. Separation of hydrocarbon-acid emulsions into their components. 3,007,984, 11–7–61, Cl. 260—683.62.

Burnside, James W., to Sunair Electronics, Inc. Electronic inverters. 3,012,206, 12–5–61, Cl. 331—113.

Burnside, Wade R. Shoe polishing apparatus. 2,987,750, 6–13–61, Cl. 15—267.

Burquist, William A., and H. J. Hansen, Jr., to United States Steel Corp. Method of quickly determining the approximate phosphorus content of a steel specimen. 2,997,372, 8–22–61, Cl. 23—230.

Burr, Esther M. Educational device for teaching children to tell time. 2,997,794, 8–29–61, Cl. 35—39.

Burr, John G., and J. D. Strong, to United States of America, Atomic Energy Commission. Method of stabilizing polyphenyl coolants. 3,009,881, 11–21–61, Cl. 252—73.

Burr, Robert P.: *See*—
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Burr, Robert P., to Hazeltine Research, Inc. Color television-signal conversion apparatus. 2,995,620, 8–8–61, Cl. 178—5.4.

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Easy, Maurice H., Burr, and Street. 2,997,706.

Burrell, Ellis: *See*—
Power, Walter C., and Burrell. 3,000,310.

Burrell, Ellis, to United States of America, Navy. Spherical pellet delay device. 2,971,463, 2–14–61, Cl. 102—70.2.

Burrell, Frank C., to General Motors Corp. Automatic vehicle brake adjuster. 2,981,379, 4–25–61, Cl. 188—79.5.

Burrell, Gilbert, to General Motors Corp. Induction means. 3,014,470, 12–26–61, Cl. 123—52.

Burritt, Silvius, Jr., and H. P. Pichler, to The Oscar C. Rixson Co. Metering valve. 2,992,808, 7–18–61, Cl. 251—205.

Burritt, Silvius, Jr., and D. H. Ellis, to The Oscar C. Rixson Co. Method of making roller bearings. 2,998,635, 9–5–61, Cl. 29—148.4.

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Baker, Corwin W., and Sillars. 3,008,108.
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Chen, Tung C. 2,969,528.
Clark, Edward G. 2,973,438.
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Cola, Rudolph A. 2,977,541.
Crane, Hewitt D. 2,968,030.
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Holladay, Forrest E. 3,002,688.
Howard, John H. 2,975,966.
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Innes, Frank T. 3,000,555.
Jones, Richard H. 2,981,467.
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Joyce, Cecil R. 2,974,368.
Kaiser, Norman W., and Zimmerman. 3,007,822.
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Maidment, Earl P. 2,995,366.
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McCauley, John H. 2,969,270.
McCauley, John H. 2,977,176.
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McGuire, Thomas B., and Parks. 2,997,247.
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Ogle, James A. 2,981,140.
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Pasinski, Arthur M. 2,978,172.
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Phelan, Roy L. 2,972,444.
Poch, Joseph A. 2,993,847.
Relis, Matthew J. 2,983,848.
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Burroughs Wellcome & Co. (U.S.A.) Inc.: *See*—
De Beer, Edwin J., Ellis, and Ide. 2,979,055.
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Openshaw, Harry T., and Whittaker. 3,009,918.

Burrows, Arthur T. C., to Geo. W. King, Ltd. Floor conveyor systems. 3,009,994, 11–21–61, Cl. 200—33.

Burrows, Dale L., to United States of America, National Aeronautics and Space Administration. Insulating structure. 3,012,407, 12–12–61, Cl. 62—45.

Burrows, Godfrey, to General Motors Corp. Vehicle frame. 3,000,650, 9–19–61, Cl. 280—106.

Burrows, John W.: *See*—
Gaugler, Edward A., and Burrows. 2,997,647.

Burrows, Kathryn F. Meat grip. 2,992,667, 7–18–61, Cl. 146—216.

Burrows, Milford D., and W. F. Fieber, to Food Machinery and Chemical Corp. Detachable power unit for lawn and garden attachments. 2,975,839, 3–21–61, Cl. 172—125.

Burrows, Milford D., and W. F. Fieber, to Food Machinery and Chemical Corp. Agricultural and gardening implement. 2,997,890, 8–29–61, Cl. 74—242.13.

Burrus, Charles A., to Bell Telephone Laboratories, Inc. Electric switch. 3,002,069, 9–26–61, Cl. 200—112.

Bursak, George J. Combined shear and heat seal apparatus. 2,999,532, 9–12–61, Cl. 154—42.

Bursak, George J. Continuous belt feed, heat sealing apparatus. 3,011,934, 12–5–61, Cl. 154—42.

Burski, Leonard J. G., to The Superior Electric Co. Load control circuit. 2,994,815, 8–1–61, Cl. 323—8.

Burson, Bayard T., and A. I. Morrison, to Engineered Electronics Co. Electronic structure. 2,986,675, 5–30–61, Cl. 317—101.

Burst, John F., Jr., and J. M. Braunagel, to Shell Oil Co. Spectra recording. 3,015,027, 12–26–61, Cl. 250—51.5.

Burstein, Albert, to Radio Corp. of America. Clutch control. 2,973,846, 3–7–61, Cl. 192—22.

Burstein, Albert, to Radio Corp. of America. Escapement mechanism. 2,998,873, 9–5–61, Cl. 192—40.

Burstlein, Eugene M., to Societe des Acieries de Longwy (Societe Anonyme). Method for differentially heating a screening surface. 2,989,182, 6–20–61, Cl. 209—238.

Burstow, Pierre, to Compagnie Industrielle des Telephones. Polarised magnetostatic relay. 2,999,946, 9–12–61, Cl. 307—88.

Burstow, Pierre, and C. Monin, to Compagnie Industrielle des Telephones. Identifying testing or discriminating device. 2,967,212. 1–3–61. Cl. 179—18.

Burt, Donald A., and J. W. Cook, to Westinghouse Electric Corp. Control system for a load positioning device. 2,980,264, 4–18–61, Cl. 212—132.

Burt, Edgar A., to Orr & Sembower, Inc. Burners. 2,989,119, 6–20–61, Cl. 158—118.

Burt, F. N., Co., Inc.: *See*—
Trelford, Franklyn B. 2,995,991.

Burt, Farlow B., to The Bendix Corp. Positive displacement pump. 3,007,419, 11–7–61, Cl. 103—136.

Burt, Farlow B., C. Sung, and J. R. Farron, to The Bendix Corp. Pump construction. 2,985,110, 5–23–61, Cl. 103—136.

Burt, George H.: *See*—
Feldkamp, John G., Burt, and Hager. 3,003,296.

Burt Machine Co., Inc.: *See*—
Henthorn, Victor H. 2,978,091.

Burt, Ralph D., to Syntron Co. Shunt rheostat control of a vibratory motor. 3,010,061, 11–21–61, Cl. 318—132.

Burt, Robert V., to The Procter & Gamble Co. Apparatus for arranging and stacking containers. 2,997,187, 8–22–61, Cl. 214—6.

Burt, Robert V., to The Procter & Gamble Co. Tablet press. 3,014,240, 12–26–61, Cl. 18—21.

Burt, Roger A.: *See*—
Rosenberg, Jack, McCoy, Scuitto, and Burt. 2,998,190.

Burt, William C., to Clair Mfg. Co., Inc. Abrasive cylinder wrap tension adjustment. 2,984,954, 5–23–61, Cl. 51—194.

Burt, William G., Jr., to General Communication Co. Force measuring instrument. 2,992,561, 7–18–61, Cl. 73—453.

Burtner, Robert R., to G. D. Searle & Co. 3,7-dioxygenated 3α-methyl-3-benz[e] indanecarboxylic acids and lactones. 2,971,009, 2–7–61, Cl. 260—343.6.

Burtner, Robert R., and L. N. Nysted, to G. D. Searle & Co. 3-oxygenated 17-amino-17-carboxyethylandrostane lactams and Δ4 compounds corresponding. 3,001,986, 9–26–61, Cl. 260—239.5.

Burtnett, Everett R., to Borg-Warner Corp. Power transmitting mechanism. 2,995,954. 8–15–61, Cl. 74—677.

Burtnett, Everett R., to Borg-Warner Corp. Transmission mechanism. 3,000,234, 9–19–61, Cl. 74—688.

Burton-Dixie Corp.: *See*—
Raszinski, Harvey F. J. 2,972,154.
Sevcik, John G. 3,003,158.
Weidner, Urban A. 2,972,754.

Burton, Drury R., to The Dow Chemical Co. Mouth closure means for bags comprising heat sealable material. 3,001,689, 9–26–61, Cl. 229—62.

Burton, George M., to Pastushin Aviation Corp. Aircraft mechanism for holding and ejecting a store. 2,977,149, 3–28–61, Cl. 294—83.

Burton, Joe C., to The Nitragin Co., Inc. Seed pellet containing inoculant. 2,995,867, 8–15–61, Cl. 47—1.

Burton, Joe M., to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,973,713, 3–7–61, Cl. 102—70.

Burton, Joe M., to Phillips Petroleum Co. Solid rocket propellant compositions. 2,991,167, 7–4–61, Cl. 52—.5.

Burton, Joe M., to Phillips Petroleum Co. Ignition delay reducing agents for hypergolic rocket fuels. 2,993,334, 7–25–61, Cl. 60—35.4.

Burton, Joe M., to Phillips Petroleum Co. Additives for nitric acid. 2,994,190, 8–1–61, Cl. 60—35.4.

Burton, Joe M., and H. M. Fox, to Phillips Petroleum Co. Reaction motor fuel. 2,993,335, 7–25–61, Cl. 60—35.4.

Burton, John A., to Crown Zellerbach Corp. Two-roll towel dispensing cabinet. 3,007,650, 11–7–61, Cl. 242—55.3.

Burton, John A., and A. P. Tarasoff. Fire hose hanger. 2,972,462, 2–21–61, Cl. 248—80.

Burton, Mutual, Sr. School crossing guard rail. 2,969,604, 1–31–61, Cl. 39—92.

Burton, Robert E., to Union Lumber Co. Process of preparing a soil conditioner from subdivided bark. 2,995,434, 8–8–61, Cl. 71—12.

Burton, Robert V., to Minneapolis-Honeywell Regulator Co. Time modulated hydraulic servo valve. 2,996,045, 8–15–61, Cl. 121—38.

Burton-Rodgers, Inc.: *See*—
Koch, John H. 2,985,968.

Burton, Samuel D.: *See*—
Ksieski, Kazimierz T., and Burton. 2,982,299.

Burton, William P.: *See*—
Loughran, Robert T., and Burton. 2,968,612.

Bury, Elmer J.: *See*—
Elliott, Eugene W., and Bury. 3,006,263.

Bury, Harry, to The General Electric Co. Ltd. Refrigerating systems. 2,979,923, 4–18–61, Cl. 62—476.

Bury, Nellie V., G. R. Serrao, and R. M. Koval. Garment hanger. 3,008,615, 11–14–61, Cl. 223—93.

Bus, Johannes A., to N.V. Utrechtsche Machinale Stoel-En Meubelfabriek "U.M.S." Knockdown furniture connector. 2,967,747, 1–10–61, Cl. 312—257.

Busby, Lawrence A., to General Dynamics Corp. Transistor squelch circuit. 3,011,052, 11–28–61, Cl. 250—20.

Busby, Leslie R., to C. E. T. Cridland, and E. A. Corbett. Cocks, taps, valves and the like. 2,991,972, 7–11–61, Cl. 251—175.

Busby, Leslie R., and D. G. H. King, to C. E. T. Criolland and E. A. Corbett. Taps, cocks and the like. 2,970,804, 2–7–61, Cl. 251—175.

Busch, Aloysius J., H. D. Cahill, and O. Myers, to Bell Telephone Laboratories, Inc. Message transmission with privacy. 3,012,099, 12–5–61, Cl. 179—1.5.

Busch, Andreas. Method and apparatus for coating metals. 2,978,355, 4–4–61, Cl. 117—50.

Busch, Charles R., to Buffalo Brake Beam Co. Railway car brake mechanisms. 2,975,869, 3–21–61, Cl. 188—59.

Busch, Frank R. Binde baffled two-cycle engine. 2,979,045, 4–11–61, Cl. 123—65.

Busch, Richard E., to Clary Corp. Anti-jamming device for feeding paper. 2,973,957, 3–7–61, Cl. 271—2.1.

Busch, Thomas N. Pneumatic mud tire. 3,012,598, 12–12–61, Cl. 152—208.

Busch, Thomas N., and D. W. and B. E. Jasper. Method and apparatus for harvesting trees. 2,981,301, 4–25–61, Cl. 144—3.

Buschers, Herbert H., P. C. Medina, and R. W. Wilson, to The Martin Co. Rapid firing recoilless bomb projecting device. 2,979,991, 4–18–61, Cl. 89—1.5.

Buschhorn, Walther, and W. H. Deutschmann. Centrifugal pump and method of its production. 2,976,809, 3–28–61, Cl. 103—103.

Buschman, E. W., Co., The: *See*—
Vogt, Rudolph B. 2,976,089.

Buschmann, Erwin C., and J. F. Norton, to General Electric Co. X-ray emission analysis. 3,005,098, 10–17–61, Cl. 250—51.5.

Buschmann, Karl: *See*—
Steinhofer, Adolf, Buschmann, and Unterstenhoefer. 3,005,857.

Buselli, Alio J.: *See*—
Lowell, Arthur I., Buselli, and Taylor. 3,005,809.
Rutledge, Thomas F., Baselli, and McNabney. 2,997,495.

Buser, Rudolf, and H. Kaufmann, to Siemens & Halske Aktiengesellschaft. Apparatus for signaling individual impulses of short duration. 2,983,905, 5–9–61, Cl. 340—174.

Buseth, Richard A.: *See*—
Abbey, John C., and Buseth. 2,983,526.

Bush, Albert E., and N. L. Vacano. Heat exchange tank. 2,988,334, 6–13–61, Cl. 257—208.

Bush, Arthur J.: *See*—
Zibritosky, George, and Bush. 2,969,710.

Bush, Eric L.: *See*—
Sterling, Henley F., and Bush. 2,993,762.

Bush, Eric L., to International Standard Electric Corp. Manufacture of pure silicon. 2,987,139, 6–6–61, Cl. 183—114.2.

Bush, Forest L.: *See*—
Martz, Lyle F., and Bush. 2,992,559.

Bush, George B., to United States of America, Navy. Roll stabilization system. 3,000,598, 9–19–61, Cl. 244—14.

Bush, George L.: *See*—
Haselton, Merton L., and Bush. 3,011,153.

Bush, Jack D., to Callery Chemical Co. Preparation of dialkoxyboranes. 3,014,060, 12–19–61, Cl. 260—462.

Bush, Jack D., R. A. Carpenter, and W. H. Schechter, to Callery Chemical Co. Preparation of dialkoxy boranes. 3,014,059, 12–19–61, Cl. 260—462.

Bush, Paine L. Fishing reel securing means. 2,967,370, 1–10–61. Cl. 43—22.

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Elphick, George S. 3,000,286.

Bush, Rankin J.: *See*—
Jefferson, Glen V., and Bush. 2,987,613.
Logan, John W., Jr., and Bush. 3,004,528.

Bush, Rankin J., to Westinghouse Air Brake Co. Track instruments. 2,972,045, 2–14–61, Cl. 246—248.

Bush, Robert C., to Corning Glass Works. Shipping and display package. 2,978,099, 4–4–61, Cl. 206—65.

Bush, Robert G.: *See*—
Gerlach, Carl J., and Bush. 3,009,298.

Bush, Stanley B., to Allied Chemical Corp. Process for treating coke oven gas. 2,972,393, 2–21–61, Cl. 183—120.

Bush, Vannevar. Gas lubricated free piston engines with supercharging arrangements. 2,983,098, 5–9–61, Cl. 60—13.

Bush, Vannevar. Free piston engine power unit. 3,005,306, 10–24–61, Cl. 60—13.

Bush, Vern F. Anchor pile. 3,012,644, 12–12–61, Cl. 189—92.

Bush, Warren V.: *See*—
Shaw, Alfred W., Holzman, and Bush. 3,006,976.

Bush, Wilbert G.: *See*—
Carrigan, Tracy, and Bush. 3,003,246.

Bushell, Charles H. G., and H. E. Jackson, to Nova Beaucage Mines Ltd. Flotation process. 2,975,895, 3–21–61, Cl. 209—166.

Bushey, Thomas N.: *See*—
Wolter, Harry A., and Bushey. 2,989,090.

Bushmeyer, Richard W., and C. E. Henson, Jr., to J. I. Case Co. Agricultural implement. 2,990,892, 7–4–61, Cl. 172—404.

Bushnell, Collins E., and J. A. Parker, to Armstrong Cork Co. Color stable lacquer comprising vinyl chloride resin and 1,3-butylene adipate. 2,980,642, 4–18–61, Cl. 260—31.6.

Bushnell, James D., to Esso Research and Engineering Co. Hydrofining of middle distillate feed stock. 2,998,381, 8–29–61. Cl. 208—216.

Bushong, Harry F., to Studebaker-Packard Corp. Automobile arm rest. 3,004,586, 10–17–61, Cl. 247—412.

Bushrod, Charles J., to Chloride Batteries Ltd. Tubular type plates for electric accumulators. 2,981,783, 4–25–61, Cl. 136—146.

Bushway, George H. Roasting machine. 2,975,527, 3–21–61, Cl. 34—87.

Bushway, George H. Corn popping machine. 2,984,169, 5–16–61, Cl. 99—238.5.

Busignies, Henri G.: *See*—
Deloraine, Edmond M., and Busignies. 3,015,096.

Busignies, Henri G., to International Telephone and Telegraph Corp. Position finding system. 2,971,190, 2–7–61, Cl. 343—112.

Buskes, Willem M. Photographic transfer printing plates. 3,010,389, 11–28–61, Cl. 101—149.2.

Buskes, Willem M. Planographic printing plates. 3,010,390, 11–28–61, Cl. 101—149.2.

Buskes, Willem M., M. M. van Rhijn, and T. P. W. Sanders, to Chemische Fabriek L. Van der Grinten N.V. Light-sensitive sheets and process for producing transfer images. 3,010,391, 11–28–61, Cl. 101—149.2.

Buskirk, John E., R. E. Hittle, and R. P. Tippey, to General Motors Corp. Vent plug. 2,994,731, 8–1–61, Cl. 136—163.

Busler, Willard L., to AMP Inc. Taper pin extracting tool. 2,976,608, 3–28–61, Cl. 29—254.

Buslik, Walter S., to International Business Machines Corp. Magnetic scanner. 2,985,863, 5–23–61, Cl. 340—149.

Buslik, Walter S., to International Business Machines Corp. Sheet separating and feeding apparatus. 3,008,709, 11–14–61, Cl. 271—10.

Buslik, Walter S., and J. A. Weidenhammer, to International Business Machines Corp. Sheet conveying and aligning apparatus. 3,012,775, 12–12–61, Cl. 271—52.

Busnel, René-Guy. Acoustic attraction of carnivorous fish. 2,977,705, 4–4–61, Cl. 43—17.1.

Busquet, Jan C., to Koninklijke Machinefabriek Gebr. Stork & Co., N.V. Impellers for centrifugal fans. 2,975,962, 3–21–61, Cl. 230—127.

Busquet, Jan C., to Koninklijke Machinefabriek Gebr. Stork & Co. N.V. Furnaces. 2,990,791, 7–4–61, Cl. 110—162.

Busquet, Jan C., to Koninklijke Machinefabriek Gebr. Stork & Co. N.V. Axial flow fans. 3,006,417, 10–31–61, Cl. 170—160.23.

Busquet, Jan C., to Koninklijke Maschinenfabriek Gebr. Stork & Co. N.V. Axial flow fans. 3,009,630, 11–21–61, Cl. 230—114.

Buss, Benjamin A., to American Machine and Metals, Inc. Laundry machines. Re. 24,979, 5–2–61, Cl. 270—69.

Buss, Benjamin A., to American Machine and Metals, Inc. Laundry loading machines. Re. 24,980, 5–2–61, Cl. 270—69.

Buss, Benjamin A., to American Machine and Metals, Inc. Laundry folding machine lane control means. Re. 25,009, 7–18–61, Cl. 270—69.

Buss, Benjamin A., to American Machine and Metals, Inc. Laundry folding machines. 2,969,233, 1–24–61, Cl. 270—69.

Buss, Benjamin A., to American Machine and Metals, Inc. Automatic laundry machine having article cooling means. 3,013,421, 12–19–61, Cl. 68—12.

Buss, Benjamin A., to American Machine and Metals, Inc. Laundry machine. 3,013,765, 12–19–61, Cl. 251—29.

Buss, Benjamin A., and J. E. Krynski, to American Machine and Metals, Inc. Laundry machines. 2,972,510, 2–21–61, Cl. 8—159.

Buss, Benjamin A., and J. E. Krynski, to American Machine and Metals, Inc. Laundry machine. 2,974,514, 3–14–61, Cl. 68—58.

Buss, Benjamin A., and P. J. Scott, to American Machine and Metals, Inc. Laundry folding machines. 2,993,693, 7–25–61, Cl. 270—69.

Buss, Wilhelm, ½ to P. O. Tobeler, d.b.a. Trans-Oceanic. Parachute combination and ejection device. 2,979,294, 4–11–61, Cl. 244—148.

Bussard, Adrien H.: *See*—
Gruber, Helmut, Scheidig, Pieper, Mueller, and Bussard. 2,976,339.

Bussard, Adrien H., and G. Muller, to W. C. Heraeus, G.m.b.H. Method of operating vacuum induction furnace. 3,014,255, 12–26–61, Cl 22—209.

Busse, Harold M., to Sonotone Corp. Ear insert hearing aid. 2,971,065, 2–7–61, Cl. 179—107.

Busse, Warren F., and G. H. Bowers, III., to E. I. du Pont de Nemours and Co. Thermoplastic resins containing finely divided fibrous polytetrafluoroethylene. 3,005,795, 10–24–61, Cl. 260—45.5.

Bussert, Jack F.: *See*—
Little, Randel Q., Jr., and Bussert. 2,976,207.

Bussert, Jack F., to Standard Oil Co. Compositions and methods employing insecticidal oil soluble organic carbylamines. 3,012,932, 12–12–61, Cl. 167—22.

Bussey, Howard C., to General Electric Co. Digital-to-analog converter. 3,014,211, 12–19–61, Cl. 340—347.

Bussey, William H., to Stoner Investment Inc. Induction heating apparatus. 2,995,642, 8–8–61, Cl. 219—10.69.

Bussing, Harold B., to Union Steel Products Co. Portable grill. 2,994,315, 8–1–61, Cl. 126—9.

Bustin, William M., to Esso Research and Engineering Co. Measurement of potential gradients. 2,969,503, 1–24–61, Cl. 324—72.

Bustraan, Daniel J.: *See*—
Fauth, Frederick E., and Bustraan. 2,967,551.

Buswell, Richard F., to United Aircraft Corp. Can burner design. 3,000,182, 9–19–61, Cl. 60—39.65.

Butcher Polish Co., The: *See*—
Miller, Clarence S. 3,005,219.

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Butera, Charles A. Hand attached paddle. 2,987,316, 6–6–61, Cl. 273—67.

Butkiewicz, Sophie. Pom pon ring. 3,000,074, 9–19–61, Cl. 28—2.

Butler, Charles E. Diving darts game. 3,014,723, 12–26–61, Cl. 273—102.

Butler, Charles W.: *See*—
Parker, Warren H. 2,976,909.

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Butler, Francis E., and S. Wolf, to United States of America, Navy. Watertight electrical connector. 2,991,441, 7–4–61, Cl. 339—106.

Butler, Frank, and H. Boulton, to United Kingdom Atomic Energy Authority. Mixing machines. 2,984,461, 5–16–61, Cl. 259—32.

Butler, Frederick M. and J. T. Hospital patient lift attachment. 2,975,434, 3–21–61, Cl. 5—86.

Butler, George V., to Chance Vought Corp. Missile launching systems for aircraft. 2,975,676, 3–21–61, Cl. 89—1.7.

Butler, Gray L., to Otto Bernz Co., Inc. Lawn sprinkler. 2,969,922, 1–31–61, Cl. 239—242.

Butler, Gray L., to Scovill Mfg. Co. Sealing rings. 2,977,166, 3–28–61, Cl. 309—4.

Butler, Hardie T., Jr. Golf game device. 3,000,636, 9–19–61, Cl. 273—176.

Butler, Hardie T., Jr. Hub cap ornament. 3,005,906, 10–24–61, Cl. 240—8.12.

Butler, Henry J., to Dunlop Rubber Co. Ltd. Disc brakes. Re. 24,996, 6–6–61, Cl. 188—73.

Butler, Henry J., to Dunlop Rubber Co. Ltd. Disc brakes. 2,983,337, 5–9–61, Cl. 188—73.

Butler, Henry J., to Dunlop Rubber Co. Ltd. Automatic adjusting devices. 2,984,319, 5–16–61, Cl. 188—73.

Butler, Henry J., to Dunlop Rubber Co. Ltd. Braking system for rolling stock. 2,989,152, 6–20–61, Cl. 188—195.

Butler, Henry J., to Dunlop Rubber Co. Ltd. Disc brakes. 3,005,522, 10–24–61, Cl. 188—73.

Butler, Jesse L.: *See*—
Ayer, Donald R., Butler, and Dahlgren. 2,994,050.

Butler, Jesse L., to Sanders Associates, Inc. Three conductor planar antenna. 3,002,189, 9–26–61, Cl. 343—793.

Butler, John M.: *See*—
Zopf, George W., Jr., Johnson, Hedrick, Fields, and Butler. 2,977,334.

Butler, Jule T.: *See*—
Butler, Frederick M. and J. T. 2,975,434.

Butler, Keith H., to Sylvania Electric Products Inc. Image storage device. 3,015,036, 12–26–61, Cl. 250—213.

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Donague, William J., Jr., Erickson, and Butler. 2,996,009.

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Butler, Ralph R., to Hammermill Paper Co. Combination carton and tray for paper. 2,989,221, 6–20–61, Cl. 229—15.

Butler, Rex B., to United States of America, Navy. Rotating band and seat therefor. 2,996,012, 8–15–61, Cl. 102—93.

Butler, Richard A., Jr. Splicing machine. 3,003,542, 10–10–61, Cl. 154—42.3.

Butler, Richard G.: *See*—
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Butler, Richard K., to Machinecraft, Inc. Apron guiding means for spinning frames. 2,977,643, 4–4–61, Cl. 19—131.

Butler, Richard K., to Machinecraft, Inc. Top roll weight testers. 2,992,555, 7–18–61, Cl 73—141.

Butler, Roger M., and J. A. Bichard, to Esso Research and Engineering Co. Hydroforming using a platinum on alumina base catalyst. 2,984,619, 5–16–61, Cl. 208—139.

Butler, Stanley, and D. L. L. Marsh. Pop guns. 3,003,281, 10–10–61, Cl. 46—178.

Butler, Vaughn H., to Burlington Industries, Inc. Vacuum attachment for dial looping machine. 2,989,935, 6–27–61, Cl. 112—252.

Butler, Vaughn H., to Burlington Industries, Inc. Yarn tensioning device 3,014,356, 12–26–61, Cl. 66—146.

Butler, Vernon A.: *See*—
Eppley, Donald F., and Butler. 2,982,540.

Butler, William R., P. E. Freeman, and R. L. Flucker, to Aluminum Co. of America. Screen type structures. 2,995,224, 8–8–61, Cl. 189—82.

Butsch, Alfred G., to General Electric Co. Refrigeration apparatus. 3,006,156, 10–31–61, Cl. 62—227.

Butscher, Frank W., to United States Steel Corp. Adjustable self-centering roll. 3,005,583, 10–24–61, Cl. 226—192.

Butt, Frederick J., and C. L. Moyle, to The Dow Chemical Co. Disinfectant compositions. 3,002,883, 10–3–61, Cl. 167—31.

Buttacavole, Louis J., and L. De George. Toy vehicle simulating an airplane. 3,005,639, 10–24–61, Cl. 280—1.12.

Butter, Francis J., to Josiah Parkes & Sons Ltd. Latch mechanism. 2,990,209, 6–27–61, Cl. 292—169.

Butterfield, Floyd. In row cultivator. 2,990,890, 7–4–61, Cl. 172—43.

Butterfield, Louis M. Machine for grading articles by weight. 3,010,578, 11–28–61, Cl. 209—121.

Butterfield, Walter E.: *See*—
Allen, John K., and Butterfield. 2,972,559.
Butterfill, Sydney T.: *See*—
Sharp, Andrew, Butterfill, and Campbell. 2,982,462.
Butterworth, Archibald J. Change speed gears for automobiles. 2,971,403, 2–14–61, Cl. 74—700.
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Cords, Helmuth, Megna, Grant, and Butterworth. 2,971,891.
Buttery, Kenneth T., to Sutherland Paper Co. Packaged carton. 2,990,993, 7–4–61, Cl. 229—16.
Buttery, Kenneth T., to KVP Sutherland Paper Co. Dispensing cartons. 3,002,667, 10–3–61, Cl. 225—48.
Buttery, Kenneth T., and T. Vander Lugt, Jr., to KVP Sutherland Paper Co. Carton. 2,980,316, 4–18–61, Cl. 229—87.
Buttler, John A. Combination muffler and after burner. 2,981 057. 4–25–61, Cl. 60—29.
Büttner, Artur, to Schnellpressenfabrik Aktiengesellschaft Heidelberg. Sucker bars. 2,986,392, 5–30–61, Cl. 271—26.
Buttner, Carl M., to Robbins & Myers, Inc. Baseboard heater and the like. 2,988,626, 6–13–61, Cl. 219—39.
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Stamm, Robert F., and Button. 2,999,414.
Buttress, Ralph E.: *See*—
Worn, David K., and Buttress. 3,000,802.
Buttress, Ralph E., B. Keegan, and G. R. Stuart, to The International Nickel Co., Inc. Production of hollow turbine blades. 3 014,823. 12–26–61. Cl. 148—11.5.
Butts, Anderson W. Distributor cap. 3,001,035, 9–19–61, Cl. 200—19.
Butts, Bruce D., to Texas Instruments Inc. Thermally responsive actuator. 2,990,716, 7–4–61, Cl. 73—363.
Butts, Jerrold L., to Rome Specialty Co., Inc. Archery sighting device. 2,987,820, 6–13–61, Cl. 33—46.
Butts, Mervin R., to General Motors Corp. Refrigerating apparatus. 2,986,017, 5–30–61, Cl. 62—217.
Butzow, Ralph. All season precipitation gauge. 2,997,876. 8–29–61 Cl. 73—171.
Butzow, Ross C. Scoop holder. 2,988,317, 6–13–61, Cl. 248—309.
Buuck, Walter L. Scarifier attachments for bull-dozer blades. 2,996.818. 8–22–61, Cl. 37—145.
Buurman, Aart: *See*—
Limburg, Pieter C., Buurman, and Vroom. 2,978,292.
Buurman, Aart, R. A. Vroom, and P. C. Limburg, to American Enka Corp. Manufacture of viscose rayon. 2,970,883, 2–7–61, Cl. 18—54.
Buus, Harold W., to Indiana General Corp. Method and means for variation of magnetic strength of permanent magnetic drums. 2,992,737, 7–18–61, Cl. 209—223.
Buus, Harold W., and W. G. Luedtke, to Indiana General Corp. Magnetic pulley and permanent magnet therefor. 2,992,733, 7–18–61, Cl. 209—219.
Buus, Harold W., and F. S. Greenwald, to Indiana General Corp. Magnetic separator. 2,992,736, 7–18–61, Cl. 209—223.
Buxton, Dolores E., to The Glemby Co., Inc. Mirror with means for adjustably flexing same. 3,004,472, 10–17–61, Cl. 88—76.
Buxton, Earl V., Jr. Open-end, slidable jaw face wrench. 2,983,173, 5–9–61, Cl. 81—179.
Buxton, Elliott R., and G. W. Sargent, to North American Aviation, Inc. Parallel drive actuator for flight control systems. 2,987,048, 6–6–61, Cl. 121—41.
Buxton, Frank M. Means for securing concrete wall forms in position. 2,977,659, 4–4–61, Cl. 25—131.
Buxton Inc.: *See*—
Collings, Dana B. 2,968,176.
Buyer, Walter, to The Ridge Tool Co. Pipe threading die support having limited pivotal movement on frame carried sleeve. 3,002,205, 10–3–61, Cl. 10—89.
Buyer, Walter, to The Ridge Tool Co. Carriage for threading die having adjustable positioning means for supporting the die. 3 009,178, 11–21–61, Cl. 10—89.
Buys, James F. Bottle holder. 2,985,330, 5–23–61, Cl. 215—100.
Buzak, Albert J., to The Thomas & Betts Co. Grounding clip. 3,004,095, 10–10–61, Cl. 174—51.
Buzard, Robert S., to United States of America, Navy. Temperature compensating mechanism for servo devices. 2,966,892. 1–3–61, Cl. 121—46.5.
Buzicky, Edmund J.: *See*—
Swanson, Donald F., and Buzicky. 2,999,369.
Buzicky, Edmund J., to Whirlpool Corp. Rotary type ice cube maker. 2,967,406, 1–10–61, Cl. 62—340.
Buzicky, Edmund J., to Whirlpool Corp. Wire package racks with adjustable dividers. 2,989,190, 6–20–61, Cl. 211—49.
Buzzan, Murrel W. Rotating drum ammoniator with internal mechanical scraper. 2,976,125, 3–21–61, Cl. 23—259.1.
Buzzell, Dow A., and R. L. Bloor. Means and method for molding concrete sections of hydraulic concrete structures. Re. 25,102, 12–26–61, Cl. 25—131.
Buzzell, Harold O., to Polaroid Corp. Headlight control system for automotive vehicles. 2,968,743, 1–17–61, Cl. 315—83.
Buzzell, Henry W., to Dominion Bridge Co., Ltd. Canal lock fenders. 3,010,284, 11–28–61, Cl. 61—8.
Buzzelli, John L.: *See*—
Macklem, Walter C., Buzzelli, and McFarlane. 3,008,864.
Byam, Erwin B.: *See*—
Mitchell, Robert F., and Byam. 2,983,152.
Byam, Erwin B., to Textron Inc. Transfer mechanism for progressive headers. 2,985,897, 5–30–61, Cl. 10—12.
Bybee, Charles L., and C. L. Vance. Adjustable scaffold support. 2,967,585, 1–10–61, Cl. 182—184.
Bycer, Manuel M., and F. W. Kulicke, Jr., to Kulicke & Soffa Mfg. Co. Pantograph type micro-positioner. 3,006,245, 10–31–61, Cl. 88—40.
Bychinsky, Wilfred A., to General Motors Corp. Preignition detection system and spark plug therefor. 2,977,498, 3–28–61, Cl. 313—134.
Bye, Stanley J.: *See*—
Schulze, John H., and Bye. 3,000,386.
Byer, Jonah J. Weight distribution measuring device. 2,976,725. 3–28–61, Cl. 73—172.
Byerley, Wilbur M., and H. J. Wolff, to Westinghouse Electric Corp. Anti-vibration structure for heat exchanger tubes. 3,007,679. 11–7–61, Cl. 257—239.
Byerly, Coy M., to Hughes Aircraft Co. Waveform generator having independent control of initial slope and final amplitude. 2,996,679, 8–15–61, Cl. 328—178.
Byers Color Laboratory, Inc.: *See*—
Tall, Leonard H. 2,997,168.
Byers, James O., Jr.: *See*—
Chapman, James R., Jr., and Byers. 2,977,982.
Bygdnes, Perry A., to Ampex Corp. Spring torque tape transport system. 2,996,264, 8–15–61, Cl. 242—55.14.
Byington, Ralph L.: *See*—
Bercaw, William R., and Byington. 2,994,168.
Bercaw, William R., and Byington. 2,994,170.
Byk-Gulden Lomberg Chemische Fabrik G.m.b.H.: *See*—
Dreher, Emil. 2,973,382.
Zellner, Hugo. 2,994,640.
Byles, Theodore A., to Motorola, Inc. Current limiter for generators. 2,996,655, 8–15–61, Cl. 322—25.
Bylsma, Harold R.: *See*—
Chisholm, Douglas S., and Bylsma. 3,003,193.
Bynum, Frank A., to Halliburton Oil Well Cementing Co. Check valve for a heavy duty pump. 2,983,281, 5–9–61, Cl. 137—543.23.
Byrd, Berry L., Jr. Pipe bending rack. 2,998,838, 9–5–61, Cl. 153—32.
Byrd, Herbert M.: *See*—
Reid, Edward S., Davis, Gray and Byrd. 2,991,533.
Byrd, John F., and C. U. Falco, to Radio Corp. of America. Noise suppressor for theater sound reproduction. 2,972,022, 2–14–61, Cl. 179—100.1.
Byrne, Daniel: *See*—
O'Brien, William P., and Byrne. 3,001,326.
Byrne Doors Inc.: *See*—
Urquhart, Thornton L. 2,987,144.
Byrne, John F., to Motorola, Inc. Preassembled interconnecting module circuit. 2,989,623, 6–20–61, Cl. 250—14.
Byrne, John J., and R. W. Cruger, to E. W. Bliss Co. Aircraft arresting system. 2,977,076. 3–28–61, Cl. 244—110.
Byrnes, Herbert P.: *See*—
Schroeder, Charles E., and Byrnes. 2,975,307.
Byrnes, Irving F., and C. E. Moore, to Radio Corp. of America. Radar. 2,991,466, 7–4–61, Cl. 343—11.
Byrnes, Richard J., and N. Sadowski, to Cutler-Hammer, Inc. Article conveyors. 2,985.274, 5–23–61, Cl. 198—20.
Byrnes, Richard J., H. S. Montgomery, and N. Sadowski, to Cutler-Hammer, Inc. Diverter and operating mechanism for an article conveyor. 2,988,196, 6–13–61, Cl. 198—20.
Byrnes, Richard J., J. T. Pence, and B. O. Rae, to Cutler-Hammer, Inc. Memory type order filling conveyor systems. 3,011,621, 12–5–61, Cl. 198—78.
Byrnes, William P., to General Time Corp. Electrically powered balance mechanism. 3,002,139, 9–26–61, Cl. 318—132.
Byrnes, William P., and R. Witte, to General Time Corp. Electrically powered oscillatory balance. 3,002,138, 9–26–61, Cl. 318—132.
Byrns, Alva C., to Kaiser Aluminum & Chemical Corp. Production of cryolite. 2,994,582, 8–1–61. Cl. 23—88.
Byrns, Edson H., to Carrier Corp. Heat transfer apparatus. 3,008,693, 11–14–61, Cl. 257—236.
Bystricky, Joseph C., and W. G. Jennings, to Stewart-Warner Corp. Positive displacement centralized lubrication systems. 2,991,846. 7–11–61, Cl. 184—7.
Buzicky, Edmund J., to Whirlpool Corp. Continuous belt type ice cube maker. 2,990,697, 7–4–61, Cl. 62—345.

C.A.V. Ltd.: *See*—
Evans, Fraser M. 2,989,003.
Evans, Fraser M. 2,995,951.
Evans, Fraser M. 2,996,053.
Goldsmith, Charles N., and Barnes-Moss. 3,007,463.
Nicolls, Wilfrid E. W. 2,975,776.
Suiter, John R. 2,984,014.
Volossevich, George. 3,000,318.
Volossevich, George. 3,000,484.

C.D. Patents Ltd.: *See*—
Sawyer, Charles H. V., and Landeg. 2,977,020.

C.G.S. Laboratories, Inc.: *See*—
Dickinson, George S. 2,996,695.
Lee, Paul H. 2,967,281.
Smith-Vaniz, William R. 2,978,624.
Smith-Vaniz, William R., Jr. 2,996,577.
Sontheimer, Carl G. 2,973,431.
Sontheimer, Carl G. 2,978,660.

C & H Supply Co.: *See*—
Ventre, Joseph L. 3,013,959.

C.I.C. Engineering Ltd.: *See*—
Turner, Frederick T. 2,973,553.

C.I.S.E. Centro Informazioni Studi Esperienze S.R.I.: *See*—
Cacciari, Alberto, De Leone, Fizzotti, and Gabaglio. 2,991,175.
C-M Equipment Corp.: *See*—
McCullough, Russell H. 2,998,747.
C-Mar Corp.: *See*—
Seemar, George H. 3,008,330.
CO_2 Land Healers, Inc.: *See*—
McGugin, Frank W., and Hedgpeth. 3,005,288.
CTS Corp.: *See*—
Allison, Kenneth C. 2,988,606.
Barden, Wayne A., and Arisman. 2,997,679.
Barden, Wayne A., Wagner, and Snyder. 2,969,443.
Bender, Stanley O. 2,999,991.
Boykin, Otis F. 2,972,726.
Di Girolamo, Joseph, and Arisman. 2,976,507.
Hartman, Clinton W., and Faber. 3,012,215.
Vaksvik, Adrian J. 3,012,213.
Cabbage, John T., to Phillips Petroleum Co. Hydrogenation unit control system. 2,977,288, 3–28–61, Cl. 196—132.
Cabbage, John T., to Phillips Petroleum Co. Defluorination of reaction products. 2,984,693, 5–16–61, Cl. 260—683.42.
Cabbage, John T., to Phillips Petroleum Co. Corrosion control in condensing systems. 2,990,431, 6–27–61, Cl. 260—667.
Cabell, Norman W., and J. E. Randall, to Gladding, McBean & Co. Apparatus for handling separated tile bodies. 2,970,360, 2–7–61, Cl. 25—2.
Cabin Crafts, Inc.: *See*—
McNamara, Roger J., and Sapp. 3,007,836.
Cable, Lelan B., Jr., and E. S. Dennison, to General Dynamics Corp. Flexible pipe coupling. 2,985,467, 5–23–61, Cl. 285—165.
Cabot Corp.: *See*—
Antonsen, Randolph. 2,984,547.
Beattie, Robert D., and Vivian. 2,982,620.
Boonstra, Bram B. S. T. 2,972,780.
Friauf, George F., and Thorley. 3,010,794.
Friauf, George F., and Thorley. 3,010,795.
Jordan, Merrill E. 2,982,621.
Jordan, Merrill E. 3,011,902.
Jordan, Merrill E., and Williams. 3,014,885.
Loftman, Kenneth A., and Thereault. 2,984,629.
McCray, Harold E. 2,985,432.
Orzechowski, Adam, and MacKenzie. 2,991,157.
Rogers, Joe Y., Jr., Brown, and Specht. 2,981,604.
Scott, Merl G. 2,982,378.
Secord, Robert N. 3,010,793.
Stokes, Charles A., and Secord. 3,007,774.
Vail, Robert St. P. 2,973,862.
Wilkinson, Alvin H. 2,990,136.
Wilkinson, Alvin H. 3,006,442.
Caccese, Richard M.: *See*—
Middents, John R., and Caccese. 3,005,483.
Cacciari, Alberto, R. De Leone, C. Fizzotti, and M. Gabaglio, to C.I.S.E. Centro Informazioni Studi Esperienze S.R.I. Production of metallic uranium and alloys thereof. 2,991,175, 7–4–61, Cl. 75—84.1.
Cacella, Arthur F., and H. L. White, to E. I. du Pont de Nemours and Co. Cellulose acetate composition. 2,999,760, 9–12–61, Cl. 106—184.
Cacheris, John C., to United States of America, Army. Reflection type single sideband modulator. 2,986,710, 5–30–61, Cl. 332—51.
Cacheris, John C., to United States of America, Navy. Energy decoupling of closely spaced radar antenna horns. 2,998,602, 8–29–61, Cl. 343—775.
Cackowski, Vincent H.: *See*—
Doty, Charles R., Smith, Tate, and Cackowski. 2,975,228.
Cadaco-Ellis Inc.: *See*—
Koch, Robert J. 2,998,975.
Caddell, Alfred M. Exhaust temperature air-cooling system. 2,984,967, 5–23–61, Cl. 60—30.
Caddell, Alfred M. Engine block with four-sided combustion chambers. 2,991,771, 7–11–61, Cl. 123—41.59.
Caddell, Alfred M. Impulse and reactive tip-driven rotor. 2,992,684, 7–18–61, Cl. 170—135.71.
Caddell, Alfred M. Centrifugal fluid cleaner. 3,005,515, 10–24–61, Cl. 183—17.
Caddell Alfred M. Reciprocating leading edge for airfoils and hydrofoils. 3,008,673, 11–14–61, Cl. 244—130.
Cadden, William J., and B. Ostendorf, Jr., to Bell Telephone Laboratories, Inc. Code translator. 2,982,953, 5–2–61, Cl. 340—347.
Caddock, Richard E., to Bourns Inc. Variable resistor. 3,010,092, 11–21–61, Cl. 338—309.
Cade, Phillip J.: *See*—
Thomson, Elihu C., and Cade. 3,012,150.
Cade, Richard L.: *See*—
Borsheim, Harold G., and Cade. 2,986,956.
Cadella, Anthony. Automatic hydraulic timer valve. 2,973,781, 3–7–61, Cl. 137—553.
Cadella, Anthony. Lawn sprinkler. 2,985,381, 5–23–61, Cl. 239—280.
Cadiou, Jean, to Societe Anonyme Andre Citroen. Hydraulic means for controlling high-amplitude oscillation for suspension systems. 2,985,444, 5–23–61, Cl. 267—15.
Cadiou, Jean G., to Societe Anonyme Andre Citroen. Free-piston machines. 2,991,773, 7–11–61, Cl. 123—46.
Cadle, Richard D.: *See*—
Jenkins, Hugh P., Moshier, and Cadle. 2,989,390.
Cadman, Corlis D., E. W. Notbohm, and R. J. Picha, to The Parker Pen Co. Engraving machine. 2,977,681, 4–4–61, Cl. 33—21.
Cadmus, Eugene L.: *See*—
Six, George J., Leddy, and Cadmus. 2,967,800.
Cadonau, Carl H., and L. E. Peik. Fluid distribution valves. 2,997,055, 8–22–61, Cl. 137—240.
Cadorin, Dante.: *See*—
Marullo, Gerlando, Perri, Tubiello, and Cadorin. 3,004,826.
Cadwallader, William M., and F. J. Perry, Jr. Seat for golf cart. 3,012,749, 12–12–61, Cl. 248—214.
Cadwell, Vyrl E. Quick attachable and detachable loader. 2,972,424, 2–21–61, Cl. 214—131.
Cady, Albert B., Jr.: *See*—
Fuller, Frank W. 3,012,514.
Cady, Charles A. Emergency power supply. 3,002,105, 9–26–61, Cl. 307—64.
Cady, John E.: *See*—
Harris, Wilbur E., and Cady 3,013,920.
Caendes, Ernest, to E. I. du Pont de Nemours and Co. Improved elastomer composition containing antioxidants. 2,970,128, 1–31–61, Cl. 260—41.5.
Cafarelli, Nicholas J., Jr., to International Telephone and Telegraph Corp. Doppler frequency position fixing method. 2,968,034, 1–10–61, Cl. 343—112.
Cafcas, Thomas H., and A. W. Lindert, to Standard Oil Co. Inhibited soluble-oil. 2,968,620, 1–17–61, Cl. 252—33.4.
Caffero, Edward M., to Columbia Electric & Mfg. Tubular lamp and socket housing juncture seal. 2,984,812, 5–16–61, Cl. 339—52.
Caffrey, James M., Jr., to United States of America, Atomic Energy Commission. Catalytic conversion of organic compounds using penetrating radiation. 3,002,910, 10–3–61, Cl. 204—154.
Caflisch, Christian, and F. Knapp, to Oerlikon Engineering Co. Synthetic resin compound and method of producing and using the same. 3,012,007, 12–5–61, Cl. 260—47.
Cage, James, to Reynolds Metals Co. Unitary sectional containers. 2,969,902, 1–31–61, Cl. 229—4.5.
Cage, John M.: *See*—
Hewlett, William R., and Cage. 3,014,135.
Cagen, George, to Roanwell Corp. Telephone handset hanger. 3,005,061, 10–17–61, Cl. 179—146.
Cagle, Boyd N.: *See*—
Oxley, Le Roy V., Blythe, Hammond, and Cagle. 3,003,694.
Cagle, Toby T., ⅛ to R. E. Astle, ⅛ to F. Lamb, ⅛ to R. B. Sprague, 1/16 to T. F. McCarry, and 1/16 to J. E. Madden. Wear compensating brake. 2,997,138, 8–22–61, Cl. 188—73.
Cagle, William B., to Bell Telephone Laboratories, Inc. Semiconductor trigger circuit. 2,982,869, 5–2–61, Cl. 307—88.5.
Caglia, Andrew J.: *See*—
Welman, John J. 3,006,496.
Cagnoni, Delfino. Device for the peeling of a tomato. 2,992,666, 7–18–61, Cl. 146—43.
Caha, Archimiro, and K. Kallusch. Gammagraph for medical purposes. 2,967,939, 1–10–61, Cl. 250—83.3.
Cahil, Joseph A.: *See*—
Lapinski, Frank S. 2,983,039.
Cahill, Daniel T., to Specialties, Inc. Fluid operated device. 2,969,772, 1–31–61, Cl. 121—40.
Cahill, Harold D.: *See*—
Busch, Aloysius J., Cahill, and Myers. 3,012,099.
Cahill, John E.: *See*—
Schoolcraft, Edwin H., Nelson, and Cahill. 3,009,561.
Cahill Mfg. Co., Inc.: *See*—
Cahill, William S. 2,971,247.
Cahill, Richard T., and E. J. Kujawa, to Chicago Rawhide Mfg. Co. End face sealing unit. 2,980,452, 4–18–61, Cl. 286—11.
Cahill, Robert V., to Sprague Electric Co. Process for wire-wound resistor. 2,994,945, 8–8–61, Cl. 29—155.71.
Cahill, William S., to Cahill Mfg. Co., Inc. Disc rasp. 2,971,247, 2–14–61, Cl. 29—79.
Cahill, William S. Method and apparatus for applying tread to rubber tires. 2,971,563, 2–14–61, Cl. 154—9.
Cahn, Robert P., to Esso Research and Engineering Co. Diolefin manufacture. 2,978,522, 4–4–61, Cl. 260—680.
Cahn, Robert P., to Esso Research and Engineering Co. Operability of CAA pretreat units for acetylene removal. 2,985,697, 5–23–61, Cl. 260—681.5.
Cahn, Robert P., and E. R. Gurtler, to Esso Research and Engineering Co. Separation of butadiene. 2,972,646, 2–21–61, Cl. 260—681.5.
Cahne, Armand, to C. Gregoire. Polytetrafluoroethylene coated cooking utensils. 3,008,601, 11–14–61, Cl. 220—64.
Cahoon, Nelson C., and J. P. Oliver to Union Carbide Corp. Reference half-cell. 3,000,804, 9–19–61, Cl. 204—195.
Cahow, Theodore W., to Ford Motor Co. Releasable plow standard. 3,011,565, 12–5–61, Cl. 172—269.
Cail, Roland A., and R. E. Spencer, to Electric & Musical Industries Ltd. Control of automatic machines. 3,003,699, 10–10–61, Cl. 235—197.
Caillaud, Michael E., to Societe Anonyme Francoise pour la Separation, l'Emulsion et le Melange (Procedes S.E.M.). Diaphragm pumps. 2,971,465, 2–14–61, Cl. 103—44.
Cailliot, Serge L. L. Recording and reproducing apparatus for a helicoid recording surface. 2,990,182, 6–27–61, Cl. 274—4.
Cain, Arthur J. Pen and pencil attachment device. 2,968,849, 1–24–61, Cl. 24—11.

Cain, Blanchard: *See*—
Logan, Arthur G., Cain, and Ginsberg. 2,987,964.
Cain, Dallas E., to General Electric Co. Torque limiting centrifugal clutch. 2,970,680, 2–7–61, Cl. 192—105.
Cain, Robert M.: *See*—
Parmater, Lee W., and Cain. 2,968,765.
Parmater, Lee W., and Cain. 2,983,367.
Cain, William P., L. S. Minckler, Jr., and H. S. Makowski, to Esso Research and Engineering Co. Curing halogenated copolymers of ethylene and an alpha-olefin with an organic polythiocarbonate and a metal containing compound, and product thereof. 2,996,473, 8–15–61, Cl. 260—41.
Caine, George E., W. H. Greeley, and F. E. Mooney, to United States of America, Army. Closure assembly. 2,978,134, 4–4–61, Cl. 215—47.
Caine, Gerard H., and J. F. Di Stefano, to Borg-Warner Corp. Axial flow apparatus. 2,968,249, 1–17–61, Cl. 103—87.
Caine, Rolland H., to R. R. Donnelley & Sons Co. Method of preparing a printing surface. 2,984,566, 5–16–61, Cl. 96—38.
Caine, Thomas P.: *See*—
Klein, Clarence J., and Caine. 3,010,844.
Cairelli, Carmen P., to M. H. Rhodes, Inc. Time delay cord cutter. 3,001,285, 9–26–61, Cl. 30—127.
Caisson Corp.: *See*—
Revesz, Guy H., and Steinsberger. 2,982,103.
Calabrese, Rosario J. Game devices. 2,967,714, 1–10–61, Cl. 273—130.
Calabria, Gerolamo, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica, and Giuseppe de Varda. Transfer system for moldten both electrolyte in multi-cell electrolytic furnaces. 2,991,240, 7–4–61, Cl. 204—239.
Calabrian Co., Inc.: *See*—
Peck, Thomas N. 3,010,809.
Calam, Christopher T., and I. S. Nixon, to Imperial Chemical Industries Ltd. Gibberellic acid manufacture. 2,990,337, 6–27–61, Cl. 195—36.
Calandra, Fred M. Auto air freshener. 3,006,042, 10–31–61, Cl. 21—119.
Calandra, Thomas M. Hoist, aircraft seat removal. 2,977,079, 3–28–61, Cl. 244—122.
Calandro, Joseph D.: *See*—
Barnes, Myron H., and Calandro. 2,980,943.
Calcaprina, Fabio C.: *See*—
Marks, Monte L., and Calcaprina. 3,000,218.
Calcinator Corp.: *See*—
Hebert, John W. 2,993,454.
Calcor Corp.: *See*—
Thuet, Hans A., and Stevens. 3,006,041.
Cal-Dak Co., The: *See*—
Beckwell, George. 2,991,487.
Caldas, Isidoro, Jr.: *See*—
Murtaugh, Justin J., and Caldas. 2,970,138.
Calder, Alexander W., to Joy Mfg. Co. Shovel loading mechanism. 3,006,488, 10–31–61, Cl. 214—91.
Calder, Nigel D. R.: *See*—
Schagen, Pieter, and Calder. 2,999,957.
Calder, Walter L., Jr. Adjustable panoramic auto rear view mirror. 2,979,989, 4–18–61, Cl. 88—87.
Calderhead, Henry J., and C. F. Waterfield, to Bird Electric Corp. Coaxial electrical line device having rigidly attached meter case. 3,015,066, 12–26–61, Cl. 324—156.
Calderon, Peter S.: *See*—
Bolton, John A., and Calderon. 2,995,252.
Caldwell, Alexander M. U.: *See*—
Dowden, Dennis A., and Caldwell. 2,977,324.
Dowden, Dennis A., and Caldwell. 2,995,528.
Dowden, Dennis A., and Caldwell. 3,012,043.
Caldwell, Alexander M. U., to Imperial Chemical Industries Ltd. Processes for the oxidation of organic compounds. 2,990,427, 6–27–61, Cl. 260—604.
Caldwell, Blake M., to Jet Research Center, Inc. Well perforating apparatus. 2,981,185, 4–25–61, Cl. 102—20.
Caldwell, Carlyle G., O. B. Wurzburg, and S.-C. Sun, to National Starch and Chemical Corp. Flocculation of fine particles by starch ethers. 2,975,124, 3–14–61, Cl. 210—54.
Caldwell, Dennis, and L. R. Rowe, to Allen & Hanburys Ltd. 1-alkyl-4-aminoquinaldinium salts. 2,997,476, 8–22–61, Cl. 260—286.
Caldwell, Europe A., Jr. Spreading method and apparatus. 3,013,695, 12–19–61, Cl. 222—1.
Caldwell, John R.: *See*—
Touey, George P., and Caldwell. 2,996,497.
Touey, George P., Kiefer, and Caldwell. 2,968,306.
Caldwell, John R., to Eastman Kodak Co. Polyester-urethanes derived from dialkylmalonic compounds and textile fabric coated therewith. 2,970,119, 1–31–61, Cl. 260—2.5.
Caldwell, John R., to Eastman Kodak Co. Plastic compositions containing dicarboxylic acid plasticizers. 3,003,888, 10–10–61, Cl. 106—181.
Caldwell, John R. Rat guard for ship hawser. 3,005,436, 10–24–61, Cl. 114—221.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Process of incorporating chlorinated diphenyl into crystalline polyesters and products therefrom. 2,968,639, 1–17–61, Cl. 260—33.8.
Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Polyformals of cyclic diols. 2,968,646, 1–17–61, Cl. 260—67.
Caldwell, John R., R. Gilkey, and J. E. Poe, to Eastman Kodak Co. Norcamphane-2,5 (and 2,6)-dicarboxylic acids and polyamides thereof. 2,972,602, 2–21–61, Cl. 260—78.
Caldwell, John R., C. C. Dannelly, and E. H. Hill, to Eastman Kodak Co. Elastomeric vapor-permeable films and coatings. 2,976,182, 3–21–61, Cl. 117—135.5.
Caldwell, John R., and J. C. Martin, to Eastman Kodak Co. Substituted phosphonylidene diimino dibenzoic acids and polyesters therefrom. 2,976,267, 3–21–61, Cl. 260—75.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Fusible but insoluble high-melting, fiber-forming polyesters. 2,980,649, 4–18–61, Cl. 260—47.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Crystalline polymerized monoolefinic hydrocarbons containing metal-salt of carboxylic acid. 2,984,634, 5–16–61, Cl. 260—23.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. High melting copolyamides from omega-aminocarboxylic acids, terephthalic acid and 1,4-cyclohexanebis (methylamine). 2,985,626, 5–23–61, Cl. 260—78.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. High melting omega-amino carboxylic copolyamides. 2,985,627, 5–23–61, Cl. 260—78.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. High melting copolyamides from omega aminocarboxylic acids, 1,4-cyclohexanedicarboxylic acid and 1,4-cyclohexanebis (methylamine). 2,985,628, 5–23–61, Cl. 260—78.
Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Hydroxynorcamphanecarboxylic acids and esters, and polyesters thereof. 3,000,864, 9–19–61, Cl. 260—76.
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Caldwell, Ned A., and W. C. Bauer, to Food Machinery and Chemical Corp. Trona process. 2,970,037, 1–31–61, Cl. 23—63.
Caldwell, Richard L., and R. F. Sippel, to Socony Mobil Oil Co., Inc. Methods of determining the dimensions of underground cavities. 2,972,679, 2–21–61, Cl. 250—43.5.
Caldwell, Robert H., to Tennessee Stove Works. Built-in cooking unit. 2,972,990, 2–28–61, Cl. 126—214.
Caldwell, Samuel I.: *See*—
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Caldwell, Samuel P., to The Greist Mfg. Co. Tool-holding handle. 3,008,723, 11–14–61, Cl. 279—53.
Caldwell, Samuel P., to Mite Corp. Ruffler attachment for sewing machines. 3,014,444, 12–26–61, Cl. 112—135.
Caldwell, Washington J., to The Electric Auto-Lite Co. Commutator orienting device. 3,008,589, 11–14–61, Cl. 214—1.
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Calehuff, James M., G. A. Maciejewski, and W. L. Reiter, to Sylvania Electric Products Inc. Lead feed mechanism. 2,977,717, 4–4–61, Cl. 49—2.
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Calhoun, Howard J., to Westinghouse Electric Corp. Adjustments for compensator relaying equipments. 2,973,460, 2–28–61, Cl. 317—47.
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Calhoun, John V., Jr., to J. V. Calhoun Co. Methods of and apparatus for generating and transferring heat. 2,987,305, 6–6–61, Cl. 263—6.
Calhoun, Robert J., Jr., to American Forge and Mfg. Co. Coil tilter. 2,974,995, 3–14–61, Cl. 294—103.
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California Industrial Development Co.: *See*—
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Flanders, Robert H., and Dimick. 3,005,550.
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Baker, Paul E. 3,015,029.
Bemis, Edwin G. 2,978,026.
Benoit, George J., Jr. 2,998,456.
Borrmann, Gerald F., and Hildebrand. 2,986,888.
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Brown, Robert J. S. 2,999,203.
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Carlston, Earl F. 2,991,259.
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Clark, Calvin M. 2,968,724.
Claussen, William H. 2,991,160.
Clayton, James O. 3,002,015.
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Coolidge, John E., and Brown. 3,004,212.
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Ferm, Richard L. 2,975,132.
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Ferstandig, Louis L., and Magee. 2,987,502.
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Goodrich, Judson E. 3,008,899.
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Guerard, Albert S., Jr., Ranney, Reese, and MacDonald. 2,983,324.
Hotten, Bruce W. 2,971,027.
Hull, Donald E. 2,968,720.
Jones, Stanley B. 3,015,030.
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Kovacich, Steve A., and Peeler. 2,995,591.
Kovacich, Steve A., and Peeler. 2,995,593.
Lapporte, Seymour J., and Sweeney. 2,971,989.
Lavender, Harrison M., Jr., and Senger. 2,997,374.
Lavigne, Joe B., and Levine. 2,979,445.
Le Roy, Norman R. 3,014,794.
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Lind, Wilton H. 2,970,170.
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Magee, Philip S. 2,987,548.
Maker, Frank L. 2,992,622.
Mertens, Edward W. 2,993,004.
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Ospenson, Joseph N. 2,979,383.
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Schram, Richard M. 2,986,588.
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Scott, John W., Jr. 2,982,701.
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Stayner, Robert A., and Lowe. 3,010,810.
Stewart, William T., Lowe, Kavanagh, and Stuart. 2,998,445.
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Talbot, James L. 2,985,694.
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West, William W., and Mulvany. 2,998,414.
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Wright, James R., and Mertens. 2,993,002.
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Caliri, Gregory. Heating device. 3,002,077, 9–26–61, Cl. 219—26.

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Callan, Herbert F. J., and F. G. Mattos, to Fairey Aviation Ltd. Valve structure for facilitating passage of foreign particles. 2,989,985, 6–27–61, Cl. 137—622.

Callan, John E., to Allen-Bradley Co. Phase failure and phase reversal protective circuit. 2,975,334, 3–14–61, Cl. 317—48.

Callan, John E., and W. J. Hudson, to Allen-Bradley Co. Direct current motor control apparatus. 2,975,348, 3–14–61, Cl. 318—257.

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Callaway, William B., and A. A. Deltuvia, Jr., to Bell Telephone Laboratories, Inc. Printing apparatus. 2,989,910, 6–27–61, Cl. 95—75.

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Bush, Jack D. 3,014,060.
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Cunningham, George L., Bryant, and Gause. 2,968,532.
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Calvert, Gresham H. Support for heating elements. 2,973,498, 2–28–61, Cl. 338—296.

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Moore, Howard H., Jr. 3,014,533.
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Aaron, Charles. 2,974,894.
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Cameron, Ronald, to Joy Mfg. Co. Mineral mining and loading machine having a transverse conveyor on a vertically adjustable mining head. 3,001,777, 9–26–61, Cl. 262—9.

Cameron, Scott H., and H. H. Kantner, to Armour Research Foundation of Illinois Institute of Technology. Method and apparatus for generating two-dimensional density functions. 2,992,293, 7–11–61, Cl. 178—6.8.

Cameron, Warren B. S., and J. E. Williamson, to Kenney Mfg. Co. Tensioning pulley. 2,982,539, 5–2–61, Cl. 267—71.

Cameron-Johnson, Alan, to Rotol Ltd. Aircraft undercarriages. 2,982,499, 5–2–61, Cl. 244—102.

Cameron-Johnson, Alan, to Rotol Ltd. Variable-delivery multi-stage hydraulic pumps. 2,999,463, 9–12–61, Cl. 103—5.

Camilco Inc.: *See*—
Macy, James C., Camillo, and Smith. 2,972,765.

Camilli, Concetto T., to Esso Research and Engineering Co. Microcrystalline wax. 2,983,664, 5–9–61, Cl. 208—20.

Camilli, Guglielmo, to General Electric Co. Cooling system and method for electrical apparatus. 2,990,443, 6–27–61, Cl. 174—15.

Camilli, Guglielmo, and A. W. Galloway, to General Electric Co. Gas leakage detecting means. 2,989,863, 6–27–61, Cl. 73—49.3.

Camillo, Frank J.: *See*—
Macy, James C., Camillo, and Smith. 2,972,765.

Camin Laboratories, Inc.: *See*—
Fialkoff, Samuel. 2,976,526.

Caminiti, Anthony D. Auxiliary seat for motor vehicles and the like. 2,988,135, 6–13–61, Cl. 155—10.

Camirand, Gilbert: *See*—
Read, Owen, and Camirand. 2,989,192.

Camloc Fastener Corp.: *See*—
Bross, Warren C. 2,975,667.
Griffiths, Edward G., and Stocker. 2,995,793.
Newcomer, Jacob R., Jr., and Wheeler. 2,969,667.
Newcomer, Jacob R., Jr., and Wheeler. 2,998,272.
Vander Sande, John L., and Bross. 2,969,571.

Camo Tool Co., Inc.: *See*—
Casady, Richard L., and Mooneyham. 2,998,074.

Camp, Alfred L., to Repcal Brass Mfg. Co. Automatic diverter valve. 2,968,313, 1–17–61, Cl. 137—467.

Camp, George F. Automatic pressure compensator for reciprocating pumps. 3,005,412, 10–24–61, Cl. 103—38.

Camp, John M.: *See*—
Eckel, John E., and Camp. 2,979,144.

Camp, John M., and J. M. Kellner, to Jersey Production Research Co. Retractable drill bit. 2,982,366, 5–2–61, Cl. 175—259.

Camp, Marvin E., to W. L. Bonnell, deceased; M. Bonnell and J. L. Glover, executors. Sink mounting means. 2,992,436, 7–18–61, Cl. 4—187.

Camp, Marvin E., to W. L. Bonnell, deceased; M. Bonnell and J. L. Glover, executors. Sink mounting means. 2,993,088, 7–18–61, Cl. 4—187.

Camp, Paul R., to Radio Corp. of America. Tunable infrared apparatus and methods. 2,982,856, 5–2–61, Cl. 250—83.3.

Camp, S. H., & Co.: *See*—
Zieman, Stephen A. 3,000,378.

Camp, William J. Digit absorbing converter for telephone switchboards. 3,009,020, 11–14–61, Cl. 179—16.

Camp, William J. Automatic telephone intercept system. 3,009,022, 11–14–61, Cl. 179—27.

Campa, Ferdinand J., to General Dynamics Corp. Modified trunk circuit. 3,003,040, 10–3–61, Cl. 179—18.

Campagna, Joseph W.: *See*—
Carrozza, Roy J., Potocki, and Campagna. 3,001,786.

Campagna, Michele, to Bristol Mfg. Corp. Method of making heat-insulated, waterproof, gusset-type footwear. 3,011,187, 12–5–61, Cl. 12—142.

Campagnano, Leo. Pulper. 2,999,650, 9–12–61, Cl. 241—46.

Campanella, Joseph E.: *See*—
Jackson, John J., and Campanella. 3,007,177.

Campanelli, John P.: *See*—
Goodwin, Carl W., and Campanelli. 3,001,683.

Campanile, Arnold R., to United States of America, Navy. Neck-seal sizing template. 2,977,684, 4–4–61, Cl. 33—2.

Campas, William J., to Olin Mathieson Chemical Corp. Fabrication of hollow articles. 2,999,307, 9–12–61, Cl. 29—157.3.

Campbell, Albert B., to Campbell Products Co. Dispensing caps and assemblies containing same. 2,981,446, 4–25–61, Cl. 222—394.

Campbell, Alfred: *See*—
Doub, Leonard, Richardson, and Campbell. 2,998,421.

Campbell, Andrew H., and J. T. Kane, to Container Ring Co., Inc. Barrel clamping ring and lug element. 2,968,508, 1–17–61, Cl. 292—256.67.

Campbell, Archie W. Automatic tensioning device for looms. 2,970,615, 2–7–61, Cl. 139—212.

Campbell, Arthur W., to Commercial Solvents Corp. Production of nitrosodimethylamine. 2,981,752, 4–25–61, Cl. 260—583.

Campbell, Arthur W., to Commercial Solvents Corp. Process for the production and purification of dimethylacylamides. 3,006,956, 10–31–61, Cl. 260—561.

Campbell, Carl M., Jr., to Burroughs Corp. Bistable circuits. 3,008,057, 11–7–61, Cl. 307—88.5.

Campbell Chain Co.: *See*—
Feiser, Charles F., Jr., 2,966,878.

Campbell, Charles H., to The Chemstrand Corp. Polymerization catalysts for acrylonitrile polymerization. 2,982,761, 5–2–61, Cl. 260—85.5.

Campbell, Charles R., R. D. Chapman, and R. Johnson, to The Chemstrand Corp. Method for the purification of hexamethylenediamine. 2,987,452, 6–6–61, Cl. 202—57.

Campbell, Charles W., ½ to W. F. Matthews. Screened roof gutter. 2,988,226, 6–13–61, Cl. 210—474.

Campbell, Clark S., to Remington Arms Co., Inc. Firearm butt plate with liquid recoil absorbing device. 3,001,312, 9–26–61, Cl. 42—74.

Campbell, Clyde E. D., to United States of America, Navy. Aluminum solder and filler alloy. 3,014,798, 12–26–61, Cl. 75—178.

Campbell, David S., to Cardwell Westinghouse Co. Combination journal stop, oil seal, dust guard. 2,979,346, 4–11–61, Cl. 286—6.

Campbell, Don A., to Hughes Aircraft Co. Electric motor control system. 3,003,092, 10–3–61, Cl. 318—41.

Campbell, Donald A., and J. P. Keating, to Eclipse Fuel Engineering Co. Draft compensating burner system. 2,992,459, 7–18–61, Cl. 158—119.

Campbell, Donald A., and W. Sprehe, to Eclipse Fuel Engineering Co. Control valve with variable flow characteristics. 2,998,023, 8–29–61, Cl. 137—599.

Campbell, Donald H., to Hooker Chemical Corp. Stabilization of trichloroethylene. 2,998,461, 8–29–61, Cl. 260—652.5.

Campbell, Donald M.: *See*—
Seeloff, Melvin M., and Campbell. 2,980,074.

Campbell, Donald N.: *See*—
Spracklen, Stanford B., Campbell, and Fellows. 3,005,758.

Campbell, Douglas J.: *See*—
Sharp, Andrew, Butterfill, and Campbell. 2,982,462.

Campbell, Duncan S., to The Sheffield Corp. Apparatus for grinding toothed members. 2,969,621, 1–31–61, Cl. 51—95.

Campbell, Edna S.: *See*—
Campbell, Thaddeus C. 2,984,945.

Campbell, Edwin P. Grass catcher for rotary mowers. Re. 24,955, 3–28–61, Cl. 56—202.

Campbell, Erwin A.: *See*—
Woolslayer, Homer J., Jenkins, and Campbell. 3,003,787.

Campbell, Erwin A., and I. G. MacKenzie, to Lee C. Moore Corp. Extension tower for use with a fork lift truck. 2,966,956, 1–3–61, Cl. 182—63.

Campbell, Erwin A., and I. G. Mackenzie, to Lee C. Moore Corp. Skeleton tower. 2,988,180, 6–13–61, Cl. 189—12.

Campbell, George A., to Wallace & Tiernan Inc. Indicating and control system responsive to demand. 2,999,797, 9–12–61, Cl. 204—1.

Campbell, George W., Jr., to United States Borax & Chemical Corp. Method for producing sodium borates of lowered iron content. 3,000,700, 9–19–61, Cl. 23—59.

Campbell, George W., Jr., to United States Borax & Chemical Corp. Method for producing sodium borates of lowered iron content. 3,002,810, 10–3–61, Cl. 23—59.

Campbell, Gordon W.: *See*—
Sulkin, Maurice A., Campbell, and Young. 2,969,939.

Campbell, Gregory J., to W. T. Neiman. Switch. 3,001,040, 9–19–61, Cl. 200—67.

Campbell, Henry H.: *See*—
Prijatel, Edward A., and Campbell. 2,980,132.

Campbell, Henry H., to Borg-Warner Corp. Seal. 2,978,264, 4–4–61, Cl. 286—11.

Campbell, Hobart T.: *See*—
Algatt, George E., Campbell, and Nelson. 2,973,197.

Campbell, Hugh H.: *See*—
Birleson, Stanley R., Campbell, and Dobb. 2,979,869.

Campbell, Huntly M.: *See*—
Forst, John J., and Campbell. 2,998,639.

Campbell, Huntly M., to Olin Mathieson Chemical Corp. Metal working. 2,987,810, 6–13–61, Cl. 29—421.

Campbell, Ivor E., to United States of America, Atomic Energy Commission. Method of obtaining uniform coatings on graphite. 2,978,358, 4–4–61, Cl. 117—94.

Campbell, J A., and J. C. Babcock, to The Upjohn Co. 7-methylprogesterone. 3,002,005, 9–26–61, Cl. 260—397.3.

Campbell, J. A., J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 1-dehydro-6-fluoro-11-oxygenated progesterones. 3,004,044, 10–10–61, Cl. 260—397.3.

Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 2α-methyl-6-dehydro steroids, 21-esters thereof and intermediates. 2,985,671, 5–23–61, Cl. 260—397.45.

Campbell, Jack E.: *See*—
Borodin, Daniel J., Campbell, and Ye. 3,014,717.

Campbell, James R. Multi-stage heating element control. 2,977,451, 3–28–61, Cl. 219—20.

Campbell, James S., to Queen's University. Extruded shapes. 2,988,182, 6–13–61, Cl. 189—41.

Campbell, James W., to Cayton Chemical Corp. Gun drawing contest apparatus. 3,007,700, 11–7–61, Cl. 273—1.

Campbell, John J., to Morse Boulger Destructor Co. Incinerator apparatus. 3,010,450, 11–28–61, Cl. 126—162.

Campbell, John, Jr., to The Babcock & Wilcox Co. Cyclone evaporator for residual liquor. 2,980,179, 4–18–61, Cl. 159—4.

Campbell, John R., and R. E. Hatton, to Monsanto Chemical Co. Butyl xylyl sulfone. 3,007,787, 11–7–61, Cl. 71—2.3.

Campbell, John W.: *See*—
Poirier, Jules H., Shaw, and Campbell. 2,987,664.

Campbell, Joseph A., to X-Port Oils, Inc. Resinous compositions and objects having controlled UHF characteristics. 2,985,613, 5–23–61, Cl. 260—38.

Campbell, Joseph A., to X-Port Oils, Inc. Resinous composition and method. 2,992,124, 7–11–61, Cl. 117—7.

Campbell, Kenneth N., D. E. Rivard, and R. F. Feldkamp, to Mead Johnson & Co. Pyrrolidyl derivatives of 3-arylindenes and 3-arylidanes. 2,992,231, 7–11–61, Cl. 260—313.

Campbell, Laurie H.: *See*—
Stone, Orison W., and Campbell. 2,970,741.
Stone, Orison W., and Campbell. 2,973,129.

Campbell, Lee R. Feeding mechanism for fastener driving devices. 2,966,681, 1–3–61, Cl. 1—44.4.

Campbell, Lloyd B.: *See*—
Wahl, William, and Campbell. 3,002,385.

Campbell, Mark E., G. E. OBrien, and E. E. Pentecost, to North American Aviation, Inc. Gyro compass. 2,972,195, 2–21–61, Cl. 33—226.

Campbell, Mark E., and G. E. O'Brien, to North American Aviation, Inc. Gyro-compass. 2,976,618, 3–28–61, Cl. 33—226.

Campbell, Milford A. Flexible feed track. 3,002,600, 10–3–61, Cl. 193—25.

Campbell, Noel M.: *See*—
Beasley, Joseph D., and Campbell. 3,010,597.

Campbell, Oliver F., and W. H. Decker, to Sinclair Refining Co. Heat exchange apparatus. 3,013,773, 12–19–61, Cl. 257—221.

Campbell, Paul F. Combined seat cover and lap protector. 2,980,169, 4–18–61, Cl. 155—182.

Campbell, Phillip B., to Westinghouse Electric Corp. Gas generating device. 2,982,095, 5–2–61, Cl. 60—39.14.

Campbell Products Co.: *See*—
Campbell, Albert B. 2,981,446.

Campbell, Ramsey G., and G. E. Klingman, to Stauffer Chemical Co. Process for making thiolcarbamates. 2,983,747, 5–9–61, Cl. 260—455.

Campbell, Richard A., to Hughes Aircraft Co. Gating system. 2,985,715, 5–23–61, Cl. 178—43.5.

Campbell, Richard A., to Pacific Semiconductors, Inc. Automatic diode sorter. 2,999,587, 9–12–61, Cl. 209—73.

Campbell, Richard D.: *See*—
Utt, Orval L., and Campbell. 2,977,462.

Campbell, Richard D., and J. M. Berill, to Westinghouse Air Brake Co. Speed control system. 2,998,515, 8–29–61, Cl. 246—182.

Campbell, Richard H., Jr.: *See*—
Hadden, George H., and Campbell. 3,006,229.

Campbell, Richard H., Jr., to Kinsman Mfg. Co., Inc. Phase-shift oscillator for electronic organs. 3,013,221, 12–12–61, Cl. 331—137.

Campbell, Robert E.: *See*—
Filliung, Jacques J., and Campbell. 3,008,682.
Filliung, Jacques J., and Campbell. 3,008,683.

Campbell, Robert E., to British Ropes Ltd. Wire ropes. 2,978,860, 4–11–61, Cl. 57—148.

Campbell, Robert L., Jr.: *See*—
Seestrom, Hjalmer E., Guerrant, and Campbell. 2,999,021.

Campbell, Rollin E., and H. D. Forse; said Campbell assor. to said Forse. Garment conveyor. 2,983,393, 5–9–61, Cl. 214—16.4.

Campbell, Ronald W., to Hancock Industies, Inc. Door latch. 2,980,460, 4–18–61, Cl. 292—280.

Campbell, Ronald W., to Hancock Industries, Inc. Door latch. 2,992,033, 7–11–61, Cl. 292—280.

Campbell, Ruth M. Combination hoop skirt and petticoat. 2,991,480, 7–11–61, Cl. 2—216.

Campbell Soup Co.: *See*—
Egee, Walter W., and Smith. 2,989,932.
Johannes, Erich H. L. 2,977,902.
Sillars, Frederick S. 3,000,338.

Campbell Taggart Associated Bakeries, Inc.: *See*—
Archer, Irving M. 2,969,633.
Archer, Irving M. 2,995,107.

Campbell, Thaddeus C., deceased, by E. S. Campbell, executrix, to Putnam Rolling Ladder Co., Inc. Interlocking roof tiles. 2,984,945, 5–23–61, Cl. 50—198.

Campbell, Thomas B. Sheet metal forming apparatus. 3,011,538, 12–5–61, Cl. 153—75.

Campbell, Thomas C., to The English Electric Co. Ltd. Rocket motor attachments. 2,982,503, 5–2–61, Cl. 244—135.

Campbell, Tod W., to E. I. du Pont de Nemours and Co. Electrically conducting articles and process of making same. 3,014,818, 12–26–61, Cl. 117—227.

Campbell, William B.: *See*—
Marshall, Daniel Q., Mason, Davis, Bobo, and Campbell. 2,990,156.

Campbell, William E., L. H. Brown, and A. L. Antonio, to Aerojet-General Corp. Propellant compositions. 3,000,718, 9–19–61, Cl. 52—5.

Campbell, William H., J. N. Miale, and J. B. Kirkpatrick. Measuring instruments. 2,973,646, 3–7–61, Cl. 73—427.

Campion, Frank E., E. D. Glass, J. W. Kirkpatrick, and J. C. Vaughn to Pan American Petroleum Corp. Burner apparatus. 2,997,105, 8–22–61, Cl. 166—59.

Campion, Robert L.: *See*—
Herzel, Rudy, and Campion. 2,972,641.

Campman, Allen E. and W. S. Ratcheting pliers. 2,981,133, 4–25–61, Cl. 81—349.

Campman, Arthur R.: *See*—
Koppelman, Edward, and Campman. 2,998,030.

Campman, Wallace S.: *See*—
Campman, Allen E., and W. S. 2,981,133.

Camps, David C.: *See*—
Newman, Pete H., and Camps. 3,007,407.

Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Means for counteracting shunt reluctance of a transducer head gap. 2,975,241, 3–14–61, 179—100.2.

Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Magnetic transducer head. 2,987,583, 6–6–61, Cl. 179—100.2.

Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Method for producing magnetic record members. 2,998,325, 8–29–61, Cl. 117—64.

Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Electromagnetic playback system. 3,013,123, 12–12–61, Cl. 179—100.2.

Canada, David G., to Sarkes Tarzian, Inc. Vernier tuning circuit for high frequency tuner. 2,978,651, 4–4–61, Cl. 331—170.

Canada, Her Majesty the Queen in the right of, as represented by the Minister of Mines and Technical Surveys: *See*—
Mitchell, Earland R., and Friedrich. 3,014,439.

Canada, Her Majesty the Queen in the right of, as represented by the Minister of National Defence: *See*—
Atkinson, James T. N. 3,003,933.
Clarke, Walter W. H. 3,009,143.
Cobbold, Richard S. C. 2,995,733.
Florida, Charles D. 2,998,192.
Holbrook, George W. 2,999,986.
Levy, Maurice M. 2,995,362.
Moody, Norman F. 2,980,805.
Seaman, Ernest A. 2,969,541.
Sorensen, Henry. 3,011,541.
Thompson, Philip M., and Franklin. 2,980,845.

Canada Packers, Ltd.: *See*—
Barnett, Hugh W., White, and Nordin. 2,973,277.
Fill, Metro. 2,994,908.
Rubin, Leon J., and Cross. 2,994,709.

Canada Paper Co.: *See*—
Bagnall, John. 2,983,921.

Canada Wire and Cable Co. Ltd.: *See*—
Short, Herbert D. 2,986,486.

Canadair Ltd.: *See*—
Thompson, Edward E. 2,987,665.
White, Brian D. W. 2,986,928.

Canaday, Joe R.: *See*—
Elliott, Harold V., and Canaday. 2,984,804.

Canaday, Joe R., to General Motors Corp. Circuit controller. 2,993,098, 7–18–61, Cl. 200—5.

Canaday, Roscoe H.: *See*—
Glandon, Adrian E., and Canaday. 2,995,978.

Canadian Chemical Co., Ltd.: *See*—
Poynton, Arthur J. 2,978,514.

Canadian Curtiss-Wright, Ltd.: *See*—
Leighton, Geoffrey J. 2,979,649.
Pepper, Thomas P., and Pressesky. 2,968,729.

Canadian General Electric Co., Ltd.: *See*—
Eastcott, Peter de H. 2,982,897.
Howard, John F. 3,015,007.
Lohrer, George H. 2,997,580.
MacKinnon, Lloyd J., and Trench. 3,014,189.
Paulin, William P. 2,987,607.
Sills, Hubert R. 2,994,793.

Canadian Industries Ltd.: *See*—
Graham, George W. 2,973,392.
Graham, George W., and Lusby. 2,986,586.
Rowlinson, Hugh C. 3,004,842.
Sharp, John A. 2,986,482.

Canadian Ingersoll-Rand Co., Ltd.: *See*—
Dick, George M. 2,983,291.
McClay, Gordon F. 2,979,090.
Nawalanic, John J. 2,995,173.

Canadian International Paper Co.: *See*—
Cranford, William B., and Major. 2,975,169.
Gardon, John L., and Leopold. 2,977,352.
Herbst, John H. E., Beazley, and Krässig. 3,000,875.
Herbst, John H. E., and Krässig. 2,989,519.

Canadian National Railway Co.: *See*—
Bowler, William. 3,004,421.
Fairweather, Starr W. 3,013,508.
Poznanski, Edmund M. 2,968,844.

Canadian Patents and Development Ltd.: *See*—
Beachell, Chester E. 2,996,948.
Beachell, Chester E. 2,997,547.
Beachell, Chester E. 3,011,032.
Engel, Charles R. 2,985,672.
Engel, Charles R. 2,986,572.
Findlay, Albert J., and Widdup. 2,971,811.

Canadian Pittsburgh Industries Ltd.: *See*—
Heard, Harrison L., Dumas, and Sivertz. 3,010,841.

Canadian Westinghouse Co., Ltd.: *See*—
Anderson, James, and Biddiscombe. 2,985,845.
Felix, Michael O., and Lipinski. 2,969,457.
Smith, Carl C., and McKeough. 2,997,563.

Canalini, Raymond J., to Honeymead Products Co. Corner reenforcing clip for panel trim. 3,010,548, 11–28–61, Cl. 189—36.

Canalizo, Carlos R., to Otis Engineering Corp. Air or gas lift valves. 3,011,511, 12–5–61, Cl. 137—155.

Can-Amera Oil Sands Development Ltd.: *See*—
Coulson, Gordon R. 2,968,603.

Canazzi, Henry D. Molded speed boat hull. 2,980,924, 4–25–61, Cl. 9—6.

Candela, Anthony S.: *See*—
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Candelise, Alfred, to General Motors Corp. Air injection system for an internal combustion engine. 2,991,766, 7–11–61, Cl. 123—26.

Candelise, Alfred, to General Motors Corp. Air injection system for an internal combustion engine. 2,991,767, 7–11–61, Cl. 123—26.

Candelise, Alfred, and W. C. Cole, to General Motors Corp. Ignition lead cable. 3,014,979, 12–26–61, Cl. 174—75.

Candell, Ralph L., to Shoup Electronics Inc. Toll charge recording system. 2,978,171, 4–4–61, Cl. 234—16.

Candidus, Edward S.: *See*—
Baer, Charles A., Bugbee, Candidus, and Clough. 2,971,862.

Candidus, Edward S., to National Research Corp. Production of metals. 2,981,823, 4–25–61, Cl. 219—117.

Candidus, Edward S., to National Research Corp. Production of metals. 3,005,859, 10–24–61, Cl. 13—31.

Candlin, James E., Jr., to Pullman Inc. Railway coach vehicle. 2,977,898, 4–4–61, Cl. 105—340.

Cane, Philip E., to Siemens Edison Swan Ltd. Vapotron boiler. 2,977,493, 3–28–61, Cl. 313—27.

Cane, Raymond P.: *See*—
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Canepa, Michele, to Ing. C. Olivetti & Co., S.p.A. Digital input mechanism for computing machines. 3,010,653, 11–28–61, Cl. 235—146.

Canfield, Albert V. H., to Automatic Switch Co. Pilot operated valve. 3,010,691, 11–28–61, Cl. 251—30.

Canfield, Earl L. Electrical conductors and connectors therefor. 2,968,691, 1–17–61, Cl. 174—75.

Canfield, Gerald L., and B. J. Schelske, to Ekco-Alcoa Containers, Inc. Foil cup and package and method of producing same. 2,967,652, 1–10–61, Cl. 229—5.5.

Canfield, Herbert H.: *See*—
Meinema, Herbert E., and Canfield. 2,982,819.

Canfield, Howard M.: *See*—
Baumgartner, Richard A., Canfield, and Buell. 2,981,615.

Cannaday, Richard L.: *See*—
Salnikov, Ivan S., and Cannaday. 3,007,534.

Cannady, Daniel L., Jr., to Westinghouse Electric Corp. Resinous compositions and tubular members prepared therefrom. 2,976,889, 3–28–61, Cl. 138—78.

Canning, Charles M. Outboard motor trolling plate. 2,984,203, 5–16–61, Cl. 115—17.

Canning, Frederick N. and W. L. Paint roller and sleeve. 3,001,220, 9–26–61, Cl. 15—244.

Canning, Frederick N. and W. L. Car top carrier. 3,001,679, 9–26–61, Cl. 224—42.1.

Canning, Walter L.: *See*—
Canning, Frederick N. and W. L. 3,001,220.
Canning, Frederick N. and W. L. 3,001,679.

Cannings, Frederick G., to International Computers and Tabulators Ltd. Tape-feeding apparatus. 2,980,355, 4–18–61, Cl. 242—55.12.

Cannings, Frederick G., to International Computers and Tabulators Ltd. Tape-feeding apparatus. 2,990,127, 6–27–61, Cl. 242—55.12.

Cannizzo, Walter M.: *See*—
Ozanich, Anthony R., and Cannizzo. 2,992,528.

Canno, Leonard E., to Equitable Paper Bag Co. Inc. Method of making plastic bags. 2,971,874, 2–14–61, Cl. 154—83.

Cannon Electric Co.: *See*—
Blanchenot, John P. 3,008,116.
Chess, Richard B. 2,986,720.
Dean, Gordon W. 3,011,143.
Ellis, Roger H., and Kuehl. 2,999,221.
Morello, William, Jr., and Jackson. 2,995,388.
Van Oort, Derk A. 2,985,047.

Cannon, James J.: *See*—
Schmolze, Kenneth W. 3,011,491.

Cannon, John G., to Westinghouse Air Brake Co. Draft apparatus with improved non-breakable emergency release means. 3,011,655, 12–5–61, Cl. 213—1.

Cannon, John G., and R. B. Morris, Jr., to Westinghouse Air Brake Co. Draft apparatus with non-breakable emergency release means. 3,011,654, 12–5–61, Cl. 213—1.

Cannon, Kenneth B. Thermally responsive actuator. 3,004,123, 10–10–61, Cl. 200—137.

Cannon, Madison M., G. M. Dick, and S. M. Salomon, to Bird Machine Co. Screening device. 2,975,899, 3–21–61, Cl. 209—273.

Cannon, Maurice W., to General Electric Co. Repositioning selective control system. 2,982,901, 5–2–61, Cl. 318—466.

Cannon, Robert H., Jr.: *See*—
Atwood, John L., Cannon, Johnson, and Andrew. 2,985,409.

Cannon, William D., to The Western Union Telegraph Co. Drive pulse generator for providing different selectable frequencies. 2,998,576, 8–29–61, Cl. 331—75.

Cannon, William N., to Eli Lilly and Co. Antimicrobial compositions. 2,986,492, 5–30–61, Cl. 167—31.

Cano, Georges: *See*—
Chaudron, Georges, Caron, and Cano. 3,005,702.

Cano, Mary A. Educational training device. 2,972,820, 2–28–61, Cl. 35—56.

Canon Camera Co., Inc.: *See*—
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Cantelmo, Joseph C. Remotely loaded stocking apparatus for grocery and like products. 3,008,591, 11–14–61, Cl. 214—44.

Canterino, Peter J.: *See*—
Jones, Rufus V., and Canterino. 2,980,656.
Jones, Rufus V., and Canterino. 2,994,679.
Reynolds, William B., and Canterino. 2,972,604.

Canterino, Peter J., to Phillips Petroleum Co. Self-bonding material. 2,973,088, 2–28–61, Cl. 206—59.

Canterino, Peter J., and K. R. Mills, to Phillips Petroleum Co. Stabilized halogenated polyethylene. 3,001,968, 9–26–61, Cl. 260—45.7.

Cantieri, William F.: *See*—
Jennings, Ned L., Cantieri, and Clark. 2,972,502.

Cantlay, William G.: *See*—
Fraser, Hugh, and Cantlay. 3,005,866.

Cantley, Joseph C.: *See*—
Imhof, Herman A., and Cantley. 2,974,333.

Cantley, Joseph C., to United Shoe Machinery Corp. Trimming machines. 2,970,328, 2–7–61, Cl. 12—4.3.

Canton Drop Forging & Mfg. Co., The: *See*—
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Cantral, John I., to Deere & Co. Flexible disk gang bedder. 2,971,592, 2–14–61, Cl. 172—572.

Cantrel, Kenneth E.: *See*—
Goodhue, Lyle D., and Cantrel. 3,008,872.
Goodhue, Lyle D., Louthan, and Cantrel. 3,000,779.

Cantrel, Kenneth E., and R. L. Cobb, to Phillips Petroleum Co. Method of repelling insects employing 2-benzyl-p-cresol. 3,012,934, 12–12–61, Cl. 167—31.

Cantrell, Claude J., Sr., to Esso Research and Engineering Co. Container. 2,968,397, 1–17–61, Cl. 206—65.

Cantrell, Troy L., and J. G. Peters, to Gulf Oil Corp. Addition products of dialkyl acid orthophosphate and olefin oxides. 2,979,523, 4–11–61, Cl. 260—461.

Cantrell, Troy L., and H. G. Smith, to Gulf Oil Corp. Lubricating composition. 2,990,370, 6–27–61, Cl. 252—52.

Cantrell, Troy L., E. E. Fisher, and M. L. Hill, to Gulf Oil Corp. Corrosion preventive composition. 2,995,532, 8–8–61, Cl. 260—19.

Canvasser, Darwin. Device for preventing back syphoning in water pipes. 2,988,103, 6–13–61, Cl. 137—218.

Canzano, Emilio F. Snow and ice melting and disposing machine. 2,991,784, 7–11–61, Cl. 126—343.5.

Canzoneri, Richard M.: *See*—
Brueggeman, Leo J., Fischer, Bondra, and Canzoneri. 2,974,529.

Cap, Ferdinand. Protective device. 2,983,821, 5–9–61, Cl. 250—108.

Capaccini, Dante, to Jetmould, Inc. Electrolytic cell. 2,972,573, 2–21–61, Cl. 204—275.

Capanna, Adolfo A., to Pitney-Bowes, Inc. Code element shifting device. 2,979,183, 4–11–61, Cl. 198—38.

Caparone, Michael J., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. Detachable covers for temperature and like control devices. 2,986,299, 5–30–61, Cl. 220—3.8.

Capart, Alphonse Y. Method and device for improving the ratio between the useful signal and the interfering signal which are picked up by wireless receiving sets. 2,968,806, 1–17–61, Cl. 343—700.

Cape, Arthur T., to Coast Metals, Inc. Iron-base alloys. 3,012,881, 12–12–61, Cl. 75—128.

Cape, Arthur T., to Coast Metals, Inc. Method of brazing. 3,012,903, 12–12–61, Cl. 117—46.

Cape, Elmer C. Automatic fish line jigger. 2,992,504, 7–18–61, Cl. 43—19.2.

Cape, Gordon, to Dominion Bridge Co., Ltd. Method of reinforcing and welding toroidal or spiral shaped vessels. 2,994,348, 8–1–61, Cl. 138—172.

Capehart, Lonnie R. Carburetor fuel level control. 2,998,056, 8–29–61, Cl. 158—36.3.

Capella, Primo, and L. Blank. Method of making double faced adhesive cut outs. 3,001,906, 9–26–61, Cl. 156—201.

Capellaro, Natale: *See*—
Gassino, Teresio, and Capellaro. 3,006,540.

Capellaro, Natale, and T. Gassino, to Ing. C. Olivetti & C., S.p.A. Adding machine for non-uniform decimal denominations. 2,982,469, 5–2–61, Cl. 235—60.

Capellaro, Natale, and T. Gassino, to Ing. C. Olivetti & C. S.p.A. Multiplication mechanism for adding machines. 2,992,773, 7–18–61, Cl. 235—60.

Capellaro, Natale, and T. Gassino, to Ing. C. Olivetti & C. S.p.A. Short-cut multiplication mechanism for ten-key calculating machines. 3,005,585, 10–24–61, Cl. 235—63.

Capelli, Giuseppe. Sewing machines' needle eyes threader. 3,002,476, 10–3–61, Cl. 112—224.

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Papa, Paolo, and Capetti. 3,002,450.
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Capital Plastics, Inc.: *See*—
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Capitol Equipment Inc.: *See*—
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Graham, Donald C. 3,007,583.
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Capitol Records, Inc.: *See*—
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Caplan, Isadore, B. E. Frank, G. T. Ruflin, and R. F. Thomson, to General Motors Corp. Tubing and method of making coated tubing. 2,982,312, 5–2–61, Cl. 138—145.

Caplan, Max: *See*—
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Caplis, George W.: *See*—
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Caplow, Abraham I., to P. Borkat. Humidifiers. 2,970,824, 2–7–61, Cl. 261—92.

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Caporicci, Antonio G. Transfer scaled calipers. 3,014,281, 12–26–61, Cl. 33—149.

Capowski, Julius, and W. L. Wascher, Jr., to Socony Mobil Oil Co., Inc. Synergistic additive combination for antistall gasoline. 3,014,792, 12–26–61, Cl. 44—63.

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Bellringer, Frederick J., Capp, and Crocker. 3,009,968.
Bellringer, Frederick J., Capp, Newman, and Turck. 2,979,542.

Cappel, Leona R. and N. O., to Becton, Dickinson and Co. Lyophilized syphilis complement fixation antigen and its preparation. 3,010,875, 11–28–61, Cl. 167—84.5.

Cappel, Norman O.: *See*—
Cappell, Leona R. and N. O. 3,010,875.

Cappelli, Quido: *See*—
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Capron, Nicholas J., and B. E. Lederman, to Pennsalt Chemicals Corp. Resin-curing agent system. 2,975,155, 3–14–61, Cl. 260—47.
Capron, Nicholas J., and B. E. Lederman, to Pennsalt Chemicals Corp. Synthetic resin. 2,994,673, 8–1–61, Cl. 260—18.
Caproni, Raymond C. E. Container closure. 3,001,666, 9–26–61, Cl. 220—48.
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Capuano, Dominick J., to United States of America, Navy. Intercept course calculator. 2,969,179, 1–24–61, Cl. 235—78.
Capuano, Vincent J., to United Aircraft Corp. Method of pickling titanium and compositions used therein. 3,006,827, 10–31–61, Cl. 204—141.
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Carasso, John I., and E. A. Speight. Methods for the production of semi-conductor junction devices. 2,993,817, 7–25–61, Cl. 148—1.5.
Carbauh, Robert E., to Petcar Research Corp. Combined overheat and flame detector system. 2,981,938, 4–25–61, Cl. 340—227.
Carbauh, Robert E., to Petcar Research Corp. Fire detector system. 2,981,939, 4–25–61, Cl. 340—228.
Carbo, Edward J., and R. F. Seehusen, to Westinghouse Electric Corp. Cartridge case hardening apparatus. 3,005,894, 10–24–61, Cl. 219—10.69.
Carbogen Corp.: *See*—
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Carbonara, Victor E., to Kollsman Instrument Corp. Automatic navigator. 3,001,289, 9–26–61, Cl. 33—61.
Carbonara, Victor E., and W. G. Delp, to Kollsman Instrument Corp. Code operated device. 3,013,248, 12–12–61, Cl. 340—164.
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Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. 1,2-bis(polyfluoracyl hydrazines). 2,990,417, 6–27–61, Cl. 260—404.5.
Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. 5-cyanomethylene-2-oxo-3-pyrrolines. 3,013,013, 12–12–61, Cl. 260—240.
Carborundum Co., The: *See*—
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Cline, Carl F. 3,007,805.
McCord, Andrew T., and Spink. 3,007,769.
McMullen, John C. 2,978,750.
Nicholson, Kenneth C. 2,987,874.
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Card, Joseph L., to Singer-Cobble, Inc. Loop shedder. 2,975,736, 3–21–61, Cl. 112—79.
Card, Roy T., to Singer-Cobble, Inc., a subsidiary of The Singer Mfg. Co. Tufting machine with needle plate. 2,976,829, 3–28–61, Cl. 112—79.
Card, Theodore B., to The Bendix Corp. Fuel control for gas turbine engine. 2,969,109, 1–24–61, Cl. 158—36.
Cardani, Charles P., L. A. Cole, and A. Eppler, Jr., to United Shoe Machinery Corp. Article handling and installing machines. 2,970,371, 2–7–61, Cl. 29—203.
Cardascia, Rinaldo R., and R. D. Markle, Jr., to International Business Machines Corp. Pluggable unit. 2,975,390, 3–14–61, Cl. 339—45.
Cardenas, Luis E. M., to G. D. Searle & Co. Resolution of sapogenin mixtures and intermediate products. 3,013,010, 12–12–61, Cl. 260—239.55.
Carder, Billy E. Feed mill cylinder. 2,996,260, 8–15–61, Cl. 241—73.
Carder, Billy E. Feed mill machine. 3,004,723, 10–17–61, Cl. 241—189.
Carder, Frank B., and L. Strauss, to American Machine & Foundry Co. Free piston engine. 2,978,986, 4–11–61, Cl. 103—27.
Carder, Gault. Animal restraining tree guard. 2,999,479, 9–12–61, Cl. 119—1.
Cardey, Francois, and A. Boudier, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Sterilizing glass food containers. 2,996,414, 8–15–61, Cl. 134—27.
Carding, Joseph T., and G. A. Jelley, to J. A. Crabtree & Co. Ltd. Contacts for electric switches. 3,004,127, 10–10–61, Cl. 200—166.
Carding Specialists (Canada) Ltd.: *See*—
Pickles, John. 3,001,424.
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Varga, Andre. 3,003,195.
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Trout, Robert G., and Dobbie. 2,986,098.
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Peterson, Bertil E. 2,999,726.
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Carew, Herman, to American Can Co. Bulk container. 2,982,459, 5–2–61, Cl. 229—5.5.
Carew, Herman, and A. W. Kinney, to American Can Co. Automatic container dispensing, filling and capping machine. 2,969,632, 1–31–61, Cl. 53—283.
Carew, Herman, and A. W. Kinney, to American Can Co. Filling machine and method of filling containers. 3,010,263, 11–28–61, Cl. 53—37.
Carey, Charles A.: *See*—
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Fasold, George A. and Leibrook. 3,003,906.
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Leibrook, Walton V., and Fasold. 3,003,289.
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Carey, Thomas P., to Specialties Development Corp. Fluid control system. 2,974,647, 3–14–61, Cl. 121—157.
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Ducker, William H., and Fisher. 3,000,426.
Cargill, Don A., A. Mason, R. A. Horvath, and W. H. Ducker, to Cargill Detroit Corp. Parts distribution and storage system. 2,969,883, 1–31–61, Cl. 214—16.
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Guidarelli, Elio J. 3,014,800.
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Cargill, William W., Jr. Method and apparatus for hot machining. Re. 25,105, 12–26–61, Cl. 219—68.
Cargill, William W., Jr., to Controls Co. of America. Electroluminescent device. 3,007,070, 10–31–61, Cl. 313—108.
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Carideo, Blaise A., to United States of America, Army. Cover venting means and lock. 2,991,904, 7–11–61, Cl. 220—44.
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Caris, Darl F., to General Motors Corp. Engine. 2,996,050, 8–15–61, Cl. 123—41.72.
Caris, Darl F., and B. J. Mitchell, to General Motors Corp. Engine bearing assembly and method of making the same. 2,983,554, 5–9–61, Cl. 308—23.
Carissimi, Vincent L., to Westinghouse Electric Corp. Control device. 2,999,144, 9–5–61, Cl. 219—20.
Carkeek, Charles R., and F. E. Guptill, Jr., to Texaco Inc. Method for the production of carbon monoxide from solid fuels. 2,987,387, 6–6–61, Cl. 48—197.
Carl, Edward L. Educational device for teaching arithmetic. 3,001,301, 9–26–61, Cl. 35—31.
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Graulich, Wilhelm, Sinn, Nottebohm, and Schabert. 2,999,773.
Carl, Lawrence: *See*—
Lee, Aaron, and Carl. 2,985,358.
Carl, Ralph W.: *See*—
McHenry, Keith W., Seelig, Brennan, and Carl. 2,998,380.
Carlberg, Robert E., to United States of America, Navy. Carriage for a mobile missile mount. 2,977,857, 4–4–61, Cl. 89—40.
Carlberg, Robert E., to United States of America, Navy. Self-aligning guide for loading in missile launching systems 2,978,959, 4–11–61, Cl. 89—1.7.
Carlberg, Robert E., to United States of America, Navy. Overhanging shipboard and missile launching system. 2,995,986, 8–15–61, Cl. 89—1.7.
Carlberg, Robert E., and S. Hersh, to United States of America, Navy. Missile launching system. 2,985,072, 5–23–61, Cl. 89—1.7.

Carlberg, Robert E., and S. Hersh, to United States of America, Navy. Missile loading system. 2,994,248, 8–1–61, Cl. 89—1.7.

Carlberg, Robert E., and S. Hersh, to United States of America, Navy. Rammer device for missile loading systems. 3,001,454, 9–26–61, Cl. 89—47.

Carlbom, Fredric O. Clam digging devices. 2,987,836, 6–13–61, Cl. 37—55.

Carlen, Irwin E.: *See*—
Berkery, Eugene A., and Carlen. 2,993,145.

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Scialiano, Clement, and Carles. 2,968,636.

Carleton, James T.: *See*—
Breedon, David B., Carleton, and Ferguson. 2,979,652.
Reuther, John F., and Carleton. 3,001,123.

Carleton, Paul D., to Ford Motor Co. Fuel injection system. 2,977,947. 4–4–61, Cl. 123—119.

Carlile, Alfred E., to Talon, Inc. Separating end connection for slide fasteners. 2,974,382, 3–14–61, Cl. 24—205.11.

Carlile, Alfred E., to Talon, Inc. Automatic lock slider for slide fasteners. 2,993,253, 7–25–61, Cl. 24—205.14.

Carlile, Alfred E., to Talon, Inc. Method of making a separating end connection. 2,996,797, 8–22–61, Cl. 29—408.

Carlile, William A., Jr., and W. M. O'Leary, to Columbus Bolt & Forging Co. Expansible closure. 2,993,616, 7–25–61, Cl. 220—24.5.

Carlin, Herbert J.: *See*—
Castriota, Liborio J., and Carlin. 3,009,150.

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Plate, John R., Carlin, and Kleist. 3,006,593.
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Carlin, Robert, and R. G. Honeyager, to Allis-Chalmers Mfg. Co. Selectively engageable double clutch. 2,993,576, 7–25–61, Cl. 192—48.

Carlin, Robert L. Hypnotic inducer. 3,014,477, 12–26–61, Cl. 128—1.

Carlin, William W., to Pittsburgh Plate Glass Co. Nickel plating chemical composition. 2,994,369, 8–1–61, Cl. 159—47.

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Carlisle, Charles H., F. L. Chalmers, and J. A. Smith, to Jersey Production Research Co. Automatic plotter. 2,967,291, 1–3–61, Cl. 340—15.

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Carlisle, Denis R., to Rolls-Royce Ltd. Fuel injectors for gas turbine engines. 3,013,731, 12–19–61, Cl. 239—132.

Carlisle, Denis R., and E. Milner, to Rolls-Royce Ltd. Fuel injection arrangement in combustion equipment for gas turbine engines. 2,982,099, 5–2–61, Cl. 60—39.74.

Carlisle, Duane F., to Basic Products Corp. Meter socket for plug-in meters. 3,014,162, 12–19–61, Cl. 317—109.

Carlisle, James V., and T. M. Arnold, to Ethyl Corp. Apparatus for cell construction. 2,997,780, 8–29–61, Cl. 29—203.

Carlisle, James V., and T. M. Arnold, to Ethyl Corp. Apparatus for cell constructions. 3,009,239, 11–21–61, Cl. 29—203.

Carlisle, Richard W., to Ling-Temco Electronics, Inc. Reflex horn loudspeaker. 2,981,359, 4–25–61, Cl. 181—27.

Carlo, Clarence E., to Dubuque Products, Inc. Collable partition. 2,978,019, 4–4–61, Cl. 160—23.

Carlon, Steven R., to General Electric Co. Spacer for electrical windings. 2,986,716, 5–30–61, Cl. 336—185.

Carls, William H., Jr., to the Perolin Co., Inc. Fuel oil additive. 3,003,857, 10–10–61, Cl. 44—58.

Carlsen, Earl W., H. Ryder, and A. Baum, to United States of America, Agriculture. Pallet box filler. 3,000,162, 9–19–61, Cl. 53—248.

Carlsen, Erling A.: *See*—
Carlsen, Henning G., and E. A. 2,988,274.

Carlsen, Harry R., to G. T. Schjeldahl Co. Compensator for web sheet. 2,990,989, 7–4–61, Cl. 226—35.

Carlsen, Helmuth W., to AB Interconsult. Transport tanks having a substantially spherical wall. 3,000,530, 9–19–61, Cl. 220—1.

Carlsen, Henning G. and E. A. Calculating machines. 2,988,274 6–13–61, Cl. 235—73.

Carlsen, Leonard O., to The Gleason Works. Gear cutting machine with work spindle positioning means. 2,972,912, 2–28–61, Cl. 74—813.

Carlsen, Leonard O., to The Gleason Works. Drive of gear generating machine. 2,999,429, 9–12–61, Cl. 90—6.

Carlsen, Leonard O., and C. B. King, to The Gleason Works. Cutter for spiral bevel or hypoid gears. 2,994,943, 8–8–61, Cl. 29—105.

Carlson, Alan R., to Hewlett-Packard Co. Sweep circuit. 3,010,071, 11–21–61, Cl. 328—186.

Carlson, Arthur H.: *See*—
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Wulff, Cal W., and Carlson. 2,976,822.

Carlson, Arthur W., to Velsicol Chemical Corp. Phenylcyclopentylamine fungicides. 2,967,125, 1–3–61, Cl. 167—30.

Carlson, Arthur W., to A. O. Smith Corp. Combination mixing valve and fitting for water heater. 2,967,666, 1–10–61, Cl. 236—12.

Carlson, Arthur W., to United States of America, Air Force. Binary counting. 2,972,063, 2–14–61, Cl. 307—88.5.

Carlson, Arthur W., to United States of America, Air Force. Binary counter having gating means to prevent reversal of more than one stage during each input. 2,986,658, 5–30–61, Cl. 307—88.5.

Carlson, Barber C., to Dow Corning Corp. Organosilicon primers for cement base paints. 3,011,908, 12–5–61, Cl. 117—70.

Carlson, Bernard E., to The Colson Corp. Incubator. 2,980,106, 4–18–61, Cl. 128—1.

Carlson, Byron, to McCulloch Corp. Propeller mounting for outboard motors. 2,993,544, 7–25–61, Cl. 170—160.54.

Carlson, Carl L., and H. Nelson; said Carlson assor. to Radio Corp. of America. Semiconductor devices including gallium-containing electrodes. 2,977,262, 3–28–61, Cl. 148—33.

Carlson, Carl M. Solenoid actuated valve. 3,002,532, 10–3–61, Cl. 137—623.

Carlson, Carl T. Stepladder. 2,988,164, 6–13–61, Cl. 182—106.

Carlson, Carl W.: *See*—
Gunderson, Leland B., Carlson, and Loevenstein. 2,983,578.

Carlson, Charles M., and F. S. Potter, to Sun Metal Products, Inc. Wheel. 2,994,559, 8–1–61, Cl. 301—2.5.

Carlson, Charles M., and F. S. Potter, to Sun Metal Products, Inc. Bicycle wheel. 2,994,560, 8–1–61, Cl. 301—59.

Carlson, Chester F., to Haloid Xerox Inc. Method and apparatus for transferring and fixing xerographic images. 2,990,278, 6–27–61, Cl. 96—1.

Carlson, Chester F., and H. Bogdonoff, to Haloid Xerox Inc. Electrostatic image reproduction. 2,982,647, 5–2–61, Cl. 96—1.

Carlson, Clifford R., to The Bastian-Blessing Co. Food warmer. 2,976,391, 3–21–61, Cl. 219—35.

Carlson, Clinton V., to Cosom Industries, Inc. Bat. 2,967,710, 1–10–61, Cl. 273—72.

Carlson, Edwin E., I. F. Plagge, and A. M. Swanson; said Carlson and said Swanson assors. to Dairy Maid Products Cooperative. Manufacture of dry chocolate drink product. 3,013,881, 12–19–61, Cl. 99—24.

Carlson, Elmer A., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,978,228, 4–4–61, Cl. 257—288.

Carlson, Elmer C., 50% to E. R. Wren. Powdered osteotome. 2,984,241, 5–16–61, Cl. 128—312.

Carlson, Elmer T., and W. A. Kuhar, to Electric Distribution Products, Inc. Safety slide for bus duct. 2,997,555, 8–22–61, Cl. 200—50.

Carlson, Ernest, to Chrysler Corp. Valve tappet and method of making. 2,983,991, 5–16–61, Cl. 29—156.8.

Carlson, Ernest C., to International Harvester Co. Reversing mechanism. 3,005,360, 10–24–61, Cl. 74—792.

Carlson, Ernest C., and R. H. Witt, to International Harvester Co. Forage harvester with up-cut chopper and blower. 2,998,834, 9–5–61, Cl. 146—119.

Carlson, Ernest R.: *See*—
Hubbell, Harvey, and Carlson. 2,984,725.

Carlson, Ernest R., to General Electric Co. Digital frequency generator. 2,988,710, 6–13–61, Cl. 332—16.

Carlson, Everett W.: *See*—
Du Perow, Donald E., Blackford, and Carlson. 3,012,584.

Carlson Fabrication & Welding Co., Inc., The: *See*—
Bader, Samuel M. 3,000,524.

Carlson, Frank A., Jr., to Monsanto Chemical Co. Method for preparing high density sheets of foamable thermoplastic resin compositions. 3,011,217, 12–5–61, Cl. 18—55.

Carlson, Frank N., to Consolidated Electrodynamics Corp. Electrical heater control circuits. 2,975,260, 3–14–61, Cl. 219—20.

Carlson, George E., to A-P-D Co. Sealing ring. 2,975,598, 3–21–61, Cl. 60—54.6.

Carlson, Harold A., to ACF Industries, Inc. Throttle operated starter switch. 2,977,100 3–28–61, Cl. 261—39.

Carlson, Harold A., to ACF Industries, Inc. Automatic choke. 2,977,101, 3–28–61, Cl. 261—39.

Carlson, Harold A., to ACF Industries, Inc. Two stage carburetion. 3,003,488, 10–10–61, Cl. 123—127.

Carlson, Harold A., and A. F. Gerst, to ACF Industries, Inc. Fuel mixture distribution control for internal combustion engines. 2,991,052, 7–4–61, Cl. 261—23.

Carlson, Harold A., O. J. Eickmann, and R. J. Smith, to ACF Industries, Inc. Multi-barrel carburetor. 3,006,616, 10–31–61, Cl. 261—23.

Carlson, Harold A., W. E. Highley, and M. C. Brown, to ACF Industries, Inc. Automatic choke mechanism. 3,006,618, 10–31–61, Cl. 261—39.

Carlson, Harold A., O. J. Eickmann, and R. J. Smith, to ACF Industries, Inc. Multi-barrel carburetor. 3,013,778, 12–19–61, Cl. 261—23.

Carlson, Harry R. D. Nutcracker. 2,989,103, 6–20–61, Cl. 146—13.

Carlson, Herbert D.: *See*—
Gold, Robert M., and Carlson. 3,013,791.

Carlson, James A. Winch safety device. 2,988,331, 6–13–61, Cl. 254—173.

Carlson, John A. Building construction. 2,972,838, 2–28–61, Cl. 50—309.

Carlson, John I., to Carlson Tool & Machine Co. Reciprocating wire cutting wherein blade is grooved to slidably engage work support. 2,990,743, 7–4–61, Cl. 83—580.

Carlson, Melvin G., and J. J. Delaney, to Goodman Mfg. Co. Hydraulic actuated apparatus for controlling slack in conveyor belts. 2,986,267, 5–30–61, Cl. 198—208.

Carlson, Paul G., to Solar Aircraft Co. Gas turbine engine adaptable for multi-purpose use. 2,971,334, 2–14–61, Cl. 60—39.16.

Carlson, Ralph G.: *See*—
Schott, Warren B., Murphy, Di Maio, and Carlson. 3,012,258.

Carlson, Reuben C., to Admiral Corp. Bi-directional transmission and motor system. 2,978,923, 4–11–61, Cl. 74—472.

Carlson, Reuben C., to Admiral Corp. Tuning shaft arrangement for television tuner. 2,989,629, 6–20–61, Cl. 250—40.

Carlson, Richard A., to General Motors Corp. Transistorized motor control system responsive to temperature. 2,991,405, 7–4–61, Cl. 318—471.

Carlson, Robert L., and C. A. Crafts, to Robertshaw-Fulton Controls Co. Linear and logarithmic amplifiers for compensated ionization chambers. 2,986,636, 5–30–61, Cl. 250—83.1.

Carlson, Robert W., and R. R. Johnson, to Minnesota Rubber Co. Brake cup with embedded metal insert. 2,992,870, 7–18–61, Cl. 309—33.

Carlson, Sture H.: *See*—
Groth, Otto I., Carlson, and Carlsson. 2,992,040.

Carlson, Theodore F. Adjustable ball stud unit. 3,007,729, 11–7–61, Cl. 287—90.

Carlson Tool & Machine Co.: *See*—
Carlson, John I. 2,990,743.

Carlson, Walter. Cleaning device for floors and the like. 3,000,039, 9–19–61, Cl. 15—534.

Carlson, Walter. Cleaning device. 3,000,040, 9–19–61, Cl. 15—567.

Carlson, Wilbur L., to General Motors Corp. Broaching method and apparatus therefor. 2,975,682, 3–21–61, Cl. 90—93.

Carlson, Willard E., to St. Regis Paper Co. Wet web binding process and product. 2,998,344, 8–29–61, Cl. 162—157.

Carlson, William L., Jr., to Minneapolis-Honeywell Regulator Co. Load protection device. 2,971,128, 2–7–61, Cl. 317—9.

Carlson, William L., Jr., to Minneapolis-Honeywell Regulator Co. Electromagnetic pump. 2,981,193, 4–25–61, Cl. 103—1.

Carlson, William L., Jr., to Minneapolis-Honeywell Regulator Co. Self-reversing apparatus. 3,005,313, 10–24–61, Cl. 60—54.5.

Carlson, William L., Jr., to Minneapolis-Honeywell Regulator Co. Fluid actuator. 3,008,294, 11–14–61, Cl. 60—52.

Carlson, William L., Jr., and J. W. Mobarry, to Minneapolis-Honeywell Regulator Co. Temperature responsive current control. 2,971,129, 2–7–61, Cl. 317—13.

Carlson, Wyman I.: *See*—
Karge, Max R., and Carlson. 2,979,096.

Carlson, Wyman I., to Chisholm-Ryder Co., Inc. Bean snipper. 3,010,498, 11–28–61, Cl. 146—86.

Carlsson, Bengt O., and K. Eklund, to Durox International Societe Anonyme. Apparatus for making a plurality of vertical cuts through light-weight concrete. 2,978,777, 4–11–61, Cl. 25—108.

Carlsson, Carl D., to Sala Maskinfabriks Aktiebolag. Safety block. 2,990,131, 6–27–61, Cl. 242—107.4.

Carlsson, Peter M., and K. F. Petersen, to Dano Ingeniorforretning og Maskinfabrik, Ingenior Kai Petersen's Fond. Apparatus for the fermentation of solid organic materials. 2,969,277, 1–24–61, Cl. 23—259.1.

Carlsson, Stig. Loudspeaker apparatus. 2,979,149, 4–11–61, Cl. 181—31.

Carlstedt, Ragnar L., to The R. K. Le Blond Machine Tool Co. Control system for a boring machine. 2,969,698, 1–31–61, Cl. 77—3.

Carlstedt, Ragnar L., to The R. K. Le Blond Machine Tool Co. Apparatus for preventing vibration of boring bar. 3,014,384, 12–26–61, Cl. 77—3.

Carlston, Earl F., to California Research Corp. Preparation of alkyd resins involving the acidolysis of triglyceride oils, isophthalic and terephthalic acids. 2,991,259, 7–4–61, Cl. 260—22.

Carlston, Earl F., to California Research Corp. Process of preparing alkyd resins involving the acidolysis of the triglyceride oils and phthalic anhydride. 3,001,962, 9–26–61, Cl. 260—22.

Carlston, Earl F., and G. B. Johnson. Oil-less alkyd resins based on isophthalic acid as plasticizers for urea-aldehyde resins and the like. 2,991,274, 7–4–61, Cl. 260—76.

Carlton, Alvar G., to United States of America, Navy. Servo control system for guided missile. 2,981,500, 4–25–61, Cl. 244—14.

Carlton, Robert H. Shoe dispenser. 2,984,530, 5–16–61, Cl. 312—97.

Carlton, William W.: *See*—
Boardman, Warren P., Jr., Carver, Carlton, and Wise. 2,986,219.

Carlzen, Carl F., and W. L. Lehner, to Sylvania Electric Products Inc. Electronics component assembly apparatus. 2,979,726, 4–18–61, Cl. 1—323.

Carlzen, Carl F., and M. L. Lincoln, to Sylvania Electric Products Inc. Soldering device. 2,993,272, 7–25–61, Cl. 29—503.

Carmack, Marvin, D. Shew, and L. M. Weinstock. Thiadiazole-dicarboxylates. 2,980,687, 4–18–61, Cl. 260—299.

Carmack, Marvin, and R. W. Luckenbaugh, to E. I. du Pont de Nemours and Co. Substituted imidazolidinone and method for the control of undesired vegetation. 2,985,663, 5–23–61, Cl. 260—309.7.

Carmack, Marvin, D. Shew, and L. M. Weinstock. 1,2,5-thiadiazole-3,4-dicarboxamide. 2,990,408, 6–27–61, Cl. 260—302.

Carmack, Marvin, D. Shew, and L. M. Weinstock. 3,4-dicyano-1,2,5-thiadiazole. 2,990,409, 6–27–61, Cl. 260—302.

Carmack, Marvin, D. Shew, and L. M. Weinstock. 3,4-dicarboloweralkoxy-1,2,5-thiadiazoles and process. 3,014,914, 12–26–61, Cl. 260—302.

Carmack, Marvin, D. Shew, and L. M. Weinstock. 4-carbomethoxy-1,2,5-thiadiazole-3-carboxylic acid and its acid chloride. 3,014,915, 12–26–61, Cl. 260—302.

Carman, Justice N., and L. C. De Mild, Jr., to Carman Laboratories, Inc. Lapping machine. 2,973,605, 3–7–61, Cl. 51—118.

Carman Laboratories, Inc.: *See*—
Carman, Justice N., and De Mild. 2,973,605.

Carmellini, Andrew E., and E. B. Hotelling, to American Machine & Foundry Co. Tobacco sheet. 2,976,873, 3–28–61, Cl. 131—140.

Carmen, Hyman, to Talon, Inc. Attachment for sewing slide fasteners to garments. 2,977,904, 4–4–61, Cl. 112—2.

Carmichael, Hoagland H., to R. H. Eckhoff, trustee. Cigarette package. 2,984,340, 5–16–61, Cl. 206—41.

Carmichael, Thomas F., to Syncro Corp. Generator system. 3,009,092, 11–14–61, Cl. 322—58.

Carmichael, Walter C., to American Optical Co. Auxiliary spectacles. 2,988,956, 6–20–61, Cl. 88—41.

Carmichael, Walter R. Envelope construction. 2,987,327, 6–6–61, Cl. 282—25.

Carmick, Louis G.: *See*—
Trotman, Herbert H., Child, and Carmick. 2,992,604.
Trotman, Herbert H., Child, and Carmick. 2,992,605.

Carmien, Joseph A., to New Plastic Corp. Hammers. 2,989,101, 6–20–61, Cl. 145—36.

Carmody, Don R.: *See*—
Zletz, Alex, and Carmody. 2,970,428.

Carmody, Don R., and A. Zletz, to Standard Oil Co. Aliphatic orthothioesters as rocket fuels. 2,998,699, 9–5–61, Cl. 60—35.4.

Carmody, Don R., and A. Zletz, to Standard Oil Co. Boron triamide rocket fuel. 3,001,361, 9–26–61, Cl. 60—35.4.

Car-Mon Products Co.: *See*—
Imming, Cornell A. 2,990,198.

Carmosino, Giuseppe P. Fish hook assembly. 2,976,641, 3–28–61, Cl. 43—35.

Carnahan, Orson A. External combustion gas engine. 2,992,536, 7–18–61, Cl. 60—57.

Carnation Co.: *See*—
Bruntjen, Hans W. 3,013,774.
Bruntjen, Hans W. 3,013,775.

Carnegie, Andrew, Sr. Visual aid mathematics educational device. 2,987,827, 6–13–61, Cl. 35—6.

Carney, Robert W., to General Electric Co. Triggered transistorized blocking oscillator with saturable transformer. 3,010,032, 11–21–61, Cl. 307—88.5.

Carney-Stansfield Co.: *See*—
Stansfield, Hamill, and Edge. 2,976,973.

Carnvale, Anthony: *See*—
Atanasoff, John V., and Carnvale. 3,000,215.

Carolan, Philip J. Seat press. 2,991,583, 7–11–61, Cl. 45—138.

Carolan, Raymond J., to The Bendix Corp. Injectors. 2,985,337, 5–23–61, Cl. 230—112.

Carolin, Edward R., to Kelsey-Hayes Co. Adjustable tread wheel. 3,004,797, 10–17–61, Cl. 301—9.

Carolina Knitting Machine Corp.: *See*—
Hart, Gene E., and Metcalf. 2,970,459.

Carolyn Chenilles, Inc.: *See*—
Dedmon, George D. 2,989,014.

Caron, Charles, to Mefina S.A. Sewing machine whereby stitches forming various patterns can be produced automatically. 3,005,137, 10–17–61, Cl. 318—119.

Caron, Claude, to Societe dite Soletanche (S.A.R.L.). Method and composition for strengthening loose grounds. 3,012,405, 12–12–61, Cl. 61—36.

Caron, Edgar L., J. L. Johnson, J. W. Hinman, and H. Hoeksema, to The Upjohn Co. Isonovobiocin and isomerization thereof. 2,983,723, 5–9–61, Cl. 260—210.

Caron, Michel: *See*—
Chaudron, Georges, Caron, and Cano. 3,005,702.

Caronelle Inc.: *See*—
Otto, Carl L. and L. B., and Briton. 2,944,327.

Carosella, Michael C., to Union Carbide Corp. Leaching method for use in the production of electrolytic manganese. 3,003,936, 10–10–61, Cl. 204—105.

Caroselli, Remus F., to Owens-Corning Fiberglas Corp. Method for flameless heat cleaning fibrous glass. 3,008,846, 11–14–61, Cl. 117—54.

Carothers, John N., and R. J. Hurka, Jr. Process for producing ammoniated phosphatic fertilizers. 2,976,140, 3–21–61, Cl. 71—40.

Carothers, John N., and R. J. Hurka, Jr. Process for the recovery of values from phosphate rock. 2,976,141, 3–21–61, Cl. 71—40.

Carothers, William F. Wash-over spear apparatus. 2,998,078, 8–29–61, Cl. 166—237.

Carothers, William F., to M & B Fishing Tool Co., Inc. Retrievable bridge plug. 3,002,562, 10–3–61, Cl. 166—125.

Carpenter, Albert S., to Courtaulds Ltd. Manufacture of copolymeric products. 3,004,008, 10–10–61, Cl. 260—85.5.

Carpenter, Benjamin: *See*—
Alderson, Ross C., and Carpenter. 2,993,664.

Carpenter, Benjamin, deceased, by E. B. Carpenter, B. Carpenter, Jr., and W. T. Fisher, trustees, to Minneapolis-Honeywell Regulator Co. Automatic instrument landing systems for air-borne craft. 2,993,665, 7-25-61, Cl. 244—77.

Carpenter, Benjamin, Jr.: *See*—
Carpenter, Benjamin. 2,993,665.

Carpenter, Chalmers R. Method of and apparatus for making a geophysical and topographical map. 3,008,046, 11-7-61, Cl. 250—71.5.

Carpenter, Edward W., and G. E. Lane. Sectional masking device. 2,996,041, 8-15-61, Cl. 118—505.

Carpenter, Edward W., and G. E. Lane. Adjustable masking device. 3,001,509, 9-26-61, Cl. 118—503.

Carpenter, Eleanor B.: *See*—
Carpenter, Benjamin. 2,993,665.

Carpenter, Erwin L., and R. B. Booth, to American Cyanamid Co. Hydroxynitriles as flotation modifiers. 2,984,354, 5-16-61, Cl. 209—167.

Carpenter, Irvin M.: *See*—
Melton, James O., and Carpenter. 3,010,777.

Carpenter, L. E., & Co.: *See*—
Sylvester, Arthur D., Turner, and Schroeder. 3,011,383.

Carpenter, Lowell C. Road sign standards. 2,995,847, 8-15-61, Cl. 40—125.

Carpenter, Marion S., W. M. Easter, Jr., and T. F. Wood, to The Givaudan Corp. Process of preparing substituted tetrahydronaphthalenes. 2,997,503, 8-22-61, Cl. 260—592.

Carpenter, Ose F. Chicken coop. 2,970,712, 2-7-61, Cl. 217—57.

Carpenter, Otis R., and F. W. Armstrong, to The Babcock & Wilcox Co. Method of and apparatus for panel wall welding with plural pairs of electrodes. 2,993,983, 7-25-61, Cl. 219—124.

Carpenter, Paul G., to Phillips Petroleum Co. Drilling fluids and method of using same. 2,969,321, 1-24-61, Cl. 252—8.5.

Carpenter, Paul G., to Phillips Petroleum Co. Modification of linear rubbery polymers. 2,979,488, 4-11-61, Cl. 260—79.

Carpenter, Paul G., to Copolymer Rubber & Chemical Corp. Process for enlarging the average particle size and concentrating synthetic rubber latex and products obtained thereby. 2,993,020, 7-18-61, Cl. 260—29.7.

Carpenter, Paul G., to Phillips Petroleum Co. Making underground storage caverns. 2,994,200, 8-1-61, Cl. 61—5.

Carpenter, Paul G., to Phillips Petroleum Co. Composite rubber article. 3,011,931, 12-5-61, Cl. 154—52.

Carpenter, Paul J.: *See*—
Fawcett, Daniel G., and Carpenter. 2,975,298.

Carpenter, Richard A., to Callery Chemical Co. Production of alkali metals. 2,983,599, 5-9-61, Cl. 75—66.

Carpenter, Robert H., to The Weatherhead Co. Tube cutter. 2,988,814, 6-20-61, Cl. 30—102.

Carpenter, Rupert E. H. Polarised electromagnetic relays and like devices. Re. 24,998, 6-6-61, Cl. 200—93

Carpenter Steel Co., The: *See*—
Post, Carl B., and Eberly. 2,990,277.

Carpenter, Virgil R., to The Unipress Co. Machine control switch. 2,999,917, 9-12-61, Cl. 200—153.

Carpenter, Walter H., and B. D. Hice, to Process Equipment Co., Inc. Apparatus and method of rapid freezing. 2,974,497, 3-14-61, Cl. 62—63.

Carpenter, William P., to The Superior Electric Co. Variable autotransformer. 2,976,477, 3-21-61, Cl. 323—47.

Carpenter, William P., to The Superior Electric Co. Adjustable impedance circuit. 2,976,481, 3-21-61, Cl. 323—109.

Carpentier, Richard A.: *See*—
Bush, Jack D., Carpenter, and Schechter. 3,014,059.
Ingwerson, Dale R., and Carpentier. 2,995,302.

Carper, Robert F., D. H. Gregg, and C. J. Lintner, to The Upjohn Co. Antibiotic composition. 2,994,639, 8-1-61, Cl. 167—55.

Carpigiani, Poerio. Continuous ice-cream machine. 3,000,194, 9-19-61, Cl. 62—342.

Carpinella, Michael J., to Scovill Mfg. Co. Garment detachable snap fasteners. 3,010,169, 11-28-61, Cl. 24—107.

Carpinella, Michael J., to Scovill Mfg. Co. Fastener setting dies. 3,013,271, 12-19-61, Cl. 1—317.

Carpinella, Michael J., and L. J. Desbaies, to Scovill Mfg. Co. Capped prong rings. 3,002,246, 10-3-61, Cl. 24—216.

Carr, Amos J., Jr., to Raytheon Co. Circuit responsive to amplitude and phase modulated wave and converting amplitude modulation into secondary phase modulation. 2,976,491, 3-21-61, Cl. 328—155.

Carr, Calvin W.: *See*—
Bowers, Robert H., and Carr. 2,985,383.

Carr, Donald E.: *See*—
Kraus, Gerard, and Carr. 3,002,944.

Carr, Derrick T., to United Shoe Machinery Corp. Machines for forming shoe uppers. 2,983,935, 5-16-61, Cl. 12—54.3.

Carr, Donald E., to Phillips Petroleum Co. Jet engine combustion processes. 3,006,142, 10-31-61, Cl. 60—35.4.

Carr, Donald E., to Phillips Petroleum Co. Improved sulfur-cured rubber-base solid propellant containing magnesium oxide. 3,010,814, 11-28-61, Cl. 52—5.

Carr, Hanford R.: *See*—
Bradley, Robert L., and Carr. 3,002,208.

Carr, Hugh B.: *See*—
Kinney, Selwyne P., Clarke, and Carr. 2,992,777.

Carr, Hugh B., A. F. Yuska, and S. P. Kinney, to S. P. Kinney Engineers, Inc. Butterfly valve. 3,006,598, 10-31-61, Cl. 251—171.

Carr, John W.: *See*—
Hanus, Edward J., and Carr. 2,977,235.

Carr, Joseph E.: *See*—
Risely, Bruce H., and Carr. 3,014,593.

Carr, Norman L., to The Pure Oil Co. Process for regenerating sulfur-degenerated catalysts. 2,987,486, 6-6-61, Cl. 252—416.

Carr, Norman L., to The Pure Oil Co. Process for producing mononuclear aromatics. 2,995,509, 8-8-61, Cl. 208—64.

Carr, Norman L., to The Pure Oil Co. Graphite forming process. 3,013,864, 12-19-61, Cl. 23—209.1.

Carr, Norman L., and V. Brozowski, to The Pure Oil Co. Regeneration of isomerization catalysts. 2,968,631, 1-17-61, Cl. 252—416.

Carr, Norman L., and V. Brozowski, to The Pure Oil Co. Reactivation of spent isomerization catalysts. 3,013,980, 12-19-61, Cl. 252—416.

Carr, Ralph L., and C. R. Dulany, to Olin Mathieson Chemical Corp. Process for purifying spent mercerization caustic. 2,980,501, 4-18-61, Cl. 23—49.

Carr, Robert D. Apparatus for depressing or deflecting wire, cable, or strand. 3,013,322, 12-19-61, Cl. 25—118.

Carr, Thomas J.: *See*—
Abt, Clifford F., Carr, Miner, and Spitalny. 2,983,442.

Carrara & Matta S.p.A.: *See*—
Bonomo, Giovanni. 2,977,175.

Carraway, Thomas W. Control mechanism for cooling and condensing equipment. 2,984,993, 5-23-61, Cl. 62—171.

Carreker, Roland P., Jr., to General Electric Co. Apparatus for the continuous formation of intermediates. 3,008,201, 11-14-61, Cl. 22—57.2.

Carrel, Ralph E. Suction box covers. 2,990,015, 6-27-61, Cl. 162—367.

Carrell, Donald D.: *See*—
Stiglic, Paul M., and Carrell. 2,992,633.

Carrell, Ross M., to Radio Corporation of America. Acoustical impedance meter. 2,981,096, 4-25-61, Cl. 73—67.1.

Carrico, Billy J., to General Motors Corp. Sampling thermocouple. 2,971,997, 2-14-61, Cl. 136—4.

Carrico, Robert G. Lunette. 2,981,404, 4-25-61, Cl. 206—19.

Carrier Corp.: *See*—
Alt, Carl G. 3,008,309.
Arzberger, William A., Swart, and Rauscher. 3,010,379.
Ashley, Carlyle M. 2,978,325.
Ashley, Carlyle M. 3,012,409.
Barth, Eugene W., and Shields. 2,973,771.
Bell, William W., Jr. 3,007,695.
Bell, William W., Jr. 3,008,253.
Beresik, Lawrence S. 2,998,715.
Byrns, Edson H. 3,008,693
Caswell, Howard E. 2,983,115.
Caswell, Howard E. 3,002,360.
Endress, James W., and Jurgensen. 3,013,404.
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Endress, James W., and Townsend. 2,986,894.
Garland, Robert J. 3,000,084.
Gerteis, Karl M. 3,008,629.
Gerteis, Karl M., and Ayling. 3,008,628.
Gillham, John N., and Del Signore. 2,986,016.
Harter, Earl F. 2,974,241.
Hayes, Richmond S., Jr. 2,975,861.
Hill, Bruce E. 3,005,944.
Hungate, Ernest C. 3,012,677.
Klarer, Herman O. 3,012,759.
Koepcke, John M. 3,010,287.
Kuklinski, Henry W. 3,010,289.
Leonard, Louis H., Jr. 2,983,110.
Leonard, Louis H., Jr. 2,984,990.
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MacLeod, David E. 2,999,371.
MacLeod, David E., and Stevens. 2,970,457.
McGrath, William L. 2,988,897.
McGrath, William L. 3,012,760.
Mehalick, John R. 3,003,334.
Reiss, Andrew E. 3,008,305.
Rhea, Hal H., and Burke. 2,976,696.
Rich, Donald G. 3,006,979.
Ryan, Matthew G., and Sheckler. 3,008,300.
Sheckler, Addison C. 2,993,340.
Sheckler, Addison C. 3,005,316.
Sheckler, Addison C. 3,008,299
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Carrier, Ralph A., Jr., and F. C. Farnam, to The Farnam Mfg. Co., Inc. Electric heater. 2,967,225, 1-3-61, Cl. 219—34.

Carrier, Robert A.: *See*—
Ziegler, Earl R., and Carrier. 2,996,754.

Carrier, Robert D. Aquatic play equipment. 2,982,547, 5-2-61, Cl. 272—56.5.

Carrier, Robert M., Jr., to Chain Belt Co. Vibratory equipment using air springs. 2,985,281, 5-23-61, Cl. 198—220.

Carrier, Robert M., Jr., to Chain Belt Co. Vibration exciter employing a liquid mass. 3,011,355, 12-5-61, Cl. 74—87.

Carriere, Edmond M. Book supporting device. 2,977,712, 4-4-61, Cl. 45—80.

Carrigan, Carl E. Hammer safety lock for firearms. 2,994,981, 8-8-61, Cl. 42—66.

Carrigan, Raymond J.: *See*—
Jackson, Robert J., and Carrigan. 3,009,485.

Carrigan, Tracy, to Food Machinery and Chemical Corp. Headlamp testing apparatus. 2,979,983, 4–18–61, Cl. 88—14.

Carrigan, Tracy, and W. G. Bush, to FMC Corp. Adjustable wheel support for wheel aligning equipment. 3,003,246, 10-10-61, Cl. 33—203.12.

Carrington, Thomas R.: *See*—
Jansen, Alexander B. A., and Carrington. 3,014,033.

Carriol, Louis A., to Societe d'Etudes, d'Inventions et de Brevets- S.E.I.B. Gear mechanism for fuel dispensing apparatus and the like. 2,986,951, 6–6–61, Cl. 74—348.

Carriol, Louis A., to Societe d'Etudes d'Inventions et de Brevets-S.E.I.B. Apparatus for dispensing liquids in incremental units. 2,990,977, 7–4–61, Cl. 222—20.

Carritt, Dayton E., and J. W. Kanwisher, 20% to Walter G. Finch. Electrode measuring device. 3,000,805, 9–19–61, Cl. 204—195.

Carroll, Alfred J., and T. H. Chamberlin. Disposable mold. 3,014,614, 12–26–61, Cl. 220—83.

Carroll, Charles, to Duff-Norton Co. Power-driven hoist. 2,991,976, 7–11–61, Cl. 254—168.

Carroll, Clifford L. Toilet paper container and dispenser. 2,991,951, 7–11–61, Cl. 242—55.42.

Carroll, David D. Animated stuffed animal. 3,014,309, 12–26–61, Cl. 46—135.

Carroll, David W.: *See*—
McNutt, Clarence R., Setz, Carroll, and Lesniewski. 2,991,960.

Carroll, Frank E., to United Aircraft Products, Inc. Thermostatic valve. 2,975,973, 3–21–61, Cl. 236—34.5.

Carroll, James G.: *See*—
Bolt, Robert O., and Carroll. 2,967,827.

Carroll, James G.: *See*—
Bolt, Robert O., Carroll, and Wright. 2,987,457.

Carroll, James L. Mechanical automobile parking garage. Re. 24,963, 4–4–61, Cl. 214—16.1.

Carroll, James M., to Texas Instruments Inc. FM transistor transceiver. 2,989,745, 6–20–61, Cl. 343—181.

Carroll, James W., to Pennsalt Chemicals Corp. Alkaline cleaning compositions. 3,010,907, 11–28–61, Cl. 252—135.

Carroll, John L., and C. D. Whitcomb, to Quikut, Inc. Knife. 2,973,578, 3–7–61, Cl. 30—355.

Carroll, Lawrence K., J. H. Messinger, and C. D. Whitcomb, to Quikut, Inc. Kitchen utensil. 3,004,341, 10–17–61, Cl. 30—325.

Carroll, Martin J., and E. T. Lorig, to United States Steel Corp. Self-centering rolls. 3,001,682, 9–26–61, Cl. 226—192.

Carroll, Robert L. Strand tension device. 2,974,897, 3–14–61, Cl. 242—154.

Carroll, Robert L. Shuttle boxing device. 3,010,484, 11–28–61, Cl. 139—185.

Carroll, William H. Bath tub. 2,993,218, 7–25–61, Cl. 4—181.

Carroll, William N., to International Business Machines Corp. Transistor protective circuit. 2,993,128, 7–18–61, Cl. 307—88.5.

Carrow, Burnett T. Bowling pin rake. 3,014,749, 12–26–61, Cl. 294—26.

Carrozza, Roy J.: *See*—
Scheeler, Frederick H., and Carrozza. 2,997,948.

Carrozza, Roy J., S. J. Potocki, and J. W. Campagna, to Admiral Corp. Printed circuit printing machine. 3,001,786, 9–26–61, Cl. 271—44.

Carruthers, Thomas F.: *See*—
Fowler, George W., and Carruthers. 2,977,385.

Carry, William J.: *See*—
Gaines, John R. and C. F., De Pew, and Carry. 2,997,136.

Carski, Theodore J., to Baltimore Biological Laboratory, Inc. Petri dish. 2,971,892. 2–14–61, Cl. 195—139.

Carson, Forrest L. Electrical junction box. 2,990,969, 7–4–61, Cl. 220—3.6.

Carson, Frank J.: *See*—
Dunipace, Donald W., and Carson. 3,002,321.

Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owens-Ford Glass Co. Apparatus for bending glass sheets. 2,977,720, 4-4-61, Cl. 49—67.

Carson, G. & W. H., Inc.: *See*—
Presgrave, Cyril. 2,975,897.

Carson, Lawrence E., to Modern Village Stores, Inc. Multiple dispensing rack for cigarette packages. 3,008,584, 11–14–61, Cl. 211—49.

Carson, Raymond M. Turntable-type hitch. 2,988,383, 6–13–61, Cl. 280—478.

Carson, Robert H., to Peerless Machine & Tool Co., Inc. Formed paper dish and method for making same. 2,997,927, 8–29–61, Cl. 93—36.

Carson, Walter C.: *See*—
Papy, Hugh R., Carson, and Rowley. 2,998,154.

Carsten, Paul W.: *See*—
Griswold, David E., Carsten, and Settles. 2,986,167.

Carston, Walter. Excavating loading and carry-off earth working machine. 2,994,139, 8–1–61, Cl. 37—126.

Carswell, James M. Jet reaction prime mover. 2,994,195, 8–1–61, Cl. 60—39.35.

Carswell, John L. Rotary internal combustion jet engine. 2,998,701, 9–5–61, Cl. 60—35.6.

Carswell, William D., and P. Willcock, to Shell Oil Co. Grease-making process. 2,986,518, 5–30–61, Cl. 252—28.

Cart, Ward B., to Allis-Chalmers Mfg. Co. Phase shifting device for synchronous dynamoelectric machines. 3,005,120, 10–17–61, Cl. 310—209.

Carter, Andrew G. Band saw guide. 2,986,181, 5–30–61, Cl. 143—162.

Carter, B. & F., & Co. Ltd.: *See*—
Carter, Ben. 2,986,061.

Carter, Ben, to B. & F. Carter & Co. Ltd. Carriers for braiding machines. 2,986,061, 5–30–61, Cl. 87—56.

Carter, Benjamin W., to The Cincinnati Milling Machine Co. Hydraulic system for pattern controlled machine tools. 2,969,717, 1–31–61, Cl. 90—13.5.

Carter, Charles E., and R. W. Smyth, to Gulf Research & Development Co. Oxo process. 2,978,513, 4–4–61, Cl. 260—604.

Carter Controls, Inc.: *See*—
Miller, J. Carter, and Lanman. 2,974,646.

Carter, Edward S., Jr., to United Aircraft Corp. Automatic hovering control. 2,998,210, 8–29–61, Cl. 244—77.

Carter, Ernest P., to The Chemstrand Corp. Textile treating apapratus. 2,74,512, 3–14–61, Cl. 68—5.

Carter, Franklyn Y., to American Radiator & Standard Sanitary Corp. Refrigerant expansion valve and control unit therefor. 2,972,237, 2–21–61, Cl. 62—211.

Carter, Helen M. Automatic door lock mechanism for safes, strongboxes and other receptacles. 2,988,911, 6–20–61, Cl. 70—314.

Carter, Horace J., to Ferracute Machine Co. Clutch-brake mechanism. 3,000,478, 9–19–61, Cl. 192—18.

Carter, James E., ¼ to R. P. Langford. Shaper. 2,968,225, 1–17–61, Cl. 90—18.

Carter, John L.: *See*—
Reingold, Irving, and Carter. 2,981,901.

Carter, John M. M., to Imperial Chemical Industries Ltd. Single chamber dual thrust rocket motor. 3,011,309, 12–5–61, Cl. 60—35.6.

Carter, Joseph E., and C. B. Goodrich, to The International Nickel Co., Inc. Apparatus for conducting solid-fluid reactions. 2,987,381, 6–6–61, Cl. 23—284.

Carter, Leroy C., and L. D. Creeger, to Westinghouse Electric Corp. Generator drive shaft assembly. 3,005,323, 10–24–61, Cl. 64—9.

Carter, Norman D.: *See*—
Pevere, Ernest F., Riordan, and Carter. 2,973,313.
Riordan, Michael D., Carter, and Bos. 3,005,781.

Carter, Otis L., to Slip-Not Belting Corp. Loom check strap construction. 2,995,152, 8–8–61, Cl. 139—161.

Carter, Otis L., to Slip-Not Belting Corp. Loom picker stick check. 2,995,153, 8–8–61, Cl. 139—165.

Carter, Otis L. Checking device for a loom. 3,005,470, 10–24–61, Cl. 139—165.

Carter Parts Co.: *See*—
Gloviak, Stanley, and Frantz. 3,011,035.

Carter, Philip M., and D. Nardoza, to Casco Products Corp. Fire extinguisher valves. 3,009,681, 11–21–61, Cl. 251—332.

Carter, Richard H., to The Fostoria Corp. Sludge dispersing heated liquid circulating system. 2,994,480, 8–1–61, Cl. 237—63.

Carter, Richard T. Method of casting refractory shells. 2,968,848, 1–24–61, Cl. 22—212.

Carter, Richard T. Method and apparatus for support and cooling of shell molds. 2,985,929, 5–30–61, Cl. 22—90.

Carter, Robert C., and D. Burnett, to Collins Radio Co. Stable F.M. oscillator. 2,984,794, 5–16–61, Cl. 332—16.

Carter, Robert E., to C. H. Masland and Sons. Carpet molding. 2,986,777, 6–6–61, Cl. 18—56.

Carter, Robert L., to General Motors Corp. Magnetic drive impeller pump. 2,968,248, 1–17–61, Cl. 103—87.

Carter, Rowland S., to Hexcel Products Inc. Expandable welded honeycomb. 2,968,714, 1–17–61, Cl. 219—117.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Article-dividing conveyor apparatus. 2,980,229, 4–18–61, Cl. 198—31.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Bottle spotting apparatus for labeling machines. 2,980,278, 4–18–61, Cl. 216—13.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Transfer device for adhering shoulder labels to bottles. 2,983,398, 5–9–61, Cl. 216—54.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Motor control means for spotting mechanism. 2,985,283, 5–23–61, Cl. 198—232.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Label-wiping means for labeling machines. 3,001,660, 9–26–61, Cl. 156—444.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Charge-arresting device for article accumulators. 3,008,563, 11–14–61, Cl. 198—30.

Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Apparatus for spotting handled jugs preparatory to labeling. 3,012,650, 12–12–61, Cl. 198—33.

Carter, Thomas N., and T. L. Zillox, to The Champion Paper and Fibre Co. Carton forming and handling apparatus. 3,002,326, 10–3–61, Cl. 53—185.

Carter, William A.: *See*—
Heberlein, Gustave E., and Carter. 2,996,592.

Carter, William J.: *See*—
Rumsey, Rollin D., and Carter. 2,997,140.

Carter, Willis M., and K. O. Lange, to Lange Instrument Co. Apparatus for forming contour lines. 2,981,147, 4–25–61, Cl. 88—24.

Cartier, William O.: *See*—
McLaughlin, George H., Harvey, Cartier, and Robinson. 3,015,060.

Cartiera Italiana S.p.A.: *See*—
Casalone-Rinaldi, Luigi. 3,013,939.

Cartlidge, John R., to The Cincinnati Mine Machinery Co. Set screw construction. 2,987,091, 6–6–61, Cl. 151—14.

Cartridge Type Seal Liquidation Trust: *See*—
Laser, William F. 3,009,717.

Cartwright, Edwin O., Jr., H. H. Edwards, Jr., and S. F. Held, to Chance Vought Corp. Shock absorbing safety seat. 2,981,317, 4–25–61, Cl. 155—178.

Cartwright, Horace A., to City Tank Corp. Header construction for spraying equipment. 3,001,720, 9–26–61, Cl. 239—112.

Cartwright, Louis A.: *See*—
Kurie, Franz N. D., and Cartwright. 2,978,668.
Kurie, Franz N. D., and Cartwright. 2,978,690.

Cartwright, Victor F.: *See*—
Steinberg, Richard, and Cartwright. 3,004,254.

Carty, Martin F., and W. F. Conable, to Sperry Rand Corp., Ford Instrument Co. Division. Gun director testing system. 2,967,420, 1–10–61, Cl. 73—1.

Carusi, Alexander, and R. F. Kolec, to Olympic Screw & Rivet Corp. Method of forging blind rivet having a hollow shank with longitudinal lines of weakness. 3,009,177, 11–21–61, Cl. 10—27.

Caruso, Anthony. Miter gage attachment for box joints. 2,972,366, 2–21–61, Cl. 144—198.

Caruso, Gerard P., to Shell Oil Co. Corrosion-resistant lubricating grease compositions. 2,971,911, 2–14–61, Cl. 252—42.1.

Caruso, Gerard P., to Shell Oil Co. Clay grease manufacturing process. 3,006,848, 10–31–61, Cl. 252—28.

Caruso, William J., and B. M. Wundt, to General Electric Co. Turbo-machine blade spacing with modulated pitch. 3,006,603 10–31–61, Cl. 253—39.

Caruthers, Felix P.: *See*—
Gallagher, Norman K., and Caruthers. 3,007,343.

Carvajal, Fernando, to Schering Corp. 11a-hydroxylation of steroids by glomerella. 2,985,563, 5–23–61, Cl. 195—51.

Carvallo, Pierre. Apparatus for the heat treatment of products in sealed containers. 2,968,232, 1–17–61, Cl. 99—360.

Carver, George P.: *See*—
Boardman, Warren P., Jr., Carver, Carlton, and Wise. 2,986,219.

Carver, Richard N., to Louis Marx & Co., Inc. Toy. 3,002,318, 10–3–61, Cl. 46—177.

Carver, Robert L., to Ensign Electric & Mfg. Co. Quick detachable arc chute assembly for contactors. 2,967,921, 1–10–61, Cl. 200—144.

Carver, Robert L., to Nuclear-Chicago Corp. Storage shield for radioactivity device. 2,999,164, 9–5–61, Cl. 250—108.

Carvill, Richard E., to Bird Machine Co. Doctor arrangement. 3,001,296, 9–26–61, Cl. 34—85.

Carwin Co., The: *See*—
Sayigh, Adnan A. R. 2,996,546.

Cary Corp.: *See*—
Karlen, Harvey R. 2,979,597.

Cary, Donald S., to United States of America, Navy. Optical system for infrared target tracking apparatus. 3,002,092, 9–26–61, Cl. 250—83.3.

Cary, Donald S., R. E. Kesel, and S. M. MacNeille, to United States of America, Navy. Target-seeking head for guided missile. 2,997,595, 8–22–61, Cl. 250—203.

Cary, Francis H., to B-I-F Industries, Inc. Pneumatic pressure ratio apparatus. 2,970,476, 2–7–61, Cl. 73—407.

Cary, Henry H., to Applied Physics Corp. Servosystem. 3,013,194, 12–12–61, Cl. 318—28.

Cary, Joseph. Bush-clearing apparatus. 2,983,482, 5–9–61, Cl. 254—132.

Casady, Richard L., and J. D. Mooneyham, to Camo Tool Co., Inc. Oil and gas well cleaning apparatus. 2,998,074, 8–29–61, Cl. 166—172.

Casale, Liborio: *See*—
Maluta, Aulo, and Casale. 2,977,213.

Casalone-Rinaldi, Luigi, to Cartiera Italiana S.p.A. Filtering element. 3,013,939, 12–19–61, Cl. 162—223.

Casas-Robert, Ramon, J. Court, and R. Gianinazzi, to Mefina S.A. Sewing machines. 2,979,002, 4–11–61, Cl. 112—158.

Casavan Industries: *See*—
Kitson, Joseph R. 3,000,144.

Casavant, Albert R. Detachable leg rest for drums. 2,990,745, 7–4–61, Cl. 84—421.

Cascade Mfg. Co.: *See*—
Farmer, Stanley E. 2,974,636.
Farmer, Stanley E., and Didtel. 3,010,594.

Cascades Plywood Corp.: *See*—
Pearl, John J. 3,006,389.

Casco Products Corp.: *See*—
Carter, Philip M., and Nardoza. 3,009,681.
Horwitt, Laurence G., Suarez, and Hopp. 3,003,266.
Youhouse, Joseph, and J. H. Cone. 2,989,259.

Cascone, John E., to Owens-Corning Fiberglas Corp. Fibrous acoustical members and method for producing the same. 2,993,802, 7–25–61, Cl. 117—26.

Case, E. M.: *See*—
Heavner, Earl R. 3,000,038.

Case, Everett N., to Sinclair Refining Co. Oxyalkylated phenol-aldehyde resin. 2,973,340, 2–28–61, Cl. 260—53.

Case, Everett N., to Sinclair Refining Co. Leaded gasoline containing phosphorus. 2,984,552, 5–16–61, Cl. 44—69.

Case, J. I., Co.: *See*—
Bushmeyer, Richard W., and Henson. 2,990,892.
Hamilton, Matthew E. 2,981,345.
Russell, Stanley D. 3,006,207.
Stoll, Emil. 2,989,172.
Wenzel, Philip D. 2,999,548.

Case, Leslie C., and L. F. Schmoyer, to Research Corp. Production of cyclic ethers. 3,006,926, 10–31–61, Cl. 260—333.

Case, Oral. Catamenial bandage support. 3,014,482, 12–26–61, Cl. 128—291.

Case, Ralph N., ½ to F. T. Dumas. Boat trailer. 2,995,262, 8–8–61, Cl. 214—512.

Case, Richard Y., to United States Rubber Co. Non-articulated geared metal belt. 2,971,392, 2–14–61, Cl. 74—231.

Case, Robert O., Jr., to North American Aviation, Inc. Amplitude modulator. 2,968,010, 1–10–61, Cl. 332—41.

Casebolt, Ralph T. Miter joint. 2,996,159, 8–15–61, Cl. 189—36.

Casey, Charles J. Braking apparatus. 3,011,834, 12–5–61, Cl. 303—71.

Casey, Charles L., and J. B. Ryno, to Reliable Engineering Co. Paper toweling dispenser. 2,973,958, 3–7–61, Cl. 271—2.4.

Casey, Harry E., to Owens-Illinois Glass Co. Apparatus for placing roof deck slabs. 2,981,426, 4–25–61, Cl. 214—382.

Casey, James H.: *See*—
De Neui, Richard P., Dickerson, Casey, and Larsen. 2,990,081.

Casey, John L: *See*—
Engle, Allen W., and Casey. 2,994,398.

Casey, John W. Oil tank safety valve. 3,001,536, 9–26–61, Cl. 137—68.

Casey, Joseph J. Electric-arc torch. 2,973,426, 2–28–61, Cl. 219—75.

Casey, Ruby P. Circular canopy beds. 2,993,216, 7–25–61, Cl. 5—362.

Cash, A. W., Co.: *See*—
Kling, Lloyd D., and Mattingley. 2,995,805.

Cash, Carlton H., and W. R. Dawirs. Code sorter printer tube. 2,999,178, 9–5–61, Cl. 313—77.

Cash, David J., to Cleveland Pneumatic Industries, Inc. Pressure welding apparatus. 2,988,936, 6–20–61, Cl. 78—84.

Cash, George O., Jr.: *See*—
Coover, Harry W., Jr., and Cash. 2,972,608.

Cash, George O., Jr., to Eastman Kodak Co. Olefin polymerization catalysts containing alkali metal tetraphenylborate, aluminum chloride and transistion element compounds. 2,996,494, 8–15–61, Cl. 260—93.7.

Cash, George O., Jr., and H. W. Coover, Jr., to Eastman Kodak Co. Process of olefin polymerization with catalysts containing tetraphenylborates. 3,004,017, 10–10–61, Cl. 260—93.7.

Cashin, Inc.: *See*—
Gillman, Harold K. 2,969,099.

Casius Corp. Ltd.: *See*—
Ulfstedt, Leo T., Wijard, Wastesson, and Jorgensen. 2,987,407.

Caskin, Norman H. Clipper attachment for power mowers. 3,012,390, 12–12–61, Cl. 56—25.4.

Casler, Roger H.: *See*—
Eames, James O. 2,966,966.
Eames, James O. 2,980,220.
Eames, James O. 3,007,554.
Eames, James O. 3,007,555.
Eames, James O. 3,007,556.
Eaton, Wilfred A. 2,986,238.
Eaton, Wilfred A. 2,986,240.
Sanford, Roy S. 2,986,239.

Casler, Roger H.: *See*—
Eames, James O. 2,982,377.

Casler, Roger H., and S. N. Tower, to United States of America, Army. Coupler-disconnector tool for cartridge belt links. 3,002,416, 10–3–61, Cl. 86—48.

Caslow, Joseph H., to American Brake Shoe Co. Pilot operated valve mechanism. 2,981,287, 4–25–61, Cl. 137—622.

Cason, Paul B., to Hughes Aircraft Co. Apparatus for physically orienting electrically asymmetrical devices. 2,975,878, 3–21–61, Cl. 193—43.

Casper, Albert E. Apparatus for pollinating monoclinous plants. 2,995,868, 8–15–61, Cl. 47—1.

Casper, Johannes, J. Heinen, and W. Müller, to Farbenfabriken Bayer Aktiengesellschaft. Process for purifying acrylonitrile. 3,012,062, 12–5–61, Cl. 260—465.9.

Cassaday, Ernest W., and L. A. Dettlof, to Ross Gear and Tool Co., Inc. Servo system. 2,974,491, 3–14–61, Cl. 60—52.

Cassaday, Ernest W., C. F. Hammond, and D. C. Shropshire, to Ross Gear and Tool Co., Inc. Servo system. 2,995,012, 8–8–61, Cl. 60—52.

Cassady, Gerald H., and D. J. Hinman, to United States Rubber Co. Method and apparatus for fabricating air spring diaphragms. 2,990,002, 6–27–61, Cl. 154—1.

Cassarino, Sebastian J., and J. L. Mershon. Vertical exhaust pilot actuated safety valve. 2,976,880, 3–28–61, Cl. 137—219.

Cassart, Karl P. J.: *See*—
Schmit, Leon F. N., and Cassart. 2,993,796.

Cassell, Charles F., to J. C. Cassell. Incision closing means or stitching device. 2,996,776, 8–22–61, Cl. 24—87.

Cassell, Jeannette C.: *See*—
Cassell, Charles F. 2,996,776.

Cassell, Joseph L., to Automatic Fire Alarm Co. Battery charging and supervisory apparatus for closed circuit alarm systems. 2,996,652, 8–15–61, Cl. 320—48.

Cassell, Joseph L., to The Reeve Electrical Co., Inc. Vault protection. 3,009,137, 11–14–61, Cl. 340—214.
Casselia Farbwerke Mainkur Aktiengesellschaft: *See*—
Honold, Ernst, and Nikolai. 3,008,795.
Casselman, Robert C., to Polaroid Corp. Carton. 2,995,238, 8–8–61, Cl. 206—62.
Casselman, Robert C., D. P. Cooper, Jr., and W. C. Otis, to Polaroid Corp. Photoflash unit. 2,969,721, 1–31–61, Cl. 95—11.5.
Cassem, Gerald R. Garage floor liner. 2,996,150, 8–15–61, Cl. 184—100.
Casserly, John P., to The Electric Storage Battery Co. Storage battery construction. 2,999,893, 9–12–61, Cl. 136—166.
Cassettari, Russell J.: *See*—
Bardwell, Ralph F., and Cassettari. 2,994,166.
Cassia, Roland A. Liquid wax applicator. 2,974,349, 3–14–61, Cl. 15—569.
Cassidy, Robert J., to Pace, Inc. Thermoresponsive snap action switch. 2,988,621, 6–13–61, Cl. 200—138.
Cassidy, Vincent J.: *See*—
Stull, Ivan E., and Cassidy. 2,994,436.
Cast, Adolf, and G. Walliser, to Firma Karl M. Reich. Nailing apparatus and nail feeding mechanism therefor. 2,993,208, 7–25–61, Cl. 1—44.4.
Cast, Adolf, G. Walliser, and W. Speidel, to Firma Karl M. Reich. Nailing apparatus. 3,011,169, 12–5–61, Cl. 1—44.4.
Castedello, William, and W. K. Bender, to The Kalart Co. Inc. Sound projector for projecting still transparencies on film and reproducing sound from a sound record area. 3,001,444, 9–26–61, Cl. 88—28.
Casteel, Charles P. Device for educating a child. 3,013,348, 12–19–61, Cl. 35—69.
Castel, Jacques H., to PGAC Development Co. Perforating devices. 2,980,017, 4–18–61, Cl. 102—20.
Castelfranco, James: *See*—
Scully, Charles N., and Castelfranco. 3,014,353.
Castellano, Eugene N., to The Seymour Mfg. Co. High-level nickel plating. 2,998,360, 8–29–61, Cl. 204—49.
Castellano, Salvatore: *See*—
Natta, Giulio, Ercoli, and Castellano. 3,008,996.
Castellanos, Leo J., to Jersey Production Research Co. Underwater pipe locating device. 3,014,450, 12–26–61, Cl. 116—132.
Castelli, Charles, to Johnson & Johnson. Pressure-sensitive tape dispenser. 2,992,582, 7–18–61, Cl. 83—611.
Castelli, Charles, to Johnson & Johnson. Dispenser for dispensing fluffy fibrous material. 3,002,668, 10–3–61, Cl. 225—52.
Castelli, Charles, to Johnson & Johnson. Cutter. 3,003,236, 10–10–61, Cl. 30—224.
Caster, William F. Mattress handles. 2,982,977, 5–9–61, Cl. 5—345.
Castille, William A., to Jersey Production Research Co. Marine apparatus and method for raising and lowering same. 2,970,447, 2–7–61, Cl. 61—46.5.
Castillo, Herman B., to Temprite Products Corp. Hot water dispenser of pressure type. 3,012,571, 12–12–61, Cl. 137—334.
Castine, William A., and R. J. Hornak, to Pittsburgh Plate Glass Co. Edge roller. 3,011,246, 12–5–61, Cl. 29—116.
Castine, William A., Jr., D. R. Buckles, and J. R. Dahlberg, to Pittsburgh Plate Glass Co. Edge seaming apparatus. 2,969,624, 1–31–61, Cl. 51—137.
Castle, Edwin R., to The Garrett Corp. Cotton gin roll. 2,991,512, 7–11–61, Cl. 19—54.
Castle, John G., Jr.: *See*—
Schneeberger, Robert J., and Castle. 2,981,863.
Castor, Charles R.: *See*—
Breck, Donald W., Castor, and Milton. 3,013,990.
Bukata, Stanley W., Castor, and Milton. 3,013,988.
Castor, Charles R., to Union Carbide Corp. Titanium-loaded molecular sieves. 3,006,863, 10–31–61, Cl. 252—455.
Castor, Charles R., to Union Carbide Corp. Metal-loaded molecular sieves. 3,013,986, 12–19–61, Cl. 252—455.
Castor, Charles R., and R. M. Milton, to Union Carbide Corp. Metal loading of molecular sieves. 3,013,987, 12–19–61, Cl. 252—455.
Castor, Richard W., to Stewart-Warner Corp. Automatic phasing lockout for facsimile apparatus. 3,013,121, 12–12–61, Cl. 178—69.5.
Castricone, John A. to American Motors Corp. Washing machine. 2,973,193, 2–28–61, Cl. 265—49.
Castriota, Liborio J., and H. J. Carlin, to Polytechnic Institute of Brooklyn. System for receiving weak radio signals in the presence of jamming signals. 3,009,150, 11–14–61, Cl. 343—180
Castro Convertible Corp.: *See*—
Barabas, John J. 2,968,049.
Hubbell, Catherine B., and Pennell. 2,988,757.
Willis, Sumner C. 2,991,484.
Castro, Manuel. Key holder. 3,011,537, 12–5–61, Cl. 150—40.
Castro, Raoul, and A. M. Hasse. Aircraft instrumentation. 3,002,381, 10–3–61, Cl. 73—178.
Castrol Ltd.: *See*—
Elliott, John S., and Edwards. 2,971,912.
Elliott, John S., and Edwards. 2,976,288.
Castucci, Carmine A., 50% to F. J. Crisona. Folding ironing board. 2,997,799, 8–29–61, Cl. 38—139.
Casullo, Joseph T. Adjustable trimming attachment for calendering machine. 2,987,948, 6–13–61, Cl. 83—425.
Caswell, Arthur S., to I-T-E Circuit Breaker Co. Bushing mounted interrupter. 2,978,559, 4–4–61, Cl. 200—248.
Caswell, Earl G., to Union Carbide Corp. Method for purifying silane. 2,971,607, 2–14–61 Cl. 183—114.2.
Caswell, Howard E., to Carrier Corp. Heat transfer device with condensate drainage means. 2,983,115, 5–9–61, Cl. 62—285.
Caswell, Howard E., to Carrier Corp. Water purge for refrigeration systems. 3,002,360, 10–3–61, Cl. 62—160.
Catalano, Charles, and J. Zanca; said Zanca assor. to said Catalano. Means for making tearing dolls. 2,987,771, 6–13–61, Cl. 18—39.
Catalano, Marie E. and M. F. Folding gate. 2,990,880, 7–4–61, Cl. 161—162.
Catalano, Marlene F.: *See*—
Catalano, Marie E. and M. F. 2,990,880.
Cataldi, Joseph R.: *See*—
Shyne, Maurice W., and Cataldi. 2,998,997.
Cataldo, John. Ink adjuvants. 3,010,833, 11–28–61, Cl. 106—26.
Cataldo, John B., to I-T-E Circuit Breaker Co. Retractable finger bus duct plug with three position handle. 3,001,037, 9–19–61, Cl. 200—50.
Cataldo, John B., to I-T-E Circuit Breaker Co. Bus duct having stacked bus bars. 3,012,218, 12–5–61, Cl. 339—22.
Cataldo, Roy S., to General Motors Corp. Automatic car control system. 2,990,902, 7–4–61, Cl. 180—79.2.
Catallo, Frank, to Samcoe Holding Corp. Method and apparatus for moistening fabric. 2,998,327, 8–29–61, Cl. 117—68.
Catalyst Research Corp.: *See*—
Klein, Irvin I. 2,979,198.
Rogers, Maxwell B. 3,009,828.
Catalysts and Chemicals Inc.: *See*—
Fleming, Harold W., and Gutmann. 3,003,008.
Price, Wiliam R. 2,971,927.
Reitmeier, Ronald E., and Huber. 3,001,952.
Reitmeier, Ronald E., and Huber. 3,001,953.
Catania, Joseph. Bottom dump charging bucket. 3,000,661, 9–19–61, Cl. 294—69.
Catania, Salvatore J., and M. A. Ferrazzo, to Charmont Beauty Products Co. Disposable hair curler. 3,012,563, 12–12–61, Cl. 132—42.
Cataphote Corp.: *See*—
Searight, Charles E. 2,997,403.
Cate, Robert B., and J. C. Hartley, to Vinylin Research Inc. Apparatus for and method of producing floor covering of repeatless inlay pattern. 3,004,882, 10–17–61, Cl. 156—423.
Cater, John R., to Tung-Sol Electric Inc. Welding control circuit. 2,968,760, 1–17–61, Cl. 323—58.
Caterpillar Tractor Co.: *See*—
Backlund, Robert R. B., Balley, Goloff, Dowdall, and Kiley. 2,977,778.
Barker, Loren R., Parken, and Kaiser. 3,002,508.
Beck, Andrew J. 2,984,027.
Bentz, Erwin J. H. 2,976,859.
Boatman, Charles E., Clark, and Helton. 3,014,293.
Cruthis, Robert D., Hrodey, and Sieving. 2,976,947.
Erdahl, Nicholai M., Risk, and McCarthy. 2,967,628.
Fabere, Raymond W., and Mogk. 2,971,595.
Fangman, Charles N. 2,990,226.
Fitzgerald, Robert T., and Saletzki. 3,002,509.
Gendron, Robert W., and Lofthouse. 3,007,347.
Junck, John A., and Scheidt. 2,971,536.
Kennemer, Robert E., Immel, Cambron, and Barton. 2,971,802.
Larson, Donald J. 2,998,965.
Mattheessen, William L., and Workman. 2,977,805.
Page, Russell D. 2,967,596.
Parks, John H. 2,984,112.
Parks, John H. 2,994,225.
Peterson, Robert A. 2,986,827.
Richardson, Joseph W., Jr. 2,982,589.
Risk, Norman E. 3,010,530.
Risk, Norman E., Holden, and Heisel. 2,978,050.
Risk, Norman E., and McCarthy. 2,978,051.
Schmitt, James L. 2,989,986.
Sieving, Alfred W. 2,971,398.
Turbyfill, Benjamin F. 3,002,300.
Warner, Stanley W., and Buck. 2,967,364.
Zuhn, Arthur A. 2,967,518.
Catford, Adrian L.: *See*—
Murray, George H., and Catford. 2,970,498.
Catford, Adrian L., and T. A. H. Lancashire, to D. Napier & Son Ltd. Governor operated fuel control systems. 2,987,056, 6–6–61, Cl. 123—140.
Cathcart, Jack F., and F. P. Moffett. Universal mouth protector. 2,966,908, 1–3–61, Cl. 128—136.
Cathey, Carrol M., W. H. Finch, and A. R. Bechtold. Spherical amusement device. 3,000,022, 9–19–61, Cl. 9—310.
Catini, Vincenzo, to Spiral Binding Co., Inc. Machine for helically binding books. 2,995,157, 8–8–61, Cl. 140—92.7.
Catino, Sigmund C.: *See*—
Strobel, Albert F., and Catino. 2,993,892.
Catlett, Richard H. Holder for roll sheet dispenser. 2,990,090, 6–27–61, Cl. 225—77.
Catlett, Richard H., and R. F. Fitzpatrick, said Fitzpatrick assor. to said Catlett. Package holder. 2,984,395, 5–16–61, Cl. 225—42.

Catlin, Beryl G., and M. G. Kunec, ½ to said B. G. Catlin, and ½ to R. M. Duff. Brush and comb cleaner. 2,994,329, 8–1–61, Cl. 134—58.

Catlin, Beryl G., and M. G. Kunec, ½ to said B. G. Catlin, and ½ to R. M. Duff. Ultrasonic brush and comb cleaner. 2,994,330, 8–1–61, Cl. 134—58.

Catlin, Robert T., and A. J. Landa, to Remington Arms Co., Inc. Kiln gun. 2,977,855, 4–4–61, Cl. 89—24.

Catling, Harold, A. E. De Barr, and A. Linnert, to The British Cotton Industry Research Assn. Production of textile yarns. 3,013,313, 12–19–61, Cl. 19—155.

Caton, Alfred M., to Globe Industries, Inc. Governor. 2,997,559, 8–22–61, Cl. 200—80.

Catri, Thomas P., to West Virginia Pulp and Paper Co. Display stand. 3,000,546, 9–19–61, Cl. 229—16.

Catroppa, Frank A.: *See*—
Sloane, Murray, and Catroppa. 2,989,752.

Cattabiani, Eugene J., to Westinghouse Electric Corp. Construction for dynamoelectric machine. 2,994,795, 8–1–61, Cl. 310—86.

Cattaraugus Cutlery Co.: *See*—
Banton, Theodore H. 2,994,553.

Catterall, John, and J. A. Peterson, to Raytheon Co. Display cabinet. 2,994,440, 8–1–61, Cl. 211—163.

Cattermole, Frances L. Permanent wave device. 2,977,960, 4–4–61, Cl. 132—48.

Caudill, Howard F., to C. L. Guild Construction Co., Inc. Power hammer. 2,969,771, 1–31–61, Cl. 121—30.

Caudill, Howard F. Pile and pile driving apparatus. 2,979,912, 4–18–61, Cl. 61—53.72.

Caudle, Howard P., J. H. McGrath, and R. E. Thieser, to Eastman Kodak Co. Photographic viewing apparatus. 2,983,317, 5–9–61, Cl. 164—112.

Caudle, Howard P., J. H. McGrath, and R. E. Thieser, to Eastman Kodak Co. Device for imparting a predetermined pattern of movement to an element. 2,991,656, 7–11–61, Cl. 74—1.

Caudle, Howard P., J. H. McGrath, and R. E. Thieser, to Eastman Kodak Co. Photographic viewing apparatus. 3,008,708, 11–14–61, Cl. 271—5.

Caufield, Donald C. Surface cleaner. 2,985,905, 5–30–61, Cl. 15—353.

Caufield, Edward C. Heated asphalt roller device. 2,990,755, 7–4–61, Cl. 94—50.

Caulk, Jewell R., to National Co., Inc. Communications receiver. 3,008,043, 11–7–61, Cl. 250—20.

Caulk, L. D., Co., The: *See*—
Clancy, John J. 2,991,176.

Causse, Jean-Pierre, and A. Laliemand, to Schlumberger Well Surveying Corp. Photosurface and method of making same. 2,977,252, 3–28–61, Cl. 117—211.

Cavalier Corp.: *See*—
Rankin, Arthur L., Jr. 2,995,645.

Cavalieri, Albert L., to General Electric Co. Emergency governor exerciser. 2,998,017, 8–29–61, Cl. 137—24.

Cavalieri, Emilio. Refining machine with automatically compensated adjustment particularly for the refining of chocolate and similar substances. 2,992,866, 7–18–61, Cl. 308—59.

Cavalla, John F., to Parke, Davis & Co. Esters of substituted benzilic acids and methods for producing same. 2,980,693, 4–18–61, Cl. 260—326.3.

Cavallini, Guido, and F. Ravenna, to Maggioni & C.S.p.A. α-[(p-chlorophenyl)-α-phenyl]-4-pyridyl carbinol as a potentiating agent. 3,010,873, 11–28–61, Cl. 167—65.

Cavallito, Chester J., and A. P. Gray, to Irwin Neisler and Co. Bis-(N-heterocarbocyclic)alkanes. 2,998,422, 8–29–61, Cl. 260—283.

Cavallo, Friedrich, and H. G. M. Petzhold. Record changer for talking machines. 2,984,491, 5–16–61, Cl. 274—10.

Cavallo, William C.: *See*—
John, Robert S., Jr., and Cavallo. 2,988,271.

Cavanagh, George C., and R. S. Bean, to Ranchers Cotton Oil. Method of degumming soybean oil. 2,980,718, 4–18–61, Cl. 260—428.5.

Cavanagh, John, to Lawrence Tootill Pty. Ltd. Stacked bricks lifter. 3,002,639, 10–3–61, Cl. 214—655.

Cavanagh, Patrick E.: *See*—
Langford, George B., and Cavanagh. 3,003,842.

Cavanagh, Patrick E., and C. W. Hedberg, to Research-Cottrell, Inc. System for separating magnetic susceptible particles. 2,990,124, 6–27–61, Cl. 241—24.

Cavanagh, Walter R., to Parker Rust Proof Co. Method of rinsing metallic surfaces with solutions containing hexavalent chromium. 2,970,935, 2–7–61, Cl. 148—6.16.

Cavanagh, Walter R., and J. I. Maurer, to Parker Rust Proof Co. Cold cleaning and cold phosphate coating process. 3,007,817, 11–7–61, Cl. 148—6.15.

Cavanaugh, John W.: *See*—
Oishei, John R., Horton, Bitzer, and Cavanaugh. 2,987,747.

Cave, Eugene C. Material applying implement. 3,003,664, 10–10–61, Cl. 222—67.

Cavell, Winston W.: *See*—
Stevenson, Thomas, Cavell, and Caven. 3,013,495.

Caven, James J.: *See*—
Stevenson, Thomas, Cavell, and Caven. 3,013,495.

Cavender, James V., Jr., to Monsanto Chemical Co. Ethylene polymerization process in which the kerosene suspending medium is recovered. 2,979,495, 4–11–61, Cl. 260—94.9.

Caverhill, Alan R., R. R. Coats, and E. Isaacs, to Imperial Chemical Industries Ltd. Production of dimethyl terephthalate. 3,012,066, 12–5–61, Cl. 260—475.

Cavin, Secratus H. Gun. 2,977,951, 4–4–61, Cl. 124—15.

Cavitron Corp.: *See*—
Balamuth, Lewis, and Kuris. Re. 25,033.
Balamuth, Lewis, and Kuris. 2,990,616.

Cavlin, Gilbert: *See*—
Boyer, William M., Cavlin, and Tarbell. 3,007,828.

Cawein, Madison, and J. A. Rado, to Diamond Power Specialty Corp. Television camera. 3,005,046, 10–17–61, Cl. 178—7.2.

Cawl, Allen P.: *See*—
Beede, Arnold H., Cawl, and Lampe. 2,975,391.
Belicka, Michael E., Brundage, and Cawl. 2,998,615.
Belicka, Michael E., and Cawl. 3,011,033.

Cawley, William E.: *See*—
Frantz, Charles E., and Cawley. 2,983,042.
Frantz, Charles E., and Cawley. 2,983,989.
Frantz, Charles E., Cawley, and Warnick. 2,994,019.

Cawthra, William A., to Modern Telephones (Great Britain) Ltd. Transistor amplifiers. 3,008,092, 11–7–61, Cl. 330—79.

Cayne, Maurice S.: *See*—
Cryder, Ray E. and M. E. 3,014,724.

Cayton Chemical Corp.: *See*—
Campbell, James W. 3,007,700.

Cazauvielih, Christian A., to Societe d'Electronique et d'Automatisme. Speed data computer for aircraft flight simulators. 3,010,221, 11–28–61, Cl. 35—12.

Cazeneuve, Armando. Multiple-container. 2,971,678, 2–14–61, Cl. 222—131.

Cecil, Edward C., D. R. Stern, and G. H. Schafer, to American Potash and Chemical Corp. Manufacture of lithium perchlorate from lithium hydroxide and ammonium perchlorate. 2,998,299, 8–29–61, Cl. 23—85.

Cecil, Eugene L., Jr.: *See*—
Kabik, Irving, and Cecil. 2,972,306.

Cecil, Owen S., Jr. Coil opener and uncoiler. 3,010,672, 11–28–61, Cl. 242—78.8.

Cecil, Paul S.: *See*—
Coleman, Richard L., Cecil, and Kerpel. 2,980,998.

Ceco Steel Products Corp.: *See*—
Ochiltree, John E. 3,011,289.

Cedar Engineering, Inc.: *See*—
Leithe, Marvin I. S. 2,969,195.

Cedarholm, Oscar R. Combination injection carburetor and fuel cut-off control. 2,984,467, 5–16–61, Cl. 261—69.

Cedarquist, Jack W.: *See*—
Graswich, Edward, and Cedarquist. 2,971,452.

Cederblad, Knut A., to Aktiebolaget Bahco. Turning tools for wood turning. 3,014,509, 12–26–61, Cl. 142—56.

Cederlund, Albert: *See*—
Bergstrom, Carl P., and Cederlund. 3,002,535.

Cederlund, Karl H.: *See*—
Ostrom, Erik, and Cederlund. 2,984,730.

Cedrone, Nicholas J., to Hispeed Equipment Inc. Electrolytic cell for recovery of silver from spent photographic fixing baths. 3,003,942, 10–10–61, Cl. 204—272.

Ceeco Products Pty. Ltd.: *See*—
McCulloch, Robert G. 2,969,161.

Celanese Corp. of America: *See*—
Adkins, Eugene M., Jr. 2,990,673.
Ainsworth, Bruce S., Jr. 3,000,850.
Bradshaw, William H., James, and Shaw. 2,991,281.
Bradshaw, William H., and Shaw. 2,977,355.
Bruni, George J. 2,989,510.
Cloutier, Eugene F., and Petersen. 2,978,752.
Cooley, Stone D., and Slovinsky. 2,991,297.
Davies, Richard E., and Rosen. 3,011,994.
Dayvault, Jack A., and Fortess. 2,999,002.
Delagrange, Carl R., and Meehan. 2,973,993.
Dice, Henry K. 3,013,081.
Edwards, Walter R., and Pilner. 2,983,952.
Florence, Albert G. 2,995,477.
Horn, Harvey S. 2,988,772.
Hudgin, Donald E. 2,974,127.
Hudgin, Donald E. 2,974,128.
Hudgin, Donald E., and Berardinelli. 2,989,505–9.
Jones, Wilford D. 3,010,929.
Kavesh, Sheldon. 3,012,024.
Kray, Raymond J., and Berardinelli. 3,001,957.
Kray, Raymond J., and Defazio. 3,012,990.
Linville, Robert G., Osborne, and Smart. 2,989,499.
MacLean, Alexander F., and Hobbs. 2,978,392.
Michaud, Clarence L. 2,982,758.
Moelter, Gregory M., and Riley. 2,994,576.
Morse, Stewart W., Jr. 2,999,004.
Petersen, Svend A. 2,976,669.
Powers, Edward T. 2,976,601.
Prichard, John H. 2,970,970.
Rullson, Richard N. 3,012,847.
Salvin, Victor S., Sprague, and Fortess. 2,982,597.
Schneider, Alfred, and Plonsky. 2,991,360.
Schnizer, Arthur W. 2,989,511.
Shatynski, John J., and Wainright. 2,995,519.
Stoll, Reiner G., and Stucki. 2,990,674.
Stucki, Hans R., and Noether. 3,012,396.
Studer, Paul A. 2,992,878.
Swerdloff, Jack. 3,012,978.
Swerdloff, Jack, Larsen, and Troeleman. 2,968,857.
Weber, Harold. 2,987,764.
Weissman, Stanley N. 2,971,222.
Wenzell, Louis P., Jr., and Lovin. 2,978,785.
Wheeler, Edward N., and Richardson. 3,000,960.

Celentano, Arnold J.: *See*—
Bachelet, Albert E., Bibbins, Celentano, and Pullis. 2,981,803.
Celentano, Vincent D.: *See*—
Hagan, Lamont, and Celentano. 3,011,910.
Celeste, Carmine S. Desk or table attachment for folding chairs. 2,973,028, 2–28–61, Cl. 155—123.
Cella, John A., and R. C. Tweit, to G. D. Searle & Co. Alkanoylthio-17α-carboxyethyl-17β-hydroxyandrosten-3-one lactones. 3,013,012, 12–12–61, Cl. 260—239.57.
Cella, Joseph F., and P. Gancia, to Cella Machinery, Inc. Bottle packaging machine. 2,983,596, 5–9–61, Cl. 53—26.
Cella Machinery, Inc.: *See*—
Cella, Joseph F., and Gancia. 2,983,596.
Celler, Frederic A., to The Seeburg Corp. Vending rack assembly. 2,990,228, 6–27–61, Cl. 312—237.
Cellerini, Albert R., and L. N. Ricci, to Westinghouse Electric Corp. Fusible electric switch. 2,989,607, 6–20–61, Cl. 200—114.
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Celmar, Walter D., to Eli Lilly & Co. Therapeutic erythromycin ester compositions. 3,013,942, 12–19–61, Cl. 167—65.
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Armstrong, Ted E. 2,991,826.
Hampson, Edward A. 2,991,825.
Heinrich, Ludwig K. 3,007,240.
Loechl, Clarence J. 2,991,824.
Loechl, Clarence J. 2,996,811.
Sabine, Hale J. 2,966,954.
Sabine, Hale J. 2,990,027.
Celovsky, Michael J., to Industrial Tool Engineering Co. Fluid motor. 2,974,644, 3–14–61, Cl. 121—75.
Celovsky, Michael J., to Industrial Tool Engineering Co. Contour grinder. 3,000,147, 9–19–61, Cl. 51—100.
Celovsky, Michael J., to Industrial Tool Engineering Co. Roll forming machine. 3,006,224, 10–31–61, Cl. 80—35.
Cendrick, George T., Jr.: *See*—
Lowrey, Wallace W., Cendrick, McQuilkin, and Klopp. 2,973,042.
Cenker, Moses, and G. E. Baxter, to Wyandotte Chemicals Corp. Process for making pyrazine and alkylpyrazines. 3,005,820, 10–24–61, Cl. 260—250.
Centec Machine Tools Ltd.: *See*—
Samuel, Walter D. 2,975,657.
Centennial Mills, Inc.: *See*—
Lindley, Curtis P. 2,975,915.
Central Bag & Burlap Co.: *See*—
Tray, Paul A. 3,014,600.
Central Commercial Co.: *See*—
Bassett, Robert B., and Smith. 3,003,220.
Larssen, Per A. 2,986,476.
Central Farm Equipment Co.: *See*—
Martin, Edward. 2,974,826.
Martin, Edward. 3,009,509.
Central Farmers Fertilizer Co.: *See*—
Pircon, Ladislav J. 2,979,951.
Seymour, James E. 2,976,126.
Seymour, James E. 2,978,311.
Seymour, James E. 2,978,312.
Central Ohio Paper Co., The: *See*—
Stires, Eldon R. 3,004,699.
Central Pharmacal Co., The: *See*—
Ford, Marion D., and Novak. 2,996,496.
Central Scientific Co.: *See*—
Fritchle, Frank P., Reynolds, and Takata. 2,970,798.
Central Soya Co., Inc.: *See*—
Davis, Paul F., and Fello. 3,012,888.
Kruse, Norman F. 2,978,326.
Sincroft, Donald E., and Sipos. 2,987,527.
Sipos, Endre F., and Sincroft. 2,991,163.
Tessmer, Ernest H., Jr., and Iveson. 2,973,381.
Central Transformer Corp.: *See*—
Smith, George A. 2,968,862.
Smith, George A. 2,969,585.
Smith, George A. 2,995,720.
Smith, George A. 3,011,141.
Centre National de La Recherche Scientifique: *See*—
Bruma, Marc. 2,980,787.
Bruma, Marc, and Magat. 2,969,482.
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Fournier, Fernand, and Rimsky. 3,005,099.
Guillaud, Charles L., Pierrot, and Lescroel. 2,977,311.
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Guillaud, Charles L., Villers, and Paulus. 2,995,518.
Romand, Jacques L., and Vodar. 2,974,256.
Romand, Jacques L., and Vodar. 2,980,798.
Vodar, Boris. 2,994,847.
Vulmiere, Jacques C. and H., and Fourestier. 2,977,497.
Centre Technique Industriel dit Institut Textile de France: *See*—
Nau-Touron, Albert. 2,972,086.
Centro Richerche Metallurgiche: *See*—
Binetti, Giulio, and Mangano. 2,988,332.
Century Geophysical Corp.: *See*—
Broding, Robert A. 2,986,442.
Westervelt, John C., and Hilderbrand. 2,974,632.
Century Sportswear Co., Inc.: *See*—
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Cenzato, Lorenzo: *See*—
Bunting, William W., Jr., and Cenzato. 2,990,671.
Ceolon-Gesellschaft K. E. Merckle: *See*—
Simon, Werner. 3,001,359.
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Cepero, Gilberto R., to The Plastic Contact Lens Co. Method for finishing contact lenses. 2,990,664, 7–4–61, Cl. 51—284.
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Velonis, Anthony. 2,987,992.
Cerberus G.m.b.H.: *See*—
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Meili, Ernst. 2,971,136.
Ceresa, Myron: *See*—
Cope, Richard P., Jr., Harrover, and Ceresa. 2,972,572.
Ceretti, Frank A. and S., ½ to Gadget-Of-The-Month Club, Inc. Ground surface perforating device. 3,011,563, 12–5–61, Cl. 172—22.
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Ceretti, Frank A. and S. 3,011,563.
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Černoch, Stanislav: *See*—
Zajac, Josef, Schön, and Černoch. 2,998,267.
Cernohorsky, Jiri: *See*—
Dubský, Bořivoj, Straka, Cernohorsky, and Koblizek. 2,977,791.
Cerny, Joseph A., to United States of America, Navy. Projectile dispenser for blimps. 2,966,826, 1–3–61, Cl. 89—1.5.
Cerny, Louis L., to The Alpha Shrimp Machine Corp. Clamp for fantail shrimp deveining and deshelling apparatus. 2,974,356, 3–14–61, Cl. 17—2.
Cerny, Rudolph J.: *See*—
Colt, Rutger B., and Cerny. 3,005,215.
Cerny, Rudolph J., to United States of America, Navy. Wrist pressure gauge. 2,986,038, 5–30–61, Cl. 73—406.
Cerofolini, Gabriele F., to Automatic Electric Laboratories, Inc. Transistor tone generator and power amplifier. 2,994,833, 8–1–61, Cl. 330—18.
Cersolsun Research Corp.: *See*—
Wright, James B. 2,973,439.
Certa, Anthony J., to Philco Corp. Glass-to-metal seal. 2,988,853, 6–20–61, Cl. 49—81.
Certain-Teed Products Corp.: *See*—
Johnson, Helge C., and Robinson. 2,996,862.
Certus Maschinenbau G.m.b.H.: *See*—
Steinle, Josef. 2,966,995.
Cerulli, Nicholas F.: *See*—
Meister, George, and Cerulli. 2,988,458.
Cerulli, Nicholas F., to Westinghouse Electric Corp. Glass composition. 3,005,721, 10–24–61, Cl. 106—47.
Cerulli, Nicholas F., to Westinghouse Electric Corp. Glass composition. 3,005,722, 10–24–61, Cl. 106—54.
Cerulli, Nicholas F., to Westinghouse Electric Corp. Electroluminescent cell, method and ceramic composition. 3,010,044, 11–21–61. Cl. 313—108.
Cerutti, Giuseppe. Multiple station forging machine with work transfer means. 3,002,204, 10–3–61, Cl. 10—12.
Cervenka, Adolph J., and A. G. Thorp II, to United States of America, Army. Toroidal combustion chamber. 3,010,281, 11–28–61, Cl. 60—39.37.
Cerveny, Ladislav. Method for protecting metal parts by means of vapor-phase inhibitors of metal corrosion. 2,978,293, 4–4–61, Cl. 21—2.5.
Cervi, Armando, Jr.: *See*—
Fahnoe, Frederick, and Cervi. 3,008,987.
Cervinka, Anthony, to Bata Shoe Co. of Canada Ltd. Automatic filling device for travelling moulds. 2,999,517, 9–12–61, Cl. 141—137.
Cescas, Jean-Baptiste, to Compagnie nord-Africaine de L'Hyperphosphate Reno. Preparation of coated seeds. 2,999,336, 9–12–61, Cl. 47—58.
Cessna Aircraft Co.: *See*—
Krehbiel, Robert D. 2,980,136.
Cetran, Louis, A. D'Onofrio, and L. J. Lapointe, to Royal McBee Corp. Type action. 3,001,625, 9–26–61, Cl. 197—17.
Cêtre, Jeanne M. L.: *See*—
Cêtre, Pierre. 2,984,184.
Cêtre, Pierre, deceased; J. M. L. Cêtre, administratrix. Fuse for gyrating and non-gyrating projectiles. 2,984,184, 5–16–61, Cl. 102—74.
Chabala, Leonard V.: *See*—
Mikos, John J., and Chabala. 2,989,603.
Chabala, Leonard V., to Westinghouse Electric Corp. Automatic line sectionalizer. 2,972,709, 2–21–61, Cl. 317—29.
Chabala, Leonard V., and L. C. Jelinek, to S & C Electric Co. Circuit interrupter construction. 3,015,008, 12–26–61, Cl. 200—120.
Chabotte, Alfred M., to Plastene Corp. Molding apparatus. 2,984,862, 5–23–61, Cl. 18—2.
Chace, Howard E., R. E. Haynes, C. B. Derr, and B. P. Gagon. Devices for severing plastic material. 2,987,598, 6–6–61, Cl. 219—19.
Chace, Richard A., to Western Hydraulic & Service Co., Inc. Anti-rotation means for toggle locks. 2,967,513, 1–10–61, Cl. 121—40.

Chace, Richard A., to Western Hydraulic & Service Co., Inc. Midstroke locking devices. 2,974,638, 3–14–61, Cl. 121—40.

Chace, Richard A., to Clemco Aero Products, Inc. Segmental type toggle lock. 2,997,985, 8–29–61, Cl. 121—40.

Chadbourn Gotham, Inc.: *See*—
Kelley, Henry L. 2,994,561.
Matthews, Robert M., and Clark. 3,005,430.
Wood, David A., Jr., Pease, Matthews, and Smith. 2,994,214.

Chadburn, Robert A., to Borg-Warner Corp. Plate-type heat-exchangers. 2,981,520, 4–25–61, Cl. 257—256.

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Chadenson, Pierre, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Gas analyzer apparatus. 3,007,333, 11–7–61, Cl. 73—27.

Chadurjian, Frank, to International Business Machines Corp. Comparator. 2,973,508, 2–28–61, Cl. 340—174.

Chadwich, Alexander, to Chrysler Corp. Fuel control mechanism with ambient temperature and pressure compensation. 2,992,530, 7–18–61, Cl. 60—39.28.

Chadwick, Alfred C., to Permalastic Products Co. Process of making reinforced flexible plastic tubing, 3,007,809, 11–7–61, Cl. 117—72.

Chadwick, Arthur L., to Chadwick Enterprises. Lifting and transporting apparatus. 3,010,592, 11–28–61, Cl. 214—390.

Chadwick Enterprises: *See*—
Chadwick, Arthur L. 3,010,592.

Chadwick, Joseph H., Jr.: *See*—
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Brand, Frederick B., Chadwick, and Bentkowsky. 3,003,450.

Chafer, Charles L., to J. W. Chafer Ltd. Machine for spraying powdered materials. 2,976,643, 3–28–61, Cl. 43—148.

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Chafer, Charles L. 2,976,643.

Chafetz, Harry, to Texaco, Inc. Dibasic acid treating process. 3,014,070, 12–19–61, Cl. 260—537.

Chafetz, Harry, and J. A. Patterson, to Texaco Inc. Dibasic acid manufacture. 2,978,473, 4–4–61, Cl. 260—452.

Chaffee, Arthur W. Combination tape dispenser and removable label moistener. 2,989,025, 6–20–61, Cl. 118—43.

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Hammond, John H., Jr., and Chaffee. 3,001,192.

Chaffey, Stephen J. Expansible honing tool head. 2,988,859, 6–20–61, Cl. 51—184.1.

Chaffin, Frank R., to W. S. Shamban & Co. Process for reinforcing polytetrafluoroethylene resin. 2,971,908, 2–14–61, Cl. 252—12.

Chafin, Emery R. Automatic tape measure reel. 2,997,251, 8–22–61, Cl. 242—107.6.

Chafin, James M.: *See*—
Wright, John G., and Chafin. 2,996,719.
Wright, John G., Chafin, and Wynn. 3,011,376.

Chafin, James M., to The Auto-Solar Co. Work positioning guide. 2,986,737, 6–6–61, Cl. 1—19.

Chaft, Marc E. Adjustable typewriter support for desks or the like. 3,003,838, 10–10–61, Cl. 312—28.

Chaimson, Robert K.: *See*—
Brossman, Martin W., and Chaimson. 2,966,796.

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Buchanan, William J., Jr. 2,975,646.
Carrier, Robert M., Jr. 2,985,281.
Carrier, Robert M., Jr. 3,011,355.
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Cunningham, Dennis M. 2,981,608.
Hodlewsky, Wasyly G. 2,983,158.
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Morris, John M. 2,970,693.
Morris, John M. 2,970,781.
Musschoot, Albert. 2,984,339.
Pampel, Fred A., and Kelsall. 2,988,202.
Poheim, Walter. 2,978,105.
Steindorf, Robert T. 2,980,934.

Chait Herman N., to United States of America, Navy. Reflection circulator. 2,987,654, 4–4–61, Cl. 333—9.

Chakine, Alexander. Inflatable article with one-piece valve body. 2,977,973, 4–4–61, Cl. 137—223.

Chakroff, Richard O. Coupling devices. 3,002,771, 10–3–61, Cl. 285—165.

Chalich, Charles, to Taylor Mfg. Co., Inc. Apparatus for transferring articles. 2,999,604, 9–12–61, Cl. 214—1.

Chalfin, Norman L. Phonograph pickup arm. 2,977,126, 3–28–61, Cl. 274—23.

Chalfin, Norman L. Two way telephone handset amplifying system. 2,987,575, 6–6–61, Cl. 179—1.

Chalhoub, Christian, to Compagnie Industrielle des Telephones. Adjustable attenuation correcting networks. 2,991,433, 7–4–61, Cl. 333—28.

Chalkley, Lyman. Photographic process. 2,981,622, 4–25–61, Cl. 96—48.

Chall, Harold J., and C. S. Balaz, to Friden, Inc. Escapement control mechanism for ten-key calculating machine. 3,003,685, 10–10–61, Cl. 235—60.

Challender, Ronald S.: *See*—
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Challender, Ronald S., and H. C. Knights, to United Kingdom Atomic Energy Authority. Apparatus for handling nuclear reactor fuel elements. 2,978,790, 4–11–61, Cl. 29—33.

Challenge-Cook Bros., Inc.: *See*—
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Chalmers, Alexander A., to Brixite Mfg. Co., Inc. Overlap shake siding. 2,990,651, 7–4–61, Cl. 50—240.

Chalmers, David A., to Electric & Musical Industries Ltd. Apparatus for driving webs. 2,984,398, 5–16–61, Cl. 226—95.

Chalmers, Frank L.: *See*—
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Chalmers, John W., to Molins Machine Co. Ltd. Method of packing cigarettes. 2,994,167, 8–1–61, Cl. 53—34.

Chalmers, John W., and D. R. P. Jackson, to Molins Machine Co. Ltd. Wrapping for cigarettes. 2,984,384, 5–16–61, Cl. 221—31.

Chalmers, John W., C. T. Hall, and W. A. Roffey, to Molins Machine Co. Ltd. Apparatus for folding flexible wrappers about rectangular block-shaped articles. 2,999,345, 9–12–61, Cl. 53—230.

Cham, Edward J., and W. A. Derr, to Westinghouse Electric Corp. Automatic control of current division of paralleled rectifiers. 3,014,171, 12–19–61, Cl. 321—19.

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Etten, Nicholas L. 2,971,363.

Chamberlain, John: *See*—
Helfrich, William E., Chamberlain, and Brown. 3,002,352.

Chamberlain, John E.: *See*—
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Chamberlain, John J., to The English Electric Co. Ltd. Two-part electrical connectors. 2,998,588, 8–29–61, Cl. 339—75.

Chamberlain, Merle D.: *See*—
Beaumont, James, and Chamberlain. 2,988,477.

Chamberlain, Ralph J.: *See*—
Sheers, Edward H., and Chamberlain. 2,980,715.
Sheers, Edward H., and Chamberlain. 2,986,584.

Chamberlain, Ralph J., to American Cyanamid Co. Guanidine soaps as dry cleaning detergents. 2,978,415, 4–4–61, Cl. 252—118.

Chamberlin, Coleman R. Label holders for binding backs of books. 2,977,698, 4–4–61, Cl. 40—16.

Chamberlin, Earl M.: *See*—
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Chamberlin, Earl M., to Merck & Co., Inc. Allopregnane-3β,17α-diol-11,20-dione and the preparation thereof. 2,980,712, 4–18–61, Cl. 260—397.45.

Chamberlin, Earl M., J. M. Chemerda, J. Ten Broeke, and E. W. Tristram, to Merck & Co. Inc. 16α-methylpregnane derivatives and processes for preparing the same. 2,982,776, 5–2–61, Cl. 260—397.45.

Chamberlin, Francis E., to California Research Corp. Drill pipe lubricant containing graphite. 3,007,866, 11–7–61, Cl. 252—22.

Chamberlin, Reginald H. D.: *See*—
Belcher, Bryan L., Blyth, Buckingham, Davies, Chamberlin, Fletcher, Morris, Mansfield, and Upton. 2,982,093.

Chamberlin, Reginald H. D., R. E. Morris, A. L. Davies, and A. L. R. Fletcher, to D. Napier & Son Ltd. Rocket-turbo engine convertible to a ramjet engine. 2,979,892, 4–18–61, Cl. 60—35.6.

Chamberlin, Reginald H. D., and J. Skellern, to D. Napier & Son Ltd. Apparatus for metering the fuel supplied to a prime mover. 3,011,560, 12–5–61, Cl. 170—135.74.

Chamberlin, Rhodes R., to The National Cash Register Co. Electroluminescent indicators. 3,008,065, 11–7–61, Cl. 313—108.

Chamberlin, Theodore H.: *See*—
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Chamberlin, Walter S., to Burroughs Corp. Code converting electrical network. 2,972,135, 2–14–61, Cl. 340—347.

Chambers, Burl D., to Dempster Brothers, Inc. Transporting and dumping equipment. 2,978,126, 4–4–61, Cl. 214—317.

Chambers, Frank H., and G. B. Moats, to Technical Rubber Co., Inc. Multi-ply tire repair unit. 3,004,580, 10–17–61, Cl. 152—367.

Chambers, George H. Gear pump seal. 3,008,425, 11–14–61, Cl. 103—126.

Chambers, George R., to Northern Electric Co. Vaporizer. 3,008,031, 11–7–61, Cl. 219—40.

Chambers, Glenn M. Container attachment for pop bottles. 2,975,925, 3–21–61, Cl. 215—100.

Chambers, Herbert I., and A. W. Fischer, to Consolidated Electrodynamics Corp. High speed chopper. 2,974,207, 3–7–61, 200—90.

Chambers, John K., to The Seamless Rubber Co. Package for adhesive bandages and other articles. 2,969,872, 1–31–61, Cl. 206—63.2.

Chambers, Ralph F., to Gladwin Plastics, Inc. Telephone enclosure. 2,982,593, 5–2–61, Cl. 312—223.

Chambers, Robert R.: *See*—
Friedman, Bernard S., Morritz, Keith, Chambers, and Gring. 2,992,189.
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Chambers, Victor S.: *See*—
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Howland, Louis H., and Chambers. 3,014,040.

Chambers, Victor S., and L. H. Howland, to United States Rubber Co. Method of making a synthetic rubber latex employing ethyl hydroxyethylcellulose. 3,004,938, 10–17–61, Cl. 260—17.

Chambers, Warren D.: *See*—
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Chambers, William J., and D. D. Coffman, to E. I. du Pont de Nemours and Co. Certain 2,5-bis(fluoroalkyl) 1,3,4-oxadiazoles and thiadiazoles. 2,992,226, 7–11–61, Cl. 260—302.
Chambers, William L. Photographic developing table. 2,976,792, 3–28–61, Cl. 95—99.
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Chamness, Haroid A. Method for soldering aluminum. 2,995,814, 8–15–61, Cl. 29—492.
Chamot, Walter M., to Nalco Chemical Co. Color stabilization of petroleum oils and compositions therefor. 2,984,550, 5–16–61, Cl. 44—62.
Chamot, Walter M., to Nalco Chemical Co. Cracked gasoline containing condensation polymers as antioxidants. 2,985,523, 5–23–61, Cl. 44—73.
Champion, Carl E., to The Bendix Corp. Analog to digital conversion system. 2,978,693, 4–4–61, Cl. 340—347.
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Manning,Howard H. 2,990,735.
Champion, James E.: *See*—
Powell, Robert J., and Champion. 2,983,491.
Powell, Robert J., and Champion. 2,991,055.
Powell, Robert J., and Champion. 2,995,125.
Champion Laboratories, Inc.: *See*—
Boewe, Howard L., and Gaither. 2,995,249.
Boewe, Howard L., and Gaither. 2,995,250.
Champion Mfg. Co.: *See*—
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Hain, Paul, and Kuebel. 3,000,631.
Olnick, Jay E. 2,987,424.
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Chan, Edmund. Sign construction. 3,003,268, 10–10–61, Cl. 40—33.
Chan, Kingsley, to Lightolier, Inc. Ceiling lighting fixture. 2,998,511, 8–29–61, Cl. 240—78.
Chan, Richard, to Burroughs Corp. Laminated printed circuit board. 2,990,310, 6–27–61, Cl. 154—94.
Chanaryn, Victor, and D. N. Walker, to Wilmot-Breeden Ltd. Releasable fastening devices. 3,002,369, 10–3–61, Cl. 70—149.
Chanaryn, Victor, and K. P. Pugh, to Wilmot-Breeden Ltd. Releasable fastening devices. 3,002,778, 10–3–61, Cl. 292—221.
Chance, A. B., Co.: *See*—
Bridges, Ronald P. 2,970,192.
Bridges, Ronald P. 2,970,555.
Fink, Miller H. 2,997,529.
Hollander, William L. 2,998,477.
Nix, Charles H. 2,998,476.
Wantz, Harley R., Jr. 3,001,000.
Weitkemper, Harry R., and Coyle. 3,009,720.
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Boyce, William C., Luton, and Wood. 3,011,739.
Briggs, William B. 2,967,678.
Butler, George V. 2,975,676.
Cartwright, Edwin O., Jr., Edwards, and Held. 2,981,317.
Clanton, James D., Jr., Flath, and Keiffer. 2,980,909.
Clark, John R. 2,999,657.
Cocharo, Grayson. 2,995,318.
Faith, Winston O., Prier, and Wasserman. 2,984,435.
Freemon, Eugene G. 2,986,926.
Graham, Harry M., and Murty. 2,968,149.
Hart, Harold A. 3,004,103.
Hoefs, Edwin G., and Litton. 2,992,417.
Lane, Frank L., and Roberts. 2,981,087.
Lay, Norman R. 2,991,328.
Moore, Samuel B. 2,997,875.
Townsend, Samuel J. 2,986,878.
Chancellor, Forrest E. and R. O. Deep well pumping system. 2,975,721, 3–21–61, Cl. 103—179.
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Chancellor, Forrest E. and R. O. 2,975,721.
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Chandler, Amos N., ½0 to Gadget-of-the-Month Club., Inc. Coin operated key deposit box. 2,997,151, 8–22–61, Cl. 194—51.
Chandler, Charles H., to United States of America, Army. Focussing and deflection of centimeter waves. 3,005,983, 10–24–61, Cl. 343—753.
Chandler, Clark. Power tools. 3,003,237, 10–10–61, Cl. 30—277.
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Chandler, Milton E., and Wright. 2,972,229.
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Huckins, John W. 3,005,464.
Sherwood, Walter A. 2,999,993.
Chandler, George L., Jr. Can opening arrangement. 2,989,210, 6–20–61, Cl. 220—54.
Chandler, Grover C., to American Can Co. Apparatus for closing a carton. 2,987,973, 6–13–61, Cl. 93—52.
Chandler, Milton E., and A. M. Wright, to Chandler-Evans Corp. Jet engine fuel control. 2,972,229, 2–21–61, Cl. 60—39.28.
Chandler, Wilbur O., and J. A. Roberts. Drain cock tool. 2,987,080, 6–6–61, Cl. 137—798.
Chaney, John L. Method and apparatus for cleaning thermometers. 2,967,120, 1–3–61, Cl. 134—22.
Chaney, John L. Thermometer tube forming apparatus. 2,990,648, 7–4–61, Cl. 49—7.
Chang, Edward: *See*—
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Chang, Melvin C., and J. Dasher, to Crucible Steel Co. of America. Coal treating process. 2,970,689, 2–7–61, Cl. 209—12.
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Chang, Winston H., to General Electric Co. High strength, low alloy steels. 2,978,319, 4–4–61, Cl. 75—128.
Chankin, Dannis D. Garment hangers with trouser-clamping means. 2,984,394, 5–16–61, Cl. 223—91.
Chanko, Mortimer L. Holder means for spectacles. 2,968,076, 1–17–61, Cl. 24—3.
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Channell, William H. and J. W. 2,996,567.
Channell, William H. and J. W. Cable splice enclosure. 2,996,567, 8–15–61, Cl. 174—92.
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Chapellier, Robert A., to Combustion Engineering, Inc. Automatic coupling. 3,002,774, 10–3–61, Cl. 287—103.
Chapellier, Robert A., and I. Rogers, to United States of America, Atomic Energy Commission. Control rod drive. 2,990,356, 6–27–61, Cl. 204—193.2.
Chapeville, François, and P. Fromageot, to Commissariat a l'Energie Atomique. Biochemical process for the preparation of 1-cysteine, 1-cystine, and 1-cysteic acid, marked by sulphur and by α-hydrogen. 2,996,434, 8–15–61, Cl. 195—68.
Chapin, Almon J., to Johnson Furnace Co. Joint lock for sheet metal parts. 2,968,376, 1–17–61, Cl. 189—36.
Chapin, Daryl M., to Bell Telephone Laboratories, Inc. Torpedo control circuit. 2,991,741, 7–11–61, Cl. 114—23.
Chapin, Earl C.: *See*—
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Chapin, Edward A., to General Motors Corp. Piston and piston cooling means. 2,991,769, 7–11–61, Cl. 123—41.35.
Chapin, Edward J., to United States of America, Navy. Process for purifying titanium. 2,977,219, 3–28–61, Cl. 75—84.
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Lazar, Melvin E., Smith, and Chapin. 2,979,412.
Chapin Electronics Corp.: *See*—
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Chapin, Henry M.: *See*—
Avery, Howard S., and Chapin. 3,010,823.
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Chapin, Robert S., to E. I. du Pont de Nemours and Co. Process for fulling textile fabrics. 3,006,055, 10–31–61, Cl. 26—19.
Chapin, Reynold S., to Chapin Electronics Corp. Object detectors. Re. 25,100, 12–19–61, Cl. 340—258.
Chapin, William S., and T. M. Lapinski, to Manning, Maxwell & Moore, Inc. Crane bridge. 2,997,966, 8–29–61, Cl. 105—163.
Chapin, William S., Jr., and E. H. Steins, to Manning, Maxwell & Moore Inc. Overhead crane frame or bridge. 2,997,005, 8–22–61, Cl. 105—163.
Chaplin, Arthur, to Nealco Corp. Jacket for phonograph records. 3,005,544, 10–24–61, Cl. 206—62.
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Chaplin, Harvey R., Jr. Jet diffuser for shrouded propellers. 2,998,700, 9–5–61, Cl. 60—35.5.

Chaplin, Merle P., to Diamond National Corp. Pulp molding machine. 2,995,188, 8–8–61, Cl. 162—392.

Chaplin, Merle P., to Diamond National Corp. Reshaping dies for freshly molded pulp articles. 2,996,118, 8–15–61, Cl. 162—396.

Chapman, Arthur B. Measuring dispenser devices for discrete, solid particle substances. 2,987,224, 6–6–61, Cl. 222—365.

Chapman, Aubrey I., Jr., to Texas Instruments Inc. Electromechanical integration. 2,994,479, 8–1–61, Cl. 235—183.

Chapman, Aurelius F., to E. I. du Pont de Nemours and Co. Delustering of film. 2,968,538, 1–17–61, Cl. 41—41.

Chapman, Bernard. Water distillation plant designed for automatic continuous operation. 2,971,897, 2–14–61, Cl. 202—174.

Chapman, Carl B., to Monsanto Chemical Co. Preparation and hydrogenation of Schiff's bases. 3,014,967, 12–26–61, Cl. 260—576.

Chapman, Charles E.: *See*—
Ballou, Sidney R., and Chapman. 3,013,896.

Chapman Chemical Co.: *See*—
Ring, Robert G. 2,992,627.
Ring, Robert G. 3,005,473.

Chapman, Darrel A.: *See*—
Le Warre, Robert W., and Chapman. 2,996,133.

Chapman, Darrel M. Ignition system and spark plug. 2,972,077, 2–14–61, Cl. 313—123.

Chapman, David Z.: *See*—
Price, Duane W., and Chapman. 2,990,747.
Price, Duane W., and Chapman. 3,011,239.

Chapman, David Z., and G. B. Sellers, to Aerpat A.G. Stressed panel fastener. 2,984,884, 5–23–61, Cl. 24—211.

Chapman, Donald F., to Thorn Electrical Industries Ltd. Gaseous discharge lamp circuit. 2,987,650, 6–6–61, Cl. 315—98.

Chapman, Eugene S. Wall mounted friction cap remover. 3,001,425, 9–26–61, Cl. 81—3.3.

Chapman, Everett, to Nordberg Mfg. Co. Method of backing crusher parts. 2,970,775, 2–7–61, Cl. 241—30.

Chapman, Fendal K., to Allied Companies, Inc. Land surface shaper. 3,002,301, 10–3–61, Cl. 37—155.

Chapman, Gale C.: *See*—
Barton, Wesley B., Chapman, Ferry, Joehlin, Kleist, and Tyler. 2,996,184.

Chapman, George R. Silage handling machine. 2,978,121, 4–4–61, Cl. 214—17.

Chapman, George R. Silo unloaders. 3,002,790, 10–3–61, Cl. 302—37.

Chapman, George W. A.: *See*—
Mathew, Leonard S., and Chapman. 3,007,590.

Chapman, Harvey W., to Evans Products Co. Cross bar. 2,982,230, 5–2–61, Cl. 105—369.

Chapman, Harvey W., to Evans Products Co. Automobile shipping device. 3,003,435, 10–10–61, Cl. 105—368.

Chapman, Harvey W., and H. L. Dunlap; to Evans Products Co. Freight loading apparatus. 2,969,023, 1–24–61, Cl. 105—368.

Chapman, Helen R.: *See*—
Budd, Richard T., and Chapman. 2,982,655.

Chapman, James R., Jr., and J. O. Byers, Jr., to The Bendix Corp. Priority valve construction. 2,977,982, 4–4–61, Cl. 137—612.1.

Chapman, John H., A. C. T. Hickman, J. D. E. Nelson, and W. Wolff, to Glaxo Laboratories Ltd. Recovery of sapogenins. 3,010,955, 11–82–61, Cl. 260—239.55.

Chapman, Loyal H. Lineal yardage meter attachment for golf clubs. 2,986,937, 6–6–61, Cl. 73—379.

Chapman, Loyal H. Artificial fishing lure. 3,006,102, 10–31–61, Cl. 43—42.

Chapman Machine Co., Inc.: *See*—
Mancusi, Joseph J., Jr. 3,008,611.

Chapman, Paul R.: *See*—
Fronczak, Ernest T., Chapman, and Brennan. 2,976,160.

Chapman, Ralph. Method of forming a board product. 2,992,152, 7–11–61, Cl. 154—100.

Chapman, Ralph, to Wood Processes (Oregon) Ltd. Process of making board products. 3,011,938, 12–5–61, Cl. 162—124.

Chapman, Richard D.: *See*—
Campbell, Charles R., Chapman, and Johnson. 2,987,452.

Chapman, Richard L., and G. E. Peffer. Refuse can and cover securing device. 2,985,416, 5–23–61, Cl. 248—154.

Chapman, Roland W.: *See*—
Dille, Roger M., Chapman, and Ahlborn. 2,999,741.

Chapman, Romaine C., to Scovill Mfg. Co. Hand attaching tool. 2,997,715, 8–29–61, Cl. 1—317.

Chapman, Ronald W.: *See*—
Dille, Roger M., and Chapman. 2,980,522.
Dille, Roger M., Chapman, and Ahlborn. 2,980,523.

Chapman, Ronald W., J. C. Ahlborn, and R. M. Dille, to Texaco, Inc. Production of carbon monoxide and hydrogen. 2,987,386, 6–6–61, Cl. 48—196.

Chapman, Samuel L., Sr. Syringe releasing device. 2,981,270, 4–25–61, Cl. 134—169.

Chapman Valve Mfg. Co., The: *See*—
Le Clair, Donald E. 2,984,449.
Le Clair, Donald E., and Reinert. 2,984,074.
Rieffer, Roger G. 3,008,491.

Chapman, Weldin G., and C. C. Graves, to Phillips Petroleum Co. Method of stripping unreacted monomer using silicone coated apparatus. 2,978,387, 4–4–61, Cl. 202—46.

Chapman, Wilbur F.: *See*—
Smith, Burton F. B., and Chapman. 3,007,812.

Chapman, William C. Vehicle body step plate and rocker panel assembly. 2,997,329, 8–22–61, Cl. 296—1.

Chapman, William R.: *See*—
Luedicke, Alex H., Jr., and Chapman. 2,998,837.

Chappell, Frank L. Apparatus for purifying water circulating systems. 3,010,886, 11–28–61, Cl. 204—149.

Chappell, William A.: *See*—
Scott, Robert J., Chappell, Grant, and Landry. 2,995,817.

Chappelow, Cecil C., and F. V. Morriss, to Midwest Research Institute. Tetra-substituted ureas. 2,993,930, 7–25–61, Cl. 260—553.

Chappelow, Cecil C., Jr., and R. L. Hughes, to Callery Chemical Co. Preparation of diborane. 2,970,894, 2–7–61, Cl. 23—204.

Chappelow, Cecil C., Jr., and J. T. Goodwin, Jr., to Ethyl Corp. Tert.-alkyl alkoxy silanes and preparation thereof. 2,985,678, 5–23–61, Cl. 260—448.8.

Chappet, Louis: *See*—
Brunet, Louis, and Chappet. 2,987,872.

Chappey, Marc A. Structures for a field-effect transistor. 3,001,111, 9–19–61, Cl. 317—235.

Chappey, Marc A., and J. H. Lantieri. Two-terminal semiconductor devices having negative differential resistance. 2,971,140, 2–7–61, Cl. 317—235.

Chapralis, James C., to Wall-Able Tool & Die Corp. Fish landing net. 2,984,038, 5–16–61, Cl. 43—12.

Chapuis, René L., to H. & F. Binch, Inc. Selective positioning system. 3,006,170, 10–31–61, Cl. 66—86.

Charasse, Auguste F. Safety-valve, with a locking jack, operated by a detecting checking device. 2,998,020, 8–29–61, Cl. 137—102.

Charbonnages de France: *See*—
Foch, Pierre. 3,011,953.

Charbonneau, Allan P., and E. F. Duncan, to Cutler-Hammer, Inc. Solderless lug type terminal connector. 2,976,515, 3–21–61, Cl. 339—272.

Charbonneaux, Wilson A.: *See*—
Burk, Lawrence R., and Charbonneaux. 3,001,668.

Charbonnier, James W.: *See*—
Cook, John M., Charbonnier, and Staunton. 2,984,161.

Charbonnier, Roger, to Rochar Electronique. Apparatus for measuring the frequency of a cyclic phenomenon. 3,003,107, 10–3–61, Cl. 324—70.

Charbonnier, Roger, and S. Estrabaud, to Rochar Electronique. Supersonic pressure gauge. 3,008,332, 11–14–61, Cl. 73—398.

Charchan, Samuel: *See*—
Charchan, William and S. 3,015,024.

Charchan, William and S. Illuminated flower pot holder. 3,015,024, 12–26–61, Cl. 240—2.

Chard, Clifford R. Anchor. 2,990,800, 7–4–61, Cl. 114—208.

Chard, Clifford R. Radial type two-stroke cycle internal combustion engine with crankcase compression means. 3,003,485, 10–10–61, Cl. 123—55.

Chare, Jean: *See*—
Tiraspolsky, Wladimir, Rouviere, and Chare. 2,983,481.

Charewicz, Francis J., and S. R. Smith, Jr., to General Electric Co. Load break device. 3,005,891, 10–24–61, Cl. 200—114.

Charlat, Arnold S., to Brown & Sharpe Mfg. Co. Power-transmitting device for machine tools. 2,991,666, 7–11–61, Cl. 77—25.

Charlat, Arnold S., to Brown & Sharpe Mfg. Co. Control device for use in metal working machines. 2,992,571, 7–18–61, Cl. 77—32.5.

Charlat, Arnold S., to Brown & Sharpe Mfg. Co. Tool spindle drive means for sequentially effecting rapid approach, work feed and rapid withdrawal. 3,003,165, 10–10–61, Cl. 10—128.

Charle, Roger, G. Kalopissis, and G. Ghilardi, to Societe Anonyme dite: Societe Monsavon l'Oreal. Dyeing of hair and other keratinous materials. 2,975,101, 3–14–61, Cl. 167—88.

Charle, Roger, and G. Kalopissis, to Societe Anonyme dite: Societe Monsavon-L'Oreal. Deformation of keratinous fibres with sulfite-borohydride composition. 2,983,569, 5–9–61, Cl. 8—127.5.

Charles, Daniel, and O. Dohler, to Compagnie Generale de Telegraphie Sans Fil. Ultra-high frequency oscillator tubes. 2,972,700, 2–21–61, Cl. 315—3.6.

Charles, Glen W., and A. R. Lesar, to A. P. Green Fire Brick Co. Lightweight refractory castable and method of manufacture. 3,010,835, 11–28–61, Cl. 106—40.

Charles, Randolph E., to Thompson Ramo Wooldridge Inc. Broad band lobing switch. 2,997,669, 8–22–61, Cl. 333—7.

Charley, Walter G., and R. S. Reaves, to Allis-Chalmers Mfg. Co. Tractor hitch. 2,971,776, 2–14–61, Cl. 280—450.

Charlotte Tank Corp.: *See*—
Thomas, Glyn A. 3,014,121.

Charlson, Lynn L., to Germane Corp. Controller for fluid pressure operated devices. 2,984,215, 5–16–61, Cl. 121—41.

Charlson, Lynn L., to Germane Corp. Rotary fluid pressure device. 2,989,951, 6–27–61, Cl. 121—70.

Charlton, Alexander E., to Photoceramics, Inc. Translucent objects decorated with designs or images. 2,980,533, 4–18–61, Cl. 96—34.

Charlton, Francis R., F. D. Trischler, and S. N. Buco, to Koppers Co., Inc. Coatings of the polyurethane type. 3,010,940, 11–28–61, Cl. 260—47.
Charlton, Norman K., to Hudson Pulp & Paper Corp. Valve sleeve for bags. 3,000,550, 9–19–61, Cl. 229—62.5.
Charmont Beauty Products Co.: *See*—
Catania, Salvatore J., and Ferrazzo. 3,012,563.
Charney, Jesse, A. A. Tytell, and W. P. M. Fisher, to Merck & Co., Inc. Eulicin and process for production II. 2,998,438, 8–29–61, Cl. 260—404.5.
Charney, William, H. L. Herzog, and D. Sutter, to Schering Corp. 15 β-hydroxy adreno corticoids. 3,014,051, 12–19–61, Cl. 260—397.45.
Charnicki, Walter F., and R. E. King, to Merck & Co., Inc. Parenteral solutions of steroid phosphates stabilized with creatinines. 2,970,944, 2–7–61, Cl. 167—77.
Charos, Peter. Roller mixer freezer. 2,987,301, 6–6–61, Cl. 257—32.
Charos, Peter. Mixers. 2,990,978, 7–4–61, Cl. 222—235.
Charp, Solomon, to Nalco Chemical Co. Method and apparatus for increasing the coefficient of friction between metal surfaces. 2,995,393, 8–8–61, Cl. 291—11.
Charpentie, Yvan: *See*—
Preud'Homme, Jean, and Charpentie. 2,978,380.
Preud'Homme, Jean, and Charpentie. 3,011,947.
Charpentier, Jean F. G. M. L. Wholly mechanical, automatic, continuous, and substantially frictionless converters of rotational motion. 3,013,446, 12–19–61, Cl. 74—752.
Charpentier, Maurice: *See*—
Levecque, Marcel, and Charpentier. 2,981,974.
Levecque, Marcel, and Charpentier. 2,991,507.
Charpigny, Marcel. Lift for automobiles. 3,002,588, 10–3–61, Cl. 187—8.59.
Charrin, Paul, and H. C. Waters, to PGAC Development Co. Apparatus for obtaining indications of permeable formations traversed by boreholes. 3,014,174, 12–19–61, Cl. 324—1.
Chartier, Edmund G., and C. H. Wickenberg, to Sunbeam Corp. Alarm clock delay control. 2,996,874, 8–22–61, Cl. 58—21.12.
Chartier, Edmund G., and C. H. Wickenberg, to Sunbeam Corp. Electric clock. 3,004,179, 10–10–61, Cl. 310—83.
Chartmakers, Inc., The: *See*—
Linker, Edward A., and Le Peer. 2,967,608.
Charuba, Jan A.: *See*—
McLaughlin, George H., Stevens, and Charuba. 3,014,176.
Charvat, Fedia R., to Union Carbide Corp. Electrical resistor composition. 2,998,394, 8–29–61, Cl. 252—518.
Charvat, Vernon K., to The Osborn Mfg. Co. Rotary brush with special bristle support means. 2,989,767, 6–27–61, Cl. 15—198.
Charvat, Vernon K., to The Osborn Mfg. Co. Brushing machine. 2,994,895, 8–8–61, Cl. 15—21.
Chase, Albert J., W. Kalin, and P. L. Wise, to Bell Telephone Laboratories, Inc. Signaling system. 2,968,032, 1–10–61, Cl. 340—393.
Chase Bag Co.: *See*—
Baize, Norman G. 2,993,455.
White, Russell J. 2,969,101.
Chase Bottle & Supply Corp.: *See*—
Weiner, Benjamin F. 3,009,217.
Chase, Corson W., and F. J. Doyle, to Miehle-Goss-Dexter, Inc. Inking arrangement for rotary printing press. 2,986,088, 5–30–61, Cl. 101—350.
Chase, Corson W., and A. V. Pedersen, to Miehl-Goss-Dexter, Inc. Predrive and transition tension system for web splicing apparatus. 2,997,248, 8–22–61, Cl. 242—58.3.
Chase, David R., to General Electric Co. Temperature sensing device. 3,008,331, 11–14–61, Cl. 73—339.
Chase, Hal M., to Vacu-Dry Co. Folded container. 3,003,678, 10–10–61, Cl. 229—39.
Chase, Hamilton C., to J. A. Monax. Quickly adjustable vise having a nonrotatable spindle axially advanced by a split-nut mechanism. 2,967,445, 1–10–61, Cl. 81—36.
Chase, Henry H., to General Electric Co. Plug-in power busway. 2,999,219, 9–5–61, Cl. 339—22.
Chase Manhattan Bank, The: *See*—
Martin, Harry. 2,997,444.
Chase-Shawmut Co., The: *See*—
Hallas, Harry H. 3,005,741.
Kozacka, Frederick J. 2,982,835.
Kozacka, Frederick J. 2,988,620.
Kozacka, Frederick J. 3,007,019.
Kozacka, Frederick J. 3,007,020.
Salzer, Erwin. 2,979,644.
Salzer, Erwin. 3,005,945.
Swain, Kenneth W., and Hallas. 3,010,000.
Chase, Thomas W., to Minneapolis-Honeywell Regulator Co. Automatic pilot. 3,003,720, 10–10–61, Cl. 244—77.
Chase, Thomas W., and J. C. Larson, to Minneapolis-Honeywell Regulator Co. Control apparatus for dirigible craft. 2,967,031, 1–3–61, Cl. 244—77.
Chase, Vernon L.: *See*—
Kumins, Charles A., Fine, and Chase. 2,971,458.
Chase, Wallace P.: *See*—
Ator, Joe T., Chase, Dreyfus, Harrah, and Harris. 2,987,182.
Chasek, Norman E., to Bell Telephone Laboratories, Inc. Frequency modulation reception circuits. 2,984,791, 5–16–61, Cl. 329—141.
Chasolen, Edward T. Expandable container. 2,998,181, 8–29–61, Cl. 229—52.
Chatani, Kunju. Photographic camera. 2,975,689, 3–21–61, Cl. 95—31.
Chatani, Kunju, to F. C. Seisakusho Co., Ltd. Photographic camera. 2,990,760, 7–4–61, Cl. 95—50.
Chatelin, Bernard, J. Modiano, and F. Weiss, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process of making methacrylates of aliphatic heavy alcohols. 3,014,065, 12–19–61, Cl. 260—486.
Chatellard, Marc: *See*—
Bourdale, Lucien, and Chatellard. 3,008,543.
Chater, William T., to Hughes Aircraft Co. Electric trigger circuits. 2,978,615, 4–4–61, Cl. 317—148.5.
Chatfield, Henry B. Cold forging process. 2,991,552, 7–11–61, Cl. 29—556.
Chatfield, Victor G. M., and F. Kanger, to Dominion Engineering Works Ltd. Combined shut-off ventilated jet discharge valve. 3,004,553, 10–17–61, Cl. 137—315.
Chatham Controls Corp., The: *See*—
Keefer, Fred S., Jr. 2,970,195.
Chatham, Elmore R.: *See*—
Parkinson, William C., and Chatham. 2,972,142.
Chattanooga Medicine Co., The: *See*—
Grote, Irvine W. 3,009,769.
Grote, Irvine W. 3,009,770.
Grote, Irvine W. 3,009,771.
Grote, Irvine W. 3,009,860.
Zimmer, Hans W. 2,985,670.
Zimmer, Hans W., and Holbert. 2,993,891.
Chattanooga Welding & Machine Co., Inc.: *See*—
Holt, Mark L. 2,995,999.
Chatten, John B., to Philco Corp. Method of producing controlled displacement of screen elements in cathode ray tubes. 3,012,887, 12–12–61, Cl. 96—43.
Chatterton, Neil E., and E. L. Bardy. Boat trailer. 3,011,670, 12–5–61, Cl. 214—505.
Chaudron, Georges, M. Caron, and G. Cano, to Commissariat a l'Energie Atomique. Methods of manufacturing porous membranes. 3,005,702, 10–24–61, Cl. 75—63.
Chaumeton, Philibert C., to Shell Oil Co. Preparation of high bulk density expansible thermoplastic materials. 2,986,537, 5–30–61, Cl. 260—2.5.
Chausse, Burnette P., to General Electric Co. Saturable amplifier control and sensing combinations. 2,976,479, 3–21–61, Cl. 323—89.
Chaussedoux, Michel R. Y.: *See*—
Pircher, Georges, and Chaussedoux. 2,997,670.
Chausson, Andre, to Societe Anonyme des Usines Chausson. Device particularly for calibrating equipment for detecting leaks and similar purposes. 2,979,937, 4–18–61, Cl. 73—1.
Chausson, André, to Societe Anonyme des Usines Chausson. Machine operating electro-dynamically, more particularly for compressing fluid. 2,984,406, 5–16–61, Cl. 230—55.
Chausson, Andre, to Societe Anonyme des Usines Chausson. Device for regulating the height of the body of a vehicle in relation to the ground. 2,988,376, 6–13–61, Cl. 280—124.
Chausson, Andre, to Societe Anonyme des Usines Chausson. Installation for guiding road vehicles. 2,992,692, 7–18–61, Cl. 180—79.
Chausson, André, to Societe Anonyme des Usines Chausson. Pistons or flap-valves for compressors and pumps. 3,006,536, 10–31–61, Cl. 230—172.
Chauvin, David M., to Westinghouse Electric Corp. High stability transistor oscillator. 2,985,847, 5–23–61, Cl. 331—117.
Chauvin, Ferdinand P. Grass cuttings receiver. 2,983,094, 5–9–61, Cl. 56—194.
Chauvin, Guy, H. Coriou, and J. Hure, to Commissariat a l'Energie Atomique. High temperature electrolytic cell. 2,987,462, 6–6–61, Cl. 204—245.
Chave, Donald M. Loudspeakers. 2,975,852, 3–21–61, Cl. 181—31.
Chayne, Charles A., to General Motors Corp. Swing axle suspension. 2,990,901, 7–4–61, Cl. 180—73.
Chaze, Paul, and R. Nouel, to La Francaise. Power-multiplying locking system for injection presses. 2,988,778, 6–20–61, Cl. 18—30.
Chazen, Otto L. Food heating and dispensing apparatus. 2,990,973, 7–4–61, Cl. 221—2.
Cheadle, George D., to Union Oil Co. of California. Retorting process control. 3,001,916, 9–26–61, Cl. 202—6.
Cheatum, Leo G., to Deere & Co. Tying mechanism. 2,988,115, 6–13–61, Cl. 140—149.
Check, Edmund A.: *See*—
Scheublein, William A., Jr., and Check. 2,969,230.
Scheublein, William A., Jr., and Check. 2,973,196.
Check, Mathias M.: *See*—
Schroeder, Charles S., Check, and Schmid. 3,003,317.
Check, Mathias M., to The Yale and Towne Mfg. Co. Front piece for a tubular lock. 2,983,540, 5–9–61, Cl. 292—337.
Check, Mathias M., to The Yale and Towne Mfg. Co. Door closer with expansion chamber. 2,994,906, 8–8–61, Cl. 16—51.
Check, Mathias M., to The Yale and Towne Mfg. Co. Door closer with back check. 3,000,043, 9–19–61, Cl. 16—64.
Check, Mathias M., to The Yale and Towne Mfg. Co. Combination padlock. 3,009,345, 11–21–61, Cl. 70—21.
Check, Mathias M., to The Yale and Towne Mfg. Co. Keyless lock. 3,009,346, 11–21–61, Cl. 70—146.

Check, Mathias M., to The Yale and Towne Mfg. Co. Removable core lock. 3,009,349, 11–21–61, Cl. 70—369.

Checker Motors Corp.: *See*—
May, Vivian G. 2,990,215.
May, Vivian G. 2,997,335.

Checkwriter Sales Co.: *See*—
Maloney, William W. and J. F. 2,968,238.

Cheek, Willard D., and A. Somerville, to General Motors Corp. Testing and measuring device. 3,012,143, 12–5–61, Cl. 250—83.3.

Cheeseman, Herbert L., to United States of America, Navy. Turbine combustor. 2,993,337, 7–25–61, Cl. 60—39.65.

Cheeseman, Leslie H., and F. E. Lingard, to Addressograph-Multigraph Corp. Feeding apparatus for rotary printing machines. 2,999,686, 9–12–61, Cl. 271—11.

Cheetwood, John E. Flower holder. 2,981,033, 4–25–61, Cl. 47—41.

Cheilik, Philip, to International Telephone and Telegraph Corp. Magnetic read and write system. 3,013,255, 12–12–61, Cl. 340—174.1.

Chelazzi, Casimiro. Improvements in lead dropping pencils. 3,001,510, 9–26–61, Cl. 120—22.

Chelewski, Edmund. Bale loader and trailer. 2,966,982. 1–3–61. Cl. 198—7.

Chelsea Products, Inc.: *See*—
Mohrman, Harry L. 2,982,198.

Cheltenham Auto Controls Ltd.: *See*—
Hallett, Henry A. 3,014,372.

Chemelex, Inc.: *See*—
Smith-Johannsen, Robert. 2,991,257.
Smith-Johannsen, Robert. 2,995,529.
Smith-Johannsen, Robert. 3,002,862.

Chemerda, John M.: *See*—
Cutler, Frank A., Jr., and Chemerda. 3,013,031.

Chemerda, John M., E. W. Tristram, D. F. Hinkley, and J. T. Broeke, to Merck & Co., Inc. 16-methyl-3α,17α-dihydroxy steroids of the pregnane series. 2,980,713, 4–18–61, Cl. 260—397.45.

Chemerda, John M., W. V. Ruyle, and E. M. Chamberlin, to Merck & Co., Inc. Lower alkyl Δ^5-3-acyloxy-7-bromo-bismorcholenates. 2,981,742, 4–25–61, Cl. 260—397.1.

Chemetals Corp.: *See*—
Fritsch, Hermann. 2,994,917.

Chemetron Corp.: *See*—
Bevarly, Henry W. 2,980,539.
Bottoms, Robert R. 2,996,545.
Bottoms, Robert R. 3,000,947.
Briggs, Joseph A., Jr., and Gardner. 2,979,766.
Bromley, James E., and Lamb. 2,979,882.
Chamberlin, Earl M., Chemerda, Ten Broeke, and Tristram. 2,982,776.
Cox, Paul R., Jr. 2,980,641.
Elchelman, Francis J., and Graunke. 2,968,474.
Fleming, Harold W., and Gutmann. 2,990,432.
Hesson, James C. 2,978,187.
Hesson, James C., and Frost. 2,988,898.
Morehead Laurel A., and Elchelman. 2,985,185.
Tabor, Carl J., and Esser. 2,998,818.

Chemfab Corp.: *See*—
Siegmann, Henry A., and Murphy. 2,991,808.

Chemical Construction Corp.: *See*—
Boyle, Robert J., and James. 3,004,829.
Christensen, Axel, and James. 3,010,807.
Koniewiez, Paul. 3,007,690.
Nebgen, William H. 2,972,818.
Pike, Daniel E. 2,998,100.

Chemical Products Corp.: *See*—
De Maria, John. 2,977,227.
Franz, Arvel O. 3,013,861.

Chemical Research Corp.: *See*—
Upton, George, Jr. 2,972,527.

Chemische Fabriek L. Van der Grinten N.V.: *See*—
Buskes, Willem M., van Rhijn, and Sanders. 3,010,391.
Heldens, Peter H. 3,000,287.

Chemische Fabrik Kalk G.m.b.H.: *See*—
Nees, Hugo, Buettgens, and Geiersberger. 2,968,543.
Nees, Hugo, and Geiersberger. 2,968,546.
Nees, Hugo, and Schmidt. 2,968,545.
Zeitz, Willi, and Nees. 2,968,544.

Chemische Werke Albert: *See*—
Bartels, Ernst A., Brähler, Reese, and Zimmermann. 2,974,085.
Brahler, Berthold, Reese, and Zimmermann. 2,984,669.

Chemische Werke Huls Aktiengesellschaft: *See*—
Broich, Franz, List, and Roh. 2,999,879.
Broich, Franz, Steinbrink, Frese, and König. 2,997,455.
Derichs, Fritz, Franke, and Stumpf. 2,967,895.
Frese, Albert. 2,967,852.
Hilgert, Richard, Jahnentz, and Schmidt. 3,008,807.
Jacobi, Bernhard, and Wolff. 2,974,132.
Jahnentz, Walter, Schmidt, and Hilgert. 3,011,966.
Reese, Johannes, and Bartels. 2,976,305.
Reiser, Mario, Eldebenz, and von Schnh. 2,975,183.
Roh, Nikolaus, Wulf, and Weber. 3,011,990.
Weber, Heinrich, van de Kamp, and Strache. 3,010,984.

Chemische Werke Witten: *See*—
Hoffmann, Gerhart. 3,007,943.

Chemische Werke Witten Gesellschaft mit beschrankter Haftung: *See*—
Katzschmann, Ewald. 3,008,980.

Chem-Metals, Inc.: *See*—
Logan, John E. 2,984,592.

Chemo Puro Mfg. Corp.: *See*—
Hereld, Peter C. 2,971,888.
Hereld, Peter C. 2,990,283.

Chemstrand Corp., The: *See*—
Ballentine, James B., and Pickett. 3,011,904.
Black, William B. 2,987,494.
Black, William B. 3,003,984.
Black, William B. 3,003,985.
Bromley, James E., and Baldwin. 3,009,308.
Campbell, Charles H. 2,982,761.
Campbell, Charles R., Chapman, and Johnson. 2,987,452.
Carter, Ernest P. 2,974,512.
Cox, Paul R., Jr. 3,003,983.
De Witt, Hobson D. 3,011,997.
Goodwin, Chester H., and McKelvy. 2,986,778.
Goodwin, Chester H., and McKelvy. 2,990,584.
Ham, George E., and Craig. 2,971,937.
Hayes, Louis W., and Gottlly. 2,987,267.
Hirshfeld, Julian J., and Jenkins. 3,011,860.
Holmes, Richard R., and Jenkins. 2,982,753.
Jackson, Robert C. 2,986,911.
Jackson, Robert C., and Haigler. 2,986,781.
Johnson, Clarence I., and Stehman. 2,994,717.
Jorgensen, Lester V. 2,982,163.
King, Henry L., and Huffman. 3,004,006.
Knudsen, John P. 3,011,859.
Long, Hiram S., Jr., Chidgey, and Rogers. 3,011,731.
O'Shields, William R. 2,982,001.
Richeson, James P., and Jackson. 2,986,912.
Timble, Robert W. 2,974,392.

Chen, Franklin P. H., to General Electric Co. Ceramic material and method of making the same. 3,006,775, 10–31–61, Cl. 106—39.

Chen, Graham, to Parke, Davis & Co. Dimethyl phenyl piperidinium iodide compositions for stimulation of the autonomic ganglion system. 2,991,227, 7–4–61, Cl. 167—84.5.

Chen, Tung C., to Burroughs Corp. Discrete element magnetic recording. 2,969,527, 1–24–61, Cl. 340—174.1.

Chen, Tung C., to Burroughs Corp. Read-write circuit for magnetic recording. 2,969,528, 1–24–61, Cl. 340—174.1.

Chenel, Albert A. Casement window stabilizer. 2,996,325, 8–15–61, Cl. 292—265.

Cheney, Alwyn H. Machine for forming pipes in the ground. 2,989,012, 6–20–61, Cl. 111—5.

Cheney, C. W., & Son Ltd.: *See*—
Cheney, Charles W. B. 3,008,319.
Cheney, Charles W. B. 3,008,320.
Cheney, Charles W. B. 3,008,745.
Cheney, Charles W. B. 3,013,832.

Cheney, Charles W. B., deceased, by F. M. Tomkinson, H. W. Cheney, and G. M. Sherwood, executors, to C. W. Cheney & Son Ltd. Key locked fastenings for portable containers. 3,008,319, 11–14–61, Cl. 70—67.

Cheney, Charles W. B., deceased, by F. M. Tomkinson, H. W. Cheney, and G. M. Sherwood, executors, to C. W. Cheney & Son Ltd. Lock mechanism for luggage and the like. 3,008,320, 11–14–61, Cl. 70—74.

Cheney, Charles W. B., deceased, by F. M. Tomkinson, H. W. Cheney, and G. M. Sherwood, executors, to C. W. Cheney & Son Ltd. Spring-loaded hasp fastenings for boxes, travel bags and the like. 3,008,745. 11–14–61, Cl. 292—113.

Cheney, Charles W. B., deceased, by F. M. Tomkinson, H. W. Cheney, and G. M. Sherwood, executors, to C. W. Cheney & Son Ltd. Hasp fittings for boxes or luggage bags. 3,013,832, 12–19–61, Cl. 292—281.

Cheney, Howard W.: *See*—
Cheney, Charles W. B. 3,008,319.
Cheney, Charles W. B. 3,008,320.
Cheney, Charles W. B. 3,008,745.
Cheney, Charles W. B. 3,013,832.

Cheney, Lee C., and W. J. Gottstein, to Bristol-Myers Co. N-(9-xanthyl) tetracyclines. 2,971,007, 2–7–61, Cl. 260—335.

Cheney, Lee C., and W. J. Gottstein, to Bristol-Myers Co. Tetracycline derivatives. 2,997,471, 8–22–61, Cl. 260—247.2.

Cheney, Walter J.: *See*—
Brumbaugh, Robert M., and Cheney. 3,002,671.

Cheney, Wendell C., and M. G. Whitfield; said Cheney assor. to Gould-National Batteries, Inc. Heavy duty pistons. 3,000,676, 9–19–61, Cl. 309—14.

Cheney, Wendell C., and M. G. Whitfield; said W. C. Cheney, assor. to Gould-National Batteries, Inc. Piston for internal combustion engines. 3,012,831, 12–12–61, Cl. 309—14.

Cheng, Jen-Pu: *See*—
De Groote, Melvin, and Cheng. 2,996,365.

Cheng, Thomas C., to General American Transportation Corp. Classifying crystallizers and systems. 3,010,805, 11–28–61, Cl. 23—273.

Cheng, Wing G. Portable electric lanterns or torches and switching devices therefor. 3,003,057, 10–3–61, Cl. 240—10.63.

Chenicek, Joseph A., to Universal Oil Products Co. Combination alkylation and dehydrogenation process. 2,969,394, 1–24–61, Cl. 260—577.

Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba. 2,999,273.
Gronemeyer, Erich, and Cherba. 3,010,619.

Chérel, Guy, to Commissariat a l'Energie Atomique. Remote-controlled manipulating apparatus for manipulating objects inside sealed chambers. 2,973,107. 2–28–61, Cl. 214—1.

Cherin, Alvin A., and R. R. Johnson, to Hughes Aircraft Co. Circuits for selectively shifting, extracting, and inserting digital information. 2,969,913, 1–31–61, Cl. 235—157.
Cherkas, Paul, to Pratt & Whitney Co., Inc. Air gage cartridge. 2,991,558, 7–11–61, Cl. 33—147.
Cherkas, Paul, to Tracerlab, Inc. Retractable mount. 2,992,620, 7–18–61, Cl. 104—119.
Cherkin, Arthur: *See*—
Baptist, Victor H., and Cherkin. 2,992,970.
Chernosky, Allen A.: *See*—
Feagin, Frank J., and Chernosky. 3,011,583.
Rodman, Isaac P., Nolie, Chernosky, and Wood. 2,987,698.
Cheroff, George, to International Business Machines Corp. Single crystal photovoltaic cell. 2,986,644, 5–30–61, Cl. 250—225.
Cherreau, André G., A. R. M. Girard, and A. J. P. Villachon, to Societe Metallurgique d'Imphy (Societe Anonyme). Bimetal elements. 2,983,998, 5–16–61, Cl. 29—195.5.
Cherrier, Claude, and R. Jacques, to Compagnie de Saint-Gobain. Preparation of metallic elements. 2,985,573, 5–23–61, Cl. 204—164.
Cherry-Burrell Corp.: *See*—
Holland, Edward T., Jr. 3,012,635.
Perry, Joseph A., Jr., and Haselton. 2,980,414.
Cherry, Edward C., D. G. Holloway, and B. Prasada, to National Research Development Corp. Signal transmission systems. 3,006,991, 10–31–61, Cl. 178—6.
Cherry Electrical Products Corp.: *See*—
Anderson, Fred N., and Cherry. 2,993,102.
Ball, Charles A., Jr. 2,999,138.
Ball, Charles A., Jr., and Cherry. 2,993,101.
Cherry, Walter L., Jr. 3,001,042.
Cherry, Harry G. Extension pedal for vehicle light dimmer switch. 2,969,691, 1–31–61, Cl. 74—560.
Cherry, Norman H., to Nuclear Research Corp. Testing apparatus. 3,008,049, 11–7–61, Cl. 250—83.3.
Cherry, Walter L., Jr.: *See*—
Anderson, Fred N., and Cherry. 2,993,102.
Ball, Charles A., Jr., and Cherry. 2,993,101.
Cherry, Walter L., Jr., to Cherry Electrical Products Corp. Snap-action switch. 3,001,042, 9–19–61, Cl. 200—67.
Chertow, Bernard, to Bristol-Myers Co. Process for the production of tetracycline by fermentation. 2,970,946, 2–7–61, Cl. 195—80.
Cherubim, Justin, to Fairchild Engine and Airplane Corp. Variable pressure orifice. 2,976,087, 3–21–61, Cl. 308—122.
Chervenak, John: *See*—
Bernstein, Bernard, and Chervenak. 2,977,571.
Chervenak, Michael C., to Hydrocarbon Research, Inc. Oil cracking and hydrotreating process. 2,987,468, 6–6–61, Cl. 208—99.
Chery, Walter V. Method of making slide fastener elements. 2,989,803, 6–27–61, Cl. 29—410.
Chesapeake and Ohio Railway Co., The: *See*—
Browne, Kenneth A., and Norton. 2,993,199.
Browne, Kenneth A., and Sennhauser. 2,969,129.
Chesebrough-Pond's, Inc.: *See*—
Bell, Saul A. 2,970,083.
Cheshire, Inc.: *See*—
Doane, James E., and Ridenour. 3,005,565.
Chesley Industries Inc.: *See*—
Chesley, Robert G. 3,013,692.
Chesley, Robert G., to Chesley Industries Inc. Nesting and stacking container. 3,013,692, 12–19–61, Cl. 220—97.
Chesnut, James A., and J. D. Singalewitch, to Johnson & Johnson. Threaded joint with lubricating and sealing ribbon interposed between the threads. 3,002,770, 10–3–61, Cl. 285—94.
Chesnutt, James R., and P. J. Plishner; said Chesnutt assor. to said Plishner. Multi-conductor electrical connector. 3,001,167, 9–19–61, Cl. 339—89.
Chess, Richard B., to Cannon Electric Co. Connectors for coaxial lines. 2,986,720, 5–30–61, Cl. 339—89.
Chessin, Hyman, and R. A. Seybert, to United States of America, Navy. Method of making a sparking detonator. 2,996,944, 8–22–61, Cl. 86—1.
Chester Corp.: *See*—
De Pew, Chester C. 2,967,637.
Chester, Martin H. Thermostatic ventilation button for orthopedic devices. 2,998,921, 9–5–61, Cl. 236—49.
Chester, Peter F.: *See*—
Bolef, Dan I., and Chester. 2,993,176.
Bolef, Dan I., and Chester. 2,997,581.
Chester, Peter F., and P. E. Wagner, to Westinghouse Electric Corp. Variable Q microwave cavity and microwave switching apparatus for use therewith. 3,014,188, 12–19–61, Cl. 333—83.
Chestnut, John D., to Aerojet-General Corp. Method of fracturing earth formations. 3,002,454, 10–3–61, Cl. 102—21.
Chestnutt, Robert E., and K. C. Cormia, to General Electric Co. Article sorting apparatus. 2,998,135, 8–29–61, Cl. 209—120.
Chevalier, Jean G.: *See*—
Goldsborough, Shirley L., and Chevalier. 2,973,463.
Chevalier, Jean G., to Westinghouse Electric Corp. Modified single-compensator three-phase relays. 2,973,462, 2–28–61, Cl. 317—47.
Chevallier, Rene, to Ebauches S.A. Punch tool drive means yieldable upon undue thickness of material being punched. 2,970,503, 2–7–61, Cl. 83—61.
Chevassus, Fernand, to National Lead Co. Stabilization of vinyl chloride polymers with sulfur containing compounds. 3,004,949, 10–17–61, Cl. 260—45.75.
Chevreux, Gerard: *See*—
Furia, Andre, and Chevreux. 3,007,447.
Chew, Clarence, Sr., to Owens-Illinois Glass Co. Controlling the flow of molten glass through a furnace forehearth. 2,999,511, 9–12–61, Cl. 137—392.
Chew, Roy T. Compressor lubrication system. 2,993,641, 7–25–61, Cl. 230—206.
Cheyette, David A., to Nordberg Mfg. Co. Composite wearing parts for crushers and the like. 2,970,783, 2–7–61, Cl. 241—300.
Cheyne, Donald G.: *See*—
Bourne, Ronald F., and Cheyne. 3,014,669.
Chiang, Robert, to Hercules Powder Co. Process for polymerizing vinyl ethers. 3,014,014, 12–19–61, Cl. 260—91.1.
Chiapuzio, Anton, Jr., and G. H. Shaw, to North American Aviation, Inc. Coincidence detector. 2,994,062, 7–25–61, Cl. 340—149.
Chicago Aerial Industries, Inc.: *See*—
Elliott, Eugene W., and Bury. 3,006,263.
Hamilton, Fredrick A. 2,995,662.
Miles, John R. 3,010,367.
Mohan, William L., Jr. 2,986,687.
Siegal, Burton L. 2,973,985.
Willits, Samuel P., and Mohan. 3,002,420.
Willits, Samuel P., Mohan, and McCarty. 2,967,470.
Chicago Bridge & Iron Co.: *See*—
Arne, Christian. 2,975,927.
Bertossa, Robert C. 2,966,738.
Clotfelter, Robert E. 2,984,900.
Harris, Arthur W., and Larsen. 2,968,420.
Jackson, Charles E., and Snow. 3,010,010.
La Fave, Ivan V., and Wissmiller. 2,999,366.
Nilan, Charles P. 2,993,844.
Sangdahl, George S., Jr., and Du Pre. 3,005,258.
Wissmiller, Ivan L. 2,981,437.
Zick, Leonard P. 3,000,091.
Chicago Carton Co.: *See*—
Knox, Charles R. 3,009,624.
Lawrence, Michael J. 3,008,626.
Lawrence, Michael J. 3,010,266.
Ragan, Robert O., and Snyder. 3,005,391.
Ragan, Robert O., and Trant. 3,013,923.
Richardson, Ralph R., and Langland. 3,010,267.
Ryder, Fred A. 2,990,099.
Thompson, George V. 2,990,097.
Chicago Development Corp.: *See*—
Dean, Reginald S. 2,982,646.
Dean, Reginald S. 3,003,890.
McCawley, Frank X. 2,987,390.
McCawley, Frank X. 2,998,642.
Chicago Dynamic Industries, Inc.: *See*—
Koci, Jerry C. 2,990,180.
Koci, Jerry C., and Heide. 3,010,101.
Stunkel, Werner W. 2,990,175.
Chicago Elevator and Machine Co., Inc.: *See*—
Jones, Frederick H., and Mori. 2,969,128.
Chicago Eye Shield Co.: *See*—
Whipple, Willis Z. 2,991,694.
Chicago Fire Brick Co.: *See*—
Parsons, Joseph R. 2,977,239.
Chicago Forging and Mfg. Co.: *See*—
Blair, David R., and Hynes. 2,999,701.
Fiedler, Martin, Korab, and Krause. 3,009,192.
Howe, Earl E. 2,972,186.
Krause, Herbert. 2,987,753.
Krause, Herbert. 2,996,324.
Krause, Herbert, and Korab. 2,992,031.
Chicago Hardware Foundry Co., The: *See*—
Cota, Glenn L. 2,991,560.
Sherwin, Raymond F., and Marabella. 2,977,676.
Chicago Magnet Wire Corp.: *See*—
Zerwes, Paul J. 2,986,116.
Zerwes, Paul J. 3,008,448.
Chicago Metallic Sash Co.: *See*—
Jahn, Martin. 2,998,109.
Sluka, Edward G. 3,012,640.
Chicago Pneumatic Tool Co.: *See*—
Beers, Robert T. 2,990,189.
Coulter, John B., Jr. 3,003,370.
Donowick, George. 2,974,553.
Kinnear, Frank D. 3,013,621.
Lear, Earl B., and Williams. 2,987,045.
Pond, Benham S. 3,014,543.
Schaedler, Raymond J. 3,012,420.
Steen, James B. 3,014,544.
Chicago Railway Equipment Co.: *See*—
Davidson, Arthur C. 2,981,536.
Ekholm, Herbert W. 2,974,758.
Orshansky, Elias, Jr. 2,972,865.
Soddy, Thomas C. 2,969,858.
Soddy, Thomas C. 2,978,073.
Soddy, Thomas C. 2,979,787.
Soddy, Thomas C. 2,981,535.
Spaeth, Irvin J. 2,973,063.
Chicago Rawhide Mfg. Co.: *See*—
Cahill, Richard T., and Kujawa. 2,980,452.
Koch, Theodore F. 2,972,881.
Snyder, Russel D. 2,995,391.

Chicago Roller Skate Co., The: *See*—
Ware, Gordon K. 3,003,776.
Ware, Gordon K. 3,009,709.

Chicago Specialty Mfg. Co.: *See*—
Bachli, Herman, and Shapiro. 2,979,977.

Chicago Wheel & Mfg. Co.: *See*—
Sheets, Vernal L. 2,977,206.

Chichester, George D. Magnetic antenna. 2,975,421, 3–14–61, Cl. 343—787.

Chick, George C.: *See*—
Blackwell, Basil D., Chick, and Cane. 2,979,151.

Chick, Russell W., and G. F. Ropes, ⅛ to C. F. Stromeyer. Process for producing charcoal and apparatus therefor. 2,973,306, 2–28–61, Cl. 202—21.

Chicopee Mfg. Corp.: *See*—
Drelich, Arthur H. 2,992,149.
Drelich, Arthur H., and Griswold. 3,009,822.
Drelich, Arthur H., and Kao. 3,009,823.
Harmon, Carlyle, and Plummer. 3,012,290.
Harmon, Carlyle, Plummer, and Smith. 3,002,849.
Mulhole, William G., and Osmar. 3,000,381.
Musser, David M. 2,972,548.
Musser, David M. 2,992,064.
Nash, Lawrence M. 3,012,264.
Ness, Irving S., and Lints. 2,982,667.
Sexsmith, Fred H. 3,010,858.
Stallard, John A., and Davies. 3,014,830.
Sumner, John K., and Surowitz. 3,004,868.

Chidgey, Ronald W., Jr.: *See*—
Long, Hiram S., Jr., Chidgey, and Rogers. 3,011,731.

Chidsey, Francis A., Jr., to Container Corp. of America. Can carton with curved chime engaging means. 3,010,573, 11–28–61, Cl. 206—65.

Chien, Kun L., and C. H. Propster, Jr., to Radio Corp. of America. Information extracting system. 2,967,296, 1–3–61, Cl. 340—172.5.

Chieregatti, Luigi. Air conditioning apparatus of the induction type. 3,014,496, 12–26–61, Cl. 137—601.

Chih, Chen M., and J. K. Backus, to General Mills, Inc. Journal box lubricator. 2,988,406, 6–13–61, Cl. 308—87.

Chiksan Co.: *See*—
Bily, Peter J. 2,980,150.
Knight, Houston W. 2,986,344.

Chilcoat, Murray A.: *See*—
Piet, Meyer, and Chilcoat. 3,000,655.

Chilcote Co., The: *See*—
Ladenburger, Leonard, and Chilcote. 2,984,922.

Chilcote, William A.: *See*—
Ladenburger, Leonard, and Chilcote. 2,984,922.

Child, Henry C.: *See*—
Harris, Geoffrey T., and Child. 2,985,529.

Child, Ivan C. Brush type vacuum cleaner nozzle of air motor type. 2,993,224, 7–25–61, Cl. 15—387.

Child, Lachlan W.: *See*—
Trotman, Herbert H., Child, and Carmick. 2,992,604.
Trotman, Herbert H., Child, and Carmick. 2,992,605.

Childs, David E.: *See*—
Mageoch, Harry Y., and Childs. 3,008,015.

Childs, William I.: *See*—
Lefevre, Leonard J., and Childs. 2,970,071.

Childs, William I., to The Dow Chemical Co. Method for removing iron from aqueous concentrated alkali metal hydroxide solutions. 2,991,156, 7–4–61, Cl. 23—184.

Childs, William S., to General Dynamics Corp. Pump for cellular fluid such as blood and the like. 3,007,416, 11–7–61, Cl. 103—44.

Chill, Charles W., C. G. Clark, and E. Jasion, to The Udylite Corp. Work carrier transfer device. 3,009,424, 11–21–61, Cl. 104—162.

Chill, Charles W., C. G. Clark, and G. Krebs, to The Udylite Corp. Skip transfer mechanism for conveying apparatus. 3,013,506, 12–19–61, Cl. 104—162.

Chillson, Charles W., to Curtiss-Wright Corp. Mechanical servo mechanisms. 2,966,805, 1–3–61, Cl. 74—388.

Chillson, Charles W., to Curtiss-Wright Corp. Aircraft propeller mounting. 2,998,079, 8–29–61, Cl. 170—135.7.

Chillson, Charles W., to Curtiss-Wright Corp. Mechanical servo with reciprocating drive. 3,008,340, 11–14–61, Cl. 74—424.8.

Chilman, John A., to Rotol Ltd. Impellers. 2,995,190, 8–8–61, Cl. 170—135.72.

Chilman, John A., A. G. Mapp, J. M. Masterman, and J. Cripps, to Rotol Ltd. Phasing apparatus. 2,972,087, 2–14–61, Cl. 317—6.

Chilton, Robert C. Drying attachment for spray gun. 2,980,786, 4–18–61, Cl. 219—39.

Chilton, William D., to General Motors Corp. Hog ring clinching tool with angle head. 3,013,270, 12–19–61, Cl. 1—187.

Chimel S.A.: *See*—
Nessim, Léon G. 2,993,819.

Chin, Bock M., and G. L. Sullivan, to General Electric Co. Servosystem lead network. 3,005,139, 10–17–61, Cl. 318—448.

Chin, Pao H.: *See*—
Tsien, Hsue C., and Chin. 2,981,430.
Tsien, Hsue C., and Chin. 2,981,866.

Chinchole, Henri A. Dispensing device with means to create a percussive effect. 2,997,215, 8–22–61, Cl. 222—261.

Chinlund, Joseph F., to Minneapolis-Honeywell Regulator Co. Self-contained valve. 3,005,466, 10–24–61, Cl. 137—486.

Chinn, Harry G.: *See*—
Haine, Walter A., and Chinn. 3,008,862.

Chinn, Thomas: *See*—
Henson, Charles A., and Chinn. 3,012,328.

Chinoin Gyogyszer-es Vegyeszeti Termekak Gyara Rt: *See*—
Kollonitsch, János, Fuchs, and Vita. 2,983,755.
König, Rezso, and Földi. 2,995,586.

Chiola, Vincent, and W. C. Fink, to Sylvania Electric Products Inc. Coated photoflash lamp. 2,978,890, 4–11–61, Cl. 67—31.

Chiolerio, Francesco. Automatic brake for winches and the like. 2,997,146, 8–22–61, Cl. 192—8.

Chiotti, Premo, to United States of America, Atomic Energy Commission. Uranium recovery from metallic masses. 2,990,273, 6–27–61, Cl. 75—84.1.

Chipalkatti, Vasant B., and K. Manivannan, to Shri Ram Institute for Industrial Research. Method of applications of fluids to textile and like materials. 3,014,777, 12–26–61, Cl. 8—151.

Chiras, Stanley J., to Olin Mathieson Chemical Corp. Process of preparing diborane. 2,967,760, 1–10–61, Cl. 23—204.

Chirgwin, Keith M.: *See*—
Stratton, Lawrence J., and Chirgwin. 2,995,696.

Chiron, Bernard P., to Lignes Telegraphiques & Telephoniques. Short-circuit devices for ultra-high frequency wave guides. 3,008,096, 11–7–61, Cl. 333—7.

Chisholm, Douglas S., and H. R. Bylsma, to The Dow Chemical Co. Method for making beads of thermoplastic polymers. 3,003,193, 10–10–61, Cl. 18—55.

Chisholm, Fox & Garner Ltd.: *See*—
Coates, Donald H. 2,967,632.

Chisholm, Morris W., and K. E. Nichols. Impulse powered X-ray apparatus. 2,969,464, 1–24–61, Cl. 250—102.

Chisholm-Ryder Co., Inc.: *See*—
Carlson, Wyman I. 3,010,498.
Karge, Max R., and Carlson. 2,979,096.
Ward, John W. Re. 25,044.

Chisholm, Walter F., to Magnet Cove Barium Corp. Well fluid composition and process for using same. 3,009,874, 11–21–61, Cl. 252—8.5.

Chisnell, Doyle A., and E. A. Hirzel, to The Goodyear Tire & Rubber Co. Brake with deflection compensating pistons. 2,992,705, 7–18–61, Cl. 188—72.

Chittick, C. Yardley: *See*—
Hilton, Stanley C. 2,979,063.

Chiusoli, Gian P.: *See*—
Boffa, Gioacchino, Chiusoli, and Quilico. 3,012,061.

Chiusoli, Gian P., to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Hydrogenated derivatives of 7-cyano-2,5-heptadienoic acid and its esters. 2,978,466, 4–4–61, Cl. 260—404.

Chiusoli, Giam P., and F. Minisci, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Process for obtaining carboxylic acids from organic peroxides and carbon monoxide. 2,993,072, 7–18–61, Cl. 260—537.

Chiville, John W., to ACF Industries, Inc. Fitting. 2,991,105, 7–4–61, Cl. 287—108.

Chiyoda Chemical & Engineering Construction Co., Ltd.: *See*—
Hayashi, Tateki, and Tsutsumi. 2,973,384.

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Chlebus Rolf H., to VEB Leipziger Buchbindereimaschinenwerk. Work sensing clamping pressure adjusting means. 2,971,417, 2–14–61, Cl. 83—364.

Chleck, David J., and C. A. Ziegler, to Tracerlab, Inc. Gas monitoring techniques. 2,968,722, 1–17–61, Cl. 250—43.5.

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Cho, Chi L., 40% to S. Gluck. Safety locks. 2,987,910, 6–13–61, Cl. 70—387.

Chodacki, Joseph, and R. Zdrojkowski. Traction device for automobile tires. 2,975,977, 3–21–61, Cl. 238—14.

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Choice, David C. Snow and ice removal vehicle. 2,966,751, 1–3–61, Cl. 37—12.

Choice, Frank C., to United Shoe Machinery Corp. Fastener inserting mechanisms. 2,979,723, 4–18–61, Cl. 1—5.

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Cholet, Bertram. Fountain pen. 2,996,750, 8–22–61, Cl. 15—566.

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Chope, Wilbert E., and F. M. Alexander, to Industrial Nucleonics Corp. Nuclear magnetic resonance measuring system. 2,999,381, 9–12–61, Cl. 73—73.
Choppa, John T. Fabricated ceiling construction. 3,004,639, 10–17–61, Cl. 189—36.
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Furman, Edward, and D. and M. Chorne. 2,975,446.
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Choupin, Gabriel M. V. J. Shuttle changing mechanism for ribbon making looms. 2,982,316, 5–2–61, Cl. 139—234.
Chow, Sui-Wu, and J. M. Whelan, Jr., to Union Carbide Corp. Maleimide polymers. 2,971,944, 2–14–61, Cl. 260—78.
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Christen, Alfred, and D. Weber, to Patelhold Patentverwertungs- & Elektro-Holding A.-G. Resonator for single-circuit magnetron. 3,011,091, 11–28–61, Cl. 315—39.73.
Christensen, Axel, and G. R. James, to Chemical Construction Corp. Multi-stage catalytic conversion. 3,010,807, 11–28–61, Cl. 23—288.
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Christensen, Dan A., to Federal-Mogul-Bower Bearing, Inc. Railroad journal bearing. 2,984,526, 5–16–61, Cl. 308—79.1.
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Christensen, Edward R., J. Ryer, and H. V. Hess, to Texaco Inc. Upgrading a naphtha by separation into two fractions and separate treatment of each fraction. 3,000,810, 9–19–61, Cl. 208—79.
Christensen, Edwin S. Transmission. 2,971,394, 2–14–61, Cl. 74—377.
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Anderson, Orson L., and Christensen. 3,006,067.
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Christensen, Martin. Lathes. 3,010,344, 11–28–61, Cl. 77—3.
Christensen, Norman B., ½ to Republic Mfg. Co., and ½ to The Firestone Tire & Rubber Co. Control device for vehicle suspension. 2,970,614, 2–7–61, Cl. 137—627.5.
Christensen, Paul M., to Federal Pacific Electric Co. Bus duct. 3,003,021, 10–3–61, Cl. 174—99.
Christensen, Paul M., to Federal Pacific Electric Co. Bus ducts and insulators therefor. 3,011,011, 11–28–61, Cl. 174—99.
Christensen, Raymond T., to Zenith Radio Corp. Hearing aids. 3,004,113, 10–10–61, Cl. 179—107.
Christensen, Raymond T., and L. E. Wojcik, to Zenith Radio Corp. Sound-transducing apparatus. 3,013,127, 12–12–61, Cl. 179—114.
Christensen, Sheldon L. Hydraulic impact tool. 3,004,523, 10–17–61, Cl. 121—28.
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Christenson, Howard W., to General Motors Corp. Pump. 3,003,428, 10–10–61, Cl. 103—175.
Christenson, Howard W., M. E. Fisher, and U. A. Breting, to General Motors Corp. Transmission. 2,969,695, 1–31–61, Cl. 74—710.5.
Christenson, Howard W., R. M. Tuck, and K. A. Bailey, to General Motors Corp. Hydrodynamic brake system. 2,990,919, 7–4–61, Cl. 188—90.
Christenson, Howard W., and J. J. Mooney, Jr., to General Motors Corp. Torque transmitting mechanism. 3,006,199, 10–31–61, Cl. 74—15.84.
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Christenson, Roger M., to Pittsburgh Plate Glass Co. Water-insoluble condensation products of aldehydes and acrylamide interpolymers. 2,978,437, 4–4–61, Cl. 260—72.
Christenson, Roger M., M. Wismer, and W. R. Hydro, to Pittsburgh Plate Glass Co. Epoxy resins with high heat distortions. 3,001,972, 9–26–61, Cl. 260—47.
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Christian, John F., to United States of America, Army. Eye wash fountain. 2,994,483, 8–1–61, Cl. 239—337.
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Christianson, George, to The Rath Packing Co. Process for recovering protein from fatty tissue. 3,008,831, 11–14–61, Cl. 99—109.
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Christoff, Chris A., to Clary Corp. Method of making type drums. 3,002,452, 10–3–61, Cl. 101—401.2.

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Ciampa, Joseph F., to Standard Box Spring Co. Interlocked spring assembly for padded box springs. 2,968,052, 1–17–61, Cl. 5—248.
Cianchi, Alfredo L. G., to Welwyn Electrical Laboratories Ltd. Vitreous materials. 3,000,745, 9–19–61, Cl. 106—39.
Ciardiello, Diane. Flashlight tester for electrical devices. 3,004,217, 10–10–61, Cl. 324—53.
Ciarlariello, Thomas A., to M.S.A. Research Corp. Fuel cell operation. 2,997,517, 8–22–61, Cl. 136—86.
Ciarlariello, Thomas A., to MSA Research Corp. Self-continuing hydride cells. 3,014,084, 12–19–61, Cl. 136—86.
Ciba A.G.: *See*—
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Ciba Ltd.: *See*—
Ackermann, Franz, and Siegrist. 2,977,319.
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Albrecht, Otto. 3,003,969.
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Duennenberger, Max, Siegrist, and Maeder. 2,995,564.
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Grossmann, Paul 2,982,773.
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Matter, Erich, Albrecht, and Hiestand. 2,984,587.
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Siegrist, Adolf E., and Ackermann. 2,995,605.
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Ciba Ltd.: *See*—Continued
Siegrist, Adolf E., Duennenberger, and Maeder. 3,010,967.
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Staeuble, Max, and Weber. 2,993,045.
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Ciba Pharmaceutical Products, Inc.: *See*—
Bencze, William L. 3,007,934.
Bencze, William L. 3,007,935.
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Druey, Jean, Isler, and Schenker. 2,980,685.
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Druey, Jean, Meier, and Staehelin. 3,004,972.
Druey, Jean, Meier, and Staehelin. 3,004,973.
Druey, Jean, and Schenker. 3,004,979.
Druey, Jean, and Schmidt. 2,980,669.
Druey, Jean, and Schmidt. 2,980,677.
Druey, Jean, Schmidt, and Eichenberger. 2,989,537.
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Hoffmann, Karl, and Heer. 3,000,896.
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Hoffmann, Karl, Hunger, Kebrle, and Rossi. 2,987,518.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 3,000,898.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 3,004,982.
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Huebner, Charles F. 2,986,562.
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Ulshafer, Paul R. 2,982,770.
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Wettstein, Albert, Anner, and Ehmann. 3,012,941.
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Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,970.
Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,971.
Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,972.
Wettstein, Albert, Heusler, and Wieland. 3,004,890.
Wettstein, Albert, Heusler, and Wieland. 3,012,940.
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Wettstein, Albert, Vischer, and Bickel. 3,000,786.
Wettstein, Albert, Vischer, and Meystre. 2,969,304.
Wettstein, Albert, Vischer, and Meystre. 2,969,305.
Wettstein, Albert, Vischer, and Meystre. 3,000,884.
Ciba Products Corp.: *See*—
Nikles, Otho L. 3,006,891.
Nikles, Otho L. 3,006,892.
Cibula, John F. Rocker screen vibrating machine with undulated screen cloth. 2,973,865, 3–7–61, Cl. 209—315.
Cicalese, Michael J., to Hydrocarbon Research, Inc. Hydrocarbon recovery from natural gas. 2,973,834, 3–7–61, Cl. 183—120.
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Berry, Charles E., and Cichelli. 2,987,767.
Cichelli, Mario T., to E. I. du Pont de Nemours and Co. Process and apparatus for forming tubes. 2,987,765, 6–13–61, Cl. 18—14.
Cid Air Structures Co.: *See*—
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Cie Massey-Ferguson: *See*—
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Cincinnati Mfg. Corp.: *See*—
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Cincinnati Milling Machine Co., The: *See*—
Carter, Benjamin W. 2,969,717.
Dall, Albert H. 2,998,867.
Decker, Jacob. 3,003,491.
Dugle, Thomas E., and Meyers. 2,998,759.
Glenn, Ashley C. 2,967,323.
Grove, George L. 3,003,492.
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Horlacher, Herman. 2,969,808.
Huber, Clarence F., and Thompson. 2,996,398.
Huber, Clarence F., and Thompson. 2,996,399.
Luebkemann, Harry E. 3,012,553.
Mehlhope, Kenenth D., and Faulhaber. 2,969,623.
Neal, Norman D. 2,984,953.
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Seidel, William B., and Egbert. 3,009,295.
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Cines, Martin R., to Phillips Petroleum Co. Solvent recovery from polyolefin catalyst. 2,970,990, 2–7–61, Cl. 260—94.9.
Cines, Martin R., to Phillips Petroleum Co. Polyolefin drying process. 2,970,991, 2–7–61, Cl. 260—94.9.
Cines, Martin R., to Phillips Petroleum Co. Process for the production of solid polymer. 2,971,951, 2–14–61, Cl. 260—94.9.
Cinestat Corp.: *See*—
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Cipriani, Chester C., and C. H. Stark, to Kimble Glass Co. Structural panel and building wall construction utilizing same. 2,996,845, 8–22–61, Cl. 50—267.
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Cirrito, Anthony J., to Rice Barton Corp. Slice control mechanism. 3,010,510, 11–28–61, Cl. 162—344.
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Ciscel, Benjamin H., to Minneapolis-Honeywell Regulator Co. Automatic steering mechanism. Re. 25,097, 12–19–61, Cl. 244—77.
Cisco, Edward S., and G. R. O'Leary, to Stanray Corp. Lock means. 2,997,322, 8–22–61, Cl. 292—108.
Cislak, Francis E., to Reilly Tar & Chemical Corp. Pyridine-ring containing resins and process of preparing them. 2,972,603, 2–21–61, Cl. 260—79.
Cislak, Francis E., to Reilly Tar & Chemical Corp. N-di-(alkanol-pipecolyl)-alkanol amines. 2,972,617, 2–21–61, Cl. 260—294.7.
Cislak, Francis E., to Reilly Tar & Chemical Corp. Process of making 2-cyanopyridines. 2,989,534, 6–20–61, Cl. 260—294.9.
Cislak, Francis E., to Reilly Tar & Chemical Corp. Process of preparing dipyridyls. 2,992,224, 7–11–61, Cl. 260—296.
Cislo, Casimer J., to General Motors Corp. Dual height leveling valve for air suspension. 2,974,675, 3–14–61, Cl. 137—87.
Cislo, Casimer J., to General Motors Corp. Self-aligning suspension control arm bearing assembly. 2,996,308, 8–15–61, Cl. 280—96.1.
Cislo, Casimer J., to General Motors Corp. Dual height leveling valve for vehicle air suspension. 3,000,400, 9–19–61, Cl. 137—627.5.
Cislo, Casimer J., to General Motors Corp. Air spring assembly and control device therefor. 3,000,624, 9–19–61, Cl. 267—65.
Cissell, Lillian E.: *See*—
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Cissell, W. M., Mfg. Co.: *See*—
Cissell, William M. 3,012,428.
Richterkessing, Frank H. 3,006,516.
Richterkessing, Frank H., and Brian. 3,009,475.
Richterkessing, Frank H., and Ingold. 3,008,699.
Cissell, William M.; E. C. Lewis, and L. E. Cissell, co-executors, to W. M. Cissell Mfg. Co. Coin-controlled automatic clothes washing machine. 3,012,428, 12–12–61, Cl. 68—12.
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Cities Service Research and Development Co.: *See*—
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Hughes, William B. 3,008,898.
Kerschner, Paul M., and Meyers. 3,010,990.
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Citizens of the City of Liverpool, The: *See*—
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Witmor, William N. 2,980,401.
Cittadino, Charles J. Air conditioning and heating system for drive-in theater. 3,008,401, 11–14–61, Cl. 98—2.
City National Bank and Trust Co. of Chicago: *See*—
Laser, William F. 2,971,783.
Laser, William F. 3,009,717.
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Civitelli, Gennaro, and Z. S. Ochin. Electric plug ejector. 2,977,564, 3–28–61, Cl. 339—45.
Civitelli, Gennaro, and H. L. Gordon. File or rasp. 2,986,800, 6–6–61, Cl. 29—79.
Cizek, Eric P., to Monsanto Chemical Co. Method for preparing moldings of foamed thermoplastic resins. 3,010,157, 11–28–61, Cl. 18—48.
Cizek, George J. Mowing machine with pitch control therefor. 3,009,305, 11–21–61, Cl. 56—25.4.
Cizek, George J. Mowing machine and controls therefor. 3,014,329, 12–26–61, Cl. 56—25.4.
Claas, Helmut. Combine harvester and drive mounting therefor. 3,006,125, 10–31–61, Cl. 56—20.
Claas, Reinhold. Pick-up baler with pivotable drawbar. 3,014,737, 12–26–61, Cl. 280—462.
Claassen, Bruno. Method and apparatus for machining the ends of the teeth of gear wheels and similar workpieces. 2,993,417, 7–25–61, Cl. 90—1.4.
Clachan, Margaret L., N. S. McPherson, K. R. Tatchell, and T. A. Abbott, to Bexford Ltd. Linear copolycondensation product comprising recurring aromatic carbonate and carboxylic acid ester units in the polymer chain, and article formed thereof. 3,000,849, 9–19–61, Cl. 260—45.4.
Clack Water Treatment, Inc.: *See*—
Clack, Willis E. 2,985,193.
Clack, Willis E., to Clack Water Treatment, Inc. Control valves. 2,985,193, 5–23–61, Cl. 137—630.22.
Claes, Georg, to Firma Gebr. Hischmann, Maschinenfabrik. Apparatus for hard disintegrating and sifting. 2,980,347, 4–18–61, Cl. 241—34.
Claesen, Michel: *See*—
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Claesson, Harry: *See*—
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Claesson, Per H. E.: *See*—
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Vigren, Sten D., Claesson, and Zander. 3,002,057.
Claff, Chester E., and C. A. Moeller, to M. B. Claff & Sons, Inc. Reenforced box and box blank and method and machine for making the same. 2,969,906, 1–31–61, Cl. 229—50.
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Claff, Chester E., and Moeller. 2,969,906.
Claflin, Raymond E., Jr., and R. J. Procaccino, to The Oilgear Co. Carrier type amplifier. 2,973,468, 2–28–61, Cl. 318—257.
Claflin, Raymond E., Jr., and R. J. Procaccino, to The Oilgear Co. Carrier type amplifier. 3,004,204, 10–10–61, Cl. 318—257.
Claiborne, Earl B., and R. H. Schatz, to Esso Research and Engineering Co. Polymerization diluent treatment. 3,002,962, 10–3–61, Cl. 260—93.7.
Clair Mfg. Co., Inc.: *See*—
Burt, William C. 2,984,954.
Clairex Corp.: *See*—
Deuth, Albert F. 3,011,092.
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Clamp, John R. Electrical heating apparatus. 3,012,128, 12–5–61, Cl. 219—34.

Clancy, George W.: *See*—
Phelps, Roscoe E., and Clancy. 3,012,675.

Clancy, John F., deceased, by M. F. Clancy, executrix, to General Motors Corp. Annuli accumulator instruments. 3,000,560, 9–19–61, Cl. 235—117.

Clancy, John J., to The L. D. Caulk Co. Method for making dental amalgams and product thereof. 2,991,176, 7–4–61, Cl. 75—169.

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Clancy, John F. 3,000,560.

Clanin, Richard D., and O. Hansen, Jr., to Lynch Corp. Cartoning machine. 2,999,344, 9–12–61, Cl. 53—186.

Clanton, James D., Jr., E. H. Flath, Jr., and E. G. Keiffer, to Chance Vought Corp. Reduced-height radome-antenna. 2,980,909, 4–18–61, Cl. 343—705.

Clapp, Archie J., Jr. Aircraft payload computer. Re. 25,041, 9–19–61, Cl. 235—61

Clapp, Charles H., Jr., and T. A. Thonet, to Continental Filling Corp. Pressurized decorative spray-package. 2,982,743, 5–2–61, Cl. 260—18.

Clapp, Clarence, to Western Filling Corp. Packaged self-propelling liquid compositions. 2,995,278, 8–8–61, Cl. 222—394.

Clapp, David M., and J. R. Mitchell, to Service Conveyor Co. Conveyor mechanisms. 2,989,169, 6–20–61, Cl. 198—196.

Clapp, Robert J.: *See*—
Bottoms, Paul H., Clapp, Loggins, and Stansbury. Re. 24,978.
Bottoms, Paul H., Stansbury, and Clapp. 3,004,295.

Clapp, Roy A., to Pako Corp. Photographic printing apparatus. 2,985,062, 5–23–61, Cl. 88—24.

Clapper, Donald H. Earth rollers. 2,985,079, 5–23–61, Cl. 94—50.

Clapper, Genung L., to International Business Machines Corp. Push-pull ring circuit. 2,968,002, 1–10–61, Cl. 328—43.

Clapper, Genung L., to International Business Machines Corp. Method and apparatus for handling and storing binary data. 2,969,526, 1–24–61, Cl. 340—174.1.

Clapper, Genung L., to International Business Machines Corp. Differentiator and mixer circuit. 2,975,303, 3–14–61, Cl. 307—88.5.

Clapper, Genung L., to International Business Machines Corp. Shifting registers. 2,988,701, 6–13–61, Cl. 328—37

Clapper, Genung L., to International Business Machines Corp. Signal translating apparatus. 3,003,069, 10–3–61, Cl. 307—8.5.

Clapper, Genung L., and R. L. Pratt, to International Business Machines Corp. Transmission line driver. 2,995,667, 8–8–61, Cl. 307—88.5.

Clapper, Homer W. Swaged end for stranded metal mechanical cable. 3,002,046, 9–26–61, Cl. 174—89.

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Boomer, Daryl R., Clapperton, and Phillips. 2,985,643.

Clapsaddle, Dale C. Fibrous material dispenser. 2,975,914, 3–21–61, Cl. 214—83.14.

Clar, Milton, to ACF Industries, Inc. Spool-type valve for use in hydraulic systems. 2,969,045, 1–24–61, Cl. 121—46.5.

Clar, Milton, to ACF Industries Inc. Assembling and finishing method and apparatus. 2,978,791, 4–11–61, Cl. 29—34.

Clar, Mottel, and H. J. Percy; said Percy assor. to M. Clar. Ash tray. 2,989,207, 6–20–61, Cl. 220—4.

Clarage Fan Co.: *See*—
Downs, Sewell H., and Zeluff. 3,011,693.
Foskett, Maynard L. 3,000,249.

Clare, C. P., & Co.: *See*—
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Clare, Maurice C. Moistening device for offset printing machines and the like. 2,986,337, 5–30–61, Cl. 239—220.

Claret, Rene J. B., to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Inertial guidance device. 3,005,352, 10–24–61, Cl. 74—5.34.

Clarey, Alexander. Electric switches. 3,010,004, 11–21–61, Cl. 200—152.

Clarin, John H., to Clarin Mfg. Co. Folding chair. 2,982,339, 5–2–61, Cl. 155—143.

Clarin, John H., to Clarin Mfg. Co. Folding arm chair. 2,996,331, 8–15–61, Cl. 297—38.

Clarin Mfg. Co.: *See*—
Clarin, John H. 2,982,339.
Clarin, John H. 2,996,331.
Clarin, Werner E. 3,001,816.

Clarin, Werner E., to Clarin Mfg. Co. Folding chair. 3,001,816, 9–26–61. Cl. 297—56.

Clark, Adna R., and G. E. Coleman, to International Harvester Co. Apparatus for starting internal combustion engines. 2,981,056, 4–25–61, Cl. 60—17.

Clark, Adna R., and G. E. Coleman, to International Harvester Co. Starting mechanism for internal combustion engines. 2,986,135, 5–30–61, Cl. 123—180.

Clark, Albert P., to United States of America, Navy. Hydrostatic lubricating apparatus. 2,972,961, 2–28–61, Cl. 103—161.

Clark, Alexander B., Jr. Cloth reel. 2,981,406, 4–25–61, Cl. 206—50.

Clark, Alfred: *See*—
Holm, Vernon C. F., Bailey, and Clark. 2,985,598.

Clark, Alfred, to Phillips Petroleum Co. Process for upgrading a pentane-containing natural gasoline by isomerization and reforming. 2,970,955, 2–7–61, Cl. 208—65.

Clark, Alfred S., to United Shoe Machinery Corp. Machines for fabricating ribbed insoles for welt shoes. 2,979,744, 4–18–61, Cl. 12—20.

Clark, Alvetta. Action clown. 2,974,440, 3–14–61, Cl. 46—118.

Clark, Ashford J. Telephone attachment. 2,981,021, 4–25–61, Cl. 40—336.

Clark, Athol B., and R. K. Delaney. Railway car journal failure detector and warning device. 2,973,429, 2–28–61, Cl. 246—169.

Clark, Calvin M., to California Research Corp. Pulse height analyzer. 2,968,724, 1–17–61, Cl. 250—71.5.

Clark, Charles A., to The International Nickel Co., Inc. Temperature compensating iron - nickel - copper alloys. 2,968,548, 1–17–61, Cl. 75—125.

Clark, Charles K., to The Crossett Co. Process for separating lignin solids from used neutral sulfite pulping liquors. 2,994,633, 8–1–61, Cl. 162—16.

Clark, Chester G.: *See*—
Chill, Charles W., Clark, and Jaslon. 3,009,424.
Hayes, Richard D., and Clark. 3,008,865.

Clark, Chester G., to The Udylite Corp. Rack loading and unloading mechanism. 2,969,750, 1–31–61, Cl. 104—96

Clark, Chester G., to The Udylite Corp. Work handling mechanism. 3,013,678, 12–19–61, Cl. 214—89.

Clark, Clarence C., and D. V. Noble; said Clark assor. to said Noble. Casting plaster. 3,007,803, 11–7–61, Cl. 106—38.3.

Clark, Clayton H.: *See*—
Kleinschmidt, Edward F., and C. P. and H. A. Anderson, Clark, and Sherrick. 2,982,810.

Clark, Clayton F., and R. W. Hill, to Spencer Chemical Co. Composition comprising polyethylene and an N-oleyladipamide. 2,991,263, 7–4–61, Cl. 260—32.6.

Clark, Clayton F., and R. W. Hill, to Spencer Chemical Co. Polyethylene compositions containing an N-substituted oleamide. 2,991,265, 7–4–61, Cl. 260—32.6.

Clark-Cleveland Inc.: *See*—
Germann, Donald P., Kropa, King, and Stickney. 3,003,988.

Clark Controller Co., The: *See*—
Bundy, Oswald M. 3,007,177.
Bundy, Oswald M., and Nemeth. 2,978,553.
Cortelli, John A., and Koenig. 2,985,809.
Hoge, Robert H. 2,970,611.
Zarling, Steve A. 2,966,979.
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Clark, David A., and R. A. Box having pouring spout. 3,003,673, 10–10–61, Cl. 229—17.

Clark, David, Co. Inc.: *See*—
Wadsworth, William B., and Poole. 2,981,958.

Clark, Dwight E.: *See*—
Chill, Charles W., Clark, and Krebs. 3,013,506.

Clark, Earl D. Trailer tongue. 3,010,734, 11–28–61, Cl. 280—116.

Clark, Earl W. Attachment for hair clippers. 2,974,412, 3–14–61, Cl. 30—201.

Clark, Earl W., to General Electric Co. Non-linear scale electrical measuring instrument. 2,973,480, 2–28–61, Cl. 324—150.

Clark, Earnest H., Jr.: *See*—
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Clark, Earnest H., Jr., to Baker Oil Tools, Inc. Well bore drilling and cementing apparatus. 2,988,145, 6–13–61, Cl. 166—103.

Clark, Earnest H., Jr., to Baker Oil Tools, Inc. Subsurface well apparatus. 2,998,075, 8–29–61, Cl. 166—194.

Clark, Earnest H., Jr., to Baker Oil Tools, Inc. Well packers. 3,011,555, 12–5–61, Cl. 166—122.

Clark, Earnest H., Jr., and W. D. Myers, to Baker Oil Tools, Inc. Mechanically set well packer. 2,998,073, 8–29–61, Cl. 166—134.

Clark, Earnest H., Jr., and W. D. Myers, to Houston Oil Field Material Co., Inc. Fluid by-pass for rotary drill bits. 3,005,507, 10–24–61, Cl. 175—324.

Clark, Earnest H., Jr., and J. D. Keithahn, to Baker Oil Tools, Inc. Retrievable well packer and anchor. 3,008,523, 11–14–61, Cl. 166—129.

Clark, Edward G., to Burroughs Corp. Ring counter. 2,973,438, 2–28–61, Cl. 307—88.5.

Clark, Edward G., to Burroughs Corp. Transistorized core flip-flop. 2,994,788, 8–1–61, Cl. 307—88.5.

Clark, Elizabeth C.: *See*—
Owen, Harold A., and Clark. 3,005,990.
Owen, Harold A., and Clark. 3,009,464.

Clark Equipment Co.: *See*—
Berquist, Leonard G., Millious, and Newhouse. 2,990,074.
Brudi, Ronald A., and Millious. 3,008,597.
Conrad, Marcus L. 2,975,910.
Cook, Charles A. 2,990,850.
Dodge, Raymond A. 2,975,922.
Dunham, Elmer J. 2,951,662.
Dunham, Elmer J. 2,997,193.
Felder, Howard B. 2,978,902.
Frost, Barry L. 3,007,481.
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Hasbany, Woodrow A. 2,977,979.
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Henyon, Lewis E. 2,978,083.
Henyon, Lewis E. 3,009,553.
Jacobus, Charles J. 3,008,312.
Jensen, Lester K. 2,996,204.
Lapsley, Robert. 2,990,591.
Lapsley, Robert. 3,012,295.
Lauck, John A. 2,988,888.
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Leonard, William F. 2,969,687.
Loomis, Jack E. 3,014,604.
McColl, Bruce J. 2,967,582.
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Miller, Prentice M. 3,003,659.
Mindrum, Kenneth H. 2,990,072.
Newhouse, James H. 2,998,288.
Orwig, Herbert L. 2,967,718.
Pattison, Jack E. 2,986,236.
Pattison, Jack E. 3,003,254.
Rice, William E. 2,970,848.
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White, William E. 2,985,260.
Williamson, William A. 2,967,074.
Williamson, William A. 2,981,429.

Clark, Eugene F., to Fieldcrest Mills, Inc. Method of and apparatus for weaving. Re. 24,949, 3–21–61, Cl. 139—46.

Clark, Eugene V., Jr., to North American Aviation, Inc. Graphite boron neutron shielding. 2,987,488, 6–6–61, Cl. 252—478.

Clark, Eugene W., to Advertising Products, Inc. Rotating display mechanism. 3,004,358, 10–17–61, Cl. 40—33.

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Arden, Benjamin, and Clark. 2,992,997.
Kosowsky, David I., and Clark. 2,967,958.

Clark, Frank. Automatic stirring device. 3,011,768, 12–5–61, Cl. 259—108.

Clark, Frederick G., to Eastman Machine Co. Heating means for cloth drills. 2,973,421, 2–28–61, Cl. 219—19.

Clark, Frederick G., ½ to W. Stevenson. Magnetic tool holder. 3,007,504, 11–7–61, Cl. 145—50.

Clark, George C.: *See*—
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Clark, Gerald A., and C. B. Havens, to The Dow Chemical Co. Light stable polymeric compositions. 3,000,855, 9–19–61, Cl. 260—45.95.

Clark, Grady W., and R. A. Lefever, to Union Carbide Corp. Process for crystalline growth employing collimated electrical energy. 2,970,895, 2–7–61, Cl. 23—301.

Clark, Harold A., to Dow Corning Corp. Method of selectively coating surfaces. 3,002,848, 10–3–61, Cl. 117—10.

Clark, Harold H., to The Goodyear Tire & Rubber Co. Tire sidewall finishing machine and method. 2,986,849, 6–6–61, Cl. 51—5.

Clark, Harlan C.: *See*—
Panicci, Elio W., and Clark. 2,993,415.

Clark, Harry F., to General Motors Corp. Refrigerating apparatus. 2,997,857, 8–29–61, Cl. 62—208.

Clark, Harry S., Jr., 24% each to P. Fultz and W. H. F. Schmieding. Cutter for rotary lawnmower. 3,014,333, 12–26–61, Cl. 56—295.

Clark, Henry B. Fire door operating apparatus. 2,989,302, 6–20–61, Cl. 268—30.

Clark, Homer E., Jr., to Alcan Co., Inc. Base wad overlay. 2,973,711, 3–7–61, Cl. 102—42.

Clark, Homer E., Jr., to Alcan Co., Inc. Obturating wad. 2,986,998, 6–6–61, Cl. 102—42.

Clark, Howard P., and A. Adams, to International Minerals & Chemical Corp. Potash ore treatment. 2,968,525, 1–17–61, Cl. 23—38.

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Livermore, William T., Clark, and Drutchas. 3,009,420.
Livermore, William T., Clark, and Drutchas. 3,009,421.

Clark, Hubert M., and W. T. Livermore; said Clark assor. to Thompson Ramo Wooldridge Inc. Flow regulator. 2,981,067, 4–25–61, Cl. 60—52.

Clark, Ira T., and M. A. Millett. Process for preparing nitric acid esters of cellulose. 3,001,984, 9–26–61, Cl. 260—220.

Clark, Irwin, to Merck & Co., Inc. Use of vitamin D in preventing hypercalcuria resulting from adrenal cortical steroid administration. 2,967,801, 1–10–61, Cl. 167—77.

Clark, J. R., Co., The: *See*—
Munson, Donald J. 2,968,059.
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Clark, Jack G.: *See*—
Forsyth, James M., and Clark. 2,967,442.

Clark, James A.: *See*—
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Clark, James A., to American Viscose Corp. Process for producing gas-proof and gas-adsorbent materials and the articles so produced. 2,979,157, 4–11–61, Cl. 183—4.

Clark, James A., to Bausch & Lomb Inc. Slide projector. 3,011,398, 12–5–61, Cl. 88—28.

Clark, James A., to The Automatic Seriograph Corp. Automatic seriograph. 3,015,028, 12–26–61, Cl. 250—66.

Clark, James A., and J. O. Morrison. Device for gauging, metering or measuring liquids. 3,012,437, 12–12–61, Cl. 73—317.

Clark, James W., to United Aircraft Corp. Air-inlet shock controller. 2,971,330, 2–14–61, Cl. 60—35.6.

Clark, James W., to Lake Shore, Inc. Mine skip for inclines. 2,978,123, 4–4–61, Cl. 214—103.

Clark, Jared W., and A. E. Winslow, to Union Carbide Corp. Production of polymeric materials from polyoxyalkylene polyols and organic polyepoxy compounds. 2,990,396. 6–27–61, Cl. 260—47.

Clark, Jean H. Quarter wave limiter circuit. 2,979,677, 4–11–61, Cl. 333—35.

Clark, John E.: *See*—
Jennings, Ned L., Cantieri, and Clark. 2,972,502.

Clark, John F.: *See*—
Skopp, Gilbert H., and Clark. 2,996,046.

Clark, John M., to Curtiss-Wright Corp. Seat construction. 3,000,670, 9–19–61, Cl. 297—461.

Clark, John R., to Chance Vought Corp. Stabilizing means for aircraft. 2,999,657, 9–12–61, Cl. 244—91.

Clark, Joseph B., Jr., to Pan American Petroleum Corp. Fracturing well formations. 2,978,025, 4–4–61, Cl. 166—42.

Clark, Joseph C. Fishing reel. 2,984,432, 5–16–61, Cl. 242—84.51.

Clark, Joseph C. Fishing reel. 2,984,433, 5–16–61, Cl. 242—84.54.

Clark, Keith J.: *See*—
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Clark, Kendall, to Curtiss-Wright Corp. Adjustable nozzle for rocket. 2,978,866, 4–11–61, Cl. 60—35.6.

Clark, Kenneth G.: *See*—
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Clark, Leonard J., to The British Thomson-Houston Co. Ltd. Engine starting equipment. 2,989,873, 6–27–61, Cl. 74—365.

Clark, Leonard J., to The British Thomson-Houston Co. Ltd. Speed control of electric motor drives. 2,990,503, 6–27–61, Cl. 318—11.

Clark, Lynn R., to Bailey Meter Co. Pneumatic transmitter. 2,989,063, 6–20–61, Cl. 137—85.

Clark, Murl W.: *See*—
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Clark, Neil M., to Power Jets (Research & Development) Ltd. Turbine power plant. 3,008,296, 11–14–61, Cl. 60—102.

Clark, Oliver C., to Burlington Industries, Inc. Display package. 2,987,177, 6–6–61, Cl. 206—80.

Clark, Omer P., to Bell Telephone Laboratories, Inc. Transistor binary counter. 2,972,062, 2–14–61, Cl. 307—88.5.

Clark, Paul J., Sr. Equalizing shock absorber. 3,002,764, 10–3–61, Cl. 280—104.

Clark, Peter J.: *See*—
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Clark, Richard A.: *See*—
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Hammon, Henry G., Clark, and Uttley. 2,994,681.
Hammon, Henry G., Clark, and Uttley. 2,994,682.

Clark, Robert A.: *See*—
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Clark, Robert C.: *See*—
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Clark, Robert K., Jr., to Abbott Laboratories. New erythromycin esters. 2,967,129, 1–3–61, Cl. 167—65.

Clark, Robert L.: *See*—
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Clark, Robert W., to The National Cash Register Co. Logical element with shunt connected impedance changing switching means. 3,008,058, 11–7–61, Cl. 307—88.5.

Clark, Ronald A.: *See*—
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Clark, Roy D., ⅛ to D. R. Wilson and ⅛ to J. H. Payne. After-burner for internal combustion engine exhaust gases. 2,985,255, 5–23–61, Cl. 183—6.

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Clark, Sheldon L., and D. A. Fidler, to Olin Mathieson Chemical Corp. Preparation of monobromodecaborane. 3,010,783, 11–28–61, Cl. 23—14.

Clark, Thomas R. Volatile fuel flow control valve. 2,996,892, 8–22–61, Cl. 62—51.

Clark, Wallace G., Sr.: *See*—
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Clark, Walter L., to American Cyanamid Co. Strippable coatings. 3,000,748, 9–19–61, Cl. 106—180.

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Clark, William E. Belt hoop spinner. 2,999,333, 9–12–61, Cl. 46—47.

Clarke, Alfred G., to Orenda Engines Ltd. Nose bullet for gas turbine engines. 3,014,343, 12–26–61, Cl. 60—39.29.

Clarke, Allen S., to United States of America, Army. Wind driven generator. 2,990,776, 7–4–61, Cl. 102—70.2.

Clarke, Arthur F., Jr.: *See*—
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Clarke, Clifford W., to Otto Construction Corp. Purification of an aromatic-containing feed by solid adsorption followed by contact with molten alkali metal. 2,979,548, 4–11–61, Cl. 260—674.
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Clarke, Daniel J., and O. Oetliker, to The Stalker Corp. Bladed rotors for compressors, turbines and the like. 2,995,338, 8–8–61, Cl. 253—77.
Clarke, David W., and D. B. Hester, to The Procter & Gamble Co. Detergent compositions. 3,009,882, 11–21–61, Cl. 252—116.
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Clarke, Ford K., R. A. Maines, and J. W. Snyder, to Philco Corp. Tubulation tip-off apparatus. 2,986,846, 6–6–61, Cl. 49—57.
Clarke, George F., to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Pulse radar system for automatically tracking a selected moving target. 2,991,467, 7–4–61, Cl. 343—13.
Clarke, Gordon H. T., and D. R. Lander, to Imperial Chemical Industries Ltd. Mixing apparatus. 2,991,049, 7–4–61, Cl. 259—4.
Clarke, Herbert A., to United States of America, Navy. Regulated power supply systems. 3,001,082, 9–19–61, Cl. 307—19.
Clarke, Houghton W., 99% to Mealpack Corp. Rack. 2,978,109, 4–4–61, Cl. 211—13.
Clarke, Houghton W., and N. E. Wymbs. Method of storing prepared foods. 2,990,286, 6–27–61, Cl. 99—171.
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Clarke, James A., to The Dow Chemical Co. Calcination of magnesium chloride-ammonia complexes. 3,014,780, 12–26–61, Cl. 23—91.
Clarke, Jesse E., to Autoquip Corp. Lift mechanism or the like. 3,004,272, 10–17–61, Cl. 14—42.
Clarke, Jesse E., to Autoquip Corp. Automotive frame lift means. 3,004,630, 10–17–61, Cl. 187—8.75.
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Clarke, Jesse E., to Autoquip Corp. Sealing means for hydraulic rams or the like and method. 3,007,723, 11–7–61, Cl. 286—1.
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Clarke, Louis A., and G. W. Eckert, to Texaco Inc. Preparation of lubricating greases from unsaturated fatty acid materials. 3,000,823, 9–19–61, Cl. 252—35.
Clarke, Louis A., C. G. Ludeman, and H. V. Atwell, to Texaco Inc. Hydrocarbon conversion process. 3,010,813, 11–28–61, Cl. 48—215.
Clarke, Norman D., R. A. Jeffreys, and D. G. Saunders, to Eastman Kodak Co. Tetramethylolcyclohexanol treatment to prevent popping and fading of transparencies and fading of color prints. 2,983,607, 5–9–61, Cl. 96—55.
Clarke, Norman D., and R. A. Jeffreys, to Eastman Kodak Co. Prevention of popping of transparencies. 2,992,130, 7–11–61, Cl. 117—63.
Clarke, Ray A., to E. I. du Pont de Nemours and Co. Stabilization of zinc ferricyanide. 2,978,345, 4–4–61, Cl. 106—193.
Clarke, Ray A., to E. I. du Pont de Nemours and Co. Production of triarylmethane colors. 2,978,352, 4–4–61, Cl. 117—36.
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Clarkson, Alick. Flight control means for aircraft. 3,006,580, 10–31–61, Cl. 244—78.
Clarkson, Alick. Pitch attitude stabilizing system for aircraft. 3,012,741, 12–12–61, Cl. 244—78.
Clarkson, Alick, and D. W. Miller, to Vapor Heating Corp. Water tube boiler or steam generator. 2,998,807, 9–5–61, Cl. 122—249.
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Koutnik, Rodrick J. 2,982,294.
McKenney, John D. 2,986,004.
Nessel, Jiri M. 2,978,602.
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Powell, Ralph R. 2,997,703.
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Clason, George F., to Scovill Mfg. Co. Apparatus for heat-sealing of zippers in plastic footwear. 2,983,932, 5–16–61, Cl. 12—1.
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Clauson, Frank A., to Texaco Inc. Alkylation process. 3,007,983, 11–7–61, Cl. 260—683.46.
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Clauson, Frank A., to Texaco Inc. Apparatus for the maintenance of liquefied petroleum products. 3,011,821, 12–5–61, Cl. 62—45.
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Clave, Serge and M. 3,013,471.
Clave, Serge and M. Periscope. 3,018,471, 12–19–61, Cl. 88—68.
Clavier, Alain C. A., and J. Pouradier, to Eastman Kodak Co. Thermo-reversible gels and photographic emulsions prepared therewith. 2,968,558, 1–17–61, Cl. 96—114.
Clawson, Floyd J., and W. O. McClintock, to International Minerals & Chemical Corp. Method of treating ores. 3,008,574, 11–14–61, Cl. 209—12.
Clawson, Floyd J., and W. O. McClintock, to International Minerals & Chemical Corp. Method and apparatus for deliming phosphate matrix. 3,008,575, 11–14–61, Cl. 209—12.
Clawson, George T., to United States of America, Air Force. Universal work holder. 2,994,526, 8–1–61, Cl. 269—191.
Claxton, George P.: *See*—
Fallon, Frances G., Roberts, and Claxton. 2,991,287.
Clay, Burton R., to Radio Corporation of America. Electron beam controlling apparatus. 2,972,073, 2–14–61, Cl. 313—77.

Clay, Burton R., to Radio Corp. of America. Beam convergence apparatus for tri-color kinescope. 3,002,120, 9–26–61, Cl. 313—77.
Clay, Burton R., and C. E. Small, to Radio Corp. of America. Static convergence magnet for tri-color kinescope. 2,975,314, 3–14–61, Cl. 313—77.
Clay Equipment Corp.: *See*—
Letson, Clarence. 3,001,410.
Clay, Everett C., to International Business Machines Corp. Typewriter tape punch. 3,014,644, 12–26–61, Cl. 234—23.
Clay, Franklin B., Jr., J. F. Kenney, M. J. Kidder, and R. H. Vandenberg, to Remington Arms Co., Inc. Coating process and coating promoter compounds for bullets. 2,999,767, 9–12–61, Cl. 117—109.
Clay, Franklin B., Jr., and R. A. Sahlin, to United States of America, Army. Ammunition for electrically fired weapons. 3,009,419, 11–21–61, Cl. 102—46.
Clay, George, to S. Smith & Sons (England) Ltd. Alarm setting mechanism for alarm clocks. 3,014,338, 12–26–61, Cl. 58—22.
Clay, Harris A., to Phillips Petroleum Co. Purification and drying of liquids. 2,994,644, 8–1–61, Cl. 202—40.
Clay, Harris A., to Phillips Petroleum Co. Separation of butene-1 from butadiene and acetylenes. 3,013,952, 12–19–61, Cl. 202—39.5.
Clayborne, Norman F., to Pullman Inc. Aligning device. 3,012,469, 12–12–61, Cl. 88—14.
Claybourn, Carlton C., to Miehle-Goss-Dexter, Inc. Vacuum slow down device for sheet delivery mechanism. 2,969,980, 1–31–61, Cl. 271—68.
Clayden, David O.: *See*—
Newman, Edward A., and Clayden. 2,978,175.
Claydon, Roy, to The General Electric Co. Ltd. Manufacture of thermoelectric devices. 2,980,746, 4–18–61, Cl. 136—4.
Claypole, George: *See*—
Peet, John R., Claypole, Fink, and Loser. 2,972,873.
Claypool, Harry W., to Westinghouse Electric Corp. Voltage regulator circuit. 2,997,622, 8–22–61, Cl. 315—27.
Clay-Smith, Laurence A.: *See*—
Young, David H., and Clay-Smith. 2,981,275.
Clayton Aniline Co. Ltd., The: *See*—
Nicklin, Thomas, Sommerville, Brunner, and Isherwood. 2,997,439.
Clayton, Benjamin: *See*—
Thurman, Benjamin H. 2,968,559.
Thurman, Benjamin H. 2,970,910.
Clayton, Benjamin. Process of producing feed products. 2,991,178, 7–4–61, Cl. 99—2.
Clayton, David P., to General Motors Corp. Lamp socket. 2,979,687, 4–11–61, Cl. 339—101.
Clayton, David P., to General Motors Corp. Lamp having lens-operated switch. 2,996,608, 8–15–61, Cl. 240—7.35.
Clayton, Franklin D. Gravel washer. 3,014,315, 12–26–61, Cl. 51—164.
Clayton, Howard F., Jr.: *See*—
Clayton, William R. and H. F., and Oliver. 3,004,570.
Clayton, James O., to California Research Corp. Process for preparing phosphorus compounds. 3,002,015, 9–26–61, Cl. 260—461.
Clayton, James O., and W. Lowe, to California Research Corp. Silver non-corrosive lubricants. 2,975,131, 3–14–61, Cl. 252—32.7.
Clayton, John, Jr.: *See*—
Bartell, William W., Ayoub, Houghton, and Clayton. 2,974,300.
Clayton, John, Jr., to Waters Mfg., Inc. Potentiometer. 3,0007,127, 10–31–61, Cl. 338—174.
Clayton Mfg. Co.: *See*—
Arant, Perry. 2,987,053.
Clayton, Robert E.: *See*—
Hawley, Roger S., and Clayton. 2,992,670.
Clayton, Robert E., J. R. Briggs, and F. P. Baldwin, to Esso Research and Engineering Co. Vulcanizing brominated copolymers. 3,004,007, 10–10–61, Cl. 260—79.5.
Clayton, William R., H. F. Clayton, Jr., and E. L. Oliver, Jr. Tree-cutting attachment for tractors and the like. 3,004,570, 10–17–61, Cl. 144—34.
Clearman, Jack F., to Whirlpool Corp. Laundry machine pump. 2,969,739, 1–31–61, Cl. 103—3.
Clearman, Jack F., to Whirlpool Corp. Laundry machine utilizing a pump with flow reversing means. 2,974,513, 3–14–61, Cl. 68—12.
Cleary, Joseph F., and H. R. Guarino, to Avco Mfg. Corp. Variable capacitor. 2,982,896, 5–2–61, Cl. 317—249.
Cleary, Robert J., to A. R. Wood Mfg. Co. Automatic water softening device. 2,997,177, 8–22–61, Cl. 210—140.
Cleary, Robert T., to Automatic Electric Laboratories, Inc. Slow acting relay-transistor combination. 2,975,337, 3–14–61, Cl. 317—142.
Cleary, Thomas R.: *See*—
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Cleaveland, Wesley C., to Vandale Corp. Automatic feeding apparatus. 2,981,402, 4–25–61, Cl. 198—213.
Cleaver-Brooks Co.: *See*—
Grobecker, Hugo H. 2,969,000.
Cleaver, David H. Catalyst manufacture. 2,982,741, 5–2–61, Cl. 252—466.
Cleek, Charles L. Morse code hand signaling devices. 3,001,185, 9–19–61, Cl. 340—366.
Clegg, Bernard W. Side door swivel rope socket. 2,995,791, 8–15–61, Cl. 24—123.
Clegg, Douglas. Sampler device. 2,966,800, 1–3–61, Cl. 73—422.
Clegg, Richard R.: *See*—
Pilkington, Norman, Tomlinson, and Clegg. 2,989,795.
Clejan, Deodat, to General American Transportation Corp. Landing gear for semi-trailer trucks. 2,991,731, 7–11–61, Cl. 105—368.
Clejan, Deodat, to General American Transportation Corp. Railway cars for transporting freight carriers. 2,996,021, 8–15–61, Cl. 105—368.
Clejan, Deodat, to General American Transportation Corp. Railway cars for transporting road semi-trailers. 3,003,434, 10–10–61, Cl. 105—368.
Clelland, James L., to Mechanical Industries Production Co. Method of reducing arcing in sealed electrical controls and articles produced thereby. 3,012,122, 12–5–61, Cl. 200—138.
Clem, Arthur G., to American Colloid Co. Organophilic mineral compositions. 2,971,922, 2–14–61, Cl. 252—316.
Clem, Arthur G., to American Colloid Co. Foundry mold composition. 2,988,525, 6–13–61, Cl. 260—25.
Clem, Everett W., to Rice Barton Corp. Windup roll drive. 3,000,584, 9–19–61, Cl. 242—66.
Clemco Aero Products, Inc.: *See*—
Chace, Richard A. 2,997,985.
Ottoson, Raymond H. 3,003,473.
Clemens, August, Jr., to Air Reduction Co., Inc. Arc welding electrode. 2,990,301, 6–27–61, Cl. 117—207.
Clemens, John A., to Davol Rubber Co. Nipple construction. 2,977,013, 3–28–61, Cl. 215—11.
Clemens, John E., to United States of America, Air Force. Optical comparator and range finder. 2,972,924, 2–28–61, Cl. 88—1.
Clemens, John E., H. W. Dean, E. R. Thomas, and W. S. Touchman, to A. Kimball Co. Portable record sensing and recording apparatus. 2,980,319, 4–18–61, Cl. 234—30.
Clemens, John E., and B. B. Johnstone. High speed printer. 3,012,239, 12–5–61, Cl. 340—324.
Clemens, Ludwig. Stuffing material for packing purposes, and process and device for the manufacture thereof. 2,978,006, 4–4–61, Cl. 154—32.
Clemens, Ludwig. Machine for the manufacture of superposed layers of fibrous materials. 3,008,662, 11–14–61, Cl. 242—67.1.
Clemens, Paul F. Dual cigarette pack. 3,007,623, 11–7–61, Cl. 229—27.
Clement, Jean, to Solvay & Cie. Process for purifying aqueous solutions by removing heavy metals, more particularly from brines intended for electrolysis. 2,982,608, 5–2–61, Cl. 23—89.
Clement, Jean, to Solvay & Cie. Preparation of electrodes for electrolysis of aqueous solutions by the mercury process. 3,002,914, 10–3–61, Cl. 204—219.
Clement, Milton A., to General Dynamics Corp. Method and apparatus for controlling trunk recorder playback. 2,976,364, 3–21–61, Cl. 179—7.1.
Clement, Milton A., and B. A. Harris, to General Dynamics Corp. Automatic toll ticketing system. 3,003,035, 10–3–61, Cl. 179—7.1.
Clement, Rene, and B. Tristan, to Compagnie Generale de Telegraphie Sans Fil. Ceramic dielectric substances of high dielectric constant and low temperature coefficient. 2,992,929, 7–18–61, Cl. 106—39.
Clement, Warren F., to Sperry Rand Corp. Two stage valve. 2,998,804, 9–5–61, Cl. 121—41.
Clementi, Robert J., and F. Dersch, to General Aniline & Film Corp. Photographic materials and method of producing the same. 3,008,829, 11–14–61, Cl. 96—66.
Clements, Ben. Golf club head. 3,003,768, 10–10–61, Cl. 273—175.
Clements, Charles A. Liquid cooling and dispensing system. 2,998,164, 8–29–61, Cl. 222—146.
Clements, Clarence J., Jr., to ACF Industries, Inc. Brake operating system. 2,986,428, 5–30–61, Cl. 303—49.
Clements, Herbert A.: *See*—
Sinclair, Harold, and Clements. 2,986,249.
Clements, John A., and L. Stallwood, to General Motors Corp. Automatic steering device. 2,978,056, 4–4–61, Cl. 180—79.2.
Clements, Warner W. Electromagnetic device. 2,972,091, 2–14–61, Cl. 317—190.
Clements, Warner W. Sound reproducing means. 3,014,096, 12–19–61, Cl. 179—1.
Clemetsen, Erling A. and J. A. Step tread. 2,983,358, 5–9–61, Cl. 198—16.
Clemetsen, John A.: *See*—
Clemetsen, Erling A. and J. A. 2,983,358.
Cleminshaw, Douglas R.: *See*—
Knapp, George A., Pulos, and Cleminshaw. 3,005,193.
Cleminshaw, William T.: *See*—
Webster, William G., Cleminshaw, and Barricklow. 3,013,732.
Clemm, Peter J., to General Electric Co. High strength alloy for use at elevated temperatures. 2,983,603, 5–9–61, Cl. 75—171.
Clemons, Dale R., to Western Electric Co., Inc. Machine for center-winding capacitors. 2,968,450, 1–17–61, Cl. 242—67.1.
Clemons, Maurice M.: *See*—
Sehn, Francis J., and Clemons. 2,979,186.
Sehn, Francis J., and Clemons. 3,002,749.
Clendening, Francis J., Jr., to E. I. du Pont de Nemours and Co. Process for handling fabric. 2,971,241, 2–14–61, Cl. 26—1.
Clendening, Francis J., Jr., to E. I. du Pont de Nemours and Co. Singeing apparatus. 2,978,783, 4–11–61, Cl. 26—6.

Clerc, Milton C., to Texas Instruments Inc. Apparatus for winding a coil on a closed core. 2,985,392, 5–23–61, Cl. 242—9.
Clermont Machine Co., Inc.: *See*—
Surico, Carmine. 2,978,157.
Cleveland Automatic Machine Co., The: *See*—
Beaman, Norman V. 2,996,036.
Cleveland, Charles P. Outboard motor lock. 2,992,551, 7–18–61, Cl. 70—58.
Cleveland Cleaner & Paste Co.: *See*—
Gilbert, Grant S. 2,997,788.
Cleveland-Cliffs Iron Co., The: *See*—
Erck, Louis J., and Ban. 3,005,699.
Cleveland Crane & Engineering Co., The: *See*—
Cotesworth, Harry A. 2,985,113.
Gorjanc, Henry A., and Wakkila. 2,996,017.
Schultz, Alfred W. 2,981,391.
Cleveland Electro Metals Co.: *See*—
Brown, Robert G. 2,978,765.
Cleveland, Eric G., and A.D. Standley, Jr., to Delta Engineering Corp. Apparatus for counting and packaging articles. Re. 25,013, 7–25–61, Cl. 53—61.
Cleveland, Jack C.: *See*—
Ludwick, Herbert V., and Cleveland. 2,988,094.
Cleveland, James L. Apparatus for maintaining proper depth correlation in well logging apparatus. 3,001,396, 9–26–61, Cl. 73—152.
Cleveland Pneumatic Industries, Inc.: *See*—
Cash, David J. 2,988,936.
Gail, William A. 2,992,816.
Hamilton, Wallace, and J. Lovell. 2,968,410.
Hartel, Erwin H. 2,968,478.
Hartel, Erwin H. 2,972,898.
Hartel, Erwin H. 2,973,168.
Hogan, Walter H. 2,986,165.
Hrusch, Louis C. 2,974,906.
Jensen, Harvey W., and Hartel. 2,984,437.
Smith, Ira D. 2,968,455.
Smith, Ira D. 2,985,443.
Smith, Ira D. 3,012,769.
Stanwick, Tad, Hamilton, and Hannigan. 2,973,174.
Westcott, William B., Jr. 2,984,478.
Westcott, William B., Jr. 2,997,261.
Westcott, William B., Jr. 3,012,403.
Cleveland, Raymond L.: *See*—
Wayne, Charles J., Edkins, and Cleveland. 2,968,920.
Cleveland Trencher Co., The: *See*—
Askue, Albert R. 2,981,013.
Askue, Albert R. 2,995,844.
Askue, Albert R. 2,996,168.
Meyer, Henry L. 2,981,012.
Raymond, David L., and Hoover. 2,979,838.
Cleveland Trust Co., The: *See*—
Frohlich, Adolf. 2,987,769.
Fröhlich, Adolf, and Harris. 2,970,342.
Frohlich, Adolf, and Harris. 2,979,123.
Frohlich, Adolf, and Harris. 2,981,310.
Frohlich, Adolf, and Harris. 2,988,131.
Frohlich, Adolf H., and Harris. 2,988,121.
Wagner, William A. 3,010,345.
Clevenger, Glenn W., to The Bendix Corp. I.F. amplifier with electronically controllable band-pass. 2,971,161, 2–7–61, Cl. 330—85.
Clever Things Inc.: *See*—
Keller, John R., and Kelly. 2,978,696.
Clever, William R., and H. O. Phalin, to Pittsburgh Plate Glass Co. Method of and apparatus for striping glass. 2,999,036, 9–5–61, Cl. 117—43.
Cleverdon, William H. Methods for vaporizing and combusting volatile lower hydrocarbons. 2,989,118, 6–20–61, Cl. 158—117.5.
Clevett, Merton L., Jr., to Laconia Malleable Iron Co., Inc. Base ring foundation. 2,986,242, 5–30–61, Cl. 189—34.
Clevett, Merton L., Jr., to United States of America, Army. Angular stake and adjustable collar. 3,001,617, 9–26–61, Cl. 189—90.
Clevett, Merton L., Jr., to Laconia Malleable Iron Co., Inc. Foundation for portable structures. 3,008,557, 11–14–61, Cl. 189—90.
Clevite Corp.: *See*—
Abrams, Bernard W. 2,997,972.
Abrams, Bernard W. 3,004,507.
Axon, Peter E. 2,991,921.
Axon, Peter E., and Henocq. 2,991,950.
Axon, Peter E., Henocq and Ireland. 3,001,733.
Begun, Semi J., and Dank. 2,990,092.
Begun, Semi J., and Dank. 3,012,223.
Davies, Gail F. 2,997,777.
De Bernardi, Robert E., and Moore. 2,983,633.
Gravley, Charles K. 2,972,176.
Hufferd, George H., Vail, and Josephson. 3,009,975.
Jaffe, Hans, and Berlincourt. 2,969,512.
Knau, Horst W. 3,012,316.
Kornel, Otto. 2,991,511.
Kornel, Otto. 3,004,325.
Kulcsar, Frank. 3,006,857.
Noyce, Robert N. 2,968,750.
Noyce, Robert N. 3,010,033.
Parkinson, David B., Roberts, Haner, and Lepley. 2,990,535.
Pomerantz, Daniel I. 2,998,534.
Roberts, Cornelius S. 2,984,549.
Clevite Corp.: *See*—Continued
Rosenthal, Felix, Roberts, and Krejci. 2,969,827.
Schaefer, Ralph A. 3,004,333.
Smith, Graydon. 2,981,909.
Smith, Graydon. 2,986,714.
Smith, Graydon. 2,989,711.
Smith, Graydon. 3,003,128.
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Sellers, John P., Jr. 2,979,353.
Clewes, Antony B., to United-Carr Fastener Corp. Tube socket for printed circuit panel. 2,979,688, 4–11–61, Cl. 339—194.
Clewlow, Geoffrey G.: *See*—
Strong, Edward W., Pappas, Losey, and Clewlow. 2,980,186.
Cliborn, Robert, to Thompson Ramo Wooldridge Inc. Integral turbine-generator unit. 2,984,751, 5–16–61, Cl. 290—52.
Clickner, Earle D., to Shakespeare Co. Fishing reel and gearing. 2,974,534, 3–14–61, Cl. 74—22.
Clickner, Earle D., to Shakespeare Co. Method of making gearing. 2,974,570, 3–14–61, Cl. 90—9.
Clifford, Burton K., to Union Bag-Camp Paper Corp. Ventilated honeycomb. 2,980,573, 4–18–61, Cl. 154—118.
Clifford, Cecil F., to Horstmann Clifford Magnetics Ltd. Frequency controlling and regulating means for mechanical oscillators. 2,973,619, 3–7–61, Cl. 58—116.
Clifford, Cecil F. Electro-mechanical devices. 2,986,686, 5–30–61, Cl. 318—254.
Clifford, Cecil F. Electro-mechanical oscillators. 2,994,022, 7–25–61, Cl. 318—132.
Clifford, Cecil F. Electro-mechanical oscillators. 3,011,111, 11–28–61, Cl. 318—128.
Clifford, David G.: *See*—
Abler, Robert A., Becker, and Clifford. 2,999,448.
Clifford, John E., J. McCallum, and D. E. Semones, to Remington Arms Co., Inc. Acid primary cells. 2,992,143, 7–11–61, Cl. 136—154.
Clifford Machine Tools Ltd.: *See*—
Summers, Harold W. 3,011,290.
Clifford, Robert A.: *See*—
Agron, Albert, and Clifford. 2,988,726.
Clifford, Thomas W., and J. R. Adams. Control devices for optical objectives of variable focal length. 2,988,974, 6–20–61, Cl. 95—44.
Clifford, Vernon F., S. A. Cottler, and G. A. Deschamps, to International Telephone and Telegraph Corp. Wideband folded monopole antenna. 2,971,192, 2–7–61, Cl. 343—749.
Clift, Therlis L., to The Standard Oil Co. Tube-retaining bracket. 2,975,998, 3–21–61, Cl. 248—68.
Clifton, Chester C., to Mighty Mover Corp. Straddle trailer. 2,982,430, 5–2–61, Cl. 214—392.
Clifton, John R., to Air Logistics Corp. Apparatus for moving aircraft and other wheeled structures on the ground. 2,987,133, 6–6–61, Cl. 180—14.
Clifton, John R., Sr., and A. D. Nolan, to Air Logistics Corp. Motor vehicle for moving aircraft on the ground. 2,997,121, 8–22–61, Cl. 180—12.
Clifton, Raymond G.: *See*—
Wells, William N., and Clifton. 2,988,126.
Clifton, Richard N.: *See*—
Raehrs, Emery C., and Clifton. 2,998,634.
Clinch, Raymond G. Apparatus for use in making shoes. 2,977,609, 4–4–61, Cl. 12—37.
Clinchy, Raymond C., J. F. Stone, and C. E. Ernst, to Johns-Manville Corp. Spring closure for cylindrical pipe insulation. 3,014,827, 12–26–61, Cl. 154—44.
Cline, Carl F., to The Carborundum Co. Carbide-bonded graphite bodies and method of making the same. 3,007,805, 11–7–61, Cl. 106—44.
Cline, Charles D., to Koehring Co. Feedback mechanism for servo control of hydraulic press. 2,984,217, 5–16–61, Cl. 121—41.
Cline, Earl E., to Ernest Holmes Co. Self-locking drive. 2,995,225, 8–8–61, Cl. 192—8.
Cline, Frederick B., and W. W. Walker. Vehicle attachment. 3,008,251, 11–14–61, Cl. 37—143.
Cline, Robert C., R. G. Rose, and C. L. Wiands, to F. L. Russell Corp. Easel forming binder. 2,979,343, 4–11–61, Cl. 281—33.
Cline, Robert H. Method of forming roll. 2,987,430, 6–6–61, Cl. 154—117.
Clingenpeel, William R., to The Electric Auto-Lite Co. Water-proof vent seal for batteries. 2,972,001, 2–14–61, Cl. 136—170.
Clinton Engines Corp.: *See*—
Doman, David T., and McNulty. 2,982,275.
Glenday, Martin J., and O'Connor. 2,982,805.
Kawecki, Eugene. 2,990,827.
Clinton Industries, Inc.: *See*—
Cohen, Saul M. 2,967,499.
Clippinger, Everett, to California Research Corp. Synthetic detergent bar. 3,001,948, 9–26–61, Cl. 252—152.
Clips & Clamps, Inc.: *See*—
Lander, Richard W. 2,992,801.
Clix Fastener Corp.: *See*—
Perrella, Guido. 2,983,468.
Clock, Gerald E., W. E. F. Rupprecht, and I. J. Cummings, to The Dow Chemical Co. Process for patching and repairing surface defects in plywood and the like and the articles resulting therefrom. 3,011,903, 12–5–61, Cl. 117—2.
Clock, Virgil J.: *See*—
Jensen, Thormod, and Clock. 2,991,823.

Cloninger, Lamar C., and F. M. Arnesen, to The Dow Chemical Co. Method for improving the dyeability of fiber-forming cellulose esters. 3,006,830, 10–31–61, Cl. 204—154.
Clore, William R., to Industrial Nucleonics Corp. Cylindrical products terminator. 3,007,498, 11–7–61, Cl. 140—71.
Close, Charles F., to Arlington Seating Co. Article of furniture. 2,973,807, 3–7–61, Cl. 155—194.
Close, Charles F., to Arlington Seating Co. Chairs. 2,981,319, 4–25–61, Cl. 155—194.
Close, Charles F., to Arlington Seating Co. Arm chair. 2,986,203, 5–30–61, Cl. 155—194.
Close, Charles F., to Arlington Seating Co. Chairs. 2,992,833, 7–18–61, Cl. 297—118.
Close, Lloyd E. Receptacle holder. 3,013,759, 12–19–61, Cl. 248—221.
Close, Richard N., to United States of America, Air Force. Electronic switch for use in a sweep recovery circuit. 2,994,824, 8–1–61, Cl. 328—81.
Close, Warren J., to Abbott Laboratories. α-cyclopropylbenzylurea. 3,000,938, 9–19–61, Cl. 260—553.
Closs, George M., and P. F. Dougherty, to Sun Oil Co. Underground storage of hydrocarbons. 2,991,624, 7–11–61, Cl. 61—5.
Closson, Rex D., A. J. Kolka, and W. B. Ligett, to Ethyl Corp. Chemical compositions from the class consisting of 1,4-diethyltetralin and 1,1,4-triethyltetralin. 3,004,080, 10–10–61, Cl. 260—666.
Closson, Rex D., and T. H. Coffield, to Ethyl Corp. Aryl manganese carbonyl compounds and process. 3,007,953, 11–7–61, Cl. 260—429.
Clotfelter, Robert E., to Chicago Bridge & Iron Co. Cladding assembly. 2,984,900, 5–23–61, Cl. 29—471.5.
Cloud, Charles E., to W. S. Cloud. Packaging with variations of package length. 2,976,657, 3–28–61, Cl. 53—75.
Cloud, Charles E. and W. S.; said C. E. Cloud assor. to said W. S. Cloud. Method and apparatus for applying nuts to candy. 2,967,493, 1–10–61, Cl. 107—1.
Cloud, William S.: *See*—
Cloud, Charles E. 2,976,657.
Cloud, Charles E. and W. S. 2,967,493.
Clough, Newsome H., and M. Wielobob, to Marconi's Wireless Telegraph Co. Ltd. Aerial systems. 2,985,876, 5–23–61, Cl. 343—124.
Clough, Philip J.: *See*—
Baer, Charles A., Bugbee, Candidus, and Clough. 2,971,862.
Baer, Charles A., Clough, and Gardner. 2,983,249.
Baer, Charles A., Clough, and Patton. 3,012,904.
Clough, Robert C., J. F. Stoltz, and R. O. Wondra, to Western Electric Co., Inc. Apparatus for sorting and feeding articles. 3,008,578, 11–14–61, Cl. 209—88.
Clouthier, Robert G.: *See*—
Arter, William, Jr., and Clouthier. 2,986,812.
Clouthier, Robert G. Electronic data processing machine control panel and electrical contact therefor. 3,002,170, 9–26–61, Cl. 339—18.
Cloutier, Eugene F., and S. A. Petersen, to Celanese Corp. of America. Processing tow. 2,978,752, 4–11–61, Cl. 19—65.
Cloutier, Frederick J., and V. Milewski, to The Valeron Corp. Tool mounting for boring bar. 2,998,736, 9–5–61, Cl. 77—58.
Cloverdale Plywood Co.: *See*—
Rothrock, Clarence L. 3,000,410.
Cluett, Peabody, & Co., Inc.: *See*—
Pfeffer, Edward C., Jr. 3,006,801.
Pfeffer, Edward C., Jr. 3,006,802.
Pfeffer, Edward C., Jr., and McFalls. 2,975,428.
Clumpner, Neil A.: *See*—
Scofield, Donald H., and Clumpner. 2,994,734.
Clune, John W., H. W. Brunk, and W. Murray. Receptacle case. 3,005,568, 10–24–61, Cl. 220—21.
Clupak, Inc.: *See*—
Welsh, Hewitt S., and Balough. 3,011,545.
Clure, Claremont F. Transparent shield for gate valve stems. 2,973,774, 3–7–61, Cl. 137—382.
Clurman, Stanley P. Magnetic accelerometer. 2,979,959, 4–18–61, Cl. 73—516.
Clute Corp., The: *See*—
Clute, Francis H. 2,968,400.
Clute, Francis H. 3,006,472.
Clute, Francis H., to The Clute Corp. Material collector. 2,968,400, 1–17–61, Cl. 209—143.
Clute, Francis H., to The Clute Corp. Magnetic separator and method of separating materials. 3,006,472. 10–31–61. Cl. 209—214.
Clutter, Arthur E. Barricade. 2,997,978, 8–29–61, Cl. 116—63.
Cluwen, Johannes M., to North American Philips Co., Inc. Device for reading out the state of a trigger. 2,986,656, 5–30–61, Cl. 307—88.5.
Cluwen, Johannes M., to North American Philips Co., Inc. Rotary system driven by electrical energy. 2,986,684, 5–30–61, Cl. 318—138.
Cluwen, Johannes M., to North American Philips Co., Inc. Rotary system driven by electrical energy. 2,995,692, 8–8–61, Cl. 318—254.
Clyde Batteries Pty. Ltd.: *See*—
Heap, Alan R. 2,978,528.
Clyde, Lancelot H. R., W. F. Hodge, and H. H. Longman, to Unilever Ltd. Summarizing or totalizing machines. 2,973,144 2–28–61. Cl. 235—91.
Clymer, Joseph D.: *See*—
Wright, George W., and Clymer. 2,969,741.
Clymer, Joseph D., to Tokheim Corp. Siphon priming apparatus. 3,010,470, 11–28–61, Cl. 137—144.
Clyne, Joseph, to Napette Sanitary Napkin Holder, Inc. Sanitary napkin holders and holder units. 2,977,957, 4–4–61, Cl. 128—291.
Coad, George L. Heat pump defrosting unit. 3,003,330, 10–10–61, Cl. 62—140.
Coady, Michael G., and W. C. Kohnlo, Jr., to Merck & Co., Inc. Apparatus for applying closures to containers. 2,976,898, 3–28–61, Cl. 141—346.
Coahoma Chemical Co., Inc.: *See*—
Baker, Warren A. 2,985,201.
Coakley, Alfred J. Stencil device. 3,011,433, 12–5–61, Cl. 101—127.
Coal Industry (Patents) Ltd.: *See*—
Davies, Maynard J. 3,014,707.
Gregory, Harry R. 2,966,699.
Coales, John F., and A. R. M. Noton, to National Research Development Corp. On-off control systems with fast time scale computer. 2,983,859, 5–9–61, Cl. 318—448.
Coan, Edward M., to Vitro Corp. of America. Low friction bearing. 2,983,556, 5–9–61, Cl. 308—183.
Coanda, Henri, to Sebac Nouvelel S.A. Spraying device. 2,988,139, 6–13–61, Cl. 158—28.
Coanda, Henri, to Sebac Nouvelle S.A. Jet sustained aircraft. 2,988,303. 6–13–61, Cl. 244—23.
Coanda, Henri, M. Ribeyrolles, nee Gantillon, and M. Garnier, to Sebac Nouvelle S.A. Jet exhauster. 2,990,103, 6–27–61, Cl. 230—95.
Coast Metals, Inc.: *See*—
Cape, Arthur T. 3,012,881.
Cape, Arthur T. 3,012,903.
Coast Paint and Lacquer Co.: *See*—
Meigs, Archibald V. 2,980,601.
Coast Pro-Seal & Mfg. Co.: *See*—
Snow, Floyd E., and York. 2,979,237.
Coate, Ralph S., and S. Koren, to Radio Corp. of America. Television test apparatus. 2,978,540, 4–4–61, Cl. 178—7.5.
Coate, William C. E., to The Lodge & Shipley Co. Presses. 3,009,495, 11–21–61, Cl. 144—281.
Coates Board & Carton Co., Inc.: *See*—
Thompson, Joseph. 2,973,086.
Coates, Donald H., to Chisholm, Fox & Garner Ltd. Pick-up grabs for filled sacks. 2,967,632, 1–10–61, Cl. 214—147.
Coates, Harold, to Albright & Wilson Ltd. Flame proofing agents derived from methylol phosphorus polymers. 2,983,623, 5–9–61. Cl. 117—62.
Coates, William M.: *See*—
Feldkamp, Rolland F., Coates, and Corrigan. 3,006,925.
Coats & Clark Inc.: *See*—
Eckhardt, George R. 2,985,405.
Morin, Louis H. 2,968,908.
Morin, Louis H. 2,969,029.
Morin, Louis H. 2,973,556.
Morin, Louis H. 2,978,202.
Morin, Louis H. 2,979,796.
Morin, Louis H. 2,999,276.
Morin, Louis H. 3,001,905.
Morin, Louis H. 3,014,245.
Morin, Louis H., and Gries. 2,968,821.
Coats Co.: *See*—
Foster, James R. 3,003,544.
Foster, James R. 3,008,512.
Coats, Robert R.: *See*—
Caverhill, Alan R., Coats, and Isaacs. 3,012,066.
Cobb, Alfred E., and C. Alexoff. Apparatus for tracking moving targets. 2,992,585, 7–18–61, Cl. 88—1.
Cobb, Clifton A.: *See*—
Jones, John P., Cobb, and Williams. 3,000,108.
Cobb, Clifton A., and H. H. Morris, to Whirlpool Corp. Lint remover for clothes drier. 2,996,810, 8–22–61, Cl. 34—82.
Cobb, Clifton A., and J. T. Williams, to Whirlpool Corp. Multiple circuit control switch. 2,997,554, 8–22–61, Cl. 200—38.
Cobb, Joseph R., Jr.: *See*—
Koble, Robert A., and Cobb. 2,974,180.
Cobb, Joseph R., Jr., to Phillips Petroleum Co. Olefin recovery process. 2,970,177, 1–31–61. Cl. 260—677.
Cobb, Leland D., to General Motors Corp. Antifriction bearing and method of operation. 2,977,161, 3–28–61, Cl. 308—187.
Cobb, Leland D., to General Motors Corp. One way clutch. 2,987,154, 6–6–61, Cl. 192—45.2.
Cobb, Marvin E. Transmission mechanism. 3,008,341, 11–14–61, Cl. 74—472.
Cobb, Raymond L.: *See*—
Cantrel, Kenneth E., and Cobb. 3,012,934.
Simpson, Billy D., Schnitzer, and Cobb. 3,007,931.
Cobb, Richard O.: *See*—
Durand, Robert D., Driscoll, and Cobb. 2,994,074.
Cobb, Russell A. Mechanical coding device. 3,003,269, 10–10–61. Cl. 40—70.
Cobb, Wilburn D. Spinning toy. 2,991,586, 7–11–61, Cl. 46—63.
Cobb, William R., and J. K. Nelson, to Westinghouse Electric Corp. Refrigerated water dispenser. 2,982,114, 5–2–61, Cl. 62—338.
Cobble Brothers Machinery Co., Inc.: *See*—
Card, Joseph L. 2,966,866.
Cobble, James A., Jr.: *See*—
Cobble, James A., Sr., and J. A., Jr. 2,977,905.

Cobble, James A., Sr., and J. A., Jr. Tufting machine. 2,977,905, 4–4–61, Cl. 112—79.
Cobbold, Richard S. C., to Her Majesty the Queen in the right of Canada, as represented by the Minister of National Defence. Magnetic core memory. 2,995,733, 8–8–61, Cl. 340—174.
Cobel, George B.: *See*—
Blue, Robert D., and Cobel. 2,983,600.
Coberly, Clarence J., to Wulff Process Co. Process of and apparatus for producing acetylene and ethylene. 2,967,205, 1–3–61, Cl. 260—679.
Coberly, Clarence J., to Kobe, Inc. Pressure pulsation frequency indicator. 2,969,676, 1–31–61, Cl. 73—388.
Coberly, Clarence J., to Kobe, Inc. Tandem hydraulic pump system. 2,999,464, 9–12–61, Cl. 103—49.
Coberly, Clarence J., to Kobe, Inc. Rod-type fluid operated pumping system. 3,005,413, 10–24–61, Cl. 103—46.
Coberly, Clarence J., to Kobe, Inc. Closed fluid operated pumping system with parallel and concentric tubings. 3,005,414, 10–24–61, Cl. 103—46.
Coberly, Clarence J., to Kobe, Inc. Apparatus for measuring bottom hole pressure. 3,014,367, 12–26–61, Cl. 73—155.
Cobert, Arthur J., to Beautiful Bryans, Inc. Positive needle cam motion. 2,972,874, 2–28–61, Cl. 66—82.
Cobert, Arthur J., to Societe Belge d'Optique et d'Instruments de Precision, Societe Anonyme. Method and device for maintaining a constant temperature control of a sinker bar assembly in a straight bar knitting machine. 2,983,127, 5–9–61, Cl. 66—82.
Cobi, Walter H. Expansible pile driving mandrels. 2,990,688, 7–4–61, Cl. 61—53.72.
Cobi, Walter H. Pile forming apparatus and method. 3,005,315, 10–24–61, Cl. 61—53.72.
Cobine, James D.: *See*—
Lee, Thomas H., and Cobine. 2,975,256.
Cobine, James D., to General Electric Co. Electric circuit interruption device and method. 3,002,073, 9–26–61, Cl. 200—150.
Cobine, James D., to General Electric Co. Alternating current vacuum circuit interrupter. 3,014,110, 12–19–61, Cl. 200—144.
Cobine, James D., and E. E. Burger, to General Electric Co. Electrical contacts. 3,014,104, 12–19–61, Cl. 200—113.
Cobine, James D., and E. E. Burger, to General Electric Co. Vacuum switch. 3,014,107, 12–19–61, Cl. 200—144.
Cobine, James D., and E. E. Burger, to General Electric Co. Vacuum switch. 3,014,108, 12–19–61, Cl. 200—144.
Coblentz, Robert C. Air conditioning system. 2,984,082, 5–16–61, Cl. 62—180.
Cobler, Robert O.: *See*—
Newsome, Henry I., and Cobler. 3,012,603.
Coblitz, Sanford E. Combination thread-cutting tool and reamer. 2,968,822, 1–24–61, Cl. 10—87.
Cobra (Wood Treatment) Ltd.: *See*—
Reece, Stanley H. 2,993,245.
Coburn, Richard, and J. Donahue. Three coordinate display system. 3,005,195, 10–17–61, Cl. 343—7.9.
Coburn, Richard J., and K. I. Harner, to United Aircraft Corp. Electronic back pressure control. 3,003,331, 10–10–61, Cl. 62—161.
Coburn, Wallace A. Speed change transmission mechanism. 2,984,117, 5–16–61, Cl. 74—117.
Coca-Cola Bottling Works Co., The: *See*—
Pieschel, Walter L. 2,992,054.
Pieschel, Walter L. 3,013,850.
Coca-Cola Co., The: *See*—
Yingst, Thomas O., and Eddy. 2,994,421.
Cocanour, John B. Beverage dispensing system. 2,986,306, 5–30–61, Cl. 222—129.1.
Coceano, Domenico. Acoustical generator. 2,987,033, 6–6–61, Cl. 118—137.
Cochardt, Alexander W.: *See*—
Brown, Jack T., Mueller, France, and Cochardt. 2,981,620.
Cochardt, Alexander W., to Westinghouse Electric Corp. High temperature alloys. 3,005,705, 10–24–61, Cl. 75—171.
Cocharo, Grayson, to Chance Vought Corp. Optical data transfer system. 2,995,318, 8–8–61, Cl. 244—14.
Cochin, John D. Packaged vehicle lift. 3,001,512, 9–26–61, Cl. 121—46.
Cochran, C. L., and Associates: *See*—
Cochran, Charles L. 3,002,709.
Cochran, Charles L., to C. L. Cochran and Associates. Aircraft adapted for vertical ascent and descent. 3,002,709, 10–3–61, Cl. 244—12.
Cochran, Charles N., J. L. Brandt, and L. M. Foster, to Aluminum Co. of America. Degassing aluminum articles. 2,995,479, 8–8–61, Cl. 148—13.1.
Cochran, Chudleigh B.: *See*—
Brown, Cicero C., and Cochran. 2,991,833.
Cochran, Clarence W.: *See*—
Becker, Charles H., and Cochran. 3,007,725.
Cochran, Clarence W., to United-Carr Fastener Corp. Molding fastener. 2,977,652, 4–4–61, Cl. 24—73.
Cochran, Clarence W., to United-Carr Fastener Corp. Molding and the like fastening devices. 3,000,066, 9–19–61, Cl. 24—73.
Cochran, Clarence W., to United-Carr Fastener Corp. Fastening device. 3,000,231, 9–19–61, Cl. 74—502.
Cochran, John T., and G. D. Collins, to General Electric Co. Electromagnetic pump. 2,982,214, 5–2–61, Cl. 103—1.
Cochran, Kenneth W., ½ to Tubular Inspection Co., Inc., and ½ to R. C. Heldenbrand, d.b.a. Heldenbrand Tubular Service. Electro-magnetic pipe inspecting apparatus. 2,980,850, 4–18–61, Cl. 324—37.
Cochran, Kenneth W., to R. C. Heldenbrand, d.b.a. Heldenbrand Tubular Service. Apparatus for electro-magnetic inspection. 2,998,566, 8–29–61, Cl. 324—37.
Cochran, Ralph V.: *See*—
Norton, Charlie L., and Cochran. 2,990,586.
Cochran, Walter M.: *See*—
Eber, Fred, Ott, Cochran, and Kean. 3,011,896.
Cochran, Walter M., M. L. Otto, B. R. Wonsiewicz, and T. J. Zwolanek, to The Glidden Co. Domestic oil hard butters, coatings thereof, and process for preparing said butters. 2,972,541, 2–21–61, Cl. 99—118.
Cochran, Walter M., and F. Eber, to The Glidden Co. Process of preparing yeast-leavened baked goods. 2,978,329, 4–4–61, Cl. 99—90.
Cochran, Walter M., R. E. Lutz, and D. E. Miller, to The Glidden Co. Process of preparing batters adapted for refrigerated storage. 2,982,662, 5–2–61, Cl. 99—192.
Cochran, William C., to Aluminum Co. of America. Pigmenting aluminum oxide coating. 2,987,417, 6–6–61, Cl. 117—69.
Cochrane Corp.: *See*—
Fearon, John E. 3,004,714.
Cochrane, Donald P., and A. L. Stoeckel, to United States Steel Corp. Welded wire fabric reeling mandrel. 2,971,719, 2–14–61, Cl. 242—81.
Cockburn, Curtis D., to General Electric Co. Matrix amplifier for combining color-differing signals. 2,974,289, 3–7–61, Cl. 330—69.
Cockburn, Stanley D., to General Motors Corp. Door latch. 3,010,750, 11–28–61, Cl. 292—279.
Cockburn, Stanley D., and J. D. Leslie, to General Motors Corp. Integral latch and latch operating assembly. 2,987,907, 6–13–61, Cl. 70—135.
Cocker, John, III: *See*—
Freeze, William L., Cocker, and Suggs. 2,977,662.
Cocker, John, III, to Cocker Machine & Foundry Co. Muffler construction. 2,968,359, 1–17–61, Cl. 181—38.
Cocker Machine & Foundry Co.: *See*—
Cocker, John, III. 2,968,359.
Freeze, William L., Cocker, III, and Suggs. 2,977,662.
Manning, George. 2,988,798.
Manning, George, and McColg. 2,999,295.
Suggs, Thomas F. 2,996,785.
Cockeram, Herbert S.: *See*—
Kuebler, Werner R., Gregory, and Cockeram. 2,985,642.
Cockerill-Ougree, Societe Anonyme: *See*—
Pringiers, Paul M. G. A. 3,006,484.
Cocklin, Clinton T., to Laco Oil Burner Co., Inc. Exhaust device. 3,009,530, 11–21–61, Cl. 181—53.
Cockman, Haggie I. Sprinkler. 2,975,981, 3–21–61, Cl. 239—383.
Cockrell, William D., to General Electric Co. Phototransistor operated relay. 2,971,134, 2–7–61, Cl. 317—124.
Cockrell, William D., to General Electric Co. Control circuit. 2,977,523, 3–28–61, Cl. 318—331.
Cockrill, Huston W., to Raytheon Co. Indirectly heated cathodes. 2,975,322, 3–14–61, Cl. 313—346.
Cocks, Walter B., to Meredith Publishing Co. Air pressure controlled loose plate detector. 3,014,422, 12–26–61, Cl. 101—247.
Cocoros, Anthony E., and R. L. Mathias, to Westinghouse Electric Corp. Jet engine thrust reversing nozzle. 2,970,482, 2–7–61, Cl. 60—35.54.
Cocup, George A.: *See*—
Goodbar, Mayo A., Coffey, Cocup, and Hull. 2,972,442.
Coda, Nello: *See*—
Heibel, Jerome D., and Coda. 3,001,267.
Codding, Gordon E. Aircraft cockpit arrangement. 2,986,361, 5–30–61, Cl. 244—140.
Coddou, Eugene S., Jr., W. F. Johnston, Jr., and D. J. Bellman, to The American Oil Co. Preparation of high octane number motor fuel blending stocks. 2,968,605, 1–17–61, Cl. 208—70.
Coderch de Sentmenat, Jose A. Diffuser device for lamps in general. 2,972,672, 2–21–61, Cl. 240—36.
Codet, Howard G.: *See*—
Burnside, Harvey E. W., Codet, Jahnig, and Mayer. 3,007,984.
Codling, Eldred P., to National Pneumatic Co., Inc. Pneumatic motion-checking device and door operating system including same. 3,010,433, 11–28–61, Cl. 121—38.
Codoni, Angelo. Mouth mirrors. 2,984,009, 5–16–61, Cl. 32—69.
Coe, Clarence S.: *See*—
Doumani, Thomas F., and Coe. 2,983,099.
Coe, Herbert L., to United States Steel Corp. Metal plug type coke oven door. 2,993,845, 7–25–61, Cl. 202—248.
Coe Mfg. Co., The: *See*—
Fields, Frederick W. 3,011,619.
Parker, Clarence E. 2,967,630.
Parker, Clarence E. 2,981,399.
Parker, Clarence E. 2,984,838.
Parker, Clarence E. 2,985,322.
Coe, Merrill J., to KVP Sutherland Paper Co. Dispensing carton. 2,991,910, 7–11–61, Cl. 221—305.
Coe, Merrill J., to KVP Sutherland Paper Co. Carrying tray. 3,005,584, 10–24–61, Cl. 229—28.

Coe, Reginald T., and L. Griffiths, to The British Thomson-Houston Co. Ltd. Magnetic brakes. 2,968,740, 1-17-61, Cl. 310—93.

Coe, Thomas, and R. Bakker, to North American Philips Co., Inc. Method of manufacturing electrically insulating panels having a conductive pattern and panel manufactured by such method. 3,010,863, 11-28-61, Cl. 186—3.

Coe, Thompson J., to United States of America, Agriculture. Shrinkproofing textiles with polyepoxides and hydrazine. 2,975,077, 3-14-61, Cl. 117—141.

Coed of California, Inc.: *See*—
Farnsworth, Don A. 2,969,065.

Coenders, Johann. Clutching device for washing and drying machines. 3,000,483, 9-19-61, Cl. 192—103.

Coenen, Max, and O. Weissel, to Farbenfabriken Bayer Aktiengesellschaft. Cyanomethylene indoline derivatives. 2,993,907, 7-25-61, Cl. 260—319.

Coester, Robert, to Maschinenfabrik Benninger A.-G. Turbo machine. 2,968,436, 1-17-61, Cl. 23—125.

Coeterier, Frederik, to North American Philips Co., Inc. Electric discharge tube. 2,973,446, 2-28-61, Cl. 313—70.

Coffaro, John: *See*—
Bonomo, Joseph, De Iorio, and Coffaro. 2,992,813.

Coffee Equipment, Inc.: *See*—
Rockriver, Clyde R. 2,978,974.

Coffee, Wendell: *See*—
Allison, James E. 2,988,330.
Osborn, Gladys B. 3,014,484.
Richardson, Andrew J. 3,005,482.

Coffer, Charles O., to United States of America, Atomic Energy Commission. Surface treatment of molybdenum metal. 3,011,923, 12-5-61, Cl. 134—3.

Coffer, William E. System for signalling failure of refrigeration devices. 2,994,858, 8-1-61, Cl. 340—227.

Coffey, Charles D., to Minneapolis-Honeywell Regulator Co. Combination valve. 2,968,309, 1-17-61, Cl. 137—66.

Coffey, Donald E.: *See*—
Goodbar, Mayo A., Coffey, Cocup, and Hull. 2,972,442.

Coffey, Henry F., to Eli Lilly and Co. Article inspection and sorting apparatus. 2,971,646, 2-14-61, Cl. 209—111.

Coffey, Michael A. Candle holder. 2,987,801, 6-13-61, Cl. 67—23.

Coffey, Robert L., and R. J. Buchanan. Internal combustion engines. 2,975,774, 3-21-61, Cl. 123—59.

Coffey, William E., to Contemporary Structures, Inc. Building frame unit. 3,008,195, 11-14-61, Cl. 20—.5.

Coffield, Thomas H.: *See*—
Closson, Rex D., and Coffield. 3,007,953.

Coffield, Thomas H., to Ethyl Corp. Synthesis of metal carbonyls. 2,967,087, 1-3-61, Cl. 23—14.

Coffield, Thomas H., to Ethyl Corp. Process of preparing 2,6-di-tert-butyl-4-benzoyl phenol. 2,974,171, 3-7-61, Cl. 260—591.

Coffill, Charles F.: *See*—
Daugherty, Jesse, Durand, Wheeler, Coffill, Shattes, and Galgano. 2,968,517.

Coffin, John M. Treating infectious synovitis with brilliant green. 2,973,299, 2-28-61, Cl. 167—53.1.

Coffin, John M., and R. C. Graham, to Lenkurt Electric Co., Inc. Core testing device. 2,970,255, 1-31-61, Cl. 324—34.

Coffin, Lester W., ½ to P. Bosworth. Attachment for farm machines for handling materials. 3,008,722, 11-14-61, Cl. 275—6.

Coffman, Donald D.: *See*—
Chambers, William J., and Coffman. 2,992,226.

Coffman, Nellie V., and J. L. Wilson. Portable shampoo device. 3,013,280, 12-19-61. Cl. 4—159.

Coffman, Robert S., to Black, Sivalls & Bryson, Inc. Safety pressure relief device support. 2,980,286, 4-18-61, Cl. 220—89.

Cog Minerals Corp.: *See*—
Seeton, Frank A. 2,968,524.

Cogelja, Godfrey J., and P. J. Martin, to United States Steel Corp. Tuyere assembly for a Bessemer converter. 2,977,108, 3-28-61, Cl. 266—35.

Cogger, Howard, to Acme Ball Bearing & Mfg. Co. Bearing assembly. 3,010,771, 11-28-61, Cl. 308—187.2.

Coggeshall, Almy D.: *See*—
Marshall, Walter L., and Coggeshall. 2,994,735.

Coggeshall, Almy D., and H. R. Shirk, to General Electric Co. Spacing means for electrical devices. 2,980,757, 4-18-61, Cl. 174—138.

Coggeshall, Norman D., and B. M. Wedner, to Gulf Research & Development Co. Recording integrator. 2,998,291, 8-29-61, Cl. 346—13.

Coggeshall, Thellwell R., and U. R. Tognella, to General Electric Co. Hydraulically acutated operating mechanism for an electric circuit breaker. 2,972,337, 2-21-61, Cl. 121—38.

Coggi, Ettore, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Composite ropes, cords and the like. 2,974,559, 3-14-61, Cl. 87—1.

Coggins, Robert W.: *See*—
Walker, Jay P., and Coggins. 3,012,629.

Coghill, Henry D., and L. R. Koller, to General Electric Co. Method of preparing luminescent screens. 2,967,111, 1-3-61, Cl. 117—33.5.

Coghlan, Charles A.: *See*—
Hess, Howard V., and Coghlan. 2,986,587.

Coghlin, B. J., Co., Ltd.: *See*—
Petrusewics, Stanislaw M., and Turner. 3,003,429.

Cogsdill Tool Products, Inc.: *See*—
Winberry, George H., Jr. 3,008,360.

Cohan, Hilda: *See*—
Cohan, Marvin M. 2,994,530.

Cohan, Marvin M., deceased; H. Cohan, executrix of said M.M. Cohan, to herself. Bowling grip developer. 2,994,530, 8-1-61, Cl. 272—68.

Cohen, Albert. Plugboards for use in patchcord programming systems. 3,004,235, 10-10-61, Cl. 339—16.

Cohen, Albert L.: *See*—
Haar, Felix. 3,006,283.

Cohen, Albert M., and A. I. Lichtenstein. Swim trunks. 2,983,924, 5-16-61, Cl. 2—67.

Cohen, Albert, P. Davis, and J. F. Orabona, to United States of America, Air Force. Radome structural devices. 2,978,704, 4-4-61, Cl. 343—872.

Cohen, Alfred G.: *See*—
Small, Samuel N. 2,967,379.
Small, Samuel N. 2,979,065.

Cohen, Arnold, and O. Beder, to M. Altman. Combined comb and brush holder. 2,988,229, 6-13-61, Cl. 211—13.

Cohen, Charles A., to Esso Research and Engineering Co. Synthesis of exo-norborneol. 2,991,308, 7-4-61, Cl. 260—514.

Cohen, Charles L., and R. A. Atchison, to ACF Industries, Inc. Simulated nose wheel steering system. 3,002,292, 10-3-61, Cl. 35—12.

Cohen, Charles L., and D. F. Luse, Jr., to ACF Industries, Inc. Electro-mechanical shaft positioning device. 3,006,198, 10-31-61, Cl. 74—10.2.

Cohen de Lara, Georges: *See*—
Trentini, Bernard, and Cohen de Lara. 2,986,343.

Cohen, Elliott, and J. R. Vaughan, Jr., to American Cyanamid Co. 1,2,3,4-tetrahydro-7-halo-6-sulfamyl-4-quinazolinones and 7-trifluoromethyl analogues. 2,976,289, 3-21-61, Cl. 260—256.5.

Cohen, Ezra, to Bell Telephone Laboratories, Inc. Stabilized timing circuit. 2,976,487, 3-21-61, Cl. 324—68.

Cohen, George: *See*—
Schubert, Adolf, Cohen, Delcamp, and Lollar. 2,975,018.

Cohen, Henry G., to Kenneth Malcolm Co. Collar construction for garment with removable liner. 2,991,479, 7-11-61, Cl. 2—97.

Cohen, Herbert A.: *See*—
Rosenthal, Murray W., and Cohen. 2,978,812.

Cohen, Herman, to Norton Portland Corp. Soil conditioning apparatus. 3,008,526, 11-14-61, Cl. 172—45.

Cohen, Howard J., to National Distillers and Chemical Corp. Triorganosiloxymetal oxides. 2,994,711, 8-1-61, Cl. 260—429.

Cohen, Isadore: *See*—
Lustman, Benjamin, Losco, and Cohen. 2,992,178.

Cohen, Jerrold, and M. Weinberg, to Pacific Semiconductors, Inc. Method of bonding materials. 2,996,798, 8-22-61, Cl. 29—472.9.

Cohen, Joseph E.: *See*—
Schatz, George W., and Cohen. 2,982,122.

Cohen, Joseph H., to The Cross Co. Lubrication system. 2,995,211, 8-8-61, Cl. 184—6.

Cohen, Joseph H., to General Foods Corp. Concentration process for aqueous gelatin solutions. 3,009,514, 11-21-61, Cl. 159—49.

Cohen, Leon B., to Globe Lighting Products, Inc. Light fixture. 2,978,575, 4-4-61, Cl. 240—147.

Cohen, Leslie H., S.: *See*—
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Cohen, Louis, to The B. F. Goodrich Co. Stable tar-in-water dispersion and method for preparing same. 2,972,588, 2-21-61, Cl. 260—17.4.

Cohen, Louis, D. C. Spaulding, and J. F. Jones, to The B. F. Goodrich Co. Cross-linked polymers and method for their preparation. 2,988,539, 6-13-61, Cl. 260—78.

Cohen, Manuel, to Wagner Folding Box Corp. One-piece platform type article holder for packages. 2,973,860, 3-7-61, Cl. 206—79.

Cohen, Martin J., and J. C. Gibson, Jr. to Franklin Systems, Inc. Control and guidance of vehicles. 3,004,238, 10-10-61, Cl. 343—112.

Cohen, Maurice. Display rack. 2,973,867, 3-7-61, Cl. 211—37.

Cohen, Melvin: *See*—
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Cohen, Milton J. Disposable hypodermic syringe. 2,971,509, 2-14-61, Cl. 128—216.

Cohen, Murray. Abrading and cutting tool. 2,991,593, 7-11-61, Cl. 51—5.

Cohen, Murray S., and D. Grafstein, to Thiokol Chemical Corp. Fluoro substituted polysiloxanes and preparation thereof. 2,981,746, 4-25-61, Cl. 260—448.2.

Cohen, Murray S., and J. E. Paustian, to Thiokol Chemical Corp. Preparation of borohydrides. 2,983,575, 5-9-61, Cl. 23—14.

Cohen, Murray S., and C. E. Pearl, to Thiokol Chemical Corp. Preparation of monobromodecaborane. 2,990,239, 6-27-61, Cl. 23—14.

Cohen, Myron: *See*—
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Greenman, Joseph, Shalita, Taverna, and Cohen. 2,979,061.

Cohen, Rebecca. Combination denture compact device. 2,973,767, 3-7-61, Cl. 132—84.

Cohen, Robert. Circumcision clamp. 3,013,560, 12–19–61, Cl. 128—346.

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Cohen, Saul M., to Clinton Industries, Inc. Needle positioner. 2,967,499, 1–10–61, Cl. 112—219.

Cohen, William, to United States of America, Navy. Rod assembled plastic rocket. 2,990,684, 7–4–61, Cl. 60—35.6.

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Cohn, Charles C. and S. L., to S. L. and C. C. Cohn, copartners trading as Colonial Alloys Co. Chemical polishing method. 2,971,826, 2–14–61. Cl. 41—42.

Cohn, Charles C., to S. L. and C. C. Cohn, copartners, trading as Colonial Alloys Co. Slide fastener assembly. 2,989,444, 6–20–61, Cl. 204—23.

Cohn, Charles C., to S. L. and C. C. Cohn, d.b.a. Colonial Alloys Co. Small animal repelling structures. 2,989,789, 6–27–61. Cl. 20—100.

Cohn, David, to Model Plastic Corp. Apparatus for fastening eyes in dolls' heads. 2,973,573, 3–7–61, Cl. 29—209.

Cohn, David, to Model Plastic Corp. Doll's head and novel means for mounting the eyes in position at the eye openings. 2,997,811, 8–29–61, Cl. 46—169.

Cohn, David, to Model Plastic Corp. Doll's head and eye mounting means therefor. 3,000,136, 9–19–61, Cl. 46—169.

Cohn, David, to Model Plastic Corp. Lip moving mechanism for a doll or the like. 3,005,283, 10–24–61, Cl. 46—135.

Cohn, Jean. Folding head rest. 3,007,735, 11–7–61, Cl. 297—184.

Cohn, Johann G. E., D. R. Steele, and H. C. Andersen, to Engelhard Industries, Inc. Method of selectively removing oxides of nitrogen from oxygen-containing gases. 2,975,025. 3–14–61. Cl. 23—2.

Cohn, Samuel L.: *See*—
Cohn, Charles C. 2,989,444.
Cohn, Charles C. 2,989,789.
Cohn, Charles C. and S. L. 2,971,826.

Cohn, Seymour B., and E. M. T. Jones, to United States of America, Army. Pre-programmed scanning antenna. 3,005,985. 10–24–61, Cl. 343—777.

Cohn, Seymour B., and E. K. Proctor, Jr., to Sperry Rand Corp. Scanner antenna system. 3,008,141, 11–7–61, Cl. 343—772.

Cohn, Sigmund, Corp.: *See*—
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Cohrs, Fred R., and W. R. Smith, to The Upjohn Co. Turret type article handling machine. 2,968,090, 1–17–61, Cl. 29—240.

Cohrt, Henry F. Refrigeration apparatus. 2,977,097, 3–28–61, Cl. 259—9.

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Coker, Alfred M. Method and apparatus for developing oil fields using tunnels. 2,989,294, 6–20–61, Cl. 262—1.

Coker, Theodore R., and A. H. Swanstrom, to Allen-Bradley Co. Reversible contact structure. 2,985,736, 5–23–61, Cl. 200—104.

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Colaguori, Albert C., to United States of America, Army. Synchronous selectivity receiver. 2,976,408, 3–21–61, Cl. 250—20.

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Colarusso, Augustine L., to Van Brode Milling Co., Inc. Method of producing rice foods. 2,975,058, 3–14–61, Cl. 99—81.

Colb, Meyer. Gum massaging device. 2,985,167, 5–23–61, Cl. 128—62.

Colberg, Walter C.: *See*—
Malm, Richard F., and Colberg. 2,972,706.

Colbert, Lawrence L. and W. Combined bicycle pedal and lock. 3,009,348, 11–21–61, Cl. 70—227.

Colbert, Lee J., to Robertson Electric Co., Inc. Cable splice enclosure. 2,978,533, 4–4–61, Cl. 174—93.

Colbert, Otto F. Name plate assembly. 2,967,366, 1–10–61, Cl. 40—140.

Colbert, Thomas S. Portable pallet rack. 2,986,284, 5–30–61, Cl. 211—134.

Colbert, William: *See*—
Colbert, Lawrence L. and W. 3,009,348.

Colbert, William H., W. L. Morgan, and A. R. Weinrich, to Libbey-Owens-Ford Glass Co. Electrically conducting coated glass or ceramic articles suitable for use as a lens, a window or a windshield, or the like. 3,010,850, 11–28–61, Cl. 117—211.

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Colby, Ralph S., to United Aircraft Corp. Radiator matrix design. 2,969,642, 1–31–61. Cl. 60—39.01.

Colby, Richard H., to United States of America, Army. Loading, firing and unloading mechanism for a firearm with a laterally actuated breech closure. 2,973,693, 3–7–61, Cl. 89—169.

Colby, Richard H., to United States of America, Army. Reversible feeding mechanism. 2,979,992, 4–18–61, Cl. 89—33.

Colby, Richard H., to United States of America, Army. Firing rate conversion means for automatic firearms. 2,982,183, 5–2–61, Cl. 89—129.

Colby, Richard H., and R. W. Hegarty, to United States of America, Army. Device for jettisoning fired cases from automatic firearms. 3,001,453. 9–26–61. Cl. 89—33.

Colby, Richard H., to United States of America, Army. Quick release sear for light machine guns. 3,010,237, 11–28–61, Cl. 42—69.

Colby, Roy L., Jr., to National Steel Corp. Building construction. 2,989,154, 6–20–61, Cl. 189—1.

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Cole, Addison D., J. B. Levin, L. G. Wilde, and V. T. Takata, to United States of America, Army. Radar aircraft guidance system. 3,007,151, 10–31–61. Cl. 343—5.

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Cole, Albert J., and F. L. Edris, to The Firestone Tire & Rubber Co. Graft copolymer of vinyl chloride polymer composition, latex thereof, method of making, and article coated therewith. 2,996,470, 8–15–61, Cl. 260—29.7.

Cole, Allan B., and E. J. Balga, to Frederic R. Harris, Inc. Submersible vessel. 2,990,796, 7–4–61, Cl. 114—.5.

Cole, Arthur D. Air pressure regulator for air conveying conduits. 2,976,793, 3–28–61, Cl. 98—33.

Cole, Ben R.: *See*—
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Cole, Benjamin R., and E. J. Sheldon, Jr., to United States of America, Navy. Voltage information storage circuit. 2,985,838, 5–23–61, Cl. 328—121.

Cole, Benjamin R., and E. J. Sheldon, to United States of America, Navy. Reliability check circuits. 2,995,748, 8–8–61, Cl. 343—17.7.

Cole, Benjamin R., and E. J. Sheldon, Jr., to United States of America, Navy. Voltage limit control circuit. 3,009,110, 11–14–61, Cl. 328—150.

Cole, Burrel C., and E. P. Waite. Center suspended top roll and weighting assembly for fiber attenuating apparatus. 3,014,248, 12–26–61, Cl. 19—135.

Cole, Burrel C., and E. P. Waite, to Cole Engineering Corp. Top roll unit for fiber attenuating apparatus. 3,014,249, 12–26–61, Cl. 19—137.

Cole, Byron M. Soldering handle. 2,997,684, 8–22–61, Cl. 339—110.

Cole of California, Inc.: *See*—
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Cole, Clyde C. Dolly. 3,005,640. 10–24–61. Cl. 280—47.34.

Cole, Donald W., to General Dynamics Corp. Explosive forming in liquid. 2,983,242, 5–9–61, Cl. 113—44.

Cole, Edward L., to Texaco Inc. Method of processing lubricating oil. 2,967,144, 1–3–61, Cl. 208—87.

Cole, Edward L., to Texaco Inc. Method of processing lubricating oil. 2,967,147, 1–3–61, Cl. 208—144.

Cole, Edward N., to General Motors Corp. Motor vehicle fuel tank installation. 3,014,730, 12–26–61, Cl. 280—5.

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Cole, Felix: *See*—
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Cole, Fred H. Electrical plug having self-aligning terminal pins. 2,972,728, 2–21–61, Cl. 339—64.

Cole, Fred H. Self-aligning electrical connector assembly. 2,999,998, 9–12–61, Cl. 339—64.

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Cole, George W., and E. Falagrady, said Cole assor. to said Falagrady, J. Pompia, and T. Naglich. Car re-railer. 2,980,035, 4–18–61, Cl. 104—273.

Cole, Gordon E., Jr., and C. O. Herman, to Air Reduction Co., Inc. Stabilization of chlorinated hydrocarbons with a synergistic combination of a tertiary acetylenic alcohol, dioxane, and a volatile basic organic nitrogen-containing organic compound. 2,981,759, 4–25–61, Cl. 260—652.2.

Cole, Herbert, to Herbert Cole Trust. Dough dusting equipment. 2,990,217, 6–27–61, Cl. 302—56.

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Cole, Herbert. 2,990,217.

Cole, Howard W., Jr. Flowmeter with specific gravity compensator. 2,974,525, 3–14–61, Cl. 73—231.

Cole, Howard W., Jr. Automatic lock for small shafts. 2,993,569, 7–25–61, Cl. 188—134.

Cole, Hyman E., to New York Pressing Machinery Corp. Pressing machine. 2,978,594, 3–7–61, Cl. 38—17.
Cole, Irwin H. Hearing aid. 2,977,425, 3–28–61, Cl. 179—107.
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Cole, James D. Electrical heating units and the like. 3,015,016, 12–26–61, Cl. 219—46.
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Cole, Nelson E., to Dana Corp. Structural panel construction. 3,008,551, 11–14–61, Cl. 189—34.
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Cole, Paul M., to E. I. du Pont de Nemours and Co. Tufted structures. 2,983,028, 5–9–61, Cl. 28—78.
Cole, Raymond C., to International Latex Corp. Brassiere. 3,002,516, 10–3–61, Cl. 128—484.
Cole, Rex. Illuminating device and support therefor. 3,012,801, 12–12–61, Cl. 287—58.
Cole, Robert M., and J. W. Mecorney, to Shell Oil Co. Production of unsaturated aldehydes. 2,981,753, 4–25–61, Cl. 260—601.
Cole, Samuel P., C. S. Walker, and H. W. Reed, to Institutum Divi Thomae Foundation. Method for making juice concentrates. 2,967,778, 1–10–61, Cl. 99—205.
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Cole, Shephard A., to Cardwell-Westinghouse Co. Journal lubricator. 2,969,260, 1–24–61, Cl. 308—87.
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Coleman, Charles G., Jr., and H. Weiner. Methods and means for solving problems by progressive analysis. 2,984,018, 5–16–61, Cl. 35—9.
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Fertig, Francis E. 2,982,283.
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Coleman, Ralph A., F. J. Arthen, J. P. Milionis, and W. S. Foster, to American Cyanamid Co. Aminohydroxybenzophenones and triazine derivatives thereof. 3,014,908, 12–26–61, Cl. 260—249.5.
Coleman, Ray J., S. F. De Cordova, and T. A. Kennard. High pressure washover tool. 2,998,076, 8–29–61, Cl. 166—222.
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Coleman, Richard L., P. S. Cecil, and J. A. Kerpel, to The J. M. Ney Co. Dental prosthesis and method of manufacture. 2,980,998, 4–25–61, Cl. 32—12.
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Coler, Myron A. Compositions useful in the preparation of destaticized molded articles, process of preparing same and molded articles prepared therefrom. 2,993,022, 7–18–61, Cl. 260—32.6.
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Collette, Floyd E. Drive and track assembly for flexible belt carrier. 2,980,258, 4–18–61, Cl. 211—1.5.
Colletti, Nicasio, to Goodyear Aircraft Corp. Random noise generator. 2,974,291, 3–7–61, Cl. 331—78.
Colley, Rowan H., to Rolls-Royce Ltd. Variable convergent/divergent jet propulsion nozzle. 2,989,847, 6–27–61, Cl. 60—35.6.
Colley, Rowan H., to Rolls-Royce Ltd. Jet nozzle arrangements. 2,997,842, 8–29–61, Cl. 60—35.6.
Colley, Rowan H., to Rolls-Royce Ltd. Remote control apparatus. 3,004,442, 10–17–61, Cl. 74—388.
Colley, Rowan H., to Rolls-Royce Ltd. Control mechanism including variable-stroke ram. 3,010,434, 11–28–61, Cl. 121—38.
Collier Carbon and Chemical Corp.: *See*—
McKinnis, Art C. 2,999,119.
Scott, Carleton B. 2,998,346.
Speyer, Frederick B. 3,012,003.
Collier, Dana M., L. A. Meeks, and J. P. Palmer, to United Stats of America, Atomic Energy Commission. Electronic multiplier. 2,969,915, 1–31–61, Cl. 235—194.
Collier, Donald W., to McGraw-Edison Co. Arc interrupting device. 3,001,050, 9–19–61, Cl. 200—20.
Collier, Henry O. J.: *See*—
Taylor, Edwin P., Collier, and Gladych. 3,004,031.
Collier, John E.: *See*—
Moskovitz, Milton A., and Collier. 2,977,131.
Collier, John E., to Chrysler Corp. Ball joint. 3,005,647, 10–24–61, Cl. 287—90.
Collier, John E., and M. D. Karlstad, Jr., to Chrysler Corp. Vehicle wheel suspension. 2,972,489, 2–21–61, Cl. 280—124.
Collier, Robert J., and J. Feinstein, to Bell Telephone Laboratories, Inc. Microwave amplifier. 2,988,669, 6–13–61, Cl. 315—39.3.
Collier, Theodore J.: *See*—
Whitehurst, Harry B., Morrison, and Collier. 2,979,424.
Collier, Theodore J., to Owens-Corning Fiberglas Corp. Epoxy-glass fiber systems and method for improving the bonding relation therebetween. 2,974,062, 3–7–61, Cl. 117—76.
Collin, Fredrik C.: *See*—
Basen, Toralv, and Collin. 2,993,779.
Collin, Jean-Yves. Divider for carpenters. 2,968,098, 1–17–61, Cl. 33—41.
Collin, Marcel: *See*—
Funchion, John W. L., and Ginn. 2,979,802.
Collings, Dana B., to Buxton Inc. Key cases. 2,968,176, 1–17–61, Cl. 70—456.
Collings, Lawrence V., to Sinclair Refining Co. Process for protecting metal from corrosion. 3,007,811, 11–7–61, Cl. 117—97.
Collins & Aikman Corp.: *See*—
Grajeck, Edwin J. 2,977,664.
Keen, William R. 2,979,803.
White, William L. 2,988,800.
Collins, Alfred P., to The State of Iowa, for the use and benefit of the State University of Iowa. Process of inhibiting microorganisms with alkylene bis-dithiocarbamate esters. 2,974,082, 3–7–61, Cl. 167—22.
Collins, Arthur F., to International Business Machines Corp. Matrix adder. 2,995,303, 8–8–61, Cl. 235—176.
Collins, Arthur J. Spout with sealing cover therefor. 2,979,239, 4–11–61, Cl. 222—530.
Collins, Arthur J. Spout and cap sealing means. 3,006,513, 10–31–61, Cl. 222—542.
Collins, Bernice L. Kitchen utensil. 3,004,340, 10–17–61, Cl. 30—316.
Collins Bros. Machine Co.: *See*—
Makant, Joseph E., and Collins. 2,975,584.
Collins, Cameron C., and W. E. Kishbaugh, to The Bendix Corp. Singeing machine and method. 2,967,326, 1–10–61, Cl. 18—1.
Collins, Carroll B., to Peerless Photo Products, Inc. Light intensifying means for copying camera. 2,970,514, 2–7–61, Cl. 88—24.
Collins, D.O.: *See*—
Howard, William C. 2,994,188.
Collier, Donald W., W. G. Whitney, and N. T. Williams, to McGraw-Edison Co. Automatic recording machine. 2,994,746, 8–1–61, Cl. 179—100.2.
Collins, Edgar F., to Metal Edge Industries (Inc.). Cartons. 2,982,463, 5–2–61, Cl. 229—35.
Collins, Galen F., to Miles Laboratories, Inc. Diagnostic compositions. 2,986,453, 5–30–61, Cl. 23—253.
Collins, Gordon D.: *See*—
Cochran, John T., and Collins. 2,982,214.
Collins, Gordon, and J. H. Graves, to The British Thomson-Houston Co. Ltd. Improvement in and relating to pneumatic motor suitable for electric traction control systems. 2,981,233, 4–25–61, Cl. 121—38.
Collins, Harold B., Jr.: *See*—
Moore, Robert C., Creamer, and Collins. 3,007,005.
Collins, Henry: *See*—
Makant, Joseph E., and Collins. 2,975,584.
Collins, Henry. Spindle stop. 2,972,219, 2–21–61, Cl. 57—88.
Collins, John E., to International Basic Economy Corp. Fluid control valve. 2,993,510, 7–25–61, Cl. 137—622.
Collins, John F.: *See*—
McGurty, James A., and Collins. 2,994,604.
McGurty, James A., and Collins. 3,002,833.
Collins, Joseph C.: *See*—
Johnson, William S., Collins, Pappo, and Rubin. 2,973,357.
Collins, Joseph M. Portable traction device. 2,997,250, 8–22–61, Cl. 242—107.5.
Collins, Joseph M. End board for litters. 3,000,018, 9–19–61, Cl. 5—82.
Collins, Joseph M. Portable traction device. 3,009,461, 11–21–61, Cl. 128—84.
Collins, Leonard M., to Pressure Dispensers, Inc. Dispensing valve. 3,006,514, 10–31–61, Cl. 222—553.
Collins, Marion C. Detachable ear plugs for stethoscopes. 3,000,463, 9–19–61, Cl. 181—24.
Collins, Marshall I. Ashtray. 3,013,566, 12–19–61, Cl. 131—235.
Collins, Martin D., to General Electric Co. Method of preparing lantern slides. 2,978,374, 4–4–61, Cl. 154—95.
Collins Radio Co.: *See*—
Adamsheck, James H., and Rowley. 3,005,115.
Amfahr, Warren U. 2,969,486.
Anderson, Russell D. 3,009,380.
Bargen, David W. 2,984,777.
Barry, George H. 2,969,430.
Barry, George H. 2,984,701.
Beckerich, John F. 2,998,517.
Biderman, Benjamin B. 2,984,785.
Bolie, Victor W. 2,988,821.
Broadhead, Samuel L., Jr., and Ludvigson. 3,001,161.
Broadhead, Samuel L., Jr., and McInerney. 3,010,077.
Bruene, Warren B. 2,980,862.
Carter, Robert C., and Burnett. 2,984,794.
Craiglow, Robert L., and Keyser. 2,973,420.
Cunningham, Paul M. 2,977,585.
Cunningham, Paul M. 2,994,823.
Cunningham, Paul M. 2,996,678.
Delaney, Frank J. 2,994,790.
De Long, Vincent R. 2,973,488.
De Long, Vincent R., and Rodes. 3,013,148.
Doelz, Melvin L., and Heald. 2,977,417.
Du Hamel, Raymond H., and Berry. 2,984,835.
Du Hamel, Raymond H., and Berry. 2,989,749.
Du Hamel, Raymond H., and Minerva. 3,013,226.
Du Hamel, Raymond H., and Ore. 2,977,597.
Du Hamel, Raymond H., and Ore. 3,013,268.
Frye, Eugene O. 2,973,481.
Garabedian, Arthur. 3,013,211.
Gaskill, Harold V. 2,984,077.
Gerks, Irvin H. 2,984,799.
Goetz, John L. 3,001,118.
Graham, John F. 2,973,476.
Grondin, George F. 2,973,407.
Grondin, George F. 2,973,507.
Grondin, George F., and Royer. 2,980,858.
Hern, Howard D. 2,969,459.
Hill, John D., III. 2,980,827.
Hogue, Noel E. 2,969,468.
Hoppenworth, Marvin V. 2,989,125.
Hubbard, Merle R. 3,001,069.
Hykes, Glenn R., and Johnson. 2,984,729.
Jacobson, Herbert P., and Williams. 2,980,328.
Jones, Paul R. 3,013,186.
Justice, Harold D. 2,977,596.
Lasho, Clarence E., Jr., and Pierce. 2,994,416.
Luik, Ilmar. 2,980,895.
Kuehne, Walter, Ocnaschek, and Martin. 3,009,271.
Majerus, John B., and Wulfsberg. 2,973,509.
Marner, Gene R. 3,012,728.
Martin, David O., and Ocnaschek. 3,000,121.
Mason, Roger H., and Raits. 2,980,898.
Mullen, Joe P. 2,968,968.
Pierce, Roger J. 2,994,867.
Rowley, Robert J. 2,969,460.
Secretan, Frank. 2,977,538.
Stewart, Clyde. 2,969,540.
Stockwell, Glade M. 3,012,449.
Stolze, Roger M. 2,984,787.
Stover, Harris A. 2,982,929.
Stover, Harris A., and Thulin. 3,005,095.
Stuhler, William B. 2,984,065.
Teddlie, Eric A. 3,001,119.
Tollefson, Robert D. 2,996,708.
Tollfeson, Robert D. 3,013,262.
Wallace, Keith L. 3,012,447.
Welch, Jack D. 2,989,649.
Collins, Robert B. Tilting farm wagon. 3,009,741, 11–21–61, Cl. 298—19.
Collins, Robert L., to Nashua Corp. Apparatus for serving strips and tape. 3,006,567, 10–31–61, Cl. 242—55.53.

Collins, Russell E. Stanchion apparatus. 2,969,770, 1–31–61, Cl. 119—98.

Collins, Russell L., to Phillips Petroleum Co. Magnetic resonance spectrometer and bridge circuit. 2,995,698, 8–8–61, Cl. 324—.5.

Collins, Russell W., to Bell Telephone Laboratories, Inc. Power supply system. 3,009,089, 11–14–61, Cl. 318—329.

Collins, Theron T., Jr. Sodium sulphite liquor recovery. 2,993,753, 7–25–61, Cl. 23—48.

Collins, Theron T., Jr. Production of paper pulp. 2,999,044, 9–5–61, Cl. 162—30.

Collins, Warren T., and P. Rappaport, to Radio Corp. of America. Apparatus for powering a plurality of semiconducting units from a single radioactive battery. 2,998,550, 8–29–61, Cl. 317—101.

Collins, William A., to Rudy Mfg. Co. Evaporator having a heating element in unit relation therewith. 3,008,304, 11–14–61, Cl. 62—276.

Collins, Winifred C., to Johnson & Johnson. Unified sheet impregnated with elastomeric polymer and vinsol resin and paper backed normally tacky and pressure-sensitive adhesive tape employing same. 3,012,913, 12–12–61, Cl. 117—168.

Collins, Winifred C., and J. F. McElroy, to Johnson & Johnson. Adhesive tape containing a polyamine hold improving compound. 3,004,867, 10–17–61, Cl. 117—122.

Collison, William F., to Non-Linear Systems, Inc. Shaft position indicator. 2,972,978, 2–28–61, Cl. 116—115.

Collison, William F., to Clary Corp. Perforated record controlled apparatus. 3,014,653, 12–26–61, Cl. 235—61.6.

Colliva, Dante, to Johns-Manville Corp. Method and machine for manufacturing asbestos cement tubes. 2,977,276, 3–28–61, Cl. 162—118.

Colliva, Dante, to Johns-Manville Corp. Machine for continuously forming tubes of asbestos cement. 3,003,553, 10–10–61, Cl. 162—284.

Colloid Chemical Laboratories, Inc.: *See*—
Leppert, John E. 2,985,622.

Collom, Donald J., to Weltronic Co. Motor control circuit. 2,991,401, 7–4–61, Cl. 318—212.

Collum, Theodore J. Fire alarm apparatus. 2,989,737, 6–20–61, Cl. 340—227.

Collyer, Philip W.: *See*—
Barnes, Robert B., and Collyer. 2,995,973.

Collyer, Philip W., to Barnes Engineering Co. Refractometer for industrial process control. 3,013,465, 12–19–61, Cl. 88—14.

Colman, Benjamin W.: *See*—
Young, Julius, and Colman. 2,968,196.

Colodny, Samuel H., to Philco Corp. Saturable reactor tuning system. 2,976,412, 3–21–61, Cl. 250—40.

Colombo, Grace J., to Hanes Hosiery, Inc. Display rack for hosiery charts and the like. 2,985,314, 5–23–61, Cl. 211—168.

Colombo, Roberto, to S.A.S. Lavorazione Materie Plastiche (L.M.P.) di M. I. Colombo & C. Screw press for extruding plastic materials. 2,968,836, 1–24–61, Cl. 18—12.

Colombo, Roberto, to S.A.S. Lavorazione Materie Plastiche (L.M.P.) di M.I. Colombo & C. Method and apparatus for blowing hollow plastic articles. 2,975,472, 3–21–61, Cl. 18—5.

Colombo, Walter J.: *See*—
Baker, George W., Colombo, and Watson. 3,009,334.

Colonial Alloys Co.: *See*—
Cohn, Charles C. and S. L. 2,971,826.
Cohn, Charles C. 2,989,444.
Cohn, Charles C. 2,989,789.

Colonial Press, Inc., The: *See*—
Martin, Kenneth P., and Nadaskay. 2,968,336.
Martin, Kenneth P., and Rowland. 2,968,430.

Colonna, Joseph J., to J. R. Parks. Fuel and lubricant mixer. 3,003,521, 10–10–61, Cl. 137—604.

Color Process Co., Inc.: *See*—
Sperry, Herbert O. 2,997,222.

Colorado Fuel and Iron Corp., The: *See*—
Godfrey, Howard J. 3,012,310.
Nixon, John E. 2,971,255.
Nixon, Leroy. 2,987,009.

Colorado Oil and Gas Corp.: *See*—
Gilbert, Richard, and Warkentien. 2,969,950.

Colorvision, Inc.: *See*—
Leighton, Thomas C., Brunswick, and Wheeler. 2,982,173.

Colotrym Co.: *See*—
Hobbs, Frank. 3,007,213.

Colson Corp., The: *See*—
Carlson, Bernard E. 2,980,106.

Colson, U. O., Co.: *See*—
Atwater, Thomas V., Jr., Cox, and Muesing. 3,007,268.

Colston, Charles, Ltd.: *See*—
Gilson, Robert J. 2,985,177.

Colt, Rutger B., and R. J. Cerny, to The Bendix Corp. Buoy and like floating object incorporating means for resiliently connecting same to its anchor. 3,005,215, 10–24–61, Cl. 9—8.

Colten, Bernard, and R. W. Reach, Jr., to Minneapolis-Honeywell Regulator Co. Electrical pulse manipulating apparatus. 2,967,276, 1–3–61, Cl. 328—92.

Colten, Bernard, and R. W. Reach, Jr., to Minneapolis-Honeywell Regulator Co. Checking circuitry for data processing apparatus. 3,012,722, 12–12–61, Cl. 235—153.

Colten, Robert B.: *See*—
Mustonen, Reino H., Colten, and Wanttaja. 2,992,375.

Colterjohn, Walter L., Jr., and A. F. Stanonis, to Bell & Howell Co. Electrical indicating apparatus. 2,994,575, 8–1–61, Cl. 346—74.

Colthup, Elisabeth C.: *See*—
Meriwether, Lewis S., and Colthup. 2,998,463.

Colton, Evan T.: *See*—
Gordon, Bernard M., and Colton. 2,997,704.

Colton, Frank B., to G. D. Searle & Co. 6-methylene-steroids and process. 2,980,711, 4–18–61, Cl. 260—397.4.

Colton, Frank B., and I. Laos, to G. D. Searle & Co. 8-amino-1-hydroxy-13α-methyl-1H-cyclopenta [5,6] naphtho-1,2-g quinazolines and process. 2,999,092, 9–5–61, Cl. 260—239.5.

Colton, Frank B., and D. Lednicer, to G. D. Searle & Co. 1-methyl-17-alkyl-19-nortestosterones. 3,006,929, 10–31–61, Cl. 260—397.4.

Colton, Frank B., and N. W. Atwater, to G. D. Searle & Co. 17α-alkenyl derivatives of 6α-methyl-17β-hydroxy-19-nor-4-androsten-3-one. 3,012,045, 12–5–61, Cl. 260—397.4.

Colton, Raymond R.: *See*—
Fitzgerald, Gerald A. 3,006,773.

Colton, Raymond R., and I. W. Scopp. Tobacco processing. 2,969,794, 1–31–61, Cl. 131—140.

Colton, Raymond R., and I. W. Scopp. Manufactured tobacco products. 2,970,072, 1–31–61, Cl. 131—17.

Colton, Roland J. Concentric triple valves for internal combustion engines. 2,988,072, 6–13–61, Cl. 123—79.

Colucci, Steve E., to Fairchild Stratos Corp. Cryogenic spray ejector. 3,014,705, 12–26–61, Cl. 261—16.

Columbia Broadcasting System, Inc.: *See*—
Bachman, William S. 2,968,006.
Geiger, Joseph R. 2,974,190.
Goldmark, Peter C. 2,974,961.
Goldmark, Peter C., Bauer, and Hollywood. 3,013,125.
Goldmark, Peter C., and Christensen. 3,005,056.
Jacobs, Harold, and Ramsa. 2,985,757.
Sullivan, Michael V. 3,011,018.
Wittlig, Paul F. 2,969,428.

Columbia Electric & Mfg.: *See*—
Caferro, Edward M. 2,984,812.

Columbia Products Co.: *See*—
Scott, Arthur L. 2,977,406.

Columbia Ribbon and Carbon Mfg. Co., Inc.: *See*—
Newman, Douglas A. 2,974,585.
Newman, Douglas A. 3,011,905.
Newman, Douglas A., and Schlotzhauer. 2,984,582.
Newman, Douglas A., and Schlotzhauer. 3,002,858.
Newman, Douglas A., Schlotzhauer, Vogel, Albert, and Quattrone. 2,967,784.
Newman, Douglas A., and Vaccaro. 2,973,082.

Columbia-Southern Chemical Corp.: *See*—
Baker, Paul H. 2,968,527
Hoekje, Howard H., and Kearley. 2,974,014.
Korach, Malcolm, and Rideout. 2,976,223.
Wilson, William L. 2,968,529.

Columbian Carbon Co.: *See*—
Braendle, Harold A. 2,980,639.
Havard, Robert H. 2,980,511.
Heller, George L. 2,972,473.
Heller, George L. 3,003,854.
Heller, George L., and De Land. 3,003,855.
Lyon, Francis. 3,010,933.
Norris, John S., Jr., and Noone. 2,985,511.

Columbian Rope Co.: *See*—
Koon, Archie W. 2,984,586.

Columbus Auto Parts Co., The: *See*—
Klages, John W. 2,983,520.
Klages, John W. 2,992,697.
Klages, John W. 3,004,768.

Columbus Bolt & Forging Co.: *See*—
Carlile, William A., Jr., and O'Leary. 2,993,616.

Columbus Iron Works Co., Southern Plow Co. Division: *See*—
Kenney, William D. 2,994,143.

Columbus McKinnon Chain Corp.: *See*—
Devonshire, William H. 2,981,204.
Devonshire, William H., Stone, and Manney. 2,972,223.
Mordick, William M., and Lerch. 2,977,894.
Parker, Humphrey F., and Robins. 2,981,203.
Parker, Humphrey F., and Robins. 3,004,498.
Parker, Humphrey F., and Robins. 3,008,430.
Schreyer, Kenneth D. 2,968,257.

Columbus McKinnon Corp.: *See*—
Parker, Humphrey F., and Devonshire. 2,969,954.

Colvin, Charles H. Pressure ratio transducers. 2,985,019, 5–23–61, Cl. 73—398.

Colwell, Charles E., and R. C. Miller, to Union Carbide Corp. Polymeric flocculating agents and process for the production thereof. 3,014,896, 12–26–61, Cl. 260—80.3.

Colwell, Robert E., K. R. Nickolls, and W. M. Underwood, to Monsanto Chemical Co. Extruder screw. 3,007,198, 11–7–61, Cl. 18—12.

Colwill, Richard H., to Farrington Business Machines Corp. Collator. 2,982,542, 5–2–61, Cl. 270—58.

Colyer, Edwin C., and G. W. Brown, to Addressograph-Multigraph Corp. Embossing machine. 2,999,577, 9–12–61, Cl. 197—6.6.

Coma, James G., and M. C. Marcellus, to Food Machinery and Chemical Corp. Leaching of barium silicates containing water-soluble barium salts. 2,983,579, 5–9–61, Cl. 23—186.

Comanor, Milton: *See*—
Mendelsohn, Meyer, and Comanor. 2,994,625.

Comar Electric Co.: *See*—
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Comar Plastics, Inc.: *See*—
West, Robert E. 3,008,160.

Combined Locks Paper Co.: *See*—
Cram, Hervey G. 2,983,379.

Combs, Frayne L., Sr. Chord selectors for chord organs. 3,013,462, 12–19–61, Cl. 84—443.

Combs, Virgil E., to Whirlpool Corp. Shelving arrangement for a refrigerator door. 2,976,098, 3–21–61, Cl. 312—214.

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Armacost, Wilbur H. 2,973,750.
Armacost, Wilbur H. 2,987,052.
Argersinger, John I., and Lowenstein. 3,004,529.
Armacost, Wilbur H. 2,999,483.
Bisbee, Charles B. 2,997,069.
Blaskowski, Henry J. 2,990,161.
Blaskowski, Henry J. 3,003,517.
Chapellier, Robert A. 3,002,774.
Euchner, Perry C., Jr. 3,003,441.
Firl, Arthur C. 2,980,082.
Freiday, Jay H. 2,994,287.
Herold, Conrad J. 2,976,857.
Huet, André. 2,966,934.
Huet, Andre. 2,967,348.
Huet, Andre. 2,976,606.
Huet, André P. J. 2,983,167.
Hunter, Arthur T., Patterson, and Lewis. 2,976,853.
Jackson, Alonzo C., Hunt, and Maier. 3,007,022.
McCormack, Richard A. 2,976,856.
Mittendorf, Harvey C. 2,986,209.
Nehrbas, Howard G. 2,986,128.
Nelson, Gordon E. 2,980,867.
Nelson, Gordon E. 2,997,666.
Ruch, Alan, and Vaughan. 2,970,811.
Smith, Harold S., and Walker. 2,986,645.
Ulmer, Richard C. 2,997,031.
Witzke, Ernest C. 2,980,083.
Wittke, Ernest C. 2,983,259.

Combustion and Explosives Research, Inc.: *See*—
Karlovitz, Bela. 3,004,137.

Comcolloid Inc.: *See*—
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Comeau, John E., R. R. Thomas, and W. T. Watkins, to United States Safety Service Co. Flight deck goggle. 3,009,158. 11–21–61, Cl. 2—14.

Comer, Marvin H., D. W. Terrell, and C. A. Miles, to Textile Licensing Co. Producing dual torque yarn. 2,968,909, 1–24–61, Cl. 57—157.

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Comerio Ercole S.p.A.: *See*—
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Comerma Aymerich, Juan. Drafting train on continuous spinning machines. 3,001,241, 9–26–61, Cl. 19—131.

Comes, George N.: *See*—
Babayan, Vigen K., and Comes. 2,999,023.

Comes, Richard N.: *See*—
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Comes, Richard N., and R. W. Fuller, to Farrel-Birmingham Co. Inc. Doors for rubber mixers or the like. 2,994,100, 8–1–61, Cl. 18—2.

Comfort Lines, Inc.: *See*—
Gelman, Harry A. 2,979,118.
Gelman, Harry A. 3,009,733.
Rossi, Joseph V. 3,007,667.

Comly, Elwood H. Rotary cutters. 2,989,800, 6–27–61, Cl. 29—105.

Commanday, Maurice R., and J. R. Darnell, to Chromizing Corp. Methods for improving the properties of refractory metals. 2,976,194, 3–21–61, Cl. 148—13.1.

Commarato, Joseph, to Standard Container, Inc. Spraying apparatus. 2,996,258, 8–15–61, Cl. 239—361.

Commercial Cable Co., The: *See*—
Della Salle, Louis R. 2,984,753.
Gomes, Abilio A. 2,997,533.

Commercial Cam & Machine Co.: *See*—
Lancaster, Edward W., and Evans. 2,986,949.
McDonald, James A., and Evans. 2,999,311.

Commercial Controls Corp.: *See*—
Blodgett, Edwin O. 2,979,564.

Commercial Filter Corp.: *See*—
McCoy, John R., Tiearney, and Lewis. 2,990,030.

Commercial Shearing and Stamping Co., The: *See*—
Kane, Thomas C. 2,982,220.
Kane, Thomas C. 2,996,993.
Williams, Arthur J. 3,012,576.

Commercial Solvents Corp.: *See*—
Bennett, Edward O. 2,967,829.
Bennett, Edward O. 2,976,244.
Bennett, Edward O. 2,987,479.
Bennett, Edward O., and Hodge. 2,976,236.
Bennett, Edward O., and Hodge. 2,979,455.
Bennett, Edward O., and Hodge. 2,979,456.
Bennett, Edward O., and Hodge. 3,001,934.
Bennett, Edward O., and Hodge. 3,001,935.
Bennett, Edward O., and Hodge. 3,001,936.
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Campbell, Arthur W. 3,006,956.
Frump, John A. 2,990,389.
Houge, Edward B. 2,967,866.
Hodge, Edward B. 2,971,004.
Jones, Lawrence R. 2,990,406.
Miescher, Guido M. 3,001,912.
Peterson, Homer E., and Everett. 3,012,078.
Rosenberg, Adolf. 3,011,892.
Runge, Wallace F. 2,976,282.
Stavely, Homer E. 3,006,914.
Stengel, Leonard A. 2,976,137.
Stengel, Leonard A. 2,978,864.
Tindall, John B. 2,990,404.

Commercial Solvents (Great Britain) Ltd.: *See*—
Podmore, William D., and Bennett. 2,982,791.

Commercial Wire Products Co.: *See*—
Lilja, Oscar G. 2,981,440.

Commerford, John D., and I. Ehrenthal, to Anheuser-Busch, Inc. Process for preparing cross-linked starch ethers in granule form. 2,977,356, 3–28–61, Cl. 260—233.3.

Commissariat a l'Energie Atomique: *See*—
Borrel, Jean, Braffort, Janot, and Pottier. 3,014,655.
Chapeville, François, and Fromageot. 2,996,434.
Chaudron, Georges, Caron, and Cano. 3,005,702.
Chauvin, Guy, Coriou, and Hure. 2,987,462.
Chérel, Guy. 2,973,107.
Correc, Lazare H. 2,970,097.
Dachkevitch, Vsevolod. 3,008,587.
Donguy, Rene P. F. 2,974,749.
Garin, Paul, and Prugne. 3,009,629.
Geller, Richard, and Mongodin. 2,975,957.
Gouyon, Arthur M., Kermagoret, and Pascal. 2,994,782.
Hainzelin, Jean, Jouin, and Prevost. 3,012,791.
Klein, Siegfried. 2,969,480.
Klein, Siegfried. 2,977,495.
Labeyrie, Jacques, and Roguin. 2,987,459.
Lemesle, Georges, and Rouge. 3,011,961.
Marmillion, Rene. 2,967,464.
Martinelli, Pierre P. 2,967,934.
Moulin, Maurice P. A. 3,009,868.
Mouret, Pierre, Parly, and Pottier. 2,982,605.
Perret, Jean, Wuithier, and Roth. 3,007,777.
Plurten, Pierre, and Parisot. 3,010,536.
Redon, Andre. 2,999,738.
Stohr, Jacques A. 2,970,207.
Thien-Chi, Nguyen, and Plurien. 3,001,871.

Commissariat l'Energie Atomique: *See*—
Buffet-Beauregard, Paul, Goupil, and Roguin. 2,994,020.

Commonwealth of Australia: *See*—
Cumming, Ronald W., and Lane. 3,005,185.

Commonwealth of Australia, Department of Supply, The: *See*—
Metcalfe, Kenneth A., and Wright. 3,003,404.

Commonwealth Engineering Co.: *See*—
Toulmin, Harry A., Jr. 2,986,456.

Commonwealth Engineering Co. of Ohio, The: *See*—
Bishop, Alfred E., and Novak. 2,970,141.
Bonner, Frank E., and Ruse. 2,987,714.
Bulloff, Jack J. 2,972,624.
Bulloff, Jack J. 2,993,064.
Ernst, Walter. 2,998,089.
Ernst, Walter. 3,001,233.
Hessinger, Richard W., and Kelly. 2,988,694.
Hessinger, Richard W., and Kelly. 2,989,683.
Hiler, Malvern J. 2,972,178.
Hiler, Malvern J. 2,989,409.
Hiler, Malvern J. 2,998,713.
Hiler, Malvern J. 3,008,306.
Novak, Leo J. 2,982,394.
Novak, Leo J. 2,989,518.
Novak, Leo J. 2,990,299.
Novak, Leo J. 2,993,015.
Novak, Leo J. 2,997,423.
Novak, Leo J. 2,998,139.
Novak, Leo J. 3,000,872.
Novak, Leo J., and Witt. 2,972,567.
Novak, Leo J., and Witt. 2,988,482.
Ruse, Raymond L., and Stamper. 3,008,303.
Toulmin, Harry A., Jr. Re. 25,076.
Toulmin, Harry A., Jr. 2,969,751.
Toulmin, Harry A., Jr. 2,987,095.
Toulmin, Harry A., Jr. 2,989,388.
Toulmin, Harry A., Jr. 2,990,293.
Toulmin, Harry A., Jr. 2,991,243.
Toulmin, Harry A., Jr. 2,995,538.
Toulmin, Harry A., Jr. 3,004,290.
Toulmin, Harry A., Jr. 3,004,841.
Toulmin, Harry A., Jr. 3,006,745.
Toulmin, Harry A., Jr. 3,006,746.

Commonwealth Scientific and Industrial Research Organization: *See*—
Coogan, Clive. 3,012,730.
Walsh, John, and Sinclair. 2,981,985.

Community Gin Co.: *See*—
O'Neal, Andrew. 2,973,559.

Compactors Engineering Ltd.: *See*—
Croucher, Antony H. 3,001,458.

Compagnie de Construction de Gros Materiel Electro-Mecanique: *See*—
Schlumberger, Francois. 2,980,206.

Compagnie de Pont-a-Mousson: *See*—
Breitenstein, Pierre. 2,977,633.
Brunot, Jean-Paul. 3,008,342.

Compagnie de Saint-Gobain: *See*—
Acloque, Paul H. 2,995,060.
Brunot, Jean-Paul. 2,997,892.
Cherrier, Claude, and Jacques. 2,985,573.
De Lajarte, Stéphane. 3,013,888.
Gabilly, Jeannine, and Jobard. 2,983,657.
Lambert, Roger E., and Arbeit. 2,990,438.
Lambert, Roger E., and Dubesset. 2,969,613.
Lamesch, Armand, Jansen, and Knospe. 2,989,826.
Langlois, Pierre L. E. 3,000,724.
Levecque, Marcel, and Brion. 3,007,813.
Locuratolo, Pascal S. J. 3,011,891.
Martin, Yves. 2,971,831.
Monnet, Georges, and Hennequin. 2,984,051.
Moyrand, Jean, and Bigot. 2,978,318.
Peyches, Ivan. 2,990,663.

Compagnie des Ateliers et Forges de la Loire: *See*—
Barrallon, Georges. 2,978,760.

Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer): *See*—
De Framond, Paul. 2,999,298.
Delorme, Jean. 3,010,472.

Compagnie des Compteurs: *See*—
Pelpel, Jacques C. G. 2,972,686.

Compagnie des Machines Bull (Societe Anonyme): *See*—
Descouvemont, Pierre A. 2,986,084.
Feissel, Henri G. 2,982,920.
Feissel, Henri G. 3,000,482.
Samuel, Sergiu. 2,983,828.
Souchot, René. 3,006,641.

Compagnie d'Etudes Techniques et Installations Generales: *See*—
Dorville, Robert. 2,997,189.

Compagnie du Filage des Metaux et des Joints Curty: *See*—
Sejournet, Jacques. 2,971,644.
Sejournet, Jacques. 2,975,509.

Compagnie Francaise de l'Afrique Occidentale: *See*—
Hubert, Jean M. A. 3,013,499.

Compagnie Francaise de Raffinage: *See*—
Gislon, André, Valet, and Bellec. 3,005,856.
Quiquerez, Joseph, and Weisang. 2,967,824.

Compagnie Francaise des Matieres Colorantes: *See*—
Bilger, Xavier. 3,012,908.
Gangneux, Rene E. M. 2,977,354.
Gangneux, René E. M., and Le Blanc. 3,012,843.
Gruiet, Louis, and Roe. 2,993,764.

Compagnie Francaise Thomson-Houston: *See*—
Beurtheret, Charles A. E. 2,969,957.

Compagnie Generale d'Electricite: *See*—
Domenach, Louis. 3,013,101.
Joly, Andre. 2,984,544.
Nicolas, Henry. 2,995,616.
Oswald, Jacques. 3,008,086.
Ponzet, Georges. 2,984,063.

Compagnie Generale d'Electro-Ceramique: *See*—
Meier, Jean H. 3,003,022.
Thevenon, Henri. 2,988,467.

Compagnie Generale de Geophysique: *See*—
Geneslay, Raymond H. J. 3,011,147.

Compagnie Generale de Telegraphie Sans Fil: *See*—
Alexis, Roger, and Simon. 3,001,064.
Broussaud Georges. 2,999,982.
Charles, Daniel, and Dohler. 2,972,700.
Clement, Rene, and Tristan. 2,992,929.
Favre, Maurice. 3,003,119.
Garreta, Olivier. 3,013,161.
Gendreu, Robert, Honore, and Torcheux. 3,001,115.
Gutton, Henri. 2,977,589.
Honore, Etienne, and Torcheux. 3,009,640.
Lerbs, Alfred. 2,972,701.
Lerbs, Alfred, and Reverdin. 2,992,354.
Mazond, Marceline, and Youssov. 2,980,597.
Nalot, Jean P. F. 2,982,879.
Reverdin, Daniel. 2,992,360.
Rigot, Roger, and Boulet. 2,998,331.
Robert, Andre, and Deslandes. 2,975,289.
Sev, Alexandre. 3,011,053.
Tcheditch, Pierre, and Beaugrand. 2,991,432.
Toulemonde, Jacques. 3,003,110.
Vial, Pierre. 3,008,093.
Warnecke, Robert R., and Arnaud. 2,995,675.

Compagnie Generale des Etablissements Michelin (Mechelin & Cie): *See*—
Bourdon, Pierre M. 2,991,820.

Compagnie Generale des Etablissements Michelin (Robert Puiseux & Cie): *See*—
Bourdon, Pierre M. 2,972,966.
Boussu, Gabriel X. R, Neuville, and Saint Frison. 2,966,933.

Compagnie Generale du Duralumin et du Cuivre: *See*—
Tournaire, Marcel, and Tromnier. 2,977,458.
Tschudnowsky, Jean R. 2,987,173.

Compagnie Industrielle des Procedes Raoul Pictet: *See*—
Houplain, Marcel E. 2,990,693.

Compagnie Industrielle des Telephones: *See*—
Alizon, Etienne. 3,012,152.
Burstow, Pierre. 2,999,946.
Burstow, Pierre, and Monin. 2,967,212.
Chalhoub, Christian. 2,991,433.
Demartres, Jean G. 2,993,085.
Oswald, Jacques R. V. 2,973,409.
Weinstein, Georges, Woerth, and Gangneux. 2,993,917.

Compagnie Industrielle du Confort, S.A.: *See*—
Melzassard, Louis. 2,986,745.

Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme: *See*—
Jourdain, André P. 3,006,151.

Compagnie Nord-Africaine de L'Hyperphosphate Reno: *See*—
Cescas, Jean-Baptiste. 2,999,336.

Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz: *See*—
Griengl, Walter. 2,982,816.

Completion Tools, Inc.: *See*—
Courtney, Horace L. 3,003,565.

Compo Shoe Machinery Corp.: *See*—
Dawson, Fred. 2,975,442.

Compostella, Mario: *See*—
Larcher, Silvio, and Compostella. 3,000,989.

Comptoir de l'Industrie Cotonniere, Etablissements Boussac: *See*—
Pelletier, Albert L. G. 2,986,682.

Comptometer Corp.: *See*—
Allward, Walter. 3,009,634.
Goldberg, Arthur E., and Fain. 2,968,946.
Lorenz, Alfred E. 2,970,841.
Mero, Peter G. S. 2,977,059.
Scheuzger, Peter. 2,995,623.
Smith, Robert F. 2,997,302.
Trost, Richard E. 2,984,710.
Walker, Emil C., Jr. 2,980,322.
Zenner, Raymond E. 2,998,485.

Compton, Donald R.: *See*—
Johnson, Eldon A., and Compton. 2,969,745.

Compton, Francis E.: *See*—
Anderson, George B., and Compton. 2,999,403.

Compton, Frank G.: *See*—
Gehrkens, George R., and Compton. 2,977,853.

Compton, John: *See*—
Geiger, Kenneth H., and Compton. 2,967,107.

Compton, Roger H., to Chrysler Corp. Shiftable anchor floating shoe brake. 2,989,150, 6–20–61, Cl. 188—78.

Compton Truck & Equip. Co.: *See*—
Cull, Bruce E. 3,007,588.

Compton, William A., to Thompson Ramo Wooldridge Inc. Structural element. 3,013,641, 12–19–61, Cl. 189—34.

Compudyne Corp.: *See*—
Sawyer, James T., and Flora. Re. 25,032.

Compur-Werk Friedrich Deckel OGH: *See*—
Fahlenberg, Paul. 2,974,577.
Fahlenberg, Paul. 2,978,970.
Fahlenberg, Paul. 2,999,445.
Gebele, Kurt. 2,967,472.
Gebele, Kurt. 2,968,229.
Gebele, Kurt. 2,969,004.
Gebele, Kurt. 2,973,700.
Gebele, Kurt. 2,975,686.
Gebele, Kurt. 2,983,207.
Gebele, Kurt. 2,985,084.
Gebele, Kurt. 2,985,085.
Gebele, Kurt. 2,986,978.
Gebele, Kurt. 2,987,978.
Gebele, Kurt. 3,013,478.
Gebele, Kurt, and Singer. 2,990,761.
Singer, Franz. 2,974,575.
Singer, Franz. 2,983,206.

Computer Control Co., Inc.: *See*—
Dean, Franklin R. 2,999,947.
Dean, Franklin R., Horton, and Massard. 2,978,174.
Forsberg, Robert D. 3,010,667.

Computer Developments Ltd.: *See*—
Tomlinson, Terence B. 3,011,075.

Comroe, Daniel B. Water purifier. 2,987,187, 6–6–61, Cl. 210—244.

Comstock, Charles H., Jr.: *See*—
Alexander, John E., Comstock, Burnett, and McKinney. 3,003,455.

Comte, Jacques. Wrist-watch. 2,990,678, 7–4–61, Cl. 58—88.

Comyn, Raymond H. Nongaseous pyrotechnic delay mixture. 2,974,029, 3–7–61, Cl. 52—2.

Comyn, Raymond H. Nongaseous pyrotechnic delay mixture. 2,990,264, 6–27–61, Cl. 52—2.

Con-Elco: *See*—
Blom, Leonardus M., Jr. 2,972,123.

Conable, Walter F.: *See*—
Carty, Martin F., and Conable. 2,967,420.

Conan, Yves, to Bronzavia S.A. Safety fluid pressure producing device. 3,008,484, 11–14–61, Cl. 137—512.

Conaway, James M.: *See*—
Del Faro, Gordon P., Moline, and Conaway. 2,980,946.

Concelman, Carl W., to Amphenol-Borg Electronics Corp. Two position coaxial switch. 3,010,080, 11–21–61, Cl. 333—7.

Concentro Corp.: *See*—
Radcliffe, Charles S. 2,999,649.

Concepts, Inc.: *See*—
Meth, Harry, and Henderly. 2,990,769.

Conch International Methane Ltd.: *See*—
Beam, Walter W. 3,007,598.
Beckwith, Sterling. 2,986,010.
Beckwith, Sterling. 3,008,483.
Benson, Walter L., and Dahl. 2,971,667.
Bodle, William W. 2,975,607.
Farrell, James H., Hunsaker, and Robinson. 2,982,441.
Henry, James J. 2,970,604.
Henry, James J. 2,983,409.
Henry, James J. 2,986,892.
Kurata, Fred. 3,001,372.
Morrison, Willard L. 2,975,608.
Morrison, Williard L. 2,994,452.
Murphy, John A. 2,983,401.
Murphy, John A. 2,986,011.
Pastuhov, Alexis. 2,978,876.
Pastuhov, Alexis, and Robinson. 2,974,496.
Sliepcevich, Cedomir M. 2,984,080.
Tung, Shao E. 2,996,891.

Concordia Maschinen- & Elektrizitats-G.m.b.H.: *See*—
Sattler, Klaus. 3,003,743.

Concrete Conduit Corp.: *See*—
Bergesen, Howard S., and O'Rourke. 3,014,598.

Concrete Sawing Equipment, Inc.: *See*—
Hatcher, Cecil W. 2,990,660.
Hatcher, Cecil W. 3,007,687.
Hatcher, Cecil W. 3,007,688.

Condie, Marion A., and L. S. Reel, to Ryan Aeronautical Co. Centripetal acceleration compensation computer for stable platform. 2,968,957, 1–24–61, Cl. 74—5.47.

Condis, John G. Coin counting and packaging means. 2,977,736, 4–4–61, Cl. 53—254.

Condit, Harry J., to H. J. and R. M. Condit. Work bench. 3,006,108, 10–31–61, Cl. 45—138.

Condit, Robert E., and J. E. Rhodes, to General Electric Co. Vertical-axis washing and centrifuging machine. 2,986,913, 6–6–61, Cl. 68—12.

Condit, Ruth M.: *See*—
Condit, Harry J. 3,006,108.

Condo, Albert C., Jr.: *See*—
Young, William S., Condo, Hunter, and Iserson. 3,007,783.

Condo, Albert C., Jr., and J. B. Hunter, to The Atlantic Refining Co. Treatment of hydrocarbon oils. 2,970,105, 1–31–61, Cl. 208—295.

Condo, Albert C., Jr., J. B. Hunter, and W. S. Young, to The Atlantic Refining Co. Motor fuel compositions. 2,994,595, 8–1–61, Cl. 44—63.

Condo, Fred E.: *See*—
Martin, Robert W., and Condo. 2,986,582.

Condran, James F., to The Singer Mfg. Co. Feeding mechanism for sewing machines. 3,003,443, 10–10–61, Cl. 112—214.

Condux-Werk Herbert A. Merges K.G.: *See*—
Merges, Herbert A. 2,988,290.

Cone Automatic Machine Co. Inc.: *See*—
Brown, Roger W. 3,009,617.
Davies, Lester F. 2,978,803.

Cone, Irwin C., to The Gates Rubber Co. Sprinkler device. 2,968,440, 1–17–61, Cl. 239—203.

Cone, Joseph H.: *See*—
Youhouse, Joseph, and Cone. 2,989,259.

Cone Mills Corp.: *See*—
Heiss, Marion W. 2,988,801.

Cone, Truett M.: *See*—
Sittel, Richard L., Cone, Ringwald, and Young. 2,997,315.

Conery, William J.: *See*—
Staats, William A., and Conery. 2,969,748.

Cones, Ben. Opening grill. 2,981,327, 4–25–61, Cl. 160—378.

Cones, Van B. Self-triggered sawtooth voltage wave generator. 3,015,078, 12–26–61, Cl. 331—152.

Conescu, Sidney. Bottle carrier. 2,991,908, 7–11–61, Cl. 220—113.

Coney, Kenneth R., R. B. Pyewell, and W. B. Webb, Jr., to E. I. du Pont de Nemours and Co. Composition comprising cellulose derivative amine aldehyde resin and epoxidized oil. 3,003,978, 10–10–61, Cl. 260—15.

Configured Tube Products Co.: *See*—
Alger, Jerry T. 2,987,119.
Alger, Jerry T. 2,999,535.

Congdon, George L., to Burgess Vibrocrafters, Inc. Automatic electric can opener. Re. 24,994, 5–30–61, Cl. 30—4.

Congdon, Kenneth P., to Avco Corp. Incremental sensor. 2,977,487, 3–28–61, Cl. 307—88.5.

Congelli, Henry C., to American Machine & Foundry Co. Ball return. 2,992,000, 7–11–61, Cl. 273—43.

Congelli, Henry C., to American Machine & Foundry Co. Bowling pin conveying mechanism. 3,004,760, 10–17–61, Cl. 273—43.

Congelli, Henry C., R. L. Holloway, and A. E. Levendoski, to American Machine and Foundry Co. Bowling pin and ball elevating mechanism. 2,972,479, 2–21–61, Cl. 273—43.

Congelli, Henry C., and R. L. Holloway, to American Machine & Foundry Co. Bowling pin spotting machine sweep mechanism. 2,984,484, 5–16–61, Cl. 273—54.

Congelli, Henry C., and R. L. Holloway, to American Machine & Foundry Co. Pin elevating mechanism for bowling pin spotting machines. 3,004,761, 10–17–61, Cl. 273—43.

Conger, Channing C., and J. C. Laurence, to The Controllix Corp. Voltage regulator for generators. 2,980,843, 4–18–61, Cl. 322—28.

Conger, Robert L., and A. F. Kudela, to United States of America, Navy. Magnetic core storage device. 2,997,695, 8–22–61, Cl. 340—174.

Congoleum-Nairn Inc.: *See*—
Benedict, Walter E. 2,987,104.
Benedict, Walter E., Weigle, and Dobry. 2,986,197.
Biskup, John, Johnson, and Wetterau. 2,983,622.
Hansen, Herman E. 2,980,477.
Hansen, Herman E. 2,981,580.
Hansen, Herman E., and Austin. 3,000,428.
Heinrichs, Alfred J. 2,987,102.
Kolker, Leona G., Dobry, and Weigle. 2,986,198.
Nagel, Fritz J., French, and Keel. 2,992,963.
Pecker, Calman. 2,989,414.
Petry, Robert K. 2,980,575.
Placente, Anthony N. 3,003,905.
Re Casino, Frank P. 2,978,942.

Conibear, Frank R., to Animal Trap Co. of America. Traps. 3,010,245, 11–28–61, Cl. 43—90.

Conigliaro, Josephine: *See*—
Conigliaro, Thomas S. 3,008,132.
Conigliaro, Thomas S. 3,008,133.

Conigliaro, Salvatore: *See*—
Conigliaro, Thomas S. 3,008,132.
Conigliaro, Thomas S. 3,008,133.

Conigliaro, Thomas S., ¼ each to S. Conigliaro and J. Conigliaro. Mail indicator device. 3,008,132, 11–7–61, Cl. 340—281.

Conigliaro, Thomas S., ¼ to S. Conigliaro, and ¼ to J. Conigliaro. Combined door signal and mail indicator device. 3,008,133, 11–7–61, Cl. 340—281.

Conkey, H. D., & Co.: *See*—
Olsson, Egil G. 3,007,186.

Conkey, Herbert E., W. L. Batchelor, and D. B. Thompson, to International Business Machines Corp. Optical frequency generator for magnetic timing and index tracks. 2,975,017, 3–14–61, Cl. 346—74.

Conklin, Emmett D., E. C. Flanigan, J. M. Ricketts, and W. A. Turunen, to General Motors Corp. Automobile gas turbine. 2,972,230, 2–21–61, Cl. 60—39.31.

Conklin, Joseph P.: *See*—
Schmeck, Robert E., and Conklin. 2,978,202.

Conklin, Lewis H., and R. A. McPherson, Jr., to The B. F. Goodrich Co. Process for preparing phenol derivatives. 2,978,515, 4–4–61, Cl. 260—619.

Conklin, Raymond O., to The American Oil Co. Measuring and charging valve. 2,973,117, 2–28–61, Cl. 222—3.

Conklin, Walter L. Wage computer. 2,990,115, 6–27–61, Cl. 235—79.5.

Conkling, William C., to Wallace & Tierman Inc. Injector. 2,987,007, 6–6–61, Cl. 103—271.

Conkwright, Robert D., and W. D. Novak, to General Precision Inc. Remote card selecting and viewing apparatus. 2,994,740, 8–1–61, Cl. 178—6.

Conlee, George D., to McGraw-Edison Co. Laundry dryer with aerosol container. 3,002,288, 10–3–61, Cl. 34—45.

Conley Frog and Switch Co.: *See*—
Wagner, Clarence O. 3,008,644.

Conley, Kurt H., to Entoleter, Inc. Centrifugal impacting apparatus and support therefor. 2,981,490, 4–25–61, Cl. 241—275.

Conley, Robert F., to Georgia Kaolin Co. Clay bleaching. 3,001,852, 9–26–61, Cl. 23—110.

Conley, Weld E., W. J. Katz, and G. W. Quast, to Chain Belt Co. Apparatus for separation of solids or of liquids from a liquid by flotation. 3,004,672, 10–17–61, Cl. 210—525.

Conly, Ralph A., to Ampex Corp. Magnetic tape apparatus. 2,981,805, 4–25–61, Cl. 179—100.2.

Conmar Products Corp.: *See*—
Berman, Hans. 3,006,820.
Johns, La Moine E. 2,988,796.

Conn, Alfred J., and H. N. Wikelund, to Barber-Colman Co. Folding bleachers. 3,001,243, 9–26–61, Cl. 20—1.126.

Conn, C. G., Ltd.: *See*—
Eash, Edwin R. 2,988,948.
Kent, Earle L. 2,987,950.

Conn, Francis E., C. C. Covert, E. K. Morice, and W. A. Weis, to General Motors Corp. Variable pitch propeller. 3,003,566, 10–10–61, Cl. 170—160.21.

Conn, John B., to Merck & Co., Inc. Purification of silicon halides. 2,970,040, 1–31–61, Cl. 23—205.

Conn, John B., and R. C. Taylor, to Merck & Co., Inc. Process for the production of calcium aluminum hydride. 2,999,005, 9–5–61, Cl. 23—14.

Conn, John B., J. V. Magee, and E. J. Sheehan, to Merck & Co., Inc. Selenides and methods of making same. 3,014,779, 12–26–61, Cl. 23—50.

Conn, Russell T.: *See*—
Faix, William C. 2,977,823.

Connecticut Bank & Trust Co., The: *See*—
Morcom, Richard J., Strauss, and Lorenz. 2,987,996.

Connecticut Hard Rubber Co., The: *See*—
Homeyer, Henry N., and McCarthy. Re. 24,953.
Kidwell, Alfred S., De Francesco, and Grabicki. 2,982,755.
Korotkevich, Nikolai N. 2,974,079.
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Breese, James L., and Huston. 2,966,941.
Breese, James L., and Huston. 2,966,942.
Cargill, William W., Jr. 3,007,070.
Kramer, Leo. 2,969,088.
McCarty, Lourdes V. 2,972,354.
Morgan, John W. 3,007,148.
Orth, Charles D. 2,971,348.
Orth, Charles D., and Burmeister. 2,971,349.
Thornbery, James M. 2,973,672.
Vicenzi, Reno L. 2,969,078.
Vicenzi, Reno L., and Heiser. 2,969,077.
Converse, Maurice. Toy. 3,008,265, 11–14–61, Cl. 46—49.
Converse, Oliver J. Flour and shortening mixer. 2,982,525, 5–2–61, Cl. 259—107.
Converse, Willard B., and J. A. Pugliese, to The M. W. Kellogg Co. Gamma ray projector. 2,984,748, 5–16–61, Cl. 250—106.
Conversion Chemical Corp.: *See*—
Bellinger, Kenneth P. 3,009,849.
Convertawings, Inc.: *See*—
Kaplan, David H. 3,008,524.
Convertine, Frank J. Animated doll. 3,014,312, 12–26–61, Cl. 46—247.
Convery, Robert J.: *See*—
Bro, Manville I., Convery, and Schreyer. 2,988,542
Convery, Robert J., to E. I. du Pont de Nemours and Co. Polymerization catalysts. 2,985,673, 5–23–61, Cl. 260—408.
Conville, John, to In-A-Wall Corp. Window construction. 2,969,834, 1–31–61, Cl. 160—101.
Conway, Carle C., III, to Aerojet-General Corp. Hydraulic valve. 3,000,360, 9–19–61, Cl. 121—41.
Conway, Cyril G., and M. C. G. Smith, to Power Jets (Research and Development) Ltd. Turbine blades. 3,011,761, 12–5–61, Cl. 253—39.15.
Conway, Doyle M. Fish hook mount. 2,986,836, 6–6–61, Cl. 43—25.2.
Conway, George E. Electrolytic reduction furnace constructions and method. 2,980,596, 4–18–61, Cl. 204—67.
Conway, Joseph R.: *See*—
Rosenberg, Andrew M., Conway, and Schulien. 2,977,559.
Conway, Robert D., to Pettibone Mulliken Corp. Free vibratory crusher. 3,001,729, 9–26–61, Cl. 241—148.
Conway, Walter P., A. D. Hoeppner, and W. E. Stageberg, to Bemis Bro. Bag Co. Bags. 2,998,340, 8–29–61, Cl. 154—116.
Conwell, Esther, and A. Many, to Sylvania Electric Products, Inc. Semiconductor device. 3,001,134, 9–19–61, Cl. 324—95.
Conwell, John W., H. E. Luntz, and D. O. Popovac, to Continental Oil Co. Preparation of alkaryl sulfonates. 3,007,961, 11–7–61, Cl. 260—505.
Conyers, John R.: *See*—
Sutton, George P., Albanese, Conyers, Pion, and Isaacs. 2,968,245.
Coogan, Clive, to Commonwealth Scientific and Industrial Research Organization. Program controllers or the like. 3,012,730, 12–12–61, Cl. 236—46.
Coogan, John J. Cultivator attachment for tractors. 3,004,620, 10–31–61, Cl. 172—5.
Cook, Alexander W. Jet-stream aviating system for aircraft. 2,968,452, 1–17–61, Cl. 244—12.
Cook, Charles A., to Clark Equipment Co. Pressure regulator mechanism. 2,990,850, 7–4–61, Cl. 137—540.
Cook, Charles C.: *See*—
Sholine, John H., and Cook. 3,002,616.
Cook, Charles E. Coin stick. 2,996,864, 8–22–61, Cl. 53—254.
Cook, Clifford C., J. E. Howard, and D. Thompson, to National Ro-Tile Corp. Transfer mechanism for tile-making machine. 2,976,595, 3–28–61, Cl. 25—43.
Cook, Clinton D., to General Electric Co. Dielectric liquid and apparatus utilizing same. 2,977,554, 3–28–61, Cl. 336—58.
Cook, Curtiss L., to Deere & Co. Mower with sandblast cutting means. 2,978,856, 4–11–61, Cl. 56—25.
Cook, Donald J.: *See*—
McBee, Earl T., Cook, and Pierce. 2,997,505.
Cook, Donald J., and P. J. Schoemer, to Purolator Products, Inc. Flame arrestor for air filter. 2,973,832, 3–7–61, Cl. 183—71.
Cook, Donald S. Safety lock-out arrangement for portable electric powered equipment. 2,985,800, 5–23–61, Cl. 317—13.
Cook, Edward J., to General Electric Co. Slanted gradient electron gun. 2,975,324, 3–14–61, Cl. 315—5.31.
Cook Electric Co.: *See*—
Andrews, John M. 2,992,304.
Bellamy, John C. 2,968,793.
Eves, Charles E., and Tschupp. 3,000,213.
Flubacker, Charles H. 2,994,757.
John, Robert S., Jr., and Cavallo. 2,988,271.
McDonald, Donald C. 2,986,223.
McDonald, Donald C., and Reich. 2,979,135.
Miller, William H., and Hollen. 2,968,077.
Woodworth, Richard E. 3,006,695.
Cook, Ellsworth D., to General Electric Co. Elongation, length, and velocity gage. 2,989,690, 6–20–61, Cl. 324—34.
Cook, Ellsworth D., to General Electric Co. Temperature measuring apparatus. 2,989,691, 6–20–61, Cl. 324—34.
Cook, Ernest E. Split sockets and wrenches for use therewith. 3,008,363, 11–14–61, Cl. 81—121.
Cook, Ernest E., and H. J. Sadler. Valve construction for fluid pressure pump and the like. 2,998,827, 9–5–61, Cl. 137—543.13.
Cook, Eugene B., to Allis-Chalmers Mfg. Co. Restraining device for rolls operating in pairs. 2,994,261, 8–1–61, Cl. 99—237.
Cook, Frank E.: *See*—
Preiser, Herman S., Cook, and Tytell. 2,992,983.
Preiser, Herman S., Cook, and Tytell. 2,994,658.
Cook, Fred W.: *See*—
Yates, Ray A. 3,003,562.

Cook, George R., to United States of America, Air Force. Balanced phase sensitive detector. 2,992,394, 7–11–61, Cl. 328—133.

Cook, George W.: *See*—
Coleman, Walter W., and Cook. 2,982,063.

Cook, George W. Slow attack-fast release averaging circuit. 2,999,209, 9–5–61, Cl. 328—127.

Cook, George W., to Thiokol Chemical Corp. Mechanical-pneumatical suspension and reference system. 2,976,736, 3–28–61, Cl. 74—5.6.

Cook, George W., and T. B. McGuire, to Reed Research Inc. Telemetering system. 3,009,064, 11–14–61, Cl. 250—219.

Cook, Gerhard A., to Union Carbide Corp. Process for removing ozone from a gas mixture containing ozone and oxygen. 2,975,035, 3–14–61, Cl. 23—222.

Cook, Gerhard A., to Union Carbide Corp. Method and apparatus for storing and transporting ozone. 3,006,153, 10–31–61, Cl. 62—48.

Cook, Gerhard A., to Union Carbide Corp. Ozone solutions. 3,008,902, 11–14–61, Cl. 252—186.

Cook, Gordon H., to Taylor, Taylor & Hobson Ltd. Optical objectives. 2,983,192, 5–9–61, Cl. 88—57.

Cook, Gordon H., to Taylor, Taylor & Hobson Ltd. Control devices for optical objectives of variable focal length. 3,004,471, 10–17–61, Cl. 88—57.

Cook, Hampton R.: *See*—
Raines, Edward E., and Cook. 2,987,971.

Cook, Harold G., to United States of America, Navy. Piston with filter. 7,973,833, 3–7–61, Cl. 183—71.

Cook, Harry G., to United States of America, Navy. Caster wheel brake mechanism. 3,002,589, 10–3–61, Cl. 188—69.

Cook, Henry: *See*—
Morley, Frederick W. W., and Cook. 3,008,689.

Cook, Henry W. Machine for folding newspapers. 2,969,232, 1–24–61, Cl. 270—68.

Cook, Herbert A., Jr. Boat flag-light mast. 2,999,149, 9–5–61, Cl. 240—7.5.

Cook, James F., to Union Oil Co. of California. Antiwear lubricants containing boron esters. 2,975,134, 3–14–61, Cl. 252—40.7.

Cook, Jeremy D., to North American Philips Co., Inc. Scintillation detector. 2,967,935, 1–10–61, Cl. 250—71.5.

Cook, John and R. F., and G. J. Rouse. Endless track and sprocket. 2,987,347, 6–6–61, Cl. 305—23.

Cook, John B., to The Whitney Blake Co. Retractile cords. 3,003,018, 10–3–61, Cl. 174—69.

Cook, John E., and E. H. Mumford, to Owens-Illinois Glass Co. Circulating and cooling system for a liquid metal or metal alloy with mold element. 3,008,271, 11–14–61, Cl. 49—68.

Cook, John M., J. W. Charbonnier, and L. Staunton, to United Wallpaper, Inc. Manufacture of carton blanks. 2,984,161, 5–16–61, Cl. 93—36.

Cook, John W.: *See*—
Burt, Donald A., and Cook. 2,980,264.

Cook, Kenneth, to Walter R. Oreamuno & Co. Circuit indicator device for wired control panels of business machines. 2,977,530, 3–28–61, Cl. 324—51.

Cook, Kenneth A.: *See*—
Easy, Maurice H., Williams, and Cook. 3,007,154.

Cook, Kenneth A. Apparatus for synchronizing the operation of a projector with a tape player. 2,993,408, 7–25–61, Cl. 88—28.

Cook, L. Russell, to Ambrosia Chocolate Co. Chocolate chip type flavoring for ice cream and method of preparing the same. 2,969,285, 1–24–61, Cl. 99—23.

Cook, L. Russell, to Ambrosia Chocolate Co. Method of preparing chocolate flavoring for ice cream. 2,969,286, 1–24–61, Cl. 99—23.

Cook, Lawrence M., H. D. Granberry, J. R. Gruble, and H. L. Jacobs, deceased (C. N. Morgan, Administrator), to Socony Mobil Oil Co., Inc. Material handling system for freight vehicles. 3,006,486, 10–31–61, Cl. 214—75.

Cook, Leonard, and E. J. Fellows, to Smith Kline & French Laboratories. Anorexigenic preparation and method of curbing the appetite. 2,974,148, 3–7–61, Cl. 260—340.5.

Cook, Leslie J.: *See*—
Lindberg, John E., Jr., and Cook. 2,974,274.

Cook, Lucien H.: *See*—
Vasan, Srini, and Cook. 2,992,703

Cook, Melvin A., R. S. Done, and R. C. Woehrman, to E. I. du Pont de Nemours & Co. Method of producing an elongated flexible hose-like explosive column. 3,004,462, 10–17–61, Cl. 86—1.

Cook, Patrick S. L.: *See*—
Moore, David B., and Cook. 2,983,573.

Cook, Paul M., J. B. Meikle, and B. Graham, to W. R. Grace, & Co. Process for treating linear polypropylene. 3,006,829, 10–31–61, Cl. 204—154.

Cook, Ralph L., and E. A. Andrew, to Olin Mathieson Chemical Corp. Process of manufacturing propellent powder. 3,014,246, 12–26–61, Cl. 18—47.2.

Cook, Richard R. Air purifier. 2,969,127, 1–24–61, Cl. 183—7.

Cook, Roger R. Mechanical movement device. 2,985,474, 5–23–61, Cl. 287—52.

Cook, Roy B.: *See*—
Piazze, Thomas E., and Cook. 2,984,055.

Cook, Ruby F.: *See*—
Cook, John and R. F., and Rouse. 2,987,847.

Cook, Stephen O.: *See*—
Miller, Walter A., and Cook. 2,987,776.
Miller, Walter A., Merriam, and Cook. 2,988,783.

Cook, Wayne S., and F. J. Hormuth; said Cook assor. to Sackner Products, Inc. Padding unit. 2,980,570, 4–18–61, Cl. 154—53.6.

Cook, William F., J. A. Roberts, and G. Roethel, to General Dynamics Corp. Manometer surge tank. 2,997,880, 8–29–61, Cl. 73—401.

Cook, William T. Fruit shipping container. 3,008,625, 11–14–61, Cl. 229—23.

Cooke, Albert W. M.: *See*—
Finlayson, Donald, Krzesinski, and Cooke. 2,973,018.

Cooke, Brian A., T. D. Morgan, and H. E. L. G. Schweigart, to South African Council For Scientific and Industrial Research. High-selectivity and conductivity permselective membranes and process for producing same. 2,977,298, 3–28–61, Cl. 204—296.

Cooke, David A.: *See*—
Warren, Ronald G., and Cooke. 2,986,110.

Cooke, David A., to United States of America, Navy. Acoustic depth torpedo. 2,996,027, 8–15–61, Cl. 114—25.

Cooke, David A., and R. H. Kittleman, to United States of America, Navy. Variable enabler. 3,004,506, 10–17–61, Cl. 114—20.

Cooke, Dwight. Educational device for teaching syllables of words. 2,982,032, 5–2–61, Cl. 33—75.

Cooke, Edward G.: *See*—
Harper, Aubrey E., Grigor, and Cooke. 2,977,208.

Cooke Engineering Co.: *See*—
Cooke, Nelson M., and Barline. 2,991,458.

Cooke, Harold G., Jr.: *See*—
Masters, John E., and Cooke. 2,971,942.

Cooke, Harry F., to Texas Instruments Inc. Tetrode transistor FM detector. 2,994,830, 8–1–61, Cl. 329—103.

Cooke, Nelson M., and F. E. Barline, to Cooke Engineering Co. Ignition interference alarm. 2,991,458, 7–4–61, Cl. 340—248.

Cooke, Norman. Low frequency electric induction furnaces. 2,993,943, 7–25–61, Cl. 13—29.

Cooke, Victor F. G.: *See*—
King, Frederick E., Cooke, and Lincoln. 2,999,085.

Cooke, William H.: *See*—
Frashour, Ronald G., and Cooke. 3,003,205.

Cooke, William H., and R. G. Frashour, to Pacific Plywood Co. Flexible dimensionally stable lignocellulosic tile and method for its manufacture. 3,001,902, 9–26–61, Cl. 154—79.

Cooke-Yarborough, Edmund H., to The United Kingdom Atomic Authority of Patents Branch. Transistor bistable circuits. 2,994,002, 7–25–61, Cl. 307—88.5.

Cookman, Erlo B. Swimming pool safety apparatus and method. 2,971,203, 2–14–61, Cl. 4—172.

Cooksey, William H., to Joseph Lucas (Industries) Ltd. Interrupters for engine spark-ignition apparatus. 2,989,601, 6–20–61, Cl. 200—30.

Cookson, Albert E., to International Telephone and Telegraph Corp. Frequency search and track system. 3,007,044, 10–31–61, Cl. 250—20.

Cookson Co., The: *See*—
Wardlaw, Russell. 3,007,342.

Cookson, Harold, R. W. E. Mosse, and B. H. Oxborrow, to The Metal Box Co. Ltd. Carton-closing machine. 3,002,329, 10–3–61, Cl. 53—375.

Cooley, Carl R., to United States of America, Atomic Energy Commission. Spiral contactor for solvent extraction column. 2,988,429. 6–13–61, Cl. 23—270.5.

Cooley, Charles M., and M. J. Parhomek, to Spencer Chemical Co. Ammonium nitrate explosive composition. 2,975,046, 3–14–61, Cl. 52—14.

Cooley, George: *See*—
Petrow, Vladimir, Cooley, and Ellis. 2,985,651.

Cooley, John A. Book carrier. 2,983,415, 5–9–61, Cl. 224—45.

Cooley, Morris R., to Daffin Corp. Agricultural implement and mounting means therefor. 2,982,081, 5–2–61, Cl. 56—377.

Cooley, Robert A. Ignition system for rocket motors. 2,974,484, 3–14–61, Cl. 60—39.47.

Cooley, Robert A., to Olin Mathieson Chemical Corp. Timing device. 2,999,910, 9–12–61, Cl. 200—52.

Cooley, Robert A., and H. A. Bruson, to Olin Mathieson Chemical Corp. Nitrocellulose propellants containing lead salts of aliphatic acids. 2,982,638, 5–2–61, Cl. 52—.5.

Cooley, Stone D., and M. Slovinsky, to Celanese Corp. of America. Process for preparing synthetic lubricants. 2,991,297, 7–4–61, Cl. 260—410.6.

Cooley, Thomas P., to The Stanley Works. Sabre saw. 2,988,924, 6–20–61, Cl. 74—50.

Coolidge, Charles H., to Curtis & Marble Machine Co. Sewing machine. 3,009,428, 11–21–61, Cl. 112—2.

Coolidge, John E., and R. J. S. Brown, ½ to Borg-Warner Corp., and ½ to California Research Corp. Induction and nuclear magnetism logging. 3,004,212, 10–10–61, Cl. 324—.5.

Coolidge, John E., Jr., and L. T. Work, to Borg-Warner Corp. Electric precipitators. 2,974,747, 3–14–61, Cl. 183—4.3.

Coolidge, Paul C. Metering dispenser for flowable materials. 3,007,611, 11–7–61, Cl. 222—137.

Coombs, Chadwick A., to Allis-Chalmers Mfg. Co. Rotating fuel element reactor pump. 2,980,667, 4–18–61, Cl. 200—193.2.

Coon, George M.: *See*—
Andrus, Everett H., and Coon. 3,004,647.

Coon, Harold R., Sr.: *See*—
Webster, Kenneth L., Ball, and Coon. 2,971,305.

Coonrod, Noble S. Leaf-spring mounting bracket. 2,986,389, 5–30–61, Cl. 267—56.
Coonrod, William C., and J. C. Shuart. Dispensing devices. 3,014,627, 12–26–61, Cl. 226—74.
Coons, William C., W. W. McKimm, and D. W. Pease, to Curtiss-Wright Corp. Automatic polishing device for metallographic specimens. 2,984,951, 5–23–61, Cl. 51—131.
Cooper, Albert S., Jr.: *See*—
Keating, Esmond J., Cooper, and Walker. 2,972,769.
Cooper, Alfred S., to Moloney Electric Co. Belt wrapper for magnetic cores. 3,006,572, 10–31–61, Cl. 242—78.5.
Cooper Alloy Corp.: *See*—
Hookway, William C. 3,006,597.
Cooper, Alexander T. Well fishing tool. 2,977,147, 3–28–61, Cl. 294—65.5.
Cooper, Alva N., deceased; H. Potter, administrator, ½ to H. Rose, and ½ to Harmon Enterprises, Inc. Cribbing wall. 2,972,870, 2–28–61, Cl. 61—47.
Cooper, Benjamin. Automatic tool collector having a toll rate selecting means. 2,989,736, 6–20–61, Cl. 340—213.
Cooper, Benjamin, and C. Sinclair, to General Electric Co. Current regulator. 2,975,356, 3–14–61, Cl. 323—4.
Cooper, Benjamin, and A. Hohmann, to American Electronics, Inc. Camera. 2,998,761, 9–5–61, Cl. 95—1.1.
Cooper-Bessemer Corp., The: *See*—
Hines, John D. 2,980,088.
Miller, Carl D. 2,992,532.
Cooper, Carl F. Electroplating process. 2,977,295, 3–28–61, Cl. 204—43.
Cooper, Charles M., to United States of America, Atomic Energy Commission. Deflection pressure tester. 2,966,794, 1–3–61, Cl. 73—40.
Cooper, Dexter P., Jr.: *See*—
Casselman, Robert C., Cooper, and Otis. 2,969,721.
Cooper, Dexter P., Jr., to Polaroid Corp. Electric lamp. Re. 25,017, 8–8–61, Cl. 313—221.
Cooper, Francis H., and G. W. Tew, to Sperry Rand Corp. Longitudinal seam sealer. 2,982,334, 5–2–61, Cl. 154—42.
Cooper, Frederick D.: *See*—
Kersey, Albert H., and Cooper. 3,002,571.
Cooper, Glenn F.: *See*—
Kahn, Manfred, and Cooper. 3,002,137.
Cooper, Gordon: *See*—
Brower, George H., Hooten, and Cooper. 2,966,976.
Cooper, Henry E., III, to Terrell Corp. Method and apparatus for cementing heels to shoes. 3,012,260, 12–12–61, Cl. 12—42.
Cooper, Herbert W., to Litton Industries of Maryland, Inc. Surface wave antenna array with radiators for coupling surface wave to free space wave. 2,993,205, 7–18–61, Cl. 343—771.
Cooper, Howard F., to Allis-Chalmers Mfg. Co. Rocking axle and restraining device therefor. 2,994,546, 8–1–61, Cl. 280—111.
Cooper, Hugh S., to W. M. Well. Deposition of boron from fused salt baths. 2,984,605, 5–16–61, Cl. 204—60.
Cooper, Jack A. Disposable bib and package. 3,001,646, 9–26–61, Cl. 206—58.
Cooper, Jacob. Portable lifting device. 2,966,993, 1–3–61, Cl. 214—1.
Cooper, James G. R., to Norton Co. Powered rotary truing device. 3,006,332, 10–31–61, Cl. 125—11.
Cooper, James M., to General Electric Co. Signal voltage amplitude limiter and phase discriminator. 2,974,269, 3–7–61, Cl. 323—9.
Cooper, James M., R. M. Lichtenstein, and E. J. Smith, to General Electric Co. Position indicating system. 2,992,330, 7–11–61, Cl. 250—71.5.
Cooper, Jasper C. Automatic means for cleaning and deodorizing flush tanks and toilet bowls. 3,009,168, 11–21–61, Cl. 4—228.
Cooper, John A. D., to Northwestern University. Galactose oxidase. 3,005,714, 10–24–61, Cl. 99—54.
Cooper, Joseph H., to The Taylor-Winfield Corp. Strip welding apparatus. 3,007,031, 10–31–61, Cl. 219—125.
Cooper, Kenneth K., to General Electric Co. Unitary dehumidifying and heating apparatus for use in appliances and the like. 2,984,088, 5–16–61, Cl. 62—401.
Cooper, Lemuel B.: *See*—
Anderson, Maynard E., and Cooper. 2,975,945.
Cooper, Lemuel B., to American Radiator & Standard Sanitary Corp. Multi-purpose diaphragm gas valve. 2,980,133, 4–18–61, Cl. 137—495.
Cooper, Lewis, Jr., and R. B. Koschmann, to General Motors Corp. Compressor vane mounting. 3,000,552, 9–19–61, Cl. 230—132.
Cooper, Murray S., to American Cyanamid Co. Single use, prepackaged vaccinator. 2,974,787, 3–14–61, Cl. 206—63.2.
Cooper, Murray S., to American Cyanamid Co. Intracutaneous injector with controlled entrance angle. 3,010,455, 11–28–61, Cl. 128—253.
Cooper, Orin N. Loose material compacting means. 2,988,972, 6–20–61, Cl. 94—48.
Cooper, Paul D., and Z. S. Zimny, to E. I. du Pont de Nemours and Co. Process for producing polymeric pellets by cutting surface cooled strands. 2,975,483, 3–21–61, Cl. 18—47.5.
Cooper, Paul V.: *See*—
Holcomb, Don R., and Cooper. 2,995,750.
Cooper, Ralph D. Bridge bidding device. 3,013,349, 12–19–61, Cl. 35—75.
Cooper, Ralph F., and J. R. Yoho, to The B. F. Goodrich Co. Apparatus for applying vent yarns to rubberized fabric. 2,984,196, 5–16–61, Cl. 112—79.
Cooper, Ray D. Storage building construction. 3,000,061, 9–19–61, Cl. 20—1.
Cooper, Robert S., to Stauffer Chemical Co. Beta-chloroethyl diphenylphosphinite and method of producing same. 3,005,000, 10–17–61, Cl. 260—461.
Cooper, Ronald H., to The Dow Chemical Co. Foundry core sand compositions. 2,967,338, 1–10–61, Cl. 22—194.
Cooper, Ronald H., to The Dow Chemical Co. Foundry sand compositions and method of casting. 2,975,494, 3–21–61, Cl. 22—193.
Cooper, Ronald H., to The Dow Chemical Co. Coal acid coated particulate foamable styrene polymer compositions. 3,013,894, 12–19–61, Cl. 117—33.
Cooper, Roydon B., and A. H. Malinovszky, to Barrier, Inc. Method of fabricating heat reflecting and insulating material and product resulting from said method. 3,006,403, 10–31–61, Cl. 154—44.
Cooper, Stewart A. Concealed pocket for football players pants. 2,977,602, 4–4–61, Cl. 2—247.
Cooper, Theodore W., to Hughes Aircraft Co. Semiconductor devices. 3,007,092, 10–31–61, Cl. 317—240.
Cooper Tire & Rubber Co.: *See*—
Heintzelman, Henry C. 2,973,952.
Cooper, Wilfrid, to Dunlop Rubber Co. Ltd. Aqueous dispersions of gelatinous polymeric reaction products. 3,009,891, 11–21–61, Cl. 260—23.7.
Cooper, William, & Nephews, Inc.: *See*—
Wittlinger, Philip. 2,987,439.
Cooper, William M., to Champion Mfg. Co. Cutting machine. 2,998,812, 9–5–61, Cl. 125—13.
Cooperative Industries, Inc.: *See*—
Lamb, John M. 2,991,434.
Cooperrider, Myron T.: *See*—
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Swenson, Paul F., and Cooperrider. 3,001,479.
Coopers, Inc.: *See*—
Brugger, Kenneth C. 3,011,295.
Coopersmith, Rudolph, M. Lozano, and J. Greenblatt, to American Bed & Spring Co. Foldable lock for sofa beds. 2,975,433, 3–21–61, Cl. 5—55.
Cooperstein, Raymond, and G. R. Anderson, to United States of America, Atomic Energy Commission. Preparation of beryllium oxide of high purity. 2,974,012, 3–7–61, Cl. 23—183.
Cooprider, Rex C.: *See*—
Stewart, James U., and Cooprider. 2,966,861.
Stewart, James U., and Cooprider. 2,974,880.
Cootes, Harold E., to AMP Inc. Terminal applicator. 3,002,547, 10–3–61, Cl. 153—1.
Coover, Delos G. A. Irrigation pipe coupling. 2,973,780, 3–7–61, Cl. 137—517.
Coover, Harry W., Jr.: *See*—
Cash, George O., Jr., and Coover. 3,004,017.
Joyner, Frederick B., and Coover. 2,996,475.
McCall, Marvin A., and Coover. 2,968,669.
McConnell, Richard L., and Coover. 2,972,628.
McConnell, Richard L., and Coover. 2,992,219.
Coover, Harry W., Jr., to Eastman Kodak Co. Graft copolymer of acrylonitrile and an unsaturated monomer with a preformed interpolymer of a vinyl/pyridine and a comonomer. 3,014,008, 12–19–61, Cl. 260—45.5.
Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component metal hydride-transition metal halide catalyst and olefin polymerization process therewith. 2,967,856, 1–10–61, Cl. 260—93.7.
Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component alkyl aluminum halide catalysts for olefin polymerization. 2,969,345, 1–24–61, Cl. 260—93.7.
Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component catalyst for polymerizing olefins containing a mixture of metals and a halogen. 2,969,346, 1–24–61, Cl. 260—93.7.
Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. Four-component mixed metal-halogen catalysts for olefin polymerization. 2,972,607, 2–21–61, Cl. 260—93.7.
Coover, Harry W., Jr., and G. O. Cash, Jr., to Eastman Kodak Co. Process and two-component transition metal dihalide catalyst for polymerizing olefins. 2,972,608, 2–21–61, Cl. 260—93.7.
Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component catalyst for olefin polymerization containing alkali metal-aluminum tetraalkyl, tranaition metal halide, and organophosphorus compound, and polymerization process therewith. 2,973,348, 2–28–61, Cl. 260—93.7.
Coover, Harry W., Jr., and W. C. Wooten, Jr., to Eastman Kodak Co. Olefin polymerization using a transition metal halide and a reduced aromatic hydrocarbon as catalyst. 2,976,272, 3–21–61, Cl. 260—94.9.
Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. Process for making graft copolymers containing acrylonitrile and a vinyl pyridine. 2,990,393, 6–27–61, Cl. 260—45.5.
Coover, Harry W., Jr., and D. J. Shields, to Eastman Kodak Co. Sizing compositions for textile yarns. 2,992,943, 7–18–61, Cl. 117—139.5.

Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. Three-component olefin polymerization catalyst containing an aluminum sesquihalide and a transition metal compound. 3,004,015, 10–10–61, Cl. 260—93.7.

Copal Koki Co., Ltd.: *See*—
Ieda, Tokutaro, Kojima, and Yokota. 3,008,395.

Cope, Geoffrey W., to Symington Wayne Corp. Transition coupling. 2,973,872, 3–7–61, Cl. 213—112.

Cope, Geoffrey W., and H. Winther, to Symington Wayne Corp. Coupler support. 2,998,144, 8–29–61, Cl. 213—61.

Cope, Le Roy C., L. V. Nelson, and G. R. Meacham. Wash-up device for printing press. 2,969,735, 1–31–61, Cl. 101—425.

Cope, Paul E., to The Procter & Gamble Co. Carton. 2,981,-455, 4–25–61, Cl. 229—14.

Cope, Paul E., and A. G. Sturdevant, to The Procter & Gamble Co. Instrument for testing bulge resistance of sheet material. 3,008,328, 11–14–61, Cl. 73—100.

Cope, Richard P., Jr.: *See*—
Harrover, Robert E., Jr., and Cope. 2,997,428.
Oatman, Elmer L. 2,988,165.
Phillips, Oscar G. 2,987,891.

Cope, Richard P., Jr., R. W. Harrover, Jr., and M. Ceresa, to Westinghouse Electric Corp. Acid copper addition agent. 2,972,572, 2–21–61, Cl. 204—52.

Cope, William E., and D. E. Tomkins, to Shenango China, Inc. Decorating apparatus for hollow ceramic ware. 2,974,584, 3–14–61, Cl. 101—39.

Copeland, George R.: *See*—
Van Den Houten, Raymond F., and Copeland. 2,992,351.

Copeland, John S., F. P. Miller, and V. A. Tasker, to Continental Carbon Co. Guide devices for roller presses. 2,986,-083, 5–30–61, Cl. 100—154.

Copeland, Robert P., and G. P. Reintjes; said Copeland assor. to said Reintjes. Externally suspended cast refractory. 2,982,237, 5–2–61, Cl. 110—99.

Copeland, Thomas D., Jr.: *See*—
Green, William G. 2,982,354.

Copelin, Harry B., and D. I. Garnett, to E. I. du Pont de Nemours and Co. Decarbonylation of furfural. 3,007,941, 11–7–61, Cl. 260—346.1.

Copenhaver, John W.: *See*—
Hanford, William E., Copenhaver, and Davis. 2,967,887.

Copenhaver, John W., J. Kwiatek, and H. R. Davis, to The M. W. Kellogg Co. Method for preventing color reversion of fatty material. 3,004,048, 10–10–61, Cl. 260—398.5.

Copenhefer, John E., to American Air Filter Co., Inc. Method and apparatus for making filamentous mat. 2,984,286, 5–16–61, Cl. 154—1.

Coper, Kurt, to The Daven Co. Precision wire-wound resistor. 3,012,216, 12–5–61, Cl. 338—322.

Copes, John C. Split mechanical seal. 2,996,319, 8–15–61, Cl. 286—11.15.

Copes, Joseph P., to General Aniline & Film Corp. Esters of 1,4-butanediol and 1,2,4-butanetriol as rust inhibitors. 2,976,245, 3–21–61, Cl. 252—57.

Copes, Joseph P., and R. L. Mayhew, to General Aniline & Film Corp. Inhibition of false set in Portland cement. 3,000,746, 9–19–61, Cl. 106—94.

Copes, Joseph P., R. L. Mayhew, and E. P. Williams, to General Aniline & Film Corp. Petroleum hydrocarbon compositions. 3,012,966, 12–12–61, Cl. 252—34.

Coplan, Rachel. Directional cap for spray dispenser. 2,985,382, 5–23–61, Cl. 239—288.

Copland George V.: *See*—
Smith, Edward W., and Copland. 2,999,557.

Coplen, Milo G. Plant container. 2,968,124, 1–17–61, Cl. 47—37.

Copleston, Francis W., and J. J. Orton, to The British Oxygen Co. Ltd. Electric arc welding. 3,005,902, 10–24–61, Cl. 219—127.

Copolymer Rubber & Chemical Corp.: *See*—
Carpenter, Paul G. 2,993,020.

Copp, William G., to Rockwell Mfg. Co. Tilt and elevating mechanism for tilting arbor saws. 3,011,529, 12–5–61, Cl. 143—36.

Coppa, Anthony P., to Westinghouse Electric Corp. Bimetallic shroud structure for rotor blades. 2,970,808, 2–7–61, Cl. 253—77.

Coppage, Frederick C.: *See*—
Bowman, Lawrence E., and Coppage. 2,970,770.

Copperweld Steel Co.: *See*—
Jones, Joseph H. 3,001,059.
Terrell, Phillip A. 3,013,332.
Washburn, Charles W., and Heidish. 3,011,255.

Coppick, Sydney: *See*—
Eberl, James J., and Coppick. 3,004,884.
Eberl, James J., and Coppick. 3,006,561.

Copping, Bruce G., to Atkron, Inc. Full depth bottle uncaser. 3,011,667, 12–5–61, Cl. 214—304.

Copping, Geoffrey P., to Her Majesty's Postmaster General. Sorting methods. 3,000,498, 9–19–61, Cl. 209—81.

Copping, Geoffrey P., T. R. Myers, and D. J. Parker, to Her Majesty's Postmaster General. Segregating apparatus. 2,993,594, 7–25–61, Cl. 209—106.

Coppinger, Galvin M., to Shell Oil Co. Free radicals of 4,4'-bis(2,6-di-tert-alkylhydroxyphenyl) amines. 3,004,042, 10–10–61, Cl. 260—396.

Copson, David A.: *See*—
Pierce, Bayard C., O'Donnell, Robinson, and Copson. 2,997,566.

Corbell, George S.: *See*—
Anderson, Carl F., and Corbell. 3,008,122.

Corbett, Donald T. Football jersey having hand-holds. 3,014,219, 12–26–61, Cl. 2—90.

Corbett, Edward A.: *See*—
Busby, Leslie R. 2,991,972.
Busby, Leslie R., and King. 2,970,804.

Corbett, Marshall J., to Thompson Ramo Wooldridge Inc. Control for a semi-solid monofuel driven turboalternator and pump system. 2,971,097, 2–7–61, Cl. 290—2.

Corbett, Marshall J., to Thompson Ramo Wooldridge Inc. Propulsion system. 2,975,746, 3–21–61, Cl. 114—20.

Corbett, Marshall J., to Thompson Ramo Wooldridge Inc. Fuel supply control system for supplying multiple combustion zones in afterburners. 2,988,883, 6–20–61, Cl. 60—39.28.

Corbett, Marshall J., to Thompson Ramo Wooldridge Inc. Triple pass drag turbine. 2,989,284, 6–20–61, Cl. 253—40.

Corbett, Marshall J., to Thompson Ramo Wooldridge Inc. Turbine driven pump inducer. 3,004,494, 10–17–61, Cl. 103—88.

Corbett, Michael J., Jr., F. H. Osborne, and R. S. Tuttle, to The Rudolph Wurlitzer Co. Automatic phonograph. 3,008,721, 11–14–61, Cl. 274—10.

Corbett, Philip H., and J. Brace, to Brace & Corbett, Inc. Foot steering apparatus for outboard motor boats. 2,968,273, 1–17–61, Cl. 114—153.

Corbett, Philip W., to General Dynamics Corp. Safety means for tank caps. 3,006,499, 10–31–61 Cl. 220—40.

Corbett, Thomas H. Measuring pump. 2,971,466, 2–14–61, Cl. 103—50.

Corbett, William H.: *See*—
Erickson, Howard L., and Corbett. 3,006,378.

Corbiere, Paul J., to Societe Rhodiaceta. Prosthesis consisting of textile materials. 3,011,527, 12–5–61, Cl. 139—387.

Corbin, Austin, Jr.: *See*—
Thomson, Wallace B., and Corbin. 2,992,981.

Corbin, Robert G.: *See*—
Brown, Carl F., Jr., and Corbin. 2,980,057.

Corbitt, Howard E., R. W. Cunningham, and R. M. Hill, Jr., to Aerojet-General Corp. Control system. 2,984,971, 5–23–61, Cl. 60—35.6.

Corcoran, Joseph F., Shoe Co., Inc.: *See*—
Ferreira, Joseph J. 2,995,837.

Corcreham, Richard and S. Mining drill extractor. 2,967,-044, 1–3–61, Cl. 254—30.

Corcreham, Steven: *See*—
Corcreham, Richard and S. 2,967,044.

Corde De Parie Corset Co., Inc.: *See*—
Steiner, Harry. 2,973,764.

Cordell, Martin, to Studley Paper Co., Inc. Lint filter bag. 2,995,205, 8–8–61, Cl. 183—51.

Cordes, Harry W., to Friden, Inc. Universal diode board. 2,990,499, 6–27–61, Cl. 317—101.

Cordes, William J. Earth anchor. 2,973,065, 2–28–61, Cl. 189—90.

Cordier, Andre. Work feed control for sewing and the like machines. 2,971,483, 2–14–61, Cl. 112—205.

Cording, James, Jr.: *See*—
Sullivan, John F., Cording, and Willard. 3,012,897.

Cordis Corp.: *See*—
Murphy, William P., Jr. 3,013,656.

Cordis, Nat. Continuous stock feeder and jumbo hopper. 2,994,299, 8–1–61, Cl. 119—52.

Cordis, Nat. Continuous poultry feeder. 2,995,109, 8–8–61, Cl. 119—52.

Cordis, Nat. Hammer. 3,000,414, 9–19–61, Cl. 145—29.

Cords, Helmuth, J. C. Megna, D. W. Grant, and E. M. Butterworth, to Olin Mathieson Chemical Corp. Preparation of cyanocobalamins. 2,971,891, 2–14–61, Cl. 195—114.

Cordt, Werner: *See*—
Lohs, Willy, Sommer, Lehmann, Haase, and Cordt. 2,978,556.

Core Laboratories, Inc.: *See*—
Edwards, Robert B., and Koepf. 2,967,932.
Knight, Robert F., and Jenkins. 2,988,915.

Corey, Charles E.: *See*—
Fiero, Carl D., and Corey. 2,986,595.

Corey, Frederick C.: *See*—
Pitts, Robert D., and Corey. 2,990,573.

Corey, Joseph T., to Scott Aviation Corp. Pressure reducing regulator. 3,003,520, 10–10–61, Cl. 137—505.43.

Corey, Kenneth S. Method and means for conditioning shaving lather. 2,998,684, 9–5–61, Cl. 53—25.

Coriou, Henri: *See*—
Chauvin, Guy, Coriou, and Hure. 2,987,462.
Herenguel, Jean, Lelong, Grall, and Coriou. 3,010,824.

Cork, Gordon H.: *See*—
Hafner, William J., and Cork. 2,970,791.

Cork, Harry A.: *See*—
Bricknell, Frank S., and Cork. 2,992,131.

Corken's, Inc.: *See*—
Kennedy, Garth P. 2,973,779.

Corley, Boyce M., and O. D. Ratliff, Jr., to Phillips Petroleum Co. Solid composite rubber base propellants containing reinforcing agent of resinous aldehyde condensate. 2,995,432, 8–8–61, Cl. 52—.5.

Corley, Charles B., Jr.: *See*—
Tausch, Gilbert H., Corley, and Kenneday. 2,994,380.

Corley, Charles B., Jr., G. H. Tausch, and J. W. Kenneday, to Jersey Production Research Co. Pump tool for reworking submarine wells. 3,003,560, 10–10–61, Cl. 166—70.

Corley, Clifton. Toothbrush holder and paste dispenser. 3,002,798, 10–3–61, Cl. 312—207.

Corley, Foss E.: *See*—
Miller, Aaron, and Corley. 2,992,188.

Corley, Joseph A.: *See*—
Taylor, Arthur S., and Corley. 2,985,192.

Corley, Richard S.: *See*—
Blount, Elkan R., Corley, Green, and Simon. 2,992,106.

Corley, Richard S., to Polaroid Corp. Photographic products, processes and compositions. 2,983,605, 5–9–61, Cl. 96—29.

Corley, Richard S., and M. Green, to Polaroid Corp. Photographic diffusion transfer reversal processes. 2,992,105, 7–11–61, Cl. 96—29.

Corliss, Edith L. R., M. D. Burkhard, and W. Koidan, to United States of America, Commerce. System for monitoring and controlling the motion of a sound source. 2,968,695, 1–17–61, Cl. 179—1.

Corliss, Robert F. Portable flushing toilet. 3,005,993, 10–31–61, Cl. 4—115.

Cormia, Keith C.: *See*—
Chestnutt, Robert E., and Cormia. 2,998,135.

Cormier, Alcide O., to Cormier Hosiery Mills, Inc. Double patterned top hosiery. 2,986,025, 5–30–61, Cl. 66—172.

Cormier, Alcide O., to Cormier Hosiery Mills, Inc. Elastic fabric for a stocking top. 3,013,420, 12–19–61, Cl. 66—190.

Cormier, Claude J., and R. D. Alarie, to Canadian Celanese Ltd. Jet for fluid treatment of yarn. 2,995,801, 8–15–61, Cl. 28—1.

Cormier Hosiery Mills, Inc.: *See*—
Cormier, Alcide O. 2,986,025.
Cormier, Alcide O. 3,013,420.

Corn Products Co.: *See*—
Armbruster, Frederick C. 3,012,944.
Gooding, Chester M., and Melnick. 2,973,268.
Hobbs, Kenneth C. 2,999,090.
Howland, Doy W. 3,010,917.
Katzbeck, Walter J. 2,999,031.
Kerr, Ralph W. 2,967,804.
Kerr, Ralph W. 2,970,086.
Kerr, Ralph W., Paschall, and Minkema. 2,967,178.
Melnick, Daniel. 2,970,917.
Melnick, Daniel. 2,973,269.
Melnick, Daniel. 2,983,615.
Melnick, Daniel, and Akerboom. 2,983,618.
Melnick, Daniel, Vahlteich, and Bohn. 2,997,394.
Paschall, Eugene F., and Minkema. 2,995,513.
Perry, George A., and Lawrence. 2,974,046.
Roederer, Helmut, and Völker. 2,999,017.
Roederer, Helmut, and Zinke. 2,999,030.
Schaub, Gordon C. 2,987,082.
Unger, Lloyd G., and Howland. 3,010,953.
Van Tittleboom, Marcel L. E. 2,995,245.
Van Tittleboom, Marcel L. E. 2,995,246

Cornell, Ernest R. Liquid dispensing machine. 3,011,684, 12–5–61, Cl. 222—214.

Cornelison, Boyd, and E. A. Wolff, Jr., to Texas Instruments Inc. Method of forming semiconductive devices. 2,966,720, 1–3–61, Cl. 29—25.3.

Cornelison, Boyd, and M. K. Mack, to Texas Instruments Inc. Method for making semiconductor devices. 2,970,896, 2–7–61, Cl. 41—43.

Cornelison, Boyd, and E. A. Wolff, Jr., to Texas Instruments Inc. Diffused transistor and method of making. 2,979,429, 4–11–61, Cl. 148—1.5.

Cornelison, Boyd, J. H. Eddleston, A. D. Evans, M. Sheppard, Jr., R. L. Trent, and E. A. Wolff, Jr., to Texas Instruments Inc. Novel header of semiconductor devices. 2,990,501, 6–27–61, Cl. 317—234.

Cornelius Co., The: *See*—
Cornelius, Richard T. 2,981,280.

Cornelius, George W., to Holley Carburetor Co. Intake manifold vacuum actuated fuel shut-off apparatus. 2,993,485, 7–25–61, Cl. 123—97.

Cornelius, Richard T., to The Cornelius Co. Pressure regulating valves. 2,981,280, 4–25–61, Cl. 137—505.26.

Cornell, Archie R., and B. A. Wyman, to Westinghouse Electric Corp. Core constructions. 2,977,555, 3–28–61, Cl. 336—165.

Cornell-Dubilier Electric Corp.: *See*—
McIlngh, James F. 3,015,052.
Todd, Gerald B. 2,983,860.

Cornell, Edward S., Jr., to Penn-Union Electric Corp. Transformer connector. 3,001,166, 9–19–61, Cl. 339—32.

Cornell, Edward S., Jr., to Penn-Union Electric Corp. Neutral bar connector. 3,001,172, 9–19–61, Cl. 339—242.

Cornell, Edward S., Jr., to Penn-Union Electric Corp. Connector. 3,001,174, 9–19–61, Cl. 339—263.

Cornell, Frank J., to The Ohio Crankshaft Co. Coil turn insulation in vicinity of tap lug. 3,013,106, 12–12–61, Cl. 174—71.

Cornell, Frederick S. Artificial fireplace apparatus. 2,984,032, 5–16–61, Cl. 40—106.52.

Cornell, John A.: *See*—
Erickson, Wallace A., and Cornell. 3,005,801.

Cornell Paperboard Products Co.: *See*—
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Cornet, André. Piston. 2,999,727, 9–12–61, Cl. 309—10.

Cornet, André. Pistons. 3,009,749, 11–21–61, Cl. 309—10.

Cornett, Glenn. Wrist watch and band protector. 2,998,695, 9–5–61, Cl. 58—105.

Corney, John V. J.: *See*—
Rozner, Felix, Oakes, and Corney. 2,982,921.

Corning Glass Works: *See*—
Allen, Richard E., and Rothermel. 2,989,384.
Barr, Frederick E., and Blanding. 2,982,410.
Bair, George J. 2,994,161.
Blanding, Wendell S., and Hocker. 2,978,564.
Bush, Robert C. 2,978,099.
Calkins, Faye A., and Morrissey. 3,013,362.
Dahlman, Frederick A. 2,977,718.
Dickey, Clyde W. 2,968,584.
Elmer, Thomas H. 2,982,053.
Frazier, John F. 2,968,741.
Freiman, David J. 2,991,111.
Giffen, James W. 2,970,405.
Giffen, James W. 2,976,611.
Giffen, James W. 2,997,827.
Kelm, Everett F. 3,013,110.
Mochel, John M. 2,968,578.
Olcott, Joseph S., and Stookey. 2,998,675.
Randels, Robert B. 2,978,789.
Rexford, Harry E. 2,987,600.
Riggen, Thoedore K. 2,970,239.
Riggen, Theodore K. 3,003,904.
Schmick, Hayes J. 2,996,419.
Smith, Rowland D. 2,976,161.
Stookey, Stanley D. 2,971,853.
Thebado, Eugene A. 3,009,293.

Cornish, Albert J., to Westinghouse Electric Corp. Thermoelements and devices embodying them. 2,977,400, 3–28–61, Cl. 136—5.

Cornish, Harry E., C. G. Graef, H. F. Groebe, and E. H. Simpson, to O & M Machine Co., Inc. Apparatus for running thread-jointed oil well strings into and out of oil wells. 2,969,702, 1–31–61, Cl. 81—53.

Coro of Rhode Island, Inc.: *See*—
Donle, Edwin S. 2,996,899.

Corona Hair Net Corp.: *See*—
Herschensohn, Arthur M. 2,969,548.

Coro, Paul M., to Allianceware, Inc. Bathtub installation, etc. 2,967,309, 1–10–61, Cl. 4—173.

Corpening, Gene S. Board game apparatus. 2,976,044, 3–21–61, Cl. 273—134.

Corpew, Charles R.: *See*—
Haflinger, Dan J., Corpew, and Gutzmer. 2,986,668.

Corpew, Charles R., to General Dynamics Corp. Electro optical system in a cathode ray tube. 2,988,660, 6–13–61, Cl. 313—86.

Corpew, Charles R., to General Dynamics Corp. Electromagnetic deflection coil. 3,007,087, 10–31–61, Cl. 317—200.

Correc, Lazare H., to Commissariat a l'Energie Atomique. Nuclear reactors including horizontal graphite bars. 2,970,097, 1–31–61, Cl. 204—193.2.

Correll, Harold G., ½ to Gadget-Of-The-Month Club, Inc. Ballet toe skate. 3,010,732, 11–28–61, Cl. 280—11.24.

Corren, Sidney A. Battery separator and method of forming same. 2,970,181, 1–31–61, Cl. 136—143.

Corren, Sidney A. Process of increasing electrode capacity. 3,009,978, 11–21–61, Cl. 136—21.

Corren, Sidney A., A. S. Louis, and M. A. Coler. Positive electrode. 3,009,979, 11–21–61, Cl. 136—29.

Corren, Sidney A., A. S. Louis, and M. A. Coler. Negative electrode. 3,009,980, 11–21–61, Cl. 136—34.

Correy, Thomas B., to United States of America, Atomic Energy Commission. Welding torch. 3,003,050, 10–3–61, Cl. 219—75.

Corrigan, Brian: *See*—
Heisig, Theodore C., and Corrigan. 2,993,856.

Corrigan, John R.: *See*—
Feldkamp, Rolland F., Coates, and Corrigan. 3,006,925.

Corrigan, Joseph J.: *See*—
Manchester, Randall S., and Corrigan. 3,014,318.

Corriston, John W., to E. J. Lavino and Co. Metallurgical furnace roof design. 2,989,296, 6–20–61, Cl. 266—33.

Corry-Jamestown Mfg. Corp.: *See*—
Hutzelman, Howard E. 2,998,110.

Corsentino, Joseph, to Better Industries, Inc. Apparatus for producing fibers from molten material. 2,992,453, 7–18–61, Cl. 18—2.5.

Corsi, George L.: *See*—
Rhoads, George D., and Corsi. 3,011,814.

Corson, Almon J., and H. Rich, to General Electric Co. Voltmeter. 2,998,571, 8–29–61, Cl. 324—147.

Corson, Ben B., and L. H. Schwartzman, to Koppers Co., Inc. Homodihydrocarbostyril. 2,991,286, 7–4–61, Cl. 260—289.

Corson, Blake W., Jr., to United States of America, National Aeronautics and Space Administration. Nozzle. 3,012,400, 12–12–61, Cl. 60—35.6.

Corson, Charles A., and W. W. Paschke, to Ingersoll-Rand Co. Compressor control system. 2,982,467, 5–2–61, Cl. 230—25.

Corson, G. & W. H., Inc.: *See*—
Meyers, William F. 2,992,289.
Meyers, William F. 2,996,562.
Minnick, Leonard J. 2,987,406.
Minnick, Leonard J. 2,987,408.
Minnick, Leonard J. 2,987,411.
Minnick, Leonard J. 2,991,014.

Corte, Herbert, and O. Netz, to Farbenfabriken Bayer Aktiengesellschaft. Synthetic resins having anion-exchange properties. 3,006,866, 10–31–61, Cl. 260—2.1.

Cortelli, John A., and L. A. Koenig, to The Clark Controller Co. Electric hoist control. 2,985,809, 5–23–61, Cl. 318—209.

Cortéz, José B., to Fequilite S.R.L. Waxing member for floor polishing machines. 2,972,772, 2–28–61, Cl. 15—501.
Cortner, Howard M. Solder feeding device. 2,987,023, 6–6–61, Cl. 113—109.
Corum, Clinton. Two position constant speed semi-automatic propeller pitch control. 2,975,838, 3–21–61, Cl. 170—160.16.
Corvelli, Maria C. Body support for use in shampooing, hair washing and the like. 2,988,753, 6–20–61, Cl. 4—139.
Corwin, James F.: *See*—
Vernet, Sergius, Corwin, and Asakawa. 3,001.401.
Corwin, Merton D., to The Baldwin Piano Co. Electronic musical instrument with photoelectric switching. 3,011,379, 12–5–61, Cl. 84—1.19.
Corwin, Thomas E., and C. Knipple, to J. E. Harder. Portable animal stall. 2,979,027, 4–11–61, Cl. 119—15.
Cory Corp.: *See*—
Eisendrath, David C. 2,982,451.
Fischer, Henry R. 2,998,169.
Gilissen, Aart J. 3,004,131.
Cosar, Jack. Control system for paralleled tap-change transformer. 2,968,737, 1–17–61, Cl. 307—51.
Cosby, Clarence C., Jr.: *See*—
Sproull, Reavis C., and Cosby. 2,996,177.
Cosby, John N., and M. M. Darley, to Allied Chemical Corp. Pest control compositions containing oxidized polyethylene wax. 2,976,210, 3–21–61, Cl. 167—42.
Cosgrove, Stanley L.: *See*—
Lusebrink, Theodore R., and Cosgrove. 2,982,628.
Coski, William D. Compressor and granular-material conveying systems. 3,010,766, 11–28–61, Cl. 302—51.
Cosom Industries, Inc.: *See*—
Carlson, Clinton V. 2,967,710.
Cosper, Dale L., to Versal, Inc. Control switch with toggle arrangement. 3,012,114, 12–5–61, Cl. 200—67.
Cossor, A. C., Ltd.: *See*—
Barber, Peter F. 3.007,156.
Fleming-Williams, Brian C. 2,979,713.
Perkins, Leonard. 3.014,212.
Costa, John E., E. W. Le Boeuf, and L. E. Lefevre, to The Dow Chemical Co. Fibrous article. 2,980,982, 4–25–61, Cl. 28—78.
Costa, Leo, and J. H. G. Schumacher, to Maierform Holding S.A. Ship's hull. 3,010,419, 11–28–61, Cl. 114—56.
Costanzo, Frank X., and R. B. Frost, to Victaulic Co. of America. Pipe grooving tool. 2,975,819, 3–21–61, Cl. 153—9.
Costello, Charles A., to General Electric Co. Dynamoelectric machine construction. 3,008,786, 11–14–61, Cl. 310—214.
Costello, George T., to National Heater Co., Inc. Header assembly for space heater. 2,979,050, 4–11–61, Cl. 126—104.
Costello, Robert B., to The M. W. Kellogg Co. Gamma ray projector. 2,997,592, 8–22–61, Cl. 250—106.
Costello, Thomas F.: *See*—
Cunningham, Cecil R., and Costello. 2,972,439.
Cunningham, Cecil R., and Costello. 3,014,629.
Coster, Hans, to Shell Oil Co. Method of preparing synthetic rubber crumb for drying. 3,014,898, 12–26–61, Cl. 260—85.1.
Costruzioni Meccaniche Piva S.p.A.: *See*—
Wysocki, Waclaw. 2,984.214.
Wysocki, Waclaw. 3,005,969.
Cota, Glenn L., to Chicago Hardware Foundry Co. Hand dryer for bowling lanes. 2,991,560, 7–11–61, Cl. 34—87.
Cotchett, Louis M., to Machinecraft, Inc. Top rolls for spinning frames. 2,979,784, 4–18–61, Cl. 19—142.
Cotchett, Louis M., to Machinecraft, Inc. Top rolls for drawing frames. 2,991,514, 7–11–61, Cl. 19—142.
Cote, Mary C. D.: *See*—
Rydberg, George E., and A. J. and P. C. Jacobs. 2,966,898.
Cote, Raymond A., to Container Corp. of America. Display carton. 3,002,722, 10–3–61, Cl. 248—174.
Cote, Thomas F. Adjustable flashlight holder. 3,005,091, 10–17–61, Cl. 240—52.5.
Cotesworth, Harry A., to The Cleveland Crane & Engineering Co. Overhead material handling trolleys. 2,985,113, 5–23–61, Cl. 105—114.
Cother, Robert H.: *See*—
Tasker, Homer G., Van Alystyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.
Cothern, William F. Vehicle rain shelter. 2,995,137, 8–8–61, Cl. 135—5.
Cothran, Duffy A. Dispenser for collapsible tubes. 2,998,163, 8–29–61, Cl. 222—100.
Cotner, Basil U.: *See*—
Park, Orrin J., and Cotner. 2,974,690.
Park, Orrin J., and Cotner. 3,001,552.
Coton, Amable-Louis, and R. Müller, to Etablissements Grimar. Friction driven screw presses. 2,997,945, 8–29–61, Cl. 100—256.
Cotroumpas, Stephen. Fishing lure. 2,968,886, 1–24–61, Cl. 43—42.06.
Cotsworth, Albert, III, and W. J. Stroh, to Zenith Radio Corp. Television receiver compensating circuit. 2,974,191, 3–7–61, Cl. 178—7.3.
Cott, J Bernard: *See*—
Flurchutz, Glenn E., and Cott. 2,997,279.
Cotter, Robert J.: *See*—
Sauers, Carol K., and Cotter. 2,980,694.
Sauers, Carol K., and Cotter. 2,980,701.
Sauers, Carol K., and Cotter. 2,995,577.
Cotterman, Don R., and A. A. McDonald, to Baldwin Rubber Co. Method of making padded contoured carpets. 2,991,212, 7–4–61, Cl. 154—110.
Cottingham, Morrison, and G. E. Forsyth. Hand supported doughnut machine. 2,999,469, 9–12–61, Cl. 107—14.
Cottle, Delmer L.: *See*—
Lemiszka, Theodore, Minckler, and Cottle. 2,992.202.
Minckler, Leon S., Jr., Cottle, and Lemiszka. 2,967,167.
Minckler, Leon S., Jr., Cottle, and Lemiszka. 2,984,642.
Young, David W., and Cottle. 3,013,086.
Cottle, Delmer L., L. S. Minckler, Jr., and L. T. Eby, to Esso Research and Engineering Co. Method of brominating butyl rubber in the presence of heterocyclic tertiary amines, product obtained, and vulcanized product thereof. 2,995,545, 8–8–61, Cl. 260—85.3.
Cottle, Delmer L., L. S. Minckler, Jr., and T. Lemiszka, to Esso Research and Engineering Co. Chlorinating butyl rubber in the presence of epoxy alkanes. 2,995,546, 8–8–61, Cl. 260—85.3.
Cottle, John E.: *See*—
Stevens, James I., Cottle, and Wise. 2,987,487.
Stevens, James I., and Cottle. 3,004,019.
Cottle, John E., to Phillips Petroleum Co. Polymer recovery from solution. 2,992,976, 7–18–61, Cl. 202—40.
Cottle, John E., to Phillips Petroleum Co. Method for removing acetylene from ethylene. 3,004,629, 10–17–61, Cl. 183—115.
Cottle, John E., to Phillips Petroleum Co. Polyolefin solvent recovery. 3,014,849, 12–26–61, Cl. 202—46.
Cottler, Seymour A.: *See*—
Clifford, Vernon F., Cottler, and Deschamps. 2,971,192.
Cotton, Edward A., L. McCaslin, and W. H. Smith, to Cottonsmith Furniture Mfg. Co., Inc. Retractible typewriter stand. 3,010,773, 11–28–61, Cl. 312—25.
Cotton, Eugene S., and J. M. Davies, to United States of America, Army. Solar furnace. 2,987,961, 6–13–61, Cl. 88—84.
Cotton, Gilbert N. Voltage regulating system. 3,008,084, 11–7–61, Cl. 323—75.
Cotton, Robert B., to All American Engineering Co. Integral cable supports. 3,010,683, 11–28–61, Cl. 244—110.
Cotton, Robert B., and C. J. Daniels, to All American Engineering Co. Over-run spring type barriers. 2,977,074, 3–28–61, Cl. 244—110.
Cotton, Sherwood M.: *See*—
Friedman, Bernard S., and Cotton. 2,975,199.
Friedman, Bernard S., and Cotton. 3,005,846.
Cotton, William, Ltd.: *See*—
Ladbrooke, Neville C. 2,978,888.
Start, Ernest. 2,984,092.
Cottongim, Willard C. Air circulating fan. 3,014,770, 12–26–61, Cl. 308—245.
Cottonsmith Furniture Mfg. Co., Inc.: *See*—
Cotton, Edward A., McCaslin, and Smith. 3,010,773.
Cottrell Co., The: *See*—
Johnson, Thomas H. 2,986,085.
Luehrs, Hans J. 2,980,016.
Cottrell, Harry M. Fishing plug retriever. 3,012,355, 12–12–61, Cl. 43—17.2.
Cottrell, Julian F.: *See*—
Weinschel, Bruno O., and Cottrell. 3,005,967.
Cottrell, Robert B.: *See*—
Bachman, Fred E., Baker, and Cottrell. 2,972,967.
Cottrell, Robert B., to American Steel Foundries. Transporting highway trucks on railroad track. 2,991,728, 7–11–61, Cl. 105—159.
Cottrill, Charles E., to Standard Packaging Corp. Carton with integral pouring spout and blank therefor. 2,969,904, 1–31–61, Cl. 229—17.
Cottrill, Charles E., to Standard Packaging Corp. Separable plural carton and blank therefor. 2,973,130, 2–28–61, Cl. 229—51.
Cotty, Valentine F., and A. G. Wilson, to Bristol-Myers Co. Tris methylammonium salicylate salts. 2,983,750, 5–9–61, Cl. 260—480.
Cotuno, Leonard C., to Webcor, Inc. Direction finder equipment. 2,997,710, 8–22–61, Cl. 343—117.
Couch, Albert H., and J. H. Hansen, to Libbey-Owens-Ford Glass Co. Glass melting furnace construction. 2,992,514, 7–18–61, Cl. 49—54.
Couch, Glenn F., to Symington Wayne Corp. Package spring group. 2,974,945, 3–14–61, Cl. 267—9.
Couch, Glenn F., to Symington Wayne Corp. Package spring group. 2,979,324, 4–11–61, Cl. 267—9.
Couch, Glenn F., to Symington Wayne Corp. Snubbed resilient coupler carrier. 3,002,633, 10–3–61, Cl. 213—61.
Couch, Glenn F., to Symington Wayne Corp. Snubbed railway truck. 3,005,418, 10–24–61, Cl. 105—197.
Couch, William T., I. G. Fulton, and R. T. Gladwell, Jr., to Sperry Rand Corp. Transfer turret. 2,984,337, 5–16–61, Cl. 198—210.
Couey, Tom T. Fishing apparatus. 3,000,133, 9–19–61, Cl. 43—57.
Couffer, Robert W., Jr., to The Dole Valve Co. Pneumatic relay system. 2,988,100, 6–13–61, Cl. 137—102.
Couffer, Robert W., Jr., and R. H. Powell, to The Dole Valve Co. Adjustable thermostatic valve. 3,004,710, 10–17–61, Cl. 236—12.
Coughenour, Robert D.: *See*—
Lupfer, Dale E., and Coughenour. 2,968,308.
Coughlin, Charles L., H. A. Gumtow, I. H. Svendsen, and H. S. Brown, to Briggs & Stratton Corp. Spring motor engine starter. 2,999,489, 9–12–61, Cl. 123—179.

Couling, Sidney L., and C. M. Zvanut, to The Dow Chemical Co. Rolling magnesium alloy. 3,014,824, 12–26–61, Cl. 148—11.5.

Coulon, Edward I.: *See*—
Kalmar, Harold B., Conter, and Coulon. 2,983,898.

Coulson, Gordon R., to Can-Amera Oil Sands Development Ltd. Hot water process for the extraction of oil from bituminus sands and like oil bearing material. 2,968,603, 1–17–61. Cl. 208—11.

Coulson, Ronald G., and H. Smedley, to The British Boot, Shoe and Allied Trades Research Association. Compressed air operated suction feeding machine. 3,009,696, 11–21–61, Cl. 271—30.

Coulter, Anne M., 30% to C. D. Zehrung, Sr., 30% to M. J. Zehrung, and 15% to M. J. Pfeiffer. Multipurpose cushion. 3,008,153, 11–14–61, Cl. 5—337.

Coulter, Charles W. Fish lure. 2,984,927, 5–23–61, Cl. 43—26.2.

Coulter, Earl E., to The Babcock & Wilcox Co. Liquid and gas separating apparatus. 2,993,565, 7–25–61, Cl. 183—79.

Coulter Electronics, Inc.: *See*—
Coulter, Wallace H., Berg, and Heuschkel. 2,985,830.

Coulter, John B., Jr., to Chicago Pneumatic Tool Co. Method of making rock bit cutter. 3,003,370, 10–10–61, Cl. 76—108.

Coulter, Joseph S. Indicator for automobile windshield wipers. 2,971,209, 2–14–61, Cl. 15—250.40.

Coulter & McKenzie Machine Co., The: *See*—
Kovaleski, Joseph J. 2,981,494.

Coulter, Richard K., to Sierra Engineering Co. Manifold slide disconnect assembly. 2,980,976, 4–25–61, Cl. 24—223.

Coulter, Wallace H., R. H. Berg, and F. L. Heuschkel, to Coulter Electronics, Inc. Scanner element for particle analyzers. 2,985,830, 5–23–61, Cl. 324—71.

Coultrap, Keith H.: *See*—
Parker, Earl E., and Coultrap. 2,981,700.
Parker, Earl E., and Coultrap. 3,002,937.

Coultrip, Raymond L., to General Electric Co. Hinge construction. 3,003,495, 10–10–61, Cl. 126—194.

Coumbis, Niki K., and A. V. Munschy. Rectal applicator. 2,974,666, 3–14–61, Cl. 128—271.

Council, Dansby A.: *See*—
Cox, Joseph D., and Council. 3,003,327.

Counihan, Richard G.: *See*—
Rising, Hawley K., and Counihan. 3,007,141.

Counsell, Raymond, and P. D. Klimstra. 2β-halo-3α-hydroxy-5α-androstan-17-ones and derivatives thereof. 3,009,934, 11–21–61, Cl. 260—397.4.

Counsell, Raymond E., to G. D. Searle & Co. 17β-hydroxyester-1-en-3-ones and derivatives thereof. 3,007,947, 11–7–61, Cl. 260—397.4.

Counsell, Raymond E., to G. D. Searle & Co. N-substituted 20-aminopregnan-3-ols, esters thereof, and Δ5-derivatives corresponding. 3,013,008, 12–12–61, Cl. 260—239.5.

Counsell, Raymond E., to G. D. Searle & Co. 5α-estrane-3α,17β-diols and esters thereof. 3,014,935, 12–26–61, Cl. 260—397.5.

Counsell, Raymond E., and P. D. Klimstra, to G. D. Searle & Co. 2-haloandrost-1-ene-3,17-diones. 2,980,710, 4–18–61, Cl. 260—397.3.

Counts, Leslie. Combination liquid level gauge and filling device. 2,979,949, 4–18–61, Cl. 73—317.

Counts, Thomas O.: *See*—
Sheldahl, David B., and Counts. 2,992,081.

Coupette, Werner, A. Sickbert, and R. Westib, to Leybold-Hochvakuum-Anlogen, G.m.b.H. Metal container adapted to receive high-melting point liquid metals. Re. 24,936, 2–14–61, Cl. 266—42.

Coupez, Maurice: *See*—
Rochas, Paul, and Coupez. 3,010,848.

Coupland, Albert E.: *See*—
George, Herbert E., and Coupland. 2,967,479.

Cour, Gene J.: *See*—
Zola, Edward J., Jr., Van Mechelen, Cour, and McDermid. 3,004,252.

Courchene, Ernest E., Jr., and J. Holzer, to United States of America, Army. Delta modulation system. 2,990,520, 6–27–61, Cl. 332—11.

Courchene, Theodore P., to United Shoe Machinery Corp. Welt hold-downs for shoe attaching machines. 2,974,334, 3–14–61, Cl. 12—33.4.

Courembis, James P.: *See*—
Werle, Otto P., and Courembis. 3,011,406.

Couret, Robert F.: *See*—
Lapeyre, Fernand S., and J., Demarest, and Couret. 3,007,801.

Couret, Robert F. Fish cleaning and scaling machine. 2,993,227, 7–25–61, Cl. 17—3.

Cournut, Rene H.: *See*—
Beaufils, Edmond R., and Cournut. 2,970,404.

Coursen, David L., to E. I. du Pont de Nemours and Co. Surface wave generator. 2,99,458, 9–12–61, Cl. 102—22.

Court, Benjamin F. Engine oil rectifier. 2,984,226, 5–16–61, Cl. 123—41.31.

Court, Jean: *See*—
Casas-Robert, R., Court, and Gianinazzi. 2,979,002.

Court, Kenneth: *See*—
Robinson, James, and Court. 2,993,500.

Courtaulds Ltd.: *See*—
Aldred, Fred C., and Daroux. 2,966,865.
Ballard, Denis G. H. 2,993,053.
Ballard, Denis G. H. 2,996,513.
Bennett, Albert W. 2,975,024.
Carpenter, Albert S. 3,004,008.
Givens, John H., Hardy, and Tyler. 3,001,851.
Kearton, Christopher F., Givens, and Aldred. 2,974,420.
Martyn, Harold L. 2,997,771.
Schmidt, Wilhelm G., and Field. 2,985,634.
Smith, John O., and Gardner. 2,986,446.
Smith, John O., and Tyler. 2,997,365.
Tallis, Ernest E., and Reeves. 2,986,868.
Tallis, Ernest E., and Tyler. 2,975,023.
Toms, Bryan A. 2,992,880.

Courtenay, Charles R., ½ to J. Purpura. Sponge mop. 3,012,265, 12–12–61, Cl. 15—244.

Courter, Douglas H.: *See*—
Church, Peter K., and Courter. 2,986,715.

Courtney, Horace L., to Completion Tools, Inc. Apparatus for equalizing the pressure differential between the interior and exterior of a plugged tubing string. 3,003,565, 10–10–61, Cl. 166—152.

Courtney-Pratt, Jeofrey S., to Bell Telephone Laboratories, Inc. Devices employing superconductive material. 2,973,441, 2–28–61, Cl. 307—88.5.

Courtney-Pratt, Jeofry S., to Bell Telephone Laboratories, Inc. Piezoresistive compensators. 2,990,529, 6–27–61, Cl. 338—25.

Courtney-Pratt, Jeofry S., to National Research Development Corp. High speed cinecamera. 2,992,591, 7–18–61, Cl. 88—16.

Courtney-Pratt, Jeofry S., and W. P. Mason, to Bell Telephone Laboratories, Inc. Bearings of reduced friction and fatigue. 3,008,773, 11–14–61, Cl. 308—1.

Courtot, Louis B., to The Weatherhead Co. Ring pre-set tool. 2,975,662, 3–21–61, Cl. 78—15.

Cousino, Walter F. Feeding apparatus. 2,968,982, 1–24–61, Cl. 83—262.

Cousino, Walter F. Rotary impact perforating machine having positive punch retracting means. 2,968,983, 1–24–61, Cl. 83—355.

Cousino, Walter F. Laminated bearing. 2,994,570, 8–1–61, Cl. 308—163.

Cousino, Walter P., to Chrysler Corp. Adjustable mounting device for rear view mirrors. 2,969,714, 1–31–61, Cl. 88—98.

Cousins, Edward, to The Goodyear Tire & Rubber Co. Wire traction insert for tires. 3,003,534, 10–10–61, Cl. 152—211.

Cousins, Sydne. Figure molding and constricting woman's garment. 2,974,667, 3–14–61, Cl. 128—547.

Cousins, Sydne. Foundation garment. 3,011,496, 12–5–61, Cl. 128—544.

Coussemant, Fernand C.: *See*—
Hellin, Michel C. F., and Coussemant. 2,997,480.

Couts, Robert J., to United States of America, Navy. Missile launching ramp. 2,998,752, 9–5–61, Cl. 89—1.7.

Conturier, Marcel P. H. Rotary vane-type hydraulic machine. 2,980,030, 4–18–61, Cl. 103—139.

Cova, Dario R., to Monsanto Chemical Co. Preparation of cyclohexanone. 2,970,172, 1–31–61, Cl. 260—586.

Coval, Arthur B.: *See*—
Lee, Arthur L., and Coval. 2,982,370.
Lee, Arthur L., and Coval. 2,993,552.

Cove Corp., The: *See*—
Hildre, Harvey. 3,013,601.

Covely, Frank D. 3rd, to Radio Corp. of America. Methods and means for providing a three-dimensional signal display. 3,003,146, 10–3–61, Cl. 343—7.9.

Covely, Frank D., 3d, and A. C. Stocker, to Radio Corp. of America. Automatic correction circuit for stored electrical data. 2,995,744, 8–8–61, Cl. 343—11.

Cover, Martin L., to National Steel Corp. Sintering machine. Re. 25,092, 11–28–61, Cl. 198—108.

Cover, Paul F.: *See*—
Cover, Ralph and P. F. 3,005,718.

Cover, Ralph, to The United Products Co. Method of producing the cream constituent of creamed corn. 3,004,573, 10–17–61, Cl. 146—239.

Cover, Ralph and P. F., to The United Products Co. Method of making cream style corn. 3,005,718, 10–24–61, Cl. 99—186.

Covert, Calvin C.: *See*—
Conn, Francis E., Covert, Morice, and Weis. 3,003,566.

Covert, John N., to Union Special Machine Co. Sewing machines. 2,977,910, 4–4–61, Cl. 112—256.

Covert, Kenneth B., to Safe, Inc. Fire extinguisher. 2,973,040, 2–28–61, Cl. 169—31.

Covert, Robert J.: *See*—
Sekella, Youston, Digby, and Covert. 2,973,712.

Coviello, Anthony R. Reversible disc plow. 2,973,045, 2–28–61, Cl. 172—222.

Coviello, Salvator. Adjustable door supporting clamp and stool. 2,967,553, 1–10–61, Cl. 144—296.

Covini, Mario, to Linotype S.p.A. Device for turning over typographic lines composed by a line-composing machine. 2,960,139, 1–24–61, Cl. 199—61.

Covini, Mario, to Linotype S.p.A. Device for turning over line slugs composed by a line-composing machine. 3,006,459, 10–31–61, Cl. 199—61.

Cowan, Arnold A., to Bobrick Mfg. Corp. Check valve. 2,976,882, 3–28–61, Cl. 137—512.1.

Cowan, David M., to Joy Mfg. Co. Rotary rock drill. 2,978,-043, 4–4–61, Cl. 175—127.
Cowan, Edwin J. Gas heaters of the overhead type. 3,002,-512, 10–3–61, Cl. 126—91.
Cowan, Irving: *See*—
Cowan, Jack and L. J. 2,997,352.
Cowan, Jack and L. J., to I. Cowan. Article holders. 2,997,-352, 8–22–61, Cl. 312—207.
Cowan, James S. Levelling system. 2,971,264, 2–14–61, Cl. 33—209.
Cowan, Leon J.: *See*—
Cowan, Jack and L. J. 2,997,352.
Cowan, William B., to The English Electric Co. Ltd. Locking and actuating mechanisms for aircraft canopies. 3,006,583, 10–31–61, Cl. 244—121.
Cowart, Brooks E., L. D. Ball, G. B. Crane, and O. H. Knowlton, Jr., to Gilfillan Bros. Inc. Function generating circuits requiring only linear elements. 2,971,698, 2–14–61, Cl. 235—197.
Cowart, Robert J. Barbecue apparatus having adjustable fire lift. 2,968,301, 1–17–61. Cl. 126—25.
Cowcher, Edward, and J. C. Pledger, to The General Electric Co. Ltd. Apparatus of the kind including a waveguide. 2,985,852, 5–23–61, Cl. 333—33.
Cowdrey, Frank W., to Parker-Hannifin Corp. Flareless tube coupling with means allowing visual inspection. 3,011,807, 12–5–61, Cl. 285—342
Cowger, Charles E.: *See*—
Hoiberg, Arnold J., and Cowger. 2,973,280.
Cowher, Daniel M., Sr. Device for beneficiating concrete aggregate. 2,978,103, 4–4–61, Cl. 209—135.
Cowlard, Frederick C., and L. G. Penhale, to The Plessey Co. Ltd. Process for preparing pure silicon. 3,006,734, 10–31–61, Cl. 23—223.5.
Cowles Chemical Co.: *See*—
Truchan, Anthony, Jr., and Davidson. 2,993,051.
Cowles, Warren H.: *See*—
Hilker, Eugene B., Cowles, Stroh, and Fleming. 2,968,283.
Hilker, Eugene B., Cowles, Stroh, and Fleming. 2,980,069.
Cowles, Warren H., J. D. Pembleton, and J. O'Shaughnessey, to Holley Carburetor Co. Gas turbine isochronous governor. 2,981,271, 4–25–61, Cl. 137—26.
Cowles, Warren H., and D. F. Wheeler, to Holley Carburetor Co. Gas turbine fuel control. 3,006,143, 10–31–61, Cl. 60—39.28.
Cowley, Calvin C., to Don Baxter, Inc. Plastic tubing process. 2,972,779, 2–28–61, Cl. 18—48.
Cowley, Charles H., to Libbey-Owens-Ford Glass Co. Method of producing multiple sheet glazing units. 2,995,869, 8–15–61, Cl. 49—81.
Cowley, Charles H., H. N. Dean, and E. C. Montgomery, to Libbey-Owens-Ford Glass Co. Apparatus for producing a multiple sheet glazing unit. 2,968,125, 1–17–61, Cl. 49—1.
Cowley, George E. Transportable bath cabinets. 3,010,116, 11–28–61, Cl. 4—146.
Cowley, Richard T., to United States of America, Navy. Waterproof gun cover. 3,008,380, 11–14–61, Cl. 89—37.5.
Cowley, William E., to American Saw and Tool Co. Threading tool holder with slidable cover on hollow handle. 2,979,-742, 4–18–61, Cl. 10—148.
Cowley, William E., to Vermont American Corp. Multiple die receptacle for holding dies and for use as a die wrench. 3,004,270, 10–17–61, Cl. 10—114.
Cox, Arthur F.: *See*—
Fogle, Herbert D., Cox, and Bowman. 2,991,551.
Cox, Austin G., to Alwac International, Inc. Vehicle suspension. 3,014,434, 12–26–61, Cl. 105—145.
Cox, Bernard D. Process and apparatus for forming a sheet of material from a suspension of solid particles in liquid media. 2,995,484, 8–8–61, Cl. 162—208.
Cox, Darwin S. Method of manufacturing dished disks and the like. 2,983,033, 5–9–61, Cl. 29—159.01.
Cox, David C., to Mandrel Industries, Inc. Electrical color separation. 3,012,666, 12–12–61, Cl. 209—111.
Cox, Douglas L., to Texas Instruments Inc. Transistor. 2,989,670, 6–20–61, Cl. 317—235.
Cox, Earle F. Steering and drive mechanism. 2,975,655, 3–21–61, Cl. 74—710.5.
Cox, Edwin P., and D. G. Edwards. Container pouring spout construction. 2,993,630, 7–25–61, Cl. 229—17.
Cox, Fred W., Jr., and J. J. Roemer, to Atlas Chemical Industries, Inc. Compacted ammonium nitrate. 2,997,378, 8–22–61, Cl. 25—14.
Cox, Gilbert R.: *See*—
Ryker, Don W., and Cox. 2,973,257.
Cox, Gordon L., Jr., and L. G. Tucker, Jr., to Koppers Co., Inc. Balling drum. 2,984,861, 5–23–61, Cl. 18—1.
Cox, Harold O.: *See*—
Gathman, David W., and Cox. 3,013,463.
Cox, Herbert F., Jr. Liquid dispensing containers. 3,007,608, 11–7–61, Cl. 222—105.
Cox, Irvin W., to Cutler-Hammer, Inc. Electromagnetic devices. 2,984,770, 5–16–61, Cl. 317—157.
Cox, Isaac E., to American Brake Shoe Co. Bearings. 2,997,348, 8–22–61, Cl. 308—83.
Cox, Jack B. Safety belt assembly. 2,978,015, 4–4–61, Cl. 155—189.
Cox, Jack R. Hypodermic projectile. 2,995,373, 8–8–61, Cl. 273—106.5.
Cox, James B., to Esso Research and Engineering Co. Curing composition for metallic coatings. 2,999,025, 9–5–61, Cl. 106—12.
Cox, Jerome R.: *See*—
Hughes, Earl V. 2,991,809.
Thacker, Hugh P., Jr. 2,988,305.
Cox, John E., to Electric Transmission Ltd. Electric fuses. 2,972,031, 2–14–61, Cl. 200—120.
Cox, John L.: *See*—
Atwater, Thomas V., Jr., Cox, and Muesing. 3,007,268.
Cox, John M.: *See*—
Schnitzius, Homer D., and Cox. 2,995,775.
Cox, John R., to Balas Collet Mfg. Co. Collet. 2,996,301, 8–15–61, Cl. 279—46.
Cox, Joseph D., and D. A. Council; said Cox assor. to said Council. Ice making machine. 3,003,327, 10–10–61, Cl. 62—132.
Cox, Lonzo C. Tandem axle suspension. 3,011,795, 12–5–61, Cl. 280—104.5.
Cox, Norman R.: *See*—
Johnson, Philip C., and Cox. 3,014,970.
Cox, Paul R., Jr., to The Chemstrand Corp. Solutions of polypyrrolidone in aqueous phytic acid and process for making same. 2,980,641, 4–18–61, Cl. 260—29.2.
Cox, Paul R., Jr., to The Chemstrand Corp. Polyamides and polyurethanes dissolved in a mixture of water and phytic acid and process of making same. 3,003,983, 10–10–61, Cl. 260—29.2.
Cox, Preston C.: *See*—
Kaufold, Leroy, and Cox. 2,981,842.
Cox, Robert B., to Aerojet-General Corp. Sodium, calcium, lithium alloy hydrofuel. 2,978,804, 4–4–61, Cl. 52—.5
Cox, Robert B., to Aerojet-General Corp. Hydrofuel. 3,000,732, 9–19–61, Cl. 75—134.
Cox, Robert E.: *See*—
Silver, Walter H., and Cox. 2,974,736.
Cox, Robert J., R. G. D. Moore, and M. L. Moskowitz, to General Aniline & Film Corp. Diazo nitrogen heterocycles as lithographic sensitizers. 2,997,467, 8–22–61, Cl. 260—239.9.
Cox, Robert M.: *See*—
Gerwig, Harvey F., Cox, Hosterman, and Rivera. 2,997,-064.
Cox, Robert P., to Bjorksten Research Laboratories, Inc. Process for laminating glass or plastic material. 2,976,197, 3–21–61, Cl. 154—2.75.
Cox, Robert P., to Bjorksten Research Laboratories, Inc. Heat resistant rubber. 3,004,956, 10–17–61, Cl. 260—79.5.
Cox, Robert P., and K. R. Guenther, to Bjorksten Research Laboratories, Inc. Heat resistant elastomer. 2,983,719, 5–9–61, Cl. 260—86.1.
Cox, Wilbert L.: *See*—
Joseph, Maurice J., Cox, and Klein. 2,970,743.
Cox, William H.: *See*—
Pierce, Russell, Jr., and Cox. 2,989,135.
Cox, William H., to Sun Oil Co. Electrical wave filter. 2,980,871, 4–18–61, Cl. 333—28.
Cox, William H., to Sun Oil Co. Method and apparatus for reproduction and display of seismic records. 3,008,792, 11–14–61, Cl. 346—33.
Cox, Willis T. Hydraulic directional control. 2,986,006, 5–30–61, Cl. 60—52.
Cox, Willis T. Rail conversion mechanism for automobiles. 2,986,102, 5–30–61, Cl. 105—215.
Coxe, Charles D., to Handy & Harman. Fine particle magnets. 2,967,794, 1–10–61, Cl. 148—101.
Coxe, Charles D., to Handy & Harman. Brazing filler metal. 3,000,339, 9–19–61, Cl. 113—110.
Coxe, George H., to Sanford Process Co. Inc. Electrolytic apparatus. 2,969,314, 1–24–61, Cl. 204—242.
Coy, Carl E., and B. D. Tague, to United States of America, Navy. Toroidal electromagnetic device. 2,975,386, 3–14–61, Cl. 336—107.
Coykendall, John C., to General Electric Co. Ultra-high frequency converter. 2,972,048, 2–14–61, Cl. 250—20.
Coyle, Charles S.: *See*—
Weitkemper, Harry R., and Coyle. 3,009,720.
Coyne, Donald M., H. L. Hackett, and R. L. Poe, to Continental Oil Co. Production of alpha-olefins. 2,978,523, 4–4–61, Cl. 260—683.15.
Coyne, Gerard G., to General Electric Co. Self-contained air conditioning apparatus adapted for heating, cooling and dehumidification. 3,006,613, 10–31–61, Cl. 257—290.
Cozart, Robert T. Push button assembly. 2,981,816, 4–25–61, Cl. 200—159.
Cozart, Robert T. Vending machine. 2,989,165, 6–20–61, Cl. 194—10.
Crabb, Clarence R., H. G. Hughes, and L. S. McDonald, to The Dow Chemical Co. Stable solvent compositions. 2,998,462, 8–29–61, Cl. 260—652.5.
Crabb, Clarence R., H. G. Hughes, and L. S. McDonald, to The Dow Chemical Co. Stable solvent compositions. 2,999,886, 9–12–61, Cl. 260—652.5.
Crabb, John T., to Lone Star Boat Co. Means for removing accumulated water from the interior of boats. 2,984,201, 5–16–61, Cl. 114—183.
Crabb, Merle W.: *See*—
Hunt, John M., and Crabb. 3,004,351.
Crabb, Merle W., to General Precision, Inc. Autopilot simulator. 3,000,112, 9–19–61, Cl. 35—12.
Crabb, Merle W., to General Precision, Inc. Simulation of errors occurring at transonic speeds in pitot-static instruments. 3,004,352, 10–17–61, Cl. 35—12.

Crabtree, David, & Son Ltd.: *See*—
Felton, William. 2,987,019.
Crabtree, J. A., & Co. Ltd.: *See*—
Carding, Joseph T., and Jelley. 3,004,127.
Jelley, Gordon A. 2,993,967.
Crabtree, R. W., & Sons Ltd.: *See*—
Taylor, Harold M., and Stevenson. 3,007,408.
Willis, Claude E. F. 3,006,568.
Crafford, Joseph C., to The Dow Chemical Co. Spinnerette wrench. 2,968,203, 1–17–61, Cl. 81—53.
Crafford, Thomas J., to Crafford Tool & Die Co. Automatic linking machine. 3,004,383, 10–17–61, Cl. 59—25.
Crafford Tool & Die Co.: *See*—
Crafford, Thomas J. 3,004,383.
Craft, Inc.: *See*—
Roy, Leo T. 2,998,618.
Craft, John B. Proximity fuse. 2,998,775, 9–5–61, Cl. 102—70.2.
Craft Mfg. Co.: *See*—
Varese, Anthony A., and Roberts. 2,982,247.
Craft Tool Co.: *See*—
Hill, James. 2,985,960.
Crafts, Cecil A.: *See*—
Carlson, Robert L., and Crafts. 2,986,636.
Crafts, Cecil A., to Robertshaw-Fulton Controls Co. Automatic frequency control for phase shift keying communication system. 2,991,354, 7–4–61, Cl. 250—8.
Cragg, Thomas W. Baseball game. 2,980,427, 4–18–61, Cl. 273—90.
Cragin, Raymond A.: *See*—
Heller, Robert M., Cragin, and Mroz. 2,983,534.
Cragoe, Edward J., Jr., to Merck & Co., Inc. Substituted 2,1,3-benzothiadiazolesulfonamides having diuretic properties. 2,983,730, 5–9–61, Cl. 260—304.
Craig, Alfred B.: *See*—
Ham, George E., and Craig. 2,971,937.
Craig, Andrew M., Jr.: *See*—
Hurwitz, Marvin J., Craig, and Beavers. 2,975,152.
Craig, Burnie J. Latch. 2,993,358, 7–25–61, Cl. 70—153.
Craig, Burnie J. Door latch. 2,993,359, 7–25–61, Cl. 70—153.
Craig, Burnie J. Door lock. 2,993,360, 7–25–61, Cl. 70—264.
Craig, Burnie M., to Minneapolis-Honeywell Regulator Co. Supporting device. 2,992,787, 7–18–61, Cl. 242—68.2.
Craig, Burnie M., to Henry Keck Associates. Covered cord holder attachment for electrical outlets. 3,013,105, 12–12–61, Cl. 174—67.
Craig, David: *See*—
Hendry, Charles M., and Craig. 2,989,513.
Craig, Donald. Boring tool. 2,979,974, 4–18–61, Cl. 77—58.
Craig, Dwin R., to Logetronics, Inc. Photographic printing. 2,969,723, 1–31–61, Cl. 95—73.
Craig, Dwin R., to Logetronics, Inc. Photographic printing. 2,985,086, 5–23–61, Cl. 95—73.
Craig, Dwin R., to Logetronics, Inc. Photographic printing. 2,988,978, 6–20–61, Cl. 95—73.
Craig, Dwin R., G. J. Harmon, D. E. Houghton, and C. W. Hurley, to Reed Research, Inc. Article handling and sorting apparatus. 2,982,407, 5–2–61, Cl. 209—91.
Craig, Forrest F., Jr., and H. N. Hall, to Pan American Petroleum Corp. Secondary recovery process with controlled density fluid drive. 3,003,554, 10–10–61, Cl. 166—9.
Craig, Francis A., to Talon, Inc. Check-weighing apparatus. 3,006,469, 10–31–61, Cl. 209—121.
Craig, Frank S., J. Y. Howard, and M. A. Scheg, to General Railway Signal Co. Light signal. 2,975,268, 3–14–61, Cl. 240—46.53.
Craig, Herbert W.: *See*—
Roberson, Walter B., and Craig. 2,997,404.
Craig, Hugh R. M., to The English Electric Co. Ltd. Axial flow multi-stage compressors. 2,990,106, 6–27–61, Cl. 230—122.
Craig, Jonathan B., and V. P. Petrucelli, to Socony Mobil Oil Co., Inc. Milk container construction. 2,996,233, 8–15–61, Cl. 229—17.
Craig, Louis E., to General Aniline & Film Corp. Brightening of fine fabrics. 2,980,549, 4–18–61, Cl. 117—33.5.
Craig, Louis E., and J. T. Minor, to Deere & Co. Process of producing resinous urea-biuret-formaldehyde condensate and product produced thereby. 3,005,792, 10–24–61, Cl. 260—29.4.
Craig, Louis E., and J. T. Minor, to Deere & Co. Production of guanidine salts. 3,009,949, 11–21–61, Cl. 260—501.
Craig, Palmer H. Process of making magnetic amplifiers. 3,008,882, 11–14–61, Cl. 204—15.
Craig, Richard C., Jr.: *See*—
Wilkinson, Walter B. 3,001,306.
Craig, Robert D., to Metropolitan-Vickers Electrical Co. Ltd. Mass spectrometers. 2,975,279, 3–14–61, Cl. 250—41.9.
Craig, Robert D., to Associated Electrical Industries Ltd. Mass spectrometers. 2,981,839, 4–25–61, Cl. 250—41.9.
Craig, Robert D., to Associated Electrical Industries Ltd. Mass spectrometers. 2,993,992, 7–25–61, Cl. 250—41.9.
Craig, Robert D., to Associated Electrical Industries Ltd. Mass spectrometers. 2,995,658, 8–8–61, Cl. 250—41.9.
Craig, Robert D., to Associated Electrical Industries Ltd. Mass spectrometers. 2,995,659, 8–8–61, Cl. 250—41.9.
Craig, Robert E., to R. E. Ditrick. Self-adjusting toroidal core support apparatus. 2,994,487, 8–1–61, Cl. 242—4.
Craig, Robert G., and D. H. Stevenson, to Houdry Process Corp. Regeneration of noble metal catalysts. 2,980,631, 4–18–61, Cl. 252—419.
Craig, Robert L.: *See*—
Mazza, Harold, Craig, and Foster. 3,007,771.
Craig, W E, and J. O. Van Hook, to Rohm & Haas Co. Metal salt aminoalcohol complexes. 2,999,872, 9–12–61, Cl. 260—429.
Craighead, Emery M., and H. Purre, to Phillips Petroleum Co. Recovery of resins and hydrocarbons from resinous type coals. 3,010,707, 11–28–61, Cl. 262—3.
Craighead, Prevost, to Bancroft Bag Factory, Inc. Gusseted pasted valve bags. 2,968,432, 1–17–61, Cl. 229—62.5.
Craiglow, Robert L., and L. A. Keyser, to Collins Radio Co. Oven. 2,973,420, 2–28–61, Cl. 219—19.
Craik, Darrel W. Positive cabinet lock. 3,014,744, 12–26–61, Cl. 292—17.
Crain, Chester R. Magnetic stick high water detector. 2,980,775, 4–18–61, Cl. 200—84.
Crain, Donald L., and H. A. Hartzfeld, to Phillips Petroleum Co. Isomerization of cyclo triene compounds. 3,009,001, 11–14–61, Cl. 260—666.
Crake, Wilfred S., to Shell Oil Co. Offshore platform structure and method of erecting same. 2,979,910, 4–18–61, Cl. 61—46.
Crall, Darwin H.: *See*—
Davis, Russell S., and Crall. 2,985,710.
Cram, Hervey G., to Combined Locks Paper Co. Cylindrical paper stock screen. 2,983,879, 5–9–61, Cl. 209—273.
Cramer, Hans. Rolling of metal stock. 2,996,937, 8–22–61, Cl. 80—60.
Cramer, Hans, and A. Schmitz. Method of annealing in bell furnaces. 2,998,236, 8–29–61, Cl. 263—40.
Cramer, Howard: *See*—
Sima, George A. 2,985,457.
Cramer Posture Chair Co., Inc.: *See*—
Cramer, Roy A., Jr. 2,973,031.
Cramer, Roy A., Jr. 2,987,110.
Scherer, George J. 2,976,094.
Cramer, Robert H., and E. J. Rosinski, to Engelhard Industries, Inc. Manufacture of platinum-alumina reforming catalyst. 3,003,952, 10–10–61, Cl. 208—138.
Cramer, Roy A., Jr., to Cramer Posture Chair Co., Inc. Cast base for chair seats. 2,973,031, 2–28–61, Cl. 155—194.
Cramer, Roy A., Jr., to Cramer Posture Chair Co., Inc. Adjustment locking device for chair base. 2,987,110, 6–6–61, Cl. 155—93.
Cramer, Thomas F., to Holley Carburetor Co. Engine speed control system. 2,969,076, 1–24–61, Cl. 137—55.
Cramer, Thomas F., to Holley Carburetor Co. Hydraulic governor rapid response unloading and loading device. 2,970,586, 2–7–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Governor. 2,977,945, 4–4–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Secondary throttle dampening device. 2,990,821, 7–4–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Secondary throttle governor assembly. 2,990,822, 7–4–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Vacuum controlled dampening device for secondary throttles. 2,990,823, 7–4–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Vacuum controlled dampening device for secondary throttles. 2,990,824, 7–4–61, Cl. 123—103.
Cramer, Thomas F., to Holley Carburetor Co. Vacuum controlled dampening device for secondary throttles. 2,991,053, 7–4–61, Cl. 261—23.
Crampsey, Edward, D. Grady, and P. R. Hawtin, to British Celanese Ltd. Composite structure. 2,982,681, 5–2–61, Cl. 154—46.
Crampton, Gale W., and E. E. Smith, to Land-Air, Inc. Multi-engine vibration indicating system. 3,002,376, 10–3–61, Cl. 73—116.
Crandall, Fletcher, to Allied Chemical Corp. Apparatus for low pressure molding. 2,991,506, 7–11–61, Cl. 18—30.
Crandall, Loid, ½ to R. G. Butler, and ½ to Specmade Products, Inc. Tire repair device. 2,990,736, 7–4–61, Cl. 81—15.7.
Crandall, Morris. Safety system for fluid pumping engines. 2,985,162, 5–23–61, Cl. 123—198.
Crandall, Walter F., to Wire Rope Corp. of America. Wire rope sling. 3,008,287, 11–14–61, Cl. 57—142.
Crandell Corp., The: *See*—
Forrest, Wayne S. 2,988,120.
Crandell, Frank F., to Photo Research Corp. Combination three-color and exposure photometer. 2,982,174, 5–2–61, Cl. 88—23.
Crane, Carl J., to C. M. Masser and B. Moore. Remote control strip stamp dispensing device. 2,980,307, 4–18–61, Cl. 226—135.
Crane, Carlton L., to Eastman Kodak Co. Method of preparing dicarboxylic acid esters of ethyl cellulose. 3,008,953, 11–14–61, Cl. 260—226.

Crane Co.: *See*—
Anderson, Andrew E., and Urbaniak. 2,985,424.
Doelger, John P., and Fennema. 2,975,800.
Dopp, Carl A. 3,011,756.
Fennema, Richard. 2,966,923.
Fennema, Richard. 3,003,744.
Heuss, Henry C., and Zima. 2,975,510.
Hjulian, Julius A. 2,993,653.
Kanter, Jerome J., and Larson. 2,992,806.
Roberts, John T., and Hjulian. 3,005,553.
Sanders, Guy J., Grimsal, and Lawrie. 3,003,548.
Shaw, Benjamin C., and Van Emden. 2,976,473.
Sterba, Donald R., and Olsen. 2,972,800.
Turek, James R., and Kolena. 2,989,758.
Van Emden, Bernard M. 3,010,062.

Crane, Denis P.: *See*—
Ford, Ronald M., and Crane. 2,984,179.

Crane, Dewitt D., D. R. Bennion, and F. C. Heinzman, to Burroughs Corp. Magnetic core digital circuit. 3,004,245, 10–10–61, Cl. 340—174.

Crane, Edward J.: *See*—
Barker, Seth S., Crane, and Sharp. 2,977,628.

Crane, Franklin S., to Martin-Decker Corp. Load indicating and anchoring device for cables and other lines. 2,983,140, 5–9–61, Cl. 73—143.

Crane, Franklin S., to Martin-Decker Corp. Hydraulic sensing device for load indicating apparatus. 3,004,558, 10–17–61, Cl. 137—778.

Crane, George B.: *See*—
Cowart, Brooks E., Ball, Crane, and Knowlton. 2,971,698.

Crane, Hewitt D.: *See*—
Lo, Arthur W., and Crane. 3,014,204.

Crane, Hewitt D., to Burroughs Corp. Magnetic core flip-flop circuit. 2,968,030, 1–10–61, Cl. 340—174.

Crane, Hewitt D., to Radio Corp. of America. Magnetic switching systems. 2,980,892, 4–18–61, Cl. 340—174.

Crane, Hewitt D., to Radio Corp. of America. Magnetic systems. 2,983,906, 5–9–61, Cl. 340—174.

Crane, Hewitt D., to Burroughs Corp. Magnetic core binary counter circuit. 2,995,663, 8–8–61, Cl. 307—88.

Crane, Hewitt D., to Burroughs Corp. Magnetic core negation circuit. 3,003,140, 10–3–61, Cl. 340—174.

Crane, Hewitt D., to Burroughs Corp. Digital circuit using magnetic core elements. 3,004,244, 10–10–61, Cl. 340—174.

Crane, Horace R.: *See*—
Gratian, Joseph W. and A. C., Nieset, Bourns, and Crane. 2,980,905.
Nieset, Robert T., Crane, and A. C. and J. W. Gratian. 2,984,833.

Crane, Jack W., and A. W. Pellett, to Sperry Rand Corp. Harvester. 2,977,873, 4–4–61, Cl. 100—142.

Crane Packing Co.: *See*—
Jones, David W. 2,973,004.
Jones, David W. 2,994,993.
Layton, Forrest E., and Sole. 3,004,371.
Townsend, Francis L. 2,973,983.
Wilkinson, Samuel C. W. 2,968,477.

Crane Rental Co., Inc.: *See*—
Kauffman, Roy D., G. A., and J. R. 2,997,333.

Crane, Robert B., and W. E. Kock, to The Bendix Corp. Lens reflector. 3,015,102, 12–26–61, Cl. 343—911.

Crane, Samuel P.: *See*—
Kent, Stephen D., and Crane. 3,007,289.

Crane, Samuel P. Cushioned polishing disc. 3,007,189, 11–7–61, Cl. 15—230.

Crane, Theodore B., and H. F. Fehlberg: said Fehlberg assor. to said Crane. Asphalt paving machine. 3,000,277, 9–19–61, Cl. 94—45.

Crane, Walter K. Basket rack for station wagons. 2,988,252, 6–13–61, Cl. 224—42.1.

Crane, Walton B., to Allied Plastics Co. Spacer for produce containers. 2,987,198, 6–6–61, Cl. 214—10.5.

Crane, Walton B., to Allied Plastics Co. Clip for joining produce containers. 2,971,232, 2–14–61, Cl. 24—87.

Crane, Walton B., to Allied Plastics Co. Method and means for loading produce containers and the like for shipment. 2,999,468, 9–12–61, Cl. 105—369.

Crane, William B.: *See*—
Parrish, Russell C., and Crane. 3,010,623.

Crane, William F.: *See*—
Aird, Alanson D., and Crane. 2,985,947.

Cranford, James W. Predetermined torque release tool. 3,001,430, 9–26–61, Cl. 81—52.4.

Cranford, William B., and F. W. Major, to Canadian International Paper Co. Bleaching of cellulose pulp. 2,975,169, 3–14–61, Cl. 260—212.

Crang, Terence F., to Kinematics Ltd. Rotary valves. 3,012,753, 12–12–61, Cl. 251—317.

Cranmore, Robert, to Millers Falls Co. Portable circular saw with blade alignment means. 2,986,178, 5–30–61, Cl. 143—43.

Crans, Roland C., to Holcroft & Co. Conveyor driving system. 2,994,518, 8–1–61, Cl. 263—8.

Cranston Print Works Co.: *See*—
Saul, Robert J., Kahler, and Moran. 2,972,794.

Crapuchettes, Paul W., to Litton Industries of California. Tuner for high frequency electron discharge devices. 2,967,261, 1–3–61, Cl. 315—5.53.

Crapuchettes, Paul W., to United States of America, Army. Apparatus for joining workpiece elements. 2,968,039, 1–17–61, Cl. 1—1.

Crapuchettes, Paul W., to Litton Industries, Inc. Method of producing copper coated metal sheet stock. 2,993,271, 7–25–61, Cl. 29—492.

Crapuchettes, Paul W., to Litton Electron Tube Corp. Magnetron cathode. 2,998,544, 8–29–61, Cl. 315—39.51.

Crater, Wilbur D., to Operations Research, Inc. Apparatus for arresting aircraft. 2,967,683, 1–10–61, Cl. 244—110.

Crauder, Everett E.: *See*—
Imus, Robert E., and Crauder. 2,970,348.

Craven, David, to Jennings Machine Corp. Apparatus for handling shell casings and the like. 2,991,881, 7–11–61, Cl. 209—75.

Craven, Ernest C., to The Distillers Co. Ltd. Purification of dehydroacetic acid. 2,997,482, 8–22–61, Cl. 260—343.5.

Craven, Herman R., Jr.: *See*—
Johnson, Elmer C., and Craven. 2,988,246.

Craven, Wilbur J.: *See*—
Warner, Alden Y., Craven, and Satcherl. 2,999,288.

Craven, William J., to Esso Research and Engineering Co. Heat and light stabilization of solid polypropylene. 3,000,857, 9–19–61, Cl. 260—45.95.

Crawford, Arthur R., T. Ongaro, W. R. Rushin, and R. E. Ellis, to International Research and Development Corp. Balancing machine. 2,970,478, 2–7–61, Cl. 73—467.

Crawford, Arthur R., and G. H. Thomas, to International Research & Development Corp. Antenna unit. 3,012,246, 12–5–61, Cl. 343—788.

Crawford, Carl F., and R. E. Fiore, to United States of America, Navy. Variable, high-power microwave power divider. 2,985,850, 5–23–61, Cl. 333—7.

Crawford, Charles I.: *See*—
Pitches, Brian E., and Crawford. 3,001,127.

Crawford Door Co.: *See*—
Olsen, Henry H. 3,000,203.

Crawford, Earl A. Intaglio dry offset printing press. 2,988,989, 6–20–61, Cl. 101—152.

Crawford, Earl A., to Bird & Son, Inc. Offset intaglio printing. 3,007,404, 11–7–61, Cl. 101—154.

Crawford, Edward C., to Electric & Musical Industries Ltd. Automatic gain control circuits in television receivers. 2,980,764, 4–18–61, Cl. 178—7.5.

Crawford, Edward E. Screw-anchor setting tool. 2,995,266, 8–8–61, Cl. 218—43.

Crawford Fitting Co.: *See*—
Zuccala, William S., and Mossman. 3,004,583.

Crawford, Francis W., to Phillips Petroleum Co. In situ combustion process. 2,967,052, 1–3–61, Cl. 262—3.

Crawford, Francis W., to Phillips Petroleum Co. Process for producing oil. 3,004,594, 10–17–61, Cl. 166—11.

Crawford, Francis W., and J. C. Trantham, to Phillips Petroleum Co. In situ combustion process. 2,994,374, 8–1–61, Cl. 166—11.

Crawford, Francis W., and J. C. Trantham, to Phillips Petroleum Co. In situ combustion process. 2,994,376, 8–1–61, Cl. 166—11.

Crawford, Francis W., and H. W. Parker, to Phillips Petroleum Co. In situ combustion of carbonaceous strata. 3,004,595, 10–17–61, Cl. 166—11.

Crawford, George H., Jr.: *See*—
Lo, Elizabeth S., and Crawford. 2,992,211.

Crawford, George H., and E. S. Lo, to Minnesota Mining and Mfg. Co. New fluorine-containing polymers and preparation thereof. 2,975,164, 3–14–61, Cl. 260—87.5.

Crawford, Guy W. Tree growth correcting device. 2,984,938, 5–23–61, Cl. 47—42.

Crawford, Harry E., to E. I. du Pont de Nemours and Co. Photopolymerizable elements, their preparation and use. 2,993,789, 7–25–61, Cl. 96—35.

Crawford, Howard E. Tree moving machine. 2,990,630, 7–4–61, Cl. 37—2.

Crawford, Hugh. Method of and apparatus for producing metallic fiber. 3,014,264, 12–26–61, Cl. 29—4.5.

Crawford, Ishmael, and E. J. Boutillette, to M.K.M. Knitting Mills, Inc. Swimsuit and method of knitting same. 2,977,783, 4–4–61, Cl. 66—176.

Crawford, James H. Lens. 3,010,366, 11–28–61, Cl. 88—54.

Crawford, John M., and W. E. N. Doty, to Continental Oil Co. Method for eliminating undesired components of composite received signals. 2,981,928, 4–25–61, Cl. 340—15.

Crawford, John M., and W. E. N. Doty, to Continental Oil Co. Method of and apparatus determining the travel time of a vibratory signal between spaced points. 2,989,726, 6–20–61, Cl. 340—15.

Crawford, John W. C., and D. G. M. Wood, to Imperial Chemical Industries Ltd. Production of polymers. 3,009,905, 11–21–61, Cl. 260—93.5.

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Crawford, Ralph W., to Fisher-Price Toys, Inc. Musical instrument. 2,992,511, 7–18–61, Cl. 46—111.

Crawford, Ralph W., H. G. Fisher, and L. W. Sly, to Fisher-Price Toys, Inc. Action toy. 2,983,072, 5–9–61, Cl. 46—98.

Crawford, Ralph W., N. G. Schuller, and L. W. Sly, to Fisher-Price Toys, Inc. Action toy. 3,010,252, 11–28–61, Cl. 46—98.

Crawford, Theodore E.: *See*—
Hawley, Edward H., and Crawford. 3,008,382.

Crawford, Thomas J. Method and apparatus for electric welding pipe and the like. 2,974,217, 3–7–61, Cl. 219—101.

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Hind, John D., and Crayton. 2,995,476.
Creamer, Edgar M., Jr.: *See*—
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Creamer, Edgar M., Jr., to Philco Corp. Electrical system. 2,990,448, 6–27–61, Cl. 178—5.4.
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Crean, Robert B., to Socony Mobil Oil Co., Inc. Electrolytic method of purifying amine solutions. 2,983,656, 5–9–61, Cl. 204—131.
Creasey, Raymond F., and B. O. Heath, to The English Electric Co. Ltd. Aircraft. 2,982,469, 5–2–61, Cl. 244—15.
Creasey, Raymond F., B. O. Heath, and G. F. Sharples, to The English Electric Co. Ltd. Multi-purpose jet propelled aircraft. 2,998,209, 8–29–61, Cl. 244—15.
Creason, Kelly J., Jr.: *See*—
Creason, Patsy K., Sr. and K. J. 2,997,804.
Creason, Patsy K., Sr. and K. J., Jr. Fishing lure. 2,997,804, 8–29–61, Cl. 43—42.06.
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Nave, Earl E. 3,008,388.
Creativeering Inc.: *See*—
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Handley, John. 2,987,157.
Mason, Frederick P. 3,006,999.
Mason, Frederick P., and Stemp. 2,977,179.
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Wallens, Anthony W. 3,013,112.
Creed, S. H., and S. Csimma, to Food Machinery and Chemical Corp. Pear peeling machine. 2,979,093, 4–11–61, Cl. 146—43.
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Creel, Johnnie E., and W. G. Holsomback. Fish clamp and mouth spreader. 3,012,360, 12–12–61, Cl. 43—53.5.
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Crehan, William J., W. F. Klouse, and P. Talmey, to General American Transportation Corp. Methods of applying nickel phosphorus coatings upon base metal bodies. 2,997,783, 8–29–61, Cl. 29—401.
Creighton, Hobert H. J., to MacMillan & Bloedel Ltd. Process for recovering polyphenols. 3,007,971, 11–7–61, Cl. 260—619.
Creighton, John P., to Ford Motor Co. Ltd. Hydrostatic transmissions. 2,968,287, 1–17–61, Cl. 121—120.
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Cresswell, Robert A., to The British Oxygen Co. Ltd. Electric arc working process and apparatus. 2,990,466, 6–27–61, Cl. 219—75.
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Cribben and Sexton Co.: *See*—
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Crispell, Roger L., and C. I. Vellner, to General Motors Corp. Domestic appliance. 2,979,053, 4–11–61, Cl. 126—194.
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Critchfield, Charles L., and J. McG. Millar, to United States of America, Navy. Projectile. 2,996,992, 8–22–61, Cl. 102—93.
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Crittenden, Eugene D., to Allied Chemical Corp. Nitraphosphate fertilizers with low chloride content. 3,010,817, 11–28–61, Cl. 71—37.
Critz, Frank A. Row cultivator. 2,974,732, 3–14–61, Cl. 172—6.
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Crockett, John W. Combination auto spring and shock absorber. 2,998,239, 8–29–61, Cl. 267—11.
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Crockett, William P., Jr., to The Setwell Co. Garment hanger. 3,010,626, 11–28–61, Cl. 223—96.
Crockford, Jack A., F. A. Hayes, S. D. Feurt, J. H. Jenkins, and H. C. Palmer, to Palmer Chemical and Equipment Co., Inc. Syringe propelling gun. 2,966,904, 1–3–61, Cl. 124—30.
Crockford, Joseph R., ¼ to Harry Radzinsky. Padding for laundry rolls. 2,968,107, 1–17–61, Cl. 38—66.
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Veatch, Franklin, Alford, and Croft. 2,978,340.
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Crome, Lester C., to The Dayton Malleable Iron Co. Production of nodular iron. 2,980,531, 4–18–61, Cl. 75—130.
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Herard, Archibald J., Jr., and Sepavich. 2,980,147.
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Cromwell, Thomas M., to Aerojet-General Corp. Method of preparing tetraborane. 2,967,140, 1–3–61, Cl. 204—164.
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Cronhage, Nils G., to Aktiebolaget Electrolux. Surface treating apparatus. 2,972,770, 2–28–61, Cl. 15—354.
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Cronquist, Donald H., to International Business Machines Corp. Positioning device. 2,971,396, 2–14–61, Cl. 74—502.
Cronquist, Donald H., to International Business Machines Corp. Selective printer. 2,984,177, 5–16–61, Cl. 101—93.
Cronquist, Norman W.: *See*—
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Crooke, Raymond E., to Sperry Rand Corp., Ford Instrument Co. Division. Counter speed limiter. 2,980,326, 4–18–61, Cl. 235—91.
Crooker, Paul R., and R. Ocko, to General Electric Co. Phase modulation system. 3,002,160, 9–26–61, Cl. 332—29.
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Crooks, Charles E., and W. R. Beckman, to Spotnails, Inc. Machine with driving piston and means associated with the piston for absorbing shocks and vibrations. 2,983,255, 5–9–61, Cl. 121—38.
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Crooks, Sam, and A. H. Burnett. Flaying knife to remove the skin from cattle and the like. 2,982,023, 5–2–61, Cl. 30—216.
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Croop, Edward J.: *See*—
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Cropp, David, to Warren Components Division of El-Tronics, Inc. Rotary hydraulic press. 2,980,960, 4–25–61, Cl. 18—20.
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Crosby, Alton L., and H. W. Roeber, to Sylvania Electric Products Inc. Article handling apparatus. 2,970,683, 2–7–61, Cl. 198—33.
Crosby, Charles H., W. T. Hicks, A. C. Nystrom, and R. R. Wahlberg, to Western Electric Co., Inc. Apparatus for making multi-unit cable. 2,981,049, 4–25–61, Cl. 57—66.5.
Crosby, Gifford W.: *See*—
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Millikan, Allen F., and Crosby. 2,996,532.
Millikan, Allen F., and Crosby. 2,996,533.
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Crosby, Gifford W., and J. B. Braunwarth, to The Pure Oil Co. Difunctional aliphatic compounds prepared from peroxides and halogens. 2,967,197, 1–3–61, Cl. 260—539.
Crosby, Gifford W., and A. F. Millikan, to The Pure Oil Co. Lubricating compositions. 2,983,681, 5–9–61, Cl. 252—46.4.
Crosby, Gifford W., and A. F. Millikan, to The Pure Oil Co. Preparation of cyclic alkylene carbonates. 2,994,704, 8–1–61, Cl. 260—340.2.
Crosby, Gifford W., and A. F. Millikan, to The Pure Oil Co. Preparation of cyclic alkylene carbonates in the presence of organic phosphonium compounds. 2,994,705, 8–1–61, Cl. 260—340.2.
Crosby, James S., Jr., to International Business Machines Corp. Data transmission and storage system. 2,969,522, 1–24–61, Cl. 340—172.5.
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Crosby, Larry: *See*—
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Crosby, Leo. Food process and container. 2,990,096, 6–27–61, Cl. 229—15.
Crosby, Noble W. Cable clamp and connector. 2,970,356, 2–7–61, Cl. 24—115.
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Crosby, Robert L., G. J. Prom, and J. R. Kelsey, to Sperry Rand Corp. Bistable circuits having unidirectional feedback means. 3,008,055, 11–7–61, Cl. 307—88.5.
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Allen, Gordon S. J., and Mawby. 2,993,953.
Allen, Gordon S. J., and Mawby. 2,993,954.
Crosfield, John F. 2,968,988.
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Crosfield, John F., to J. F. Crosfield Ltd. Apparatus for indicating changes in ink. 2,968,988, 1–24–61, Cl. 88—14.

Crosfield, John F., K. B. Morris, and G. S. J. Allen, to J. F. Crosfield Ltd. Colour printing. 2,969,016, 1-24-61, Cl. 101—202.

Croshier, Walter J., to Standard Gage Co., Inc. Squareness gage. 2,969,597, 1-31-61, Cl. 33—172.

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Crosman Arms Co., Inc.: *See*—
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Cross, Allen S., ½ to E. C. Sweeney. Resuscitation device. 2,990,838, 7-4-61, Cl. 137—63.

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Cross, Carroll N. Hinge joints for display mount elements. 3,002,720, 10-3-61, Cl. 248—35.

Cross, Carroll N., and C. D. Hayhow, said Hayhow assor. to Ad-A-Day Co., Inc. Folding memorandum carrier for use on a desk. 3,013,359, 12-19-61, Cl. 45—80.

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Cross Co., The: *See*—
Cohen, Joseph H. 2,995,211.
Cross, Ralph E. 2,982,004.
Cross, Ralph E., and Tech. 2,982,157.
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Cross, Grosvenor M. Means for stowage of vessels. 2,981,417, 4-25-61, Cl. 211—78.

Cross, Grosvenor M. Means for stowage of vessels. 2,983,388, 5-9-61, Cl. 211—78.

Cross, John W., W. F. Tucker, and H. E. Ulmer, to Monsanto Chemical Co. Method for producing polymeric phosphorus pentoxide. 2,988,426, 6-13-61, Cl. 23—165.

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Stolle, Donald E., and Cross. 2,973,583.

Cross, Ralph E., to The Cross Co. Machine. 2,982,004, 5-2-61, Cl. 29—33.

Cross, Ralph E., and K. O. Tech, to The Cross Co. Multiple station machine tool. 2,982,157, 5-2-61, Cl. 77—3.

Crossen, William P., to United Shoe Machinery Corp. Power operated fastener feeding and applying devices. 2,973,021, 2-28-61, Cl. 144—32.

Crossett Co., The: *See*—
Clark, Charles K. 2,994,633.

Crossley, Antony: *See*—
Best, Ronald L., Crossley, Paul, Pardun, and Soeters. 2,975,060.
Paul, Stanley, and Crossley. 2,975,063.
Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,061.
Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,062.

Crossley, Jack, to John Holroyd & Co. Ltd. Rotary compacting machines. 2,997,741, 8-29-61, Cl. 18—20.

Crossley Machine Co., Inc.: *See*—
Lamb, Harold W. 3,013,671.

Crossly Window Corp.: *See*—
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Croswhite, Howard L.: *See*—
Lemieux, George E., Krithers, and Croswhite. 2,987,943.

Crotean, Homer J., and W. A. Wallsten, to United States Steel Corp. Adjustable pay-off reel. 2,990,135, 6-27-61, Cl. 242—129.

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Crotser, Frank P., to Revco, Inc. Built-in refrigeration and food freezer construction. 2,986,900, 6-6-61, Cl. 62—268.

Crotser, Frank P., to Revco, Inc. Refrigeration apparatus. 2,990,698, 7-4-61, Cl. 62—503.

Crotser, Frank P., and C. E. Brown, to Revco, Inc. Refrigerating and defrosting system. 2,984,083, 5-16-61, Cl. 62—234.

Crotty, John V. Positioning tools. 3,008,228, 11-14-61, Cl. 29—280.

Crouch, Alfred H., ½ to R. A. Donatelli. Mechanism to enable firing of shotgun with one arm. 2,970,398, 2-7-61, Cl. 42—69.

Croucher, Antony H., to Compactors Engineering Ltd. Compactors and the like. 3,001,458, 9-26-61, Cl. 94—48.

Crouchman, Alan J., to Daystrom, Inc. Relay control circuits. 2,992,368, 7-11-61, Cl. 317—152.

Crounse, Nathan M., to Sterling Drug Inc. Dispersions of benzimidazolystilbene whitening and brightening agents and production thereof. 2,980,625, 4-18-61, Cl. 252—152.

Crounse, Nathan N., to Sterling Drug Inc. 2-(4-aroylaminophenyl)-5,7-dihydroxy-2H-v-triazolo [d]pyrimidines and preparation thereof. 2,995,525, 8-8-61, Cl. 252—152.

Crouse, Benjamin F., Jr., and A. C. Whitaker, to Gulf Research & Development Co. Process for sulfuric acid extraction of tertiary olefins. 2,968,682, 1-17-61, Cl. 260—677.

Crouse, David J., Jr.: *See*—
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Drumm, Thomas J., and Hilliker. 2,985,862.

Crouzet, Jean-Philippe. Arrangement for protection against cold and inclement weather. 2,988,749, 6-20-61, Cl. 2—205.

Crouzet, Jean-Philippe. Arrangement for protection against cold and inclement weather. 2,989,049, 6-20-61, Cl. 126—208.

Crow, Morgan L.: *See*—
Plattsmier, Rodney L., and Crow. 2,998,990.

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Crowder, Martha H. Collapsible pole assembly. 3,011,810, 12-5-61, Cl. 287—58.

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Crowder, Wiley K. Automatic arrow loader. 2,997,999, 8-29-61, Cl. 124—52.

Crowder, Wyly K., to Harley Earl Associates, Inc. Internal combustion engine. 2,997,990, 8-29-61, Cl. 123—74.

Crowe, Alberta M. Device for the removal of nail polish. 2,980,940, 4-25-61, Cl. 15—506.

Crowe, Gordon A., to Spencer Chemical Co. Precipitation of dense ammonium diuranate. 3,000,698, 9-19-61, Cl. 23—14.5.

Crowe, James W., and B. Housman, to International Business Machines Corp. Multistable circuit. 2,981,933, 4-25-61, Cl. 340—174.

Crowe, Joseph S., to American Can Co. Decorated can body. 2,994,454, 8-1-61, Cl. 220—64.

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Crowe, Talmadge L., to Baker Oil Tools, Inc. Convertible well packer. 3,002,563, 10-3-61, Cl. 166—133.

Crowe, Talmadge L., and E. H. Clark, Jr.; said Crowe assor. to Baker Oil Tools, Inc. Well bore milling apparatus. 3,005,493, 10-24-61, Cl. 166—55.

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Crowell, Gordon W. 2,987,888.

Crowell, Gordon W., to Crowell Designs, Inc. Hydraulic master drive unit. 2,987,888, 6-13-61, Cl. 60—54.6.

Crowell, Walter S., to The S. S. White Dental Mfg. Co. Impression compound. 3,010,834, 11-28-61, Cl. 106—38.4.

Crowl, Leland S. Plunger and valve assembly. 2,991,724, 7-11-61, Cl. 103—225.

Crowley, Edgar I.: *See*—
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Crown Cork & Seal Co., Inc.: *See*—
Bulatkin, Iliya F. 2,988,450.
Fauth, Frederick E., and Bustraan. 2,967,551.
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Crown Machine and Tool Co.: *See*—
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Crown Prince, Inc.: *See*—
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Vesak, Joseph. 3,011,672.

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Burton, John A. 3,007,650.
Dehoney, D. W., Jr. 2,998,180.
Erwin, Frederick J., Jr., and May. 2,997,717.
Fallert, Clifford D. 2,982,465.
Fallert, Clifford D. 2,990,951.
George, Walter C. 2,998,182.
George, Walter C., and Thimmig. 2,990,999.
George, Walter C., and Thimmig. 2,994,468.
George, Walter C., Jr. 3,007,622.
Henderson, John T., and Knapp. 3,013,935.
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Kamlet, Jonas. 2,975,214.
Laneve, Arthur L., Nash, and Tress. 2,973,858.
Larson, Louis P. 3,000,496.
Linde, Robert E. 2,996,238.
MacGregor, Warren S. 2,979,532.
Reher, Robert L. 3,010,633.
Rodgers, Ellis J., Jr. 2,973,295.
Smith, James E. 2,984,342.
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Crowson, Fred B., G. A. Locke, and R. R. MacLaughlin, to Bell Telephone Laboratories, Inc. Printing telegraph automatic switching system. 2,978,534, 4-4-61, Cl. 178—2.

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Crowther, George A., to Sperry Rand Corp., Ford Instrument Co. Division. Fire control computer. 3,006,543, 10-31-61, Cl. 235—61.5.

Crowther, George W. Bulk milk storage tank. 2,994,212, 8-1-61, Cl. 62—392.

Crowther, Gerald O., to North American Philips Co., Inc. Cathode follower with trigger means to assist discharge of capacitance of cathode circuit. 2,975,372, 3-14-61, Cl. 328—213.

Crowther, Joan T., to Nalco Chemical Co. Metal cleaning. 2,986,526, 5–30–61, Cl. 252—135.
Croxall, Willard J., and J. H. Mellema, to Miles Laboratories, Inc. Substituted 2-alkenyltetrahydro-1,3-oxazines. 2,974,140, 3–7–61, Cl. 260—244.
Croxen, Donald J. Venetian blind. 2,983,316, 5–9–61, Cl. 160—174.
Croxton, Herbert P., to The Massillon Rubber Co. Apparatus and process for making latex surgical gloves. 3,013,302, 12–19–61, Cl. 18—24.
Croy, Fred E., to Consolidated Controls Corp. Flexible joint arrangements. 2,976,064, 3–21–61, Cl. 285—165.
Croy, Friedrich. Intimate mixtures of pitch dust with other materials and method of providing same. 2,980,516, 4–18–61, Cl. 44—19.
Croy, Howard D. Tilt-back chair construction. 3,000,668. 9–19–61, Cl. 297—320.
Croy, John. Combined pneumatic and gravity motor. 2,989,839, 6–27–61, Cl. 60—10.
Crozier, Harold E. Flushing plate for outboard motors. 3,003,456, 10–10–61, Cl. 115—17.
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Dunlap, Henry F., Crozier, and Bleakney. 3,000,316.
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Finlay, Walter L. 2,992,135.
Langenberg, Frederick C. 2,979,396.
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Cruger, Robert W., to E. W. Bliss Co. Aircraft arresting hook head. 2,979,292, 4–11–61, Cl. 244—110.
Cruger, Robert W. Constant runout control valve in a hydraulic arresting control. 2,982,301, 5–2–61, Cl. 137—495.
Cruickshank, David S. Tire chain tightener. 2,982,326, 5–2–61, Cl. 152—219.
Crull, Eberhard, to Vereinigte Glanzstoff-Fabriken AG. Screw conveyor and apparatus for melting synthetic polymer particles. 2,978,238, 4–4–61, Cl. 263—7.
Crumb, Carl B., Jr.: *See*—
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Crumley, Julius A., R. W. James, and J. Shulman, to Radio Corp. of America. Electrostatic printing. 2,990,279, 6–27–61, Cl. 96—1.
Crump, Jack G.: *See*—
Knapp, Robert A., and Crump. 3,007,048.
Crump, Jack G., to Industrial Nucleonics Corp. Container inspection system. 2,999,591, 9–12–61, Cl. 209—82.
Crump, Jack G., to Industrial Nucleonics Corp. Radiation detector circuit. 3,001,075, 9–19–61, Cl. 250—836.
Crump, Jack G., to Industrial Nucleonics Corp. Measuring system. 3,001,076, 9–19–61, Cl. 250—83.6.
Crump, Lloyd R.: *See*—
Belknap, Donald J., and Crump. 2,994,011.
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Crumrine, Herbert E., and C. L. Huber, to Xerox Corp. Xerographic processing apparatus. 3,009,402, 11–21–61, Cl. 95—1.7.
Crumrine, Herbert E., and E. T. Smith, to Xerox Corp. Xerographic apparatus. 3,013,346, 12–19–61, Cl. 35—13.
Crumrine, Herbert E., and C. L. Huber, to Xerox Corp. Xerographic image transfer apparatus. 3,013,526, 12–19–61, Cl. 118—249.
Crumrine, Laverne C., Jr., and B. J. Parrish. Fishing device. 3,010,238, 11–28–61, Cl. 43—16.
Crusader Chemical Co., Inc.: *See*—
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Stamberger, Paul, and Fuchs. 3,006,868.
Crutcher-Rolfs-Cummings, Inc.: *See*—
Cummings, James D. 3,014,518.
Foster, Robert D. 2,986,338.
Cruthis, Robert D., T. E. Hrodey, and A. W. Sieving, to Caterpillar Tractor Co. Pivoted dash assembly for tractors and the like. 2,976,947, 3–28–61, Cl. 180—90.
Cruver, Warren C. Adjustable window blinds. 2,994,928, 8–8–61, Cl. 20—62.
Cryder, Michael E.: *See*—
Cryder, Ray E. and M. E. 3,014,724.
Cryder, Ray E. and M. E., ½ to M. S. Cayne and M. G. Reiffin. Television dart game. 3,014,724, 12–26–61, Cl. 273—105.1.
Cryer, John, and E. H. Burk, to The Sherwin-Williams Co. Ammonolysis of 3-nitro, 4-cresol. 2,970,171, 1–31–61, Cl. 260—581.
Crystal, Philip E., to Irving Constant. Method for sewing concealed slide fasteners. 2,979,003, 4–11–61, Cl. 112—
Crystal, Philip E., to I. Constant. Slide fastener. 2,993,251, 7–25–61, Cl. 24—205.1.
Crystal, Philip E., to I. Constant. Method for mounting a concealed slide fastener into a cloth article. 3,003,445, 10–10–61, Cl. 112—262.
Csanady, Michael, Jr.: *See*—
Le Gates, Ralph W., and Csanady. 2,982,902.
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Csendes, Ernest, to E. I. du Pont de Nemours and Co. Stabilized elastomer compositions. 2,999,841, 9–12–61, Cl. 260—45.95.
Csendes, Ernest, to E. I. du Pont de Nemours and Co. Stabilized cured elastomers. 2,999,842, 9–12–61, Cl. 260—45.95.
Csendes, Ernest, to E. I. du Pont de Nemours and Co. Dialkylphenol condensation products. 3,004,035, 10–10–61, Cl. 260—309.7.
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Csonka, Lajos, F. Horkay, F. Szanto, J. Szerecz, and J. Gonczy. Process for the preparation of organophilic oxides and chromate pigments. 2,987,412, 6–6–61, Cl. 106—302.
Csordás, István, B. Lányi, Z. Veress, and L. Vissy, to Kábel-es Muanyaggyár. Process for producing alumina. 2,982,614, 5–2–61, Cl. 23—142.
Cubberley, Richard H., and W. Thomas, to The Patent and Licensing Corp. Emulsion. 3,007,825, 11–7–61, Cl. 154—50.
Cubbidge, James F., and W. D. Drukker, to Western Electric Co., Inc. Apparatus for attaching electrical components to wiring boards. 3,004,262, 10–17–61, Cl. 1—323.
Cubic Corp.: *See*—
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Cuccia, Carmen L.: *See*—
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Cuckler, Ashton C., to Merck & Co., Inc. Therapeutically active compositions. 2,988,480, 6–13–61, Cl. 167—58.
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Burbank, John E. 2,987,809.
Burbank, John E. 3,002,245.
Burbank, John E. 3,005,581.
Cuffey, William H., Jr., and C. B. Sitterson, Jr., to Kimberly-Clark Corp. Cellulosic product. 2,967,010, 1–3–61, Cl. 229—51.
Cukras, Kenneth R.: *See*—
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Culaud, André, to Ateliers des Charmilles S.A. Hydraulic installations comprising a turbine and a pump. 2,996,995, 8–22–61, Cl. 103—97.
Culberson, Fisher W., and W. L. Hicks, to Led Ballast, Inc. Vehicle tire ballast. 3,003,536, 10–10–61, Cl. 152—330.
Culberson, Oran L., and W. A. Pardee, to Gulf Research & Development Co. Production of an aluminum chloride-phosphorous chloride complex. 3,014,778, 12–26–61, Cl. 23—14.
Culberson, Oran L., and W. A. Pardee, to Gulf Research & Development Co. Refining an aluminum-phosphorous containing material. 3,014,781, 12–26–61, Cl. 23—96.
Culbertson, Harry M., and F. J. Hahn, to Monsanto Chemical Co. Coating compositions containing modified urea resins. 2,978,425, 4–4–61, Cl. 260—21.
Culbertson, Harry M., and B. L. Williams, Jr., to Monsanto Chemical Co. Coating compositions comprising an oil-modified alkyd resin and an etherified melamine-formaldehyde resin. 2,980,636, 4–18–61, Cl. 260—21.
Culbertson, Harry M., and B. L. Williams, Jr., to Monsanto Chemical Co. Coating compositions containing aminoplast resins. 2,980,637, 4–18–61, Cl. 260—21.
Culbertson, Harry M., and B. L. Williams, Jr., to Monsanto Chemical Co. Etherified aminoplast resins and coating compositions containing same. 2,996,463, 8–15–61, Cl. 260—21.
Culbertson, James A., and C. E. Fuchs, to The Goodyear Tire & Rubber Co. Reduced thermally surface stressed brake. 2,987,143, 6–6–61, Cl. 188—72.
Culbertson, Ralph L., to The Aro Equipment Corp. Altitude compensated continuous flow oxygen regulator. 2,974,673, 3–14–61, Cl. 137—64.
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Elbaum, Jerome K., and Culbertson. 3,012,880.
Culbertson, William J., Jr.: *See*—
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Culbertson, William J., Jr., to The Oil Shale Corp. Method and apparatus for producing oil from solids. 3,008,894, 11–14–61, Cl. 208—11.
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Culff, Harold E., O. Boettcher, Jr., and E. L. Gammill, to The Garrett Corp. Quick disconnect coupling. 2,978,265, 4–4–61, Cl. 287—130.

Cull, Bruce E., to Compton Truck & Equip. Co. Trailer and transfer means. 3,007,588, 11–7–61, Cl. 214—38.

Cull, Neville L.: *See*—
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Cull, Neville L., to Esso Research and Engineering Co. Purification of aromatic-containing resins. 2,977,346, 3–28–61, Cl. 260—80.7.

Cull, William, ½ to Rzeppa Ltd. Resilient torque transmitting couplings and methods for their manufacture. 3,012,421, 12–12–61, Cl. 64—11.

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Cullen, Charles C., and W. R. Duncan. Protective supporter. 2,994,322, 8–1–61, Cl. 128—80.

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Cullen, Roy H., L. D. Richards, and H. H. Hodgeman, said Richards and Hodgeman assors. to said Cullen. Reel apparatus. 2,989,980, 6–27–61, Cl. 137—355.26.

Cullen, Roy H., and L. D. Richards; said Richards assor. to said Cullen. End coupling for hose having plural layer wire reinforcing. 3,004,779, 10–17–61, Cl. 285—149.

Culligan, Inc.: *See*—
Schulze, Robert E., Heartstedt, Jauch, and Kruckeberg. 3,006,376.
Schulze, Robert E., Heartstedt, Kruckeberg, and Jauch. 3,008,486.

Cullin, Hugh J.: *See*—
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Culp, Chester F., to Lennox Industries, Inc. Fan construction. 2,974,728, 3–14–61, Cl. 170—159.

Culp, Gordon W., J. J. McMullen, and T. F. Bridges, to John J. McMullen Associates. Bulk-cargo carrying ship. 3,002,634, 10–3–61, Cl. 214—15.

Culp, Russell L. Home water purifier. 2,988,221, 6–13–61, Cl. 210—104.

Culver, Eugene S., to United States of America, Navy. Missile transfer dolly. 2,996,310, 8–15–61, Cl. 280—124.

Culver, Frank L. Multiple station block machine. 3,010,173, 11–28–61, Cl. 25—41.

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Culver, Irven H., and D. E. Walters, to Lockheed Aircraft Corp. Tail rotor for helicopter. 3,004,736, 10–17–61, Cl. 244—17.21.

Culver, Robert M. Seal for ball applicators. 2,976,561, 3–28–61, Cl. 15—572.

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Cummaro, Louis A., to Phillips Screw Co. Process for manufacturing inserts. 2,980,929, 4–25–61, Cl. 10—10.

Cumming, James M., G. M. Dyer, and W. C. Noeggerath. Motor mechanism for missiles. 2,972,225, 2–21–61, Cl. 60—35.6.

Cumming, John, to G. S. Blakeslee & Co. Conveyor for dishwashing machines. 2,981,401, 4–25–61, Cl. 198—131.

Cumming, Ronald W., and J. C. Lane, to Commonwealth of Australia. Airborne approach aid. 3,005,185, 10–17–61, Cl. 340—27.

Cummings, George F., Jr.: *See*—
Scott, Robert C. 2,982,127.

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Cummings, James D., to Crutcher-Rolfs-Cummings, Inc. Pipe bending machine. 3,014,518, 12–26–61, Cl. 153—44.

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Shiu, Thomas B. 2,982,074.

Cummings, Percival W., Jr.: *See*—
Cresswell, Arthur, Cummings, and Swain. 3,000,691.

Cummings, Robert A., Jr.: *See*—
Greaves, Melvin J. 2,973,096.

Cummings, Thomas N.: *See*—
Shiu, Thomas B. 2,982,074.

Cummins-Chicago Corp.: *See*—
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Quinn, James L., and Mentzer. 3,002,283.

Cummins, Clessie L. Fuel injection system. 2,984,230, 5–16–61, Cl. 123—140.

Cummins, Clessie L. Fuel injection system. 2,984,231, 5–16–61, Cl. 123—140.

Cummins, Clessie L. Air scavenging system for fuel supply systems of compression ignition engines. 2,997,993, 8–29–61, Cl. 123—139.

Cummins, Richard D., to Firewel Development Co. Valve responsive to changes in speed. 2,966,916, 1–3–61, Cl. 137—39.

Cummins, Richard D., to Firewel Development Co. Regulator. 2,969,801, 1–31–61, Cl. 137—64.

Cummins, Richard W., to Food Machinery and Chemical Corp. Process for the production of phosphine and sodium hypophosphite. 2,977,192, 3–28–61, Cl. 23—107.

Cumpston, Edward H., Jr., to E. D. Jones Corp. Refining machine. 2,978,192, 4–4–61, Cl. 241—222.

Cunder, Joseph, and F. J. Licata, to Nopco Chemical Co. Composition of matter and process for obtaining same. 2,972,590, 2–21–61, Cl. 260—18.

Cunder, Joseph, and F. J. Licata, to Nopco Chemical Co. Complex zinc soaps. 2,995,456, 8–8–61, Cl. 106—243.

Cunefare, Donald D. Steering device for outboard motor. 2,981,222, 4–25–61, Cl. 115—18.

Cunniff, Leo C., to Industrial Instruments, Inc. Portable recording instrument. 2,972,103, 2–14–61, Cl. 324—30.

Cunningham, Alexander Y., and W. F. Mittendorf, to Engelhard Industries, Inc. Method of making composite metal strips. 2,984,901, 5–23–61, Cl. 29—487.

Cunningham, Allen B.: *See*—
Tullos, Frank N., and Cunningham. 3,003,696.

Cunningham, Arthur R., to Cunningham & Sons. Adjustable drag for tedder. Re. 24,957, 3–28–61, Cl. 56—370.

Cunningham, Arthur R., to Cunningham & Sons. Tedder and windrow attachment. 2,979,880, 4–18–61, Cl. 56—372.

Cunningham, Arthur R., to Cunningham & Sons. Stalk shredder. 2,987,868, 6–13–61, Cl. 56—504.

Cunningham, Arthur R., to Cunningham & Sons. Fodder treating machine. 2,992,522, 7–18–61, Cl. 56—1.

Cunningham, Arthur R., to Cunningham & Sons. Windrower mechanism. 2,999,348, 9–12–61, Cl. 56—23.

Cunningham, Burris B.: *See*—
Perlman, Isadore, Thompson, and Cunningham. 2,990,245.

Cunningham, Cecil B. Marine speed craft. 2,991,746, 7–11–61, Cl. 114—66.5.

Cunningham, Cecil R., and T. F. Costello, to Owens-Corning Fiberglas Corp. Apparatus for longitudinally feeding a multifilament strand in wave form configuration. 2,972,439, 2–21–61, Cl. 226—190.

Cunningham, Cecil R., and T. F. Costello, to Owens-Corning Fiberglas Corp. Apparatus for longitudinally pulling continuous multifilament strands. 3,014,629, 12–26–61, Cl. 226—190.

Cunningham, Dennis M., to Chain Belt Co. Counter-current contactor. 2,981,608, 4–25–61, Cl. 23—270.

Cunningham, Donald F. Feeder construction. 2,984,480, 5–16–61, Cl. 271—9.

Cunningham, Donald M.: *See*—
Drugmand, Lester D., and Cunningham. 2,992,314.

Cunningham, Edwin A., Jr., to Hagan Chemicals & Controls, Inc. Diaphragm equalizing means and valve assemblies for totalizers. 2,980,075, 4–18–61, Cl. 121—48.

Cunningham, Francis V., to McGraw-Edison Co. Lightning arrester. 2,999,960, 9–12–61, Cl. 315—36.

Cunningham, George L., to W. R. Grace & Co. Manufacture of sodium fluoride. 3,000,702, 9–19–61, Cl. 23—88.

Cunningham, George L., to Callery Chemical Co. Separation of trimethyl borate from the trimethyl borate-methanol azeotrope. 3,004,058, 10–10–61, Cl. 260—462.

Cunningham, George L., J. M. Bryant, and E. M. Gause, to Callery Chemical Co. Preparation of sodium-potassium borohydride. 2,968,523, 1–17–61, Cl. 23—14.

Cunningham, George L., J. M. Bryant, and E. M. Gause, to Callery Chemical Co. Preparation of potassium borohydride. 2,968,532, 1–17–61, Cl. 23—204.

Cunningham, George L., and F. Pretka, to Callery Chemical Co. Preparation of metal tetraalkoxyborates. 2,996,534, 8–15–61, Cl. 260—462.

Cunningham, James M., to International Business Machines Corp. Elapsed time computer. 2,970,878, 2–7–61, Cl. 346—66.

Cunningham, James M., to International Business Machines Corp. Paper feeding mechanism. 2,979,329, 4–11–61, Cl. 271—29.

Cunningham, James M., to International Business Machines Corp. Carriage control unit for printing mechanisms. 3,014,570, 12–26–61, Cl. 197—133.

Cunningham, James M., and C. D. Hicks, to International Business Machines Corp. Sorting machine. 2,995,240, 8–8–61, Cl. 209—110.

Cunningham, John A., and A. J. Anthony, to The Air Preheater Corp. Pellet type heat exchanger. 2,967,693, 1–10–61, Cl. 257—55.

Cunningham, M. E., Co.: *See*—
Hauer, Leon C. 2,994,264.

Cunningham, Marion M., to United States Rubber Co. Collapsible container. 2,969,102, 1–24–61, Cl. 150—.5.

Cunningham, Marion M., to United States Rubber Co. Cord fabric downspout. 2,984,503, 5–16–61, Cl. 285—260.

Cunningham, Marion M., to United States Rubber Co. Apparatus for continuously forming tubular containers. 2,992,674, 7–18–61, Cl. 154—1.8.

Cunningham, Paul M., to Collins Radio Co. Iso-echo circuit. 2,977,585, 3–28–61, Cl. 343—5.

Cunningham, Paul M., to Collins Radio Co. Pulse forming circuit. 2,994,823, 8–1–61, Cl. 328—65.

Cunningham, Paul M., to Collins Radio Co. Iso-echo circuitry for weather radar. 2,996,678, 8–15–61, Cl. 328—143.

Cunningham, Richard, Jr., to Vapor Heating Corp. Fire extinguishing system. 2,975,771, 3–21–61, Cl. 122—504.

Cunningham, Robert A., to United States of America, Navy. Anti-broach system for torpedoes. 2,987,025, 6–6–61, Cl. 114—23.

Cunningham, Robert A., to Avco Mfg. Corp. Vacuum tube attenuator. 3,004,708, 10–17–61, Cl. 235—189.

Cunningham, Robert A., to Hughes Tool Co. Lubricating system. 3,007,750, 11–7–61, Cl. 308—187.

Cunningham, Robert W.: *See*—
Corbitt, Howard E., Cunningham, and Hill. 2,984,971.

Cunningham & Sons: *See*—
Cunningham, Arthur R. Re. 24,957.
Cunningham, Arthur R. 2,979,880.
Cunningham, Arthur R. 2,987,868.
Cunningham, Arthur R. 2,992,522.
Cunningham, Arthur R. 2,999,348.

Cunningham, Wesley B. Method and apparatus for forming tunnels or other underground conduit installations. 3,005,314, 10–24–61, Cl. 61—42.

Cunningham, William G. Vehicle washing apparatus. 3,009,469, 11–21–61, Cl. 134—123.

Cunningham, William M., to Ludlow Typograph Co. Cooling system. 2,967,694, 1–10–61, Cl. 257—306.

Cunnings, Arthur D.: *See*—
Leonard, George H. 3,003,358.

Cupella, Aldo, ½ to Soc. Metallotecnica. Device for driving a receiving teletypewriter, with correction of the drive-pulse distortion. 2,981,795, 4–25–61, Cl. 178—69.

Cupella, Aldo, ½ to Soc. Metallotecnica. Automatic frequency control receiver for the reception of radio signals for communications through teletypewriters. 2,981,797, 4–25–61, Cl. 178—88.

Cupery, Harold E., and N. E. Searle, to E. I. du Pont de Nemours and Co. Defoliating cotton plants with bisxanthates. 3,011,887, 12–5–61, Cl. 71—2.7.

Cupery, Martin E., to E. I. du Pont de Nemours and Co. Substrate having an organic polymer containing pentavalent phosphorus bonded thereto. 3,013,904, 12–19–61, Cl. 117—76.

Cupery, Martin E., and R. K. Iler, to E. I. du Pont de Nemours and Co. Silica coating composition, process of coating metal therewith and article produced thereby. 3,013,897, 12–19–61, Cl. 117—46.

Cupido, Piet M., and W. J. M. van Gerwen, to North American Philips Co., Inc. Radiation pyrometer. 2,986,935, 6–6–61, Cl. 73—355.

Cupp, Charles D., to Scott Aviation Corp. Positive pressure demand regulator. 2,970,602, 2–7–61, Cl. 137—63.

Curcio, Leonard A. Buoyant vehicle raft. 3,011,184, 12–5–61, Cl. 9—11.

Curkin, Lloyd H.: *See*—
Acker, Walter L., and Curkin. 2,081,609.

Curl, Rane L., to Shell Oil Co. Acoustic determination of operating conditions. 2,971,896, 2–14–61, Cl. 202—160.

Curlee, W. F.: *See*—
Acres, Richard L. 2,987,811.

Curler, Howard J., and R. M. Bauer, to American Can Co. Machine for manufacture of glossy coated sheets. 2,982,245, 5–2–61, Cl. 118—69.

Curlett, John: *See*—
Gurries, Raymond A., and Curlett. 3,000,122.

Curlett, John, to Gurries Mfg. Co. Pendulum-actuated servo mechanism. 2,971,499, 2–14–61, Cl. 121—41.

Curran, Bernard E., to H. H. Robertson Co. Outlet box for air conditioning system. 2,970,531, 2–7–61, Cl. 98—38.

Curran, Bernard E., to H. H. Robertson Co. Damper control apparatus for dual duct air conditioning system. 2,970,768, 2–7–61, Cl. 236—1.

Curran, Bernard E., to H. H. Robertson Co. Building and air distributing structure. 2,987,328, 6–6–61, Cl. 285—19.

Curran, Bernard E., to H. H. Robertson Co. Sealed pipe to pipe to wall joint. 2,987,330, 6–6–61, Cl. 285—159.

Curran, Bernard E., and G. E. Kautz, to H. H. Robertson Co. Air conditioning and air distributing structure. 2,998,194, 8–29–61, Cl. 236—13.

Curran, Charles F., Jr., H. Kazarian, and W. Tingle, to The Holdsworth Mfg. Co. Inc. Power feed apparatus. 2,978,872, 4–11–61, Cl. 60—97.

Curran, Robert J.: *See*—
Ferris, Ernest A., and Curran. 3,011,606.

Curran William F., Jr.: *See*—
Ridgway, John A., Jr., and Curran. 3,000,809.

Currie, Frank L., to The Western Union Telegraph Co. Telegraph system. 3,001,008, 9–19–61, Cl. 178—2.

Currie, Frank L., G. G. Light, E. J. Boivin, F. T. Turner, and A. E. Hildreth, Jr., to The Western Union Telegraph Co. Patron's tie-line reperforation and top-line signal generating system. 2,998,478, 8–29–61, Cl. 178—2.

Currie, Grover C., to Currie Mfg. Co. Container setting up machine. 2,993,419, 7–25–61, Cl. 93—44.1.

Currie, Grover C., Jr., and D. E. Conrades, to Container Corp. of America. Can packaging apparatus. 3,013,796, 12–19–61, Cl. 271—9.

Currie, James W.: *See*—
Mack, Kent M., Currie, and Saulson. 3,005,987.

Currie Mfg. Co.: *See*—
Currie, Grover C. 2,993,419.

Currie, William E.: *See*—
Schmohl, Leland H., Currie, and Langston. 3,007,721.

Currier, Edwin L., Jr., and J. H. Nicklas, to United States of America, Atomic Energy Commission. Radiation facility for nuclear reactors. 3,012,956, 12–12–61, Cl. 204—193.2.

Curriston, Loren E., and A. de Boer; said Curriston assor. to Lear, Inc. Shock and vibration isolator. 2,982,510, 5–2–61, Cl. 248—358.

Curry, Charles L. Cassette changer for femoral arteriography. 2,999,159, 9–5–61, Cl. 250—58.

Curry, Clyde W., to American Can Co. Safety hand shears. 3,010,206, 11–28–61, Cl. 30—131.

Curry, Francis J., to Laughton and Sons Ltd. Hair curl clips. 2,996,069, 8–15–61, Cl. 132—48.

Curry, Harold E. Atomizer. 2,993,652, 7–25–61, Cl. 239—338.

Curry, James E, to Pacific Semiconductors, Inc. Orienting apparatus. 2,967,692, 1–10–61, Cl. 221—173.

Curry, Malcolm, to The American Thread Co. Agitator-hopper assembly for spool labelers, machines or the like. 2,977,006, 3–28–61, Cl. 214—301.

Curry, Paul N., to The Upjohn Co. Animal drinking valve. 3,008,451, 11–14–61, Cl. 119—72.5.

Curry, Winfield S., Jr., to Hughes Aircraft Co. Transistor majority logic adder. 2,999,637, 9–12–61, Cl. 235—175.

Curtice, George L.: *See*—
Morris, Earl L., and Curtice. 3,012,250.

Curtin, Ernest. Adhesived carpet blocks. 3,014,829, 12–26–61, Cl. 154—49.

Curtin, Leo P. Anhydrous monocarboxylic acid detergent compositions. 2,992,992, 7–18–61, Cl. 252—109.

Curtis, Aaron I., and W. J. Larsen, to Minneapolis-Honeywell Regulator Co. Control apparatus for liquid cooler. 2,978,878, 4–11–61, Cl. 62—162.

Curtis-Allbrite Lighting, Inc.: *See*—
Henning, Donald S. 2,983,535.

Curtis Automotive Devices, Inc.: *See*—
Curtis, Russell R. 2,979,901.
Curtis, Russell R., and Osburn. 2,970,430.

Curtis, Clifton R., to Hamilton Pharmacal Co., Inc. Polyvinylpyrrolidone penicillin treatment of bovine mastitis. 2,968,592, 1–17–61, Cl. 167—43.2.

Curtis, Daniel L., to Litton Industries, Inc. Electronic digital multipliers. 2,978,179, 4–4–61, Cl. 235—194.

Curtis, Daniel L., to Litton Systems, Inc. Omnipositional rotary switch. 2,979,578, 4–11–61, Cl. 200—32.

Curtis, Donald W., to E. D. Jones Corp. Double-disk refiner. 2,982,482, 5–2–61, Cl. 241—33.

Curtis, Fred L., to Norton Co. Mounted points. 2,984,555, 5–16–61, Cl. 51—309.

Curtis, George W., to The Timken Roller Bearing Co. Seal. 3,006,701, 10–31–61, Cl. 308—187.1.

Curtis, Gerald J. Adjustable stabilizer for boats. 3,002,485, 10–3–61, Cl. 114—66.5.

Curtis, Gerald R., to Consolidated Electrodynamics Corp. Differential transducer. 2,969,514, 1–24–61, Cl. 338—4.

Curtis, Gerard W., to R. S. Aries. Preparation of sucrose monoesters. 2,999,858, 9–12–61, Cl. 260—234.

Curtis, Guy A. Reversible driving mechanism with automatic stop. 3,012,520, 12–12–61, Cl. 104—235.

Curtis, James E., ¼ to Albert Andy, ¼ to Anthony Andy, and ½ to Curtis Machine Co. Extruding head filter. 3,007,199, 11–7–61, Cl. 18—12.

Curtis, John C., to Joy Mfg. Co. Device for use in uncoupling drill steels. 2,976,943, 3–28–61, Cl. 185—223.

Curtis Keith W.: *See*—
Haskett, Elmer L. 3,006,647.

Curtis, Leslie M. Shank gripping wire frame clamp. 2,986,184, 5–30–61, Cl. 144—303.

Curtis, Lorin W., to Tung-Sol Electric Inc. Rear loading lamp and receptacle therefor. 2,988,632, 6–13–61, Cl. 240—8.3.

Curtis Machine Co.: *See*—
Curtis, James E. 3,007,199.

Curtis Mfg. Co.: *See*—
Jones, Carl B. 2,969,093.

Curtis & Marble Machine Co.: *See*—
Coolidge, Charles H. 3,009,428.

Curtis, Margaret O.: *See*—
Curtis, Richard C. 2,998,483.

Curtis, Matthew A.: *See*—
Sentz, Lemuel E., Jr., and Curtis. 3,003,862.

Curtis, Nicholas, to Trans-Lux Corp. Data-reproducing apparatus. 3,004,102, 10–10–61, Cl. 178—7.1.

Curtis, Norman S., to Ransburg Electro-Coating Corp. Apparatus for conveying articles. Re. 24,961, 4–4–61, Cl. 118—316.

Curtis 1000, Inc.: *See*—
Whitman, Harlan M. 3,013,713.

Curtis, Peter B.: *See*—
Holmes, Norman L., and Curtis. 3,006,177.

Curtis, Peter B., to The General Electric Co. Ltd. Thermoelectric devices. 2,992,539, 7–18–61, Cl. 62—3.

Curtis, Richard C., deceased, by M. O. Curtis, executrix, to Hazeltine Research, Inc. Self-correcting pulse-code communication receiving system. 2,998,483, 8–29–61, Cl. 178—23.

Curtis, Richard C., to Hazeltine Research, Inc. Navigation system for aircraft. 3,004,257, 10–10–61, Cl. 343—112.

Curtis, Robert M., to American Flange & Mfg. Co., Inc. Reversible spouts and nozzles with clinched in gasket. 2,967,646, 1–10–61, Cl. 222—539.

Curtis, Russell R., to Curtis Automotive Devices, Inc. Pulse jet engine. 2,979,901, 4–18–61, Cl. 60—39.77.

Curtis, Russell R., and A. R. Osburn, to Curtis Automotive Devices, Inc. Auxiliary inlet valve for resonant pulse jet engines. 2,970,430, 2–7–61, Cl. 60—35.6.

Curtis, William A.: *See*—
Merrill, Patterson D., Curtis, and De Freeuw. 2,990,731.

Curtiss, George C., 12½% to S. G. Militana. Sponge chewing gum and method of making the same. 2,973,273, 2–28–61, Cl. 99—135.

Curtiss, Lawrence E.: *See*—
Hirschowitz, Basil I. 3,010,357.

Curtiss, Lawrence M., to The Thomas & Betts Co. Grounding device for electrical wiring systems. 2,974,185, 3–7–61, Cl. 174—51.

Curtiss, Lawrence M., to The Thomas & Betts Co. Service entrance head. 2,993,084, 7–18–61, Cl. 174—81.

Curtiss-Wright Corp.: *See*—
Alcock, Norman Z. 3,010,020.
Bamford, Henry S. 2,989,864.
Barbieri, Donald B., Becker, Dalton, and Galowin. 2,975,225.
Bennett, Raymur B., Hall, and Preis. 3,008,558.
Bentele, Max. 2,979,042.
Bentele, Max., Dehne, and Folley. 2,974,522.
Bentele, Max, Jones, and Sollinger. 3,007,460.
Berezin, Evelyn. 2,973,141.
Chillson, Charles W. 2,966,805.
Chillson, Charles W. 2,998,079.
Chillson, Charles W. 3,008,340.
Clark, John M. 3,000,670.
Clark, Kendall. 2,978,866.
Coons, William C., McKimm, and Pease. 2,984,951.
Dawson, William H., Jr., and Simpson. 2,987,829.
Doerries, George H. 2,975,648.
Elmore, William B., and Minkow. 2,995,298.
Ferri, Antonio. 2,986,002.
Ferri, Antonio. 2,989,843.
Ferri, Antonio. 2,990,142.
Frank, Wilbert W. 3,008,223.
Fuller, John L., and Wickline. 2,990,825.
Gallo, Ella A., and Payne. 2,999,354.
Goodwin, Roscoe H. 2,979,833.
Grudin, Daniel. 2,966,808.
Grudin, Daniel. 3,008,355.
Harshman, Daniel L. 2,970,431.
Harshman, Daniel L. 2,999,672.
Hersh, Phyllis. 2,972,736.
Hjelstrom, Irving E. 3,000,082.
Hoffman, Howard D., and Richardson. 2,974,479.
Howald, Werner E. 2,970,438.
Howald, Werner E. 2,989,845.
Howald, Werner E. 2,994,508.
Howald, Werner E., and Hollerith. 2,999,668.
Hungerford, Philip C., Jr. 2,979,925.
Hungerford, Philip C., Jr., and Tomko. 3,011,605.
Hurley, Roy T., and Litke. 3,007,421.
Kelley, George S. 2,974,482.
Kempton, Howard O. 2,997,923.
Kosson, Robert L., and Schaefer. 2,995,892.
Leonard, Eugene. 2,991,453.
Linhart, Emil J. 2,971,177.
Lovins, Gerald H. 2,990,256.
Lubkin, Samuel, Mock, and Rasdal. 2,998,292.
Lundquist, Wilton G. 2,990,108.
Marret, Claude, and Armanville. 3,004,350.
Mortimer, Austin J. 3,007,257.
Moulton, Lloyd J., and Baxter. 3,011,352.
Moulton, Lloyd J., and Dangler. 2,980,029.
Murphy, John F., and Stulen. 2,974,790.
Otis, Arthur N., Jr. 2,968,727.
Parrish, Walter A., and Horton. 2,995,897.
Peterson, Frederick J., and McCullough. 3,010,424.
Petre, Philip C. 3,008,379.
Pierce, Erold F. 2,978,865.
Richter, John E. 3,011,274.
Sacchini, Columbus R., and Tomko. 2,968,380.
Smack, Kenneth G. 3,008,859.
Smith, Max L. 2,993,605.
Stoner, Willis A., and Rains. 2,985,108.
Stout, Ellarson R. 3,000,198.
Tomko, Donald R. 3,000,481.
Tomko, Donald R., and Neff. 2,984,325.
Trifileman, Bernard H. 3,013,875.
Vogt, Richard. 2,969,037.
Vogt, Richard. 2,987,272.
Walker, Chapman J. 2,994,509.
Watts, Hargus, and Stulen. 3,008,354.

Curtius, Edmund, to Kilian & Co. G.m.b.H. Tabletting presses. 2,992,729, 7–18–61, Cl. 209—79.

Curtner, Richard L., to F. A. Daugherty. Dual function flasher. 2,992,336, 7–11–61, Cl. 307—41.

Cusano, Dominic A., to General Electric Co. Field enhanced luminescence system. 2,992,349, 7–11–61, Cl. 313—92.

Cusano, Paul P., and E. V. Daddis, to American Shuffleboard Co. Play control device for games. 2,986,397, 5–30–61, Cl. 273—126.

Cushing, Donald S., to General Electric Co. Multiple cycle dishwashing machine. 2,990,835, 7–4–61, Cl. 134—58.

Cushing, Donald S., and R. M. Sasnett, to General Electric Co. Electric control arrangement for appliances. 2,987,066, 6–6–61, Cl. 134—57.

Cushing, Donald S., and R. M. Sasnett, to General Electric Co. Self-starting induction motor. 3,015,055, 12–26–61, Cl. 318—207.

Cushing, Richard W., and R. Dereng, to Warwick Mfg. Corp. Antenna for a signal-receiving device. 2,969,543, 1–24–61, Cl. 343—805.

Cushler, Daniel T., and E. A. McKesson; said Cushler assor. to E. Williamson. Can openers. 3,000,096, 9–19–61, Cl. 30—10.

Cushman, Clifford E, and R. J. Wrighton, to Pacific Scientific Co. Safety harness device. 2,992,790, 7–18–61, Cl. 242—107.4.

Cushman, Kenneth V., to The Delron Co., Inc. Structural spacer. 2,967,593, 1–10–61, Cl. 189—34.

Cushman, Kenneth V., and P. V. Pagel, to The Delron Co., Inc. Structural fastener. 3,008,552, 11–14–61, Cl. 189—34.

Cushman, Walton W. Food hydration and cooking assembly. 2,970,589, 2–7–61, Cl. 126—19.5.

Cushman, Walton W. Quick deflating means for pneumatic dunnage. 2,978,119, 4–4–61, Cl. 214—10.5.

Cushman, Walton W. Cargo balance computer for aircraft. 2,979,256, 4–11–61, Cl. 235—61.

Cushman, Walton W. Pneumatic dunnage. 2,990,070, 6–27–61, Cl. 214—10.5.

Cushman, Walton W. Inflatable structure. 2,990,837, 7–4–61, Cl. 135—1.

Cushman, Walton W. Parachute. 2,993,667, 7–25–61, Cl. 244—142.

Cushman, Walton W. Collapsible container. 3,006,396, 10–31–61, Cl. 150—.5.

Cushman, Walton W. Ice breaking apparatus and method. 3,009,434, 11–21–61, Cl. 114—40.

Cusic, John W., to G. D. Searle & Co. 2-chloro-10-phenothiazinecarbonylpiperazines. 2,969,358, 1–24–61, Cl. 260—243.

Cusic, John W., to G. D. Searle & Co. 2-acyl-10-oxyalkylpiperidinoalkylphenothiazines and process. 3,000,885, 9–19–61, Cl. 260—243.

Cuss, John F., to Gloster Aircraft Co. Ltd. Doors. 2,989,786, 6–27–61, Cl. 20—16.

Custer, Charles J., and A. L. Hopper, to United States of America, Army. Antenna for proximity fuse. 2,995,089, 8–8–61, Cl. 102—70.2.

Custers, Jan F. H., H. B. Dyer, and R. W. Ditchburn, to Industrial Distributors (1946) Ltd. Treatment of diamonds. 2,998,365, 8–29–61, Cl. 204—157.

Custom Engineering and Development Co.: *See*—
Burlis, Norbert W., and Reinert. 2,970,041.
Burlis, Norbert W., and Reinert. 3,006,336.

Custom Mfg. Co.: *See*—
Wisner, Benjamin. 3,005,541.

Custom Spray Equipment Corp.: *See*—
McMahon, John J. 2,995,307.

Custom-Made Paper Bag Co., Inc.: *See*—
Lerner, Bernard. 2,973,697.

Cutforth, Howard G., to Phillips Petroleum Co. Manufacture of solid propellants. 2,970,046, 1–31–61, Cl. 52—.5.

Cutforth, Howard G., to Phillips Petroleum Co. Hydraulic cements having an extended thickening time, methods of making the same, and processes employing the same. 2,995,189, 8–8–61, Cl. 166—31.

Cutforth, Howard G., to Phillips Petroleum Co. Method for making a rocket motor. 3,010,355, 11–28–61, Cl. 86—1.

Cuthbert, Stuart V., and D. Wroughton, to United States of America, Navy. Method for producing molybdenum or molybdenum alloy gun liner. 2,972,179, 2–21–61, Cl. 29—1.1.

Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Cosecant squared antenna-reflector systems. 2,976,535, 3–21–61, Cl. 343—779.

Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Traveling wave tube. 2,989,661, 6–20–61, Cl. 315—3.6.

Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Traveling-wave tubes. 3,005,126, 10–17–61, Cl. 315—3.5.

Cutler, Frank A., to Merck & Co., Inc. 4,9(11)-pregnadien-17α-ol-3,20-dione compounds and process therefor. 3,009,935, 11–21–61, Cl. 260—397.45.

Cutler, Frank A., Jr.: *See*—
Sletzinger, Meyer, and Cutler. 3,013,034.

Cutler, Frank A., Jr., J. A. Hause, and M. Sletzinger, to Merck & Co., Inc. Preparation of 16-alkyl-20-keto steroid enol acylates. 2,970,157, 1–31–61, Cl. 260—397.45.

Cutler, Frank A., Jr., and J. M. Chemerda, to Merck & Co., Inc. 9(11)-16-pregnadiene-20-one compounds through 17 and 21 brominated intermediates. 3,013,031, 12–12–61, Cl. 260—297.45.

Cutler-Hammer, Inc.: *See*—
Barnickel, Arthur K., and Hooks. 3,001,540.
Becknell, James L., and Papa. 3,012,115.
Brown, Harry W. 2,974,919.
Byrnes, Richard J. 3,011,162.
Byrnes, Richard J., Montgomery, and Sadowski. 2,988,196.
Byrnes, Richard J., Pence, and Rae. 3,011,621.
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Charbonneau, Allan P., and Duncan. 2,976,515.
Cox, Irvin W. 2,984,770.
Dyer, John N., and Fubini. 2,984,802.
Elliot, William H., and Yager. 2,972,684.
Fath, Douglas W. 3,004,201.
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Fischer, Paul M. 2,986,692.
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Greening, Donald J., Peterson, and Smith. 3,007,099.
Hampton, William L. 2,977,558.
Howdle, Frederic E., and Otto. Re. 25,018.
Jochem, Theodore B. 3,006,258.
Jones, Rexford W., Reif, and Walkup. 3,011,435.
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Larkin, Robert E. 2,988,724.
McNicol, Forrest C., and Rosing. 2,967,977.
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Simson, Verne H. 3,004,202.
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Cutler, Myron A., to General Electric Co. Interlocking mechanism for electric power tap-off units in a plug-in type busway system. 3,007,016, 10–31–61, Cl. 200—50.

Cutler, Wallace M., to O. C. Eckel. Roughening machine. 2,995,767, 8–15–61, Cl. 15—303.

Cutten, William K., and J. McNutt, to J. Lees and Sons Co. All purpose carpet dye kettle. 2,979,934, 4–18–61, Cl. 68—177.

Cutten, William K., and J. McNutt, to James Lees and Sons Co. Edge control device for fabric dye kettles and the like. 2,997,871, 8–29–61, Cl. 68—77.

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Cuvelier, Jean J., to Ateliers de Constructions Electriques de Charleroi. Teleprinter secrecy system. 2,981,794, 4–25–61, Cl. 178—22.

Cuzzone, Raymond, and H. A. Fohrhaltz, to General Electric Co. Pump enclosure assembly. 2,994,732, 8–1–61, Cl. 174—15.

Cyba, Henry A., to Universal Oil Products Co. Stabilized hydrocarbon distillate. 2,974,024, 3–7–61, Cl. 44—62.

Cyba, Henry A., and R. B. Thompson, to Universal Oil Products Co. Stabilized hydrocarbon distillate. 2,974,023, 3–7–61, Cl. 44—62.

Cyba, Henry A., and R. B. Thompson, to Universal Oil Products Co. High temperature lubricating grease containing a p,p'-diaminodiphenylether. 2,982,729, 5–2–61, Cl. 252—40.7.

Cyba, Henry A., and R. B. Thompson, to Universal Oil Products Co. Reaction of rosin acid adducts with dialkanolamines. 2,982,750, 5–2–61, Cl. 260—26.

Cyba, Henry A., and R. H. Rosenwald, to Universal Oil Products Co. Stabilization of lubricants. 3,011,976, 12–5–61, Cl. 252—32.

Cyba, Henryk A., to Universal Oil Products Co. Alkyl acid phosphate salt of the reaction product of epihalohydrin and amine. 3,012,056, 12–5–61, Cl. 260—461.

Cybart, John J., Jr. Carburetors. 3,006,620, 10–31–61, Cl. 261—50.

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Cybriwsky, Alexander, and N. Mostovych, to Reynolds Metals Co. Chemical brightening and electrolytic polishing of aluminum. 2,967,136, 1–3–61, Cl. 204—140.5.

Cybriwsky, Alexander, G. L. Hager, and D. J. Schardein, to Reynolds Metals Co. Method of coloring aluminum surface. 2,990,304, 6–27–61, Cl. 148—6.1.

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Cypser, Gustav J., and E. R. Dayton, to Sperry Rand Corp. Flight indicators. 2,999,237, 9–5–61, Cl. 343—107.

Cyr, Joseph W., to Snow Flake Canning Co. Process of dehydrating potatoes. 2,973,276, 2–28–61, Cl. 99—207.

Cyrus, Alva E., to Westinghouse Electric Corp. Refrigeration apparatus. 2,995,649, 8–8–61, Cl. 240—4.

Czaja, Julius, to United States of America, Air Force. Inertia friction brake. 2,996,156, 8–15–61, Cl. 188—135.

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Czajkowski, Norman, to United States of America, Navy. Inertia time delay mechanism. 2,978,984, 4–11–61, Cl. 102—80.

Czajkowski, Norman, to United States of America, Navy. Safety device for rocket steered projectiles. 3,001,478, 9–26–61, Cl. 102—70.2.

Czaplicke, Edwin J., to Wilkinson Chutes, Inc. Corner guard assembly. 3,001,330, 9–26–61, Cl. 50—166.

Czenkusch, Edward L., to Phillips Petroleum Co. Solid polymer and method of production. 3,014,019, 12–19–61, Cl. 260—94.9.

Czenkusch, Edward L., and W. L. Fawcett, to Phillips Petroleum Co. Gas phase polymerization utilizing a free-settling, fluidized catalyst and reactor system therefor. 3,002,963, 10–3–61, Cl. 260—94.9.

Czerlinsky, Ernst R., and R. A. MacMillan, to United States of America, Air Force. Analyzer channel for use in an automatic hysteresis loop recorder. 2,968,004, 1–10–61, Cl. 328—133.

Czerwin, Edward P., and R. S. Seidel, to E. I. du Pont de Nemours and Co. Process for applying a hydraulic cementitious material to a structural base and article produced thereby. 2,976,173, 3–21–61, Cl. 117—70.

Czerwinski, Waclaw, to Avro Aircraft Ltd. Vertical propulsion of aircraft. 2,988,308, 6–13–61, Cl. 244—114.

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Daane, Robert A., and E. J. Justus, to Beloit Iron Works. Dryer drainage control. 2,993,282, 7–25–61, Cl. 34—125.

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Dachkevitch, Vsevolod, to Commissariat a l'Energie Atomique. Traveling crane for precise operation. 3,008,587, 11–14–61, Cl. 212—129.

Da Costa, Harry, to The Plessey Co. Ltd. Phonograph record changers. 3,012,788, 12–12–61, Cl. 274—10.

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Daffin, Douglas E., to Camco, Inc. Equalizing standing valve with hold-down. 2,994,280, 8–1–61, Cl. 103—229.

Daffin, Douglas E., to Camco, Inc. Well tool mounting. 3,005,494, 10–24–61, Cl. 166—136.

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Dahl, Einar S., to Borg-Warner Corp. Fuel injection nozzle. 2,986,342, 5–30–61, Cl. 239—453.
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Dahl, Robert R., to The Dole Valve Co. Thermostatic mixing valve. 2,982,475, 5–2–61, Cl. 236—12.
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Daimler, Berthold, H. Elling, R. Elssner, and K. Heuer, to American Enka Corp. Method of spinning low elongation viscose rayon. 3,002,803, 10–3–61, Cl. 18—54.

Daimon, Nobutoshi. Method of producing synthetic mica. 3,009,788, 11–21–61, Cl. 23—304.

Daines, Geoffrey A., to Westinghouse Electric Corp. Filament conveyor. 2,976,035, 3–21–61, Cl. 269—189.

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Daiuta, Leo R., and J. A. Thurlo, to Lukens Steel Co. Lifting device for removing and replacing roll assemblies in a rolling mill. 2,998,278, 8–29–61, Cl. 294—82.

Dakin, Robin M.: *See*—
Saville, Harold, and Dakin. 2,984,069.

Dakin, Vernon W., to General Motors Corp. Packaging machine. 2,982,067, 5–2–61, Cl. 53—180.

Dal Bianco, Bruno, and M. Scata, to International Standard Electric Corp. Electromagnetic switch apparatus. 3,014,102, 12–19–61, Cl. 200—87.

Dalby-Balls, Arthur H., to W. J. Sampson. Automatic pressure bar wood saw. 2,984,004, 5–16–61, Cl. 30—166.

Dalco Industries, Inc.: *See*—
Weiss, David. 3,003,188.
Weiss, David. 3,003,579.

Dale, Colin B., to Webcor, Inc. Automatic indexing record changer. 2,974,962, 3–14–61, Cl. 274—10.

Dale, George W.: *See*—
Perkins, Glen E., and Dale. 2,970,392.
Perkins, Glen E., and Dale. 2,976,783.
Perkins, Glen E., and Dale. 2,976,784.
Perkins, Glen E., and Dale. 2,993,257.

Dale, Jack K., to The Upjohn Co. Neomycin and mirystylgamma-picolinium halide compositions. 3,008,875, 11–14–61, Cl. 167—65.

Dale, Jack K., to The Upjohn Co. Neomycin salt of higher fatty acids. 3,013,007, 12–12–61, Cl. 260—210.

Dale, Paul A.: *See*—
Fowler, Roland G., Larsen, Dale, and Garvey. 2,985,364.

Dale Products, Inc.: *See*—
Hay, Bernard F. 2,993,186.

Dale, William S., and P. R. Haskell, to Remington Arms Co., Inc. Impact wrench control. 2,969,660, 1–31–61, Cl. 64—27.

D'Aleandro, Nicholas J., W. G. Mocey, and E. W. Zearfoss, Jr., to Philco Corp. Refrigeration apparatus. 2,978,884, 4–11–61, Cl. 62—413.

D'Alelio, Gaetano F., to Koppers Co., Inc. Epoxyalkyl alkenylaryl ethers. 2,970,984, 2–7–61, Cl. 260—47.

D'Alelio, Gaetano F., to Dal Mon Research Co. Tubular structures. 2,982,457, 5–2–61, Cl. 229—3.5.

D'Alelio, Gaetano K., to Koppers Co., Inc. Preparation of expandible ethylenically unsaturated polymer particles and cellular product therefrom. 2,983,692, 5–9–61, Cl. 260—2.5.

D'Alelio, Gaetano F., to Koppers Co., Inc. Preparation of aryl ethers. 2,983,703, 5–9–61, Cl. 260—45.5.

D'Alelio, Gaetano F., to Bar Dal Inc. Irradiated polymers. 2,989,452, 6–20–61, Cl. 204—154.

D'Alelio, Gaetano F., to Dal Mon Research Co. Triazinyl esters and amides and polymerization products thereof. 2,993,877, 7–25–61, Cl. 260—45.5.

D'Alelio, Gaetano F., to Koppers Co., Inc. Styrene-glycidyl acrylate copolymer foam. 2,994,670, 8–1–61, Cl. 260—2.5.

D'Alelio, Gaetano F., to Bar Dal, Inc. Combustion process employing irradiated solid polymeric fuels containing oxidizing agents. 3,003,310, 10–10–61, Cl. 60—35.4.

D'Alelio, Gaetano F., to Dal Mon Research Co. Condensation of aldehydes with triazinyl phosphonic esters and amides and products thereof. 3,011,998, 12–5–61, Cl. 260—45.2.

D'Alelio, Gaetano F., to W. R. Grace & Co. Polyethylene process. 3,014,021, 12–19–61, Cl. 260—94.9.

Daley, Frank R. L., Jr., to General Motors Corp. Universal joint centering device. 2,991,634, 7–11–61, Cl. 64—21.

Daley, Henry F., and W. H. Kaechele, to Air Products and Chemicals Inc. Container and method of dispensing liquefied gases therefrom. Re. 25,065, 10–31–61, Cl. 62—53.

Daley, John L. S., to Union Carbide Corp. Elimination of formation of alkaline secondary cells. 2,976,341, 3–21–61, Cl. 136—34.

Daley, John L. S., to Union Carbide Corp. Sealed nickel cadmium cell. 2,980,747, 4–18–61, Cl. 136—6.

Daley, John L. S., to Union Carbide Corp. Method of constructing nickel-cadmium cells. 3,002,041, 9–26–61, Cl. 136—176.

Daley, William F.: *See*—
Norton, James P., and Daley. 2,983,155.
Norton, James P., and Daley. 3,002,681.

Dalgleish, John E., to R. C. Veit, d.b.a. Veet Industries. Tubular rocket combustion chamber. 2,976,679, 3–28–61, Cl. 60—35.6.

Daline, Gordon. Liquid container with built-in drinking straw. 2,992,118, 7–11–61, Cl. 99—171.

Da-Lite Screen Co., Inc.: *See*—
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Dall, Albert H., to The Cincinnati Milling Machine Co. Vibration damper. 2,998,867, 9–5–61, Cl. 188—1.

Dall, Edard D. Seat track mechanism. 3,007,688, 11–7–61, Cl. 248—429.

Dall, Gerald J. Cabinet. 2,994,145, 8–1–61, Cl. 38—129.

Dallas, Wilbur G., Jr., to Jet-Heet, Inc. Thermal blanket. 2,978,225, 4–4–61, Cl. 257—12.

Dallay, Gaston, to Emboutis Metalliques Appliques. Container sealing means. 3,012,687, 12–12–61, Cl. 215—40.

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Dallenbach, Frederick, H. P. Eichenberger, E. M. Knoernschild, and N. Van Le; said Dallenbach assor. to The Garrett Corp. Diffuser. 2,967,013, 1–3–61, Cl. 230—127.

Dallenbach, Frederick, to The Garrett Corp. Gas turbine heater. 2,975,783, 3–21–61, Cl. 126—110.

Dallenbach, Hans R.: *See*—
Reich, Irving, and Dallenbach. 2,994,665.

Dalman, Harold J.: *See*—
Miller, Meritt L., and Dalman. 2,987,678.

Dalmasso, Auguste, to L'Aluminium Francais. Suspension for an electric cable. 2,984,441, 5–16–61, Cl. 248—63.

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D'Alelio, Gaetano F. 2,982,457.
D'Alelio, Gaetano F. 2,993,877.
D'Alelio, Gaetano F. 3,011,998.

Dal Nogare, Stephen, and J. O. Punderson, to E. I. du Pont de Nemours and Co. Polyoxymethylene carboxylates of improved thermal stability. 2,998,409, 8–29–61, Cl. 260—67.

D'Aloiso, Elio F., and M. De Haas, to The New Britain Machine Co. Infeed attachment for a machine tool. 2,975,876, 3–21–61, Cl. 192—150.

Dalpiaz, Louis. Water ski binder. 2,988,761, 6–20–61, Cl. 9—310.

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Ludwig, Ralph E., and Dalrymple. 2,979,452.

Dalrymple, Ferdinand H., and F. P. Smiley. Conveyor chain. 2,994,422, 8–1–61, Cl. 198—176.

Dalrymple, William P. 2-cycle engine. 2,983,334, 5–9–61, Cl. 184—6.

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Dalton Foundaries, Inc., The: *See*—
Marmont, George H., and Linp. 2,985,446.

Dalton, Harold R., to Timefax Corp. Electrochemical recording. 2,983,654, 5–9–61, Cl. 204—2.

Dalton, Harold R. Polyvalent metal soap coating and method of manufacture. 3,009,890, 11–21–61, Cl. 260—23.

Dalton, Harold R., and M. Wolf, to Timefax Corp. Electrosensitive planographic printing plate. 2,983,220, 5–9–61, Cl. 101—149.2.

Dalton, Harold R., and M. Wolf, to Timefax Corp. Planographic printing plates. 2,983,221, 5–9–61, Cl. 101—149.2.

Dalton, James M.: *See*—
Martin, James J., and Dalton. 3,004,146.

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Klenp, George F., and Dalton. 2,996,635.

Dalton, Robert F., to Howard Foundry Co. Cored passageway formation. 2,991,520, 7–11–61, Cl. 22—194.

Dalton, Robert J. Soil amendment and nutrient inclusion. 2,970,049, 1–31–61, Cl. 71—63.

Dalton, Robert L., to Graflex, Inc. Photographic camera. 2,988,975, 6–20–61, Cl. 95—44.

Dalton, Robert L., to Graflex, Inc. Take-up spool for photographic cameras. 3,003,712, 10–10–61, Cl. 242—74.

Dalton, Thomas B., to West Michigan Steel Foundry Co. Landing gear for semi-trailers and the like. 3,007,677, 11–7–61, Cl. 254—86.

Dalton, Thomas N.: *See*—
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Dalton, Wayne D.: *See*—
Buesing, Richard T., and Dalton. 3,013,215.

D'Altrui, Thomas N. Drive-in storage rack. 2,971,658, 2–14–61, Cl. 211—147.

Daly, George F., and J. A. Weidenhammer, to International Business Machines Corp. Card handling apparatus. 2,970,751, 2–7–61, Cl. 234—29.

Daly, James U., to Robertshaw-Fulton Controls Co. Pressure regulator. 2,993,507, 7–25–61, Cl. 137—505.42.

Daly, Lawrence E., to United States Rubber Co. Vulcanized shoe sole containing butadiene styrene copolymers and graft copolymer. 2,972,593, 2–21–61, Cl. 260—41.5.

Daly, Thomas A.: *See*—
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Daly, Webster J. Welding torch viewing shield attachment. 3,008,514, 11–14–61, Cl. 158—27.4.

Daman, Arthur C., to Denver Equipment Co. Duplicate section grinding mill. 3,001,730, 9–26–61, Cl. 241—183.

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Damaskus, Charles W., to Armour and Co. Stabilized chymotrypsin solution. 2,978,385, 4–4–61, Cl. 195—63.

Damast, Martin A., to Acoustics Associates, Inc. Electronic apparatus for sensing the presence or absence of material. 3,013,256, 12–12–61, Cl. 340—244.

D'Amato, Michael A., to Seaman-Andwall Corp. Material spreaders for dump trucks. 2,967,056, 1–3–61, Cl. 275—8.

Dameron, Robert O.: *See*—
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Dameron, Robert O., to Ford Motor Co. Centrifugally operated fluid pressure governor. 2,973,670, 3–7–61, Cl. 74—752.

Damewood, Glenn, and M. T. Hanchett, to Southern Gas Association. Method for measuring forces within a system. 2,979,940, 4–18–61, Cl. 73—71.4.

Damewood, Glenn, and M. T. Hanchett, to Southern Gas Association. Mechanical vibration reducing apparatus. 2,997,124, 8–22–61, Cl. 181—47.

Damgaard, Laurits G., to H. Struers Chemiske Laboratorium. Grinding or polishing apparatuses. 2,967,380, 1–10–61, Cl. 51—133.

Damgen, Wilhelm, K. Zager, and G. Kremer, to Knapsack-Griesheim Aktiengeselischaft. Device for tightening and loosening current supply plates on electrodes in electric furnaces. 2,969,410, 1–24–61, Cl. 13—16.

Damiani, Ricardo. Platform supporting the seats in an aircraft combined with means for ejecting the seats from the aircraft in case of disaster. 2,974,911, 3–14–61, Cl. 244—122.

D'Amico, John J.: *See*—
Harman, Marion W., and D'Amico. 2,992,091.
Harman, Marion W., and D'Amico. 2,997,382.
Tung, Ching C., and D'Amico. 2,975,153.
Tung, Ching C., and D'Amico. 2,976,292.

D'Amico, John J., to Monsanto Chemical Co. Method comprising sulfur vulcanizing a rubber in the presence of a thiazolesulfenamide of a 1,8-diaminomethane. 2,971,038, 2–7–61, Cl. 260—788.

D'Amico, John J., to Monsanto Chemical Co. 2-(2-cyclohexenylthio) benzimidazole. 2,976,293, 3–21–61, Cl. 260—309.2.

D'Amico, John J., to Monsanto Chemical Co. Controlling vegetation with haloalkyl thionocarbamates. 2,984,559, 5–16–61, Cl. 71—2.5.

D'Amico, John J., to Monsanto Chemical Co. Accelerating vulcanization with Schiff's bases of thiazolesulfenamides. 2,986,554, 5–30–61, Cl. 260—79.5.

D'Amico, John J., to Monsanto Chemical Co. Method for control of soil borne pathogenic organisms. 2,988,472, 6–13–61, Cl. 167—22.

D'Amico, John J., to Monsanto Chemical Co. 5-chloro-2-(2-cyclohexenylthio)benzothiazole. 2,992,227, 7–11–61, Cl. 260—306.

D'Amico, John J., to Monsanto Chemical Co. Halogen substituted alkenyl benzothiazolesulfenamides. 2,992,228, 7–11–61, Cl. 260—306.6.

D'Amico, John J., to Monsanto Chemical Co. 2-(2-cyclohexenylthio)benzoxazole. 2,992,229, 7–11–61, Cl. 260—307.

D'Amico, John J., to Monsanto Chemical Co. 2-haloallyl N-alkyl dithiocarbanilates controlling undesirable vegetation. 2,997,381, 8–22–61, Cl. 71—2.6.

D'Amico, John J., to Monsanto Chemical Co. Ethyl 2-(2-cyclohexenylthio)-4-thiazolecarboxylate. 3,002,977, 10–3–61, Cl. 260—302.

D'Amico, John J., to Monsanto Chemical Co. 2-(2,5-dihydroxyphenylthio) thiazolecarboxylates. 3,004,033, 10–10–61, Cl. 260—302.

D'Amico, John J., to Monsanto Chemical Co. 2-(2-cyclohexenoxy)benzothiazole. 3,004,034, 10–10–61, Cl. 260—304.

D'Amico, Joseph S.: *See*—
Braithwaite, David G., McGrew, Hettinger, and D'Amico. 3,010,914.

D'Amico, Michael G., to Western Electric Co., Inc. Article testing apparatus. 2,988,913, 6–20–61, Cl. 73—37.

D'Amico, Salvatore P., to Sperry Rand Corp., Ford Instrument Co. Division. Inductive load transistor bridge switching circuit. 2,972,710, 2–21–61, Cl. 317—148.5.

Damijonaitis, Kestutis: *See*—
Godfrey, James H., and Damijonaitis. 2,988,119.

Damm, Dominic J., to Detroit Stamping Co. Clamps with flexible jaw members. 2,989,099, 6–20–61, Cl. 144—302.

Damm, Helmut, and W. Fischer, to Boehme Fettchemie G.m.b.H. Hide soaking bactericidal composition and process for using the same. 2,998,293, 8–29–61, Cl. 8—94.18.

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Dammert, Earl D., and M. F. De Wolf, to The Gleason Works. Work handling mechanism. 2,974,811, 3–14–61, Cl. 214—1.

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Walther, Erhardt, and Dammig. 2,984,959.

Damon, Glenn H., and J. Ribovich. Fuel igniter composition. 3,009,803, 11–21–61, Cl. 52—24.

Damon, Neil F., to Raytheon Co. Detachable electrical connectors and attaching means therefor. 3,004,238, 10–10–61, Cl. 339—217.

Damon, Richard W., to General Electric Co. Microwave maser amplifier. 3,013,214, 12–12–61, Cl. 330—4.

Damon, Robert W., and J. W. Sauber, to Waters Mfg., Inc. Mounting device. 3,012,744, 12–12–61, Cl. 248—27.

Damoth, Donald C., G. W. Goodrich, and W. C. Wiley, to The Bendix Corp. Electron multiplier spurious noise baffle. 2,983,845, 5–9–61, Cl. 315—85.

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Damron, Kermit: *See*—
Stafford, Russell, and Damron. 2,996,259.

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Cole, Nelson E. 3,008,551.
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Mazziotti, Philip J. 3,008,311.
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Schultz, Harry G., and Hess. 2,983,807.
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Dana, Leo I., and H. S. Morton, Jr., to Union Carbide Corp. High-intensity light source. 2,972,698, 2–21–61, Cl. 313—231.

Danaczko, John, Jr., and F. J. Vlasak, to Western Electric Co., Inc. Apparatus for analyzing a gas. 2,971,369, 2–14–61, Cl. 73—19.

Danaczko, John, Jr., to Western Electric Co., Inc. Non-destructive tests for distinguishing between objects formed of dissimilar metals. 2,981,607, 4–25–61, Cl. 23—230.

Danaczko, John, Jr., to Western Electric Co., Inc. Methods of removing a dried silver and phenol-formaldehyde resin paint from an article. 2,981,642, 4–25–61, Cl. 134—2.

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Dandl, Raphael A., to United States of America, Atomic Energy Commission. Direct coupled amplifier for small currents. 3,001,144, 9–19–61, Cl. 330—17.

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Danhorst, Harry. Infinitely variable friction gears. 2,995,943, 8–15–61, Cl. 74—191.

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Daniel, John H., Jr., to America Cyanamid Co. Process for preparing styrenated non-drying and/or semi-drying oil modified alkyd resins by incremental monomeric addition. 2,986,543, 5–30–61, Cl. 260—22.

Daniel, John H., Jr., and D. F. Rossler, to American Cyanamid Co. Preparation of solid metal halide polymerization catalysts. 2,967,834, 1–10–61, Cl. 252—429.

Daniel, William H. Repair device. 2,987,098, 6-6-61, Cl. 154—1.

Daniele, Donald T., and E. C. Witt, Jr., to Diamond National Corp. Automatic detection, feed and detour chute. 2,987,159, 6-6-61, Cl. 193—31.

Daniele, Sante, to Stabilimenti Elettromeccanici Riuniti Ansaldo-San Giorgio Societa per Azioni. Variable octane rating gasoline (petrol) pump. 2,997,209, 8-22-61, Cl. 222—71.

Daniell, Alton E., to United Carbon Co., Inc. Oil pelleted carbon black. 3,005,725, 10-24-61, Cl. 106—307.

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Daniels, Albert A. Rim structure and means for attachment thereof. 2,973,524, 3-7-61, Cl. 4—187.

Daniels, Albert J., Jr. Winch and frame for handling cable reels. 3,013,676, 12-19-61, Cl. 214—77.

Daniels, C. R., Inc.: *See*—
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Miller, Jacob E. 2,976,914.

Daniels, Charles J.: *See*—
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Daniels, Farrington, to United States of America, Atomic Energy Commission. Neutronic reactor structure. 3,005,764, 10-24-61, Cl. 204—293.2.

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Estes, Nelson N., and Daniels. 2,968,274.

Daniels, Howard L., and V. E. Herzfeld, to Sperry Rand Corp. Counter. 2,973,145, 2-28-61, Cl. 235—132.

Daniels, Howard L., C. W. Fritze, and R. R. Ritter, to United States of America, Navy. Controlled circuits for interim storage systems. 2,977,578, 3-28-61, Cl. 340—174.1.

Daniels, Howard L., to Sperry Rand Corp. Variable area transducers. 2,995,632, 8-8-61, Cl. 179—100.2.

Daniels, Jimmy G. Free wheeler toy. 2,983,073, 5-9-61, Cl. 46—204.

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Daniels, Neale J. Grass guard for trees. 2,978,837, 4-11-61, Cl. 47—25.

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Daniels, Richard L.: *See*—
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Danielsen, Alfred J., Jr., and R. C. Schneckloth, to Bettendorf Distributing Co. Roof truss assembling apparatus. 2,973,022, 2-28-61, Cl. 144—288.

Danielsen, Daniel, to Bell Telephone Laboratories, Inc. Frequency selective signaling system. 2,993,094, 7-18-61, Cl. 179—27.

Danielson, Arthur C.: *See*—
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Danielzig, Karl-Heinz: *See*—
Neuendorf, Gunter, Danielzig, Schmidt, and Reil. 2,997,831.

Danielzig, Karl H., and G. Neuendorf; said Danielzig assor. to Firma Habra-Werk Wilhelm F. Ott. Packing apparatus. 2,972,215, 2-21-61, Cl. 53—195.

Danilewicz, Ludomir, to Aircraft Steel Structures Ltd. Starters for internal combustion engines. 2,979,048, 4-11-61, Cl. 123—179.

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Danly, James C., to Danly Machine Specialties, Inc. Readily adjustable electric indexing apparatus. 2,979,972, 4-18-61, Cl. 74—821.

Danly, James C., to Danly Machine Specialties, Inc. Die set assembly. 2,981,569, 4-25-61, Cl. 308—6.

Danly, James C. and J. R., V. Georgeff, and R. E. Krauss, to Danly Machine Specialties, Inc. Readily releasable clamping assembly. 2,984,880, 5-23-61, Cl. 24—81.

Danly, James C., and V. Georgeff, to Danly Machine Specialties, Inc. Transfer feed assembly. 3,011,464, 12-5-61, Cl. 113—38.

Danly, John R.: *See*—
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Danly, James C. 2,979,972.
Danly, James C. 2,981,569.
Danly, James C., and Georgeff. 3,011,464.
Danly, James C. and J. R., Georgoff, and Krauss. 2,984,880.
Danly, Philo H., and Georgeff. 2,969,871.
Georgeff, Vasil. 2,996,025.
Kennedy, Daniel T. 2,976,832.
Novak, Theodore F. 2,986,057.

Danly, Philo H., and V. Georgeff, to Danly Machine Specialties, Inc. Method of operating a high speed shell forging press. 2,969,871, 1-31-61, Cl. 205—8.

Dann, Charles L., to Irving Air Chute Co., Inc. Device for controlling the effective reefing and dereefing of a parachute canopy. 2,995,323, 8-8-61, Cl. 244—150.

Dann, Charles W., to Standard Duplicating Machines Corp. Resilient passage milking-type pump. 2,987,005, 6-6-61, Cl. 103—149.

Dann, Morris, and K. R. Linke, to American Home Products Corp. Cartridge-syringe assembly. 2,994,323, 8-1-61, Cl. 128—218.

Dann, Otto. Benzothiophene compounds. 2,980,697, 4-18-61, Cl. 260—330.5.

Dannback, Toivo M., to General Dynamics Corp. Multiplier. 2,997,238, 8-22-61, Cl. 235—194.

Dannelly, Clarence C.: *See*—
Caldwell, John R., Dannelly, and Hill. 2,976,182.

Dannenbrink, Robert W., and G. E. Unmuth, to American Can Co. Wax composition and sheet materials coated therewith. 2,999,828, 9-12-61, Cl. 260—28.5.

Dannis, Mark L., and F. L. Ramp, to The B. F. Goodrich Co. Resin compositions of improved tolerance for high temperatures and process of producing same. 2,996,489, 8-15-61, Cl. 260—92.8.

Dano of America, Inc.: *See*—
Scovel, Ralph E., and Petrucci. 2,994,592.

Dano Ingeniorforretning og Maskinfabrik, Ingenior Kai Petersen's Fond: *See*—
Carlsson, Peter M., and Petersen. 2,969,277.

Dan River Mills, Inc.: *See*—
Norton, Charlie L., and Cochran. 2,990,586.
Stephens, Roy M. 2,991,810.

D'Ans, Jean, and H. Gold, to Ethyl Corp. Process for the manufacture of alkali and alkaline earth metal derivatives of organic compounds. 3,009,000, 11-14-61, Cl. 260—665.

Dansel, Samuel E. Safety brake mechanism. 2,986,164, 5-30-61, Cl. 137—620.

Danulat, Dieter: *See*—
Danulat Friedrich, and Schmalfeld. 2,983,653.

Danulat, Friedrich, deceased (by H. G. and D. Danulat, I. Penndorf, nee Danulat, and H. F. Danulat, sole heirs), and P. Schmalfeld, to Metallgesellschaft Aktiengesellschaft. Apparatus for degasifying finely divided fuels. 2,983,653, 5-9-61, Cl. 202—118.

Danulat, Hans F.: *See*—
Danulat Friedrich, and Schmalfeld. 2,983,653.

Danulat, Hedwig G.: *See*—
Danulat Friedrich, and Schmalfeld. 2,983,653.

Danulat, Ilse: *See*—
Danulat Friedrich, and Schmalfeld. 2,983,653.

Danyluke, Ostap, to Bath Iron Works Corp. Breaker plate release mechanism for single roll crusher. 2,973,908, 3-7-61, Cl. 241—32.

Danyluke, Ostap, to Bath Iron Works Corp. Reversible pulverizer and dust gate assembly. 2,973,909, 3-7-61, Cl. 241—186.

Danz, Willi: *See*—
Johannsen, Adolf, Danz, Pfannmueller, and Wolf. 2,993,778.

Danzer, Carl W.: *See*—
Peterson, Stanley W., and Danzer. 2,981,648.

Danziger, William, to Continental Vending Machine Corp. Vending machine. 3,002,653, 10-3-61, Cl. 221—124.

Danzinger, William, and H. Roth, to Continental Vending Machine Corp. Vending machine. 3,000,539, 9-19-61, Cl. 221—129.

Dapper, Edward R.: *See*—
Achorn, Glenwood B., Jr., Bokesch, Dapper, Lebherz, Schwab, Smith, Rawson, and Metcalfe. 2,981,660.

Da Prato, Joseph M. Coin trays. 2,997,201, 8-22-61, Cl. 220—97.

Darandik, Wilhelm, ½ to Kettma Hamburger Kettelmaschinenfabrik Erich Hahn K.G. Operator supporting arrangement. 3,007,425, 11-7-61, Cl. 112—25.

Daras, Nester, to Solvay & Cie. Process for the stabilization of chlorinated hydrocarbons. 2,978,518, 4-4-61, Cl. 260—652.5.

Darash, Nicholas P., to The Warner & Swasey Co. Power indexed machine tool turret. 2,979,971, 4-18-61, Cl. 74—820.

Darbee, Leonard R., and J. R. Kolczynski, to Food Machinery and Chemical Corp. Method of preparing monopersulfates. 3,002,813, 10-3-61, Cl. 23—114.

Darbo, Rolf E. Freezing point determination instrument. 2,967,421, 1-10-61, Cl. 73—17.

Darby, Joseph R., and P. R. Graham, to Monsanto Chemical Co. Acrylonitrile polymer plasticized with an aromatic sulfonamide and an alkylene dinitrile. 3,012,938, 12-12-61, Cl. 260—30.8.

D'Arcey, Alfred C., and E. M. Wadsworth, to United Shoe Machinery Corp. Apparatus for use in the extracorporeal circulation of blood. 2,988,001, 6-13-61, Cl. 103—4.

Darden, Randall B. Cattle squeeze. 2,995,111, 8–8–61, Cl. 119—99.

Dardick Corp.: *See*—
Dardick, David. 2,983,223.

Dardick, David, to Dardick Corp. Ammunition for open chamber guns. 2,983,223, 5–9–61, Cl. 102—38.

Dare Products, Inc.: *See*—
Wilson, Robert M. 2,996,570.

D'Ariano, Sal: *See*—
Leonard, George H. 3,003,358.

Darin, George P., to Bell Telephone Laboratories, Inc. Signal synchronizing system utilizing adjustable delay apparatus. 3,008,087, 11–7–61, Cl. 328—72.

Dariomatic, Inc.: *See*—
McCaleb, Eugene P. 2,990,227.

Darland, William G., Jr.: *See*—
Klopp, Edward W., and Darland. 2,997,518.

Darland, William G., Jr., R. J. Bennett, O. H. Bell, C. E. Ulrich, and R. P. Fox, to Union Carbide Corp. Deferred action battery. 2,985,702, 5–23–61, Cl. 136—90.

Darley, Merrill M.: *See*—
Cosby, John N., and Darley. 2,976,210.

Darling, Donald C.: *See*—
Loebner, Egon E., and Darling. 2,972,054.

Darling, Donald E.: *See*—
Loebner, Egon E., Hook, and Darling. 2,975,291.

Darling, L. O., Co.: *See*—
Huet, Edward C. 2,975,908.

Darling, Samuel M.: *See*—
Emrick, Donald D., and Darling. 3,012,907.
Emrick, Donald D., and Darling. 3,012,968.
Milberger, Ernest C., and Darling. 2,968,625.

Darling, Samuel M., to The Standard Oil Co. Fluid power transmission. 2,968,623, 1–17–61, Cl. 252—75.

Darling, Samuel M., and C.-W. Liao, to The Standard Oil Co. Lubricating oil composition containing 2:1α-glycol borate compounds. 2,975,135, 3–14–61, Cl. 252—49.6.

Darling, Samuel M., and C. Liao, to The Standard Oil Co. Lubricating oil composition containing mixed 2:1 α- and β-glycol borate compounds. 2,979,459, 4–11–61, Cl. 252—49.6.

Darling, Samuel M., and C.-W. Liao, to The Standard Oil Co. Lubricating oil composition containing 3:2 β-glycol borate compounds. 2,989,467, 6–20–61, Cl. 252—49.6.

Darling, Samuel M., and C.-W. Liao, to The Standard Oil Co. Lubricating oil composition containing 3:2 β-glycol borate compounds. 2,989,468, 6–20–61, Cl. 252—49.6.

Darling, Samuel M., and C.-W. Liao, to The Standard Oil Co. Lubricating oil composition containing certain 2:1 β-glycol borate compounds. 2,989,469, 6–20–61, Cl. 252—49.6.

Darling, Samuel M., and C.-W. Liao, to The Standard Oil Co. Lubricating oil composition containing certain 2:1 β-glycol borate compounds. 2,989,470, 6–20–61, Cl. 252—49.6.

Darlington, Oscar H., Jr., to KSM Products, Inc. Stud welding process. 3,010,011, 11–21–61, Cl. 219—107.

Darlington, Sidney, to Bell Telephone Laboratories, Inc. Guidance control system. 3,008,668, 11–14–61, Cl. 244—14.

Darlington, Walter A., and J. A. Stephens, to Monsanto Chemical Co. Inhibiting the growth of plant viruses. 3,004,887, 10–17–61, Cl. 167—22.

Darlington, William H., J. F. Shannon, J. Fulton, and J. M. Dodds, to Metropolitan-Vickers Electrical Co. Ltd. Clutches. 2,984,324, 5–16–61, Cl. 192—67.

Darmstadt, Louis J., and G. W. Fuller, to The American Thermos Products Co. Threaded pouring lip stopper combination for vacuum bottle. 2,969,887, 1–31–61, Cl. 215—13.

Darnell, James R.: *See*—
Commanday, Maurice R., and Darnell. 2,976,194

Darrey, John J. Scaffolds. 2,988,181, 6–13–61, Cl. 189—13.

Darnell, Joseph W., and R. D. Veilines. Message conveying apparatus. 2,998,667, 9–5–61, Cl. 40—132.

Darnell, Rex C., to Dynamic Filters, Inc. Filtering device. 2,970,698, 2–7–61, Cl. 210—347.

Darner, Charles L.: *See*—
Bobber, Robert J., and Darner. 2,973,504.

Darney, Raymond F., to General Motors Corp. Operating apparatus for a pivoted window. 3,000,626, 9–19–61, Cl. 268—121.

Darois, Paul F., to The Teleregister Corp. Digital storage oscillograph. 2,991,459, 7–4–61, Cl. 340—324.

Da Ros, Dino A., to Sperry Rand Corp. Constant phase shift rotator. 2,974,297, 3–7–61, Cl. 333—98.

Daroux, William G.: *See*—
Aldred, Fred C., and Daroux. 2,966,865.

Darrah, Paul H. Windmill. 2,990,887, 7–4–61, Cl. 170—29.

Darrieus, Georges, to Aktiengesellschaft Brown, Boveri & Cie. Turborotor with uniform temperature distribution and associated exciter arrangement. 2,988,687, 6–13–61, Cl. 322—61.

D'Arrigo, Joseph. Fish line re-reeling adapter. 2,993,661, 7–25–61, Cl. 242—108.

Darst, Lloyd E. Ash tray. 2,973,879, 3–7–61, Cl. 220—20.5.

Dart, David M., and R. J. Stone, to The Marley Co. Pressure responsive control apparatus for regulating refrigeration equipment. 3,004,402, 10–17–61, Cl. 62—183.

Dart, David M., and R. J. Stone, to The Marley Co. Evaporative cooling apparatus. 3,012,416, 12–12–61, Cl. 62—305.

Dart Mfg. Co.: *See*—
Dart, William A. 2,988,361.

Dart, William A., to Dart Mfg. Co. Marble race game. 2,988,361, 6–13–61, Cl. 273—120.

Darwin, Daniel P., to International Business Machines Corp. Hydraulic stepping motor. 2,987,889, 6–13–61, Cl. 60—97.

Darwin, Daniel P., and R. M. Kellogg, to International Business Machines Corp. Selectively operable apparatus actuated by cyclically applied fluid impulses. 3,011,698, 12–5–61, Cl. 234—130.

Darwin, George P., and R. C. Prim, to Bell Telephone Laboratories, Inc. Synchronization in a system of interconnected units. 2,986,723, 5–30–61, Cl. 340—147.

Daryl Industries, Inc.: *See*—
Miller, Robert P. 2,990,208.

Dash, Edward. Welding stud and ferrule construction for electrical arc welding. 3,004,139, 10–10–61, Cl. 219—99.

Dasher, John: *See*—
Chang, Melvin C., and Dasher. 2,970,689.
Muns, George E., Berkebile, and Dasher. 3,014,785.

Dasher, John, to Crucible Steel Co. of America. Rolling mill. 3,010,148, 11–28–61, Cl. 18—9.

Dasher, John O., and D. Goldstein, to Crucible Steel Co. of America. Process for recovering acid values from mixed acid waste. 2,993,757, 7–25–61, Cl. 23—152.

Dashew Business Machines, Inc.: *See*—
Hill, George H. 3,010,392.
Williams, Robert H. 2,992,608.

Daskam, Samuel W.: *See*—
Kestenbaum, Aaron L., and Daskam. 2,978,367.

Daspit, John I.: *See*—
Barlow, Edward J., Mallett, Bertram, and Daspit. 2,972,141.

Dassow, Edgar E., and A. T. Torgerson, to The Electric Storage Battery Co. Battery container and polarizing terminal means therefor. 2,982,807, 5–2–61, Cl. 136—173.

Data-Control Systems, Inc.: *See*—
Ott, Owen J. 2,994,043.
Runyan, Raymond A. 3,003,123.

Datin, Richard C.: *See*—
McClements, Willard J., and Datin. 2,974,150.

Datt, Paul L., W. J. Warren, and R. B. Willoughby, to Shell Oil Co. Weld seam testing apparatus. 2,980,848, 4–18–61, Cl. 324—24.

Datt, Paul L., W. J. Warren, and R. B. Willoughby, to Shell Oil Co. Sensing head for weld seam testing apparatus. 2,980,849, 4–18–61, Cl. 324—37.

Datt, Paul L., J. D. Shipley, and W. J. Warren, to Shell Oil Co. Magnetic testing device. 3,004,215, 10–10–61, Cl. 324—34.

Daub, Rudolph. Piston head structure. 2,978,284, 4–4–61, Cl. 309—14.

Daub, Rudolph. Piston head structure. 2,996,341, 8–15–61, Cl. 309—14.

Daub, Rudolph. Piston head structure. 2,996,342, 8–15–61, Cl. 309—14.

Daub, Rudolph. Piston. 3,007,755, 11–7–61, Cl. 309—14.

Dauben, Joseph: *See*—
Muller, Josef, and Dauben. 2,997,312.

Dauben, Joseph, and J. Müller, to Daimler-Benz Aktiengesellschaft. Vehicle suspension stabilizer spring automatically operable as supplementary spring. 2,983,521, 5–9–61, Cl. 280—124.

Daubenberger, Charles J., to Plastic and Rubber Products Co. Method for molding O-rings and the like. 2,976,575, 3–28–61, Cl. 18—55.

Daubendick, Allen W., to The National Cash Register Co. Sorting apparatus. 2,994,428, 8–1–61, Cl. 209—111.5.

Daubenspeck, Benjamin K., to Remington Arms Co., Inc. Gallery bullet. 2,995,090, 8–8–61, Cl. 102—91.

Dauber, Alfons: *See*—
Oberdorfer, Heinz, and Dauber. 2,982,308.

Dauber, Louis: *See*—
Bieber, Herman, Basch, and Dauber. 2,971,905.

Daubert Chemical Co.: *See*—
Fessler, William A., Hutter, Schafer, and Stricker. 2,991,193.

Daubert, David K. Tool for cleaning snow sampling tubes. 2,966,688, 1–3–61, Cl. 15—104.1.

Daubman, Edward A.: *See*—
O'Conor, Frank, and Daubman. 2,993,580.

Daubner, William L. Saddle clamp. 2,985,934, 5–30–61, Cl. 24—277.

D'Audiffret, Adolph A., R. E. Reimund, and W. C. Lavely, to Ranney Method Water Supplies, Inc. Plastic well screen and wells utilizing the screens and method of operation. 2,969,840, 1–31–61, Cl. 166—205.

Dauenhauer, Florian F. Method and equipment for separating hops from foreign material. 2,983,380, 5–9–61, Cl. 209—320.

Daugherty, Frank A.: *See*—
Curtner, Richard L. 2,992,336.

Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Machine tool counter-balance. 2,983,199, 5–9–61, Cl. 90—15.

Daugherty, Jesse, A. A. Durand, L. G. Wheeler, C. F. Coffill, J. Shattes, Jr., and A. L. Galgano, ½ to Giddings & Lewis Machine Tool Co., and ½ to said Wheeler, said Coffill, said Shattes, and said Galgano. Tilting and indexing chuck for machine tools. 2,968,517, 1–17–61, Cl. 311—38.

Daugherty, Joe, to Mullins Mfg. Co. Recording chart changer. 2,978,287, 4–4–61, Cl. 346—137.

Daugherty, Patrick E.: *See*—
Dull, William B., and Daugherty. 2,970,199.

Daugirdas, Kristupas: *See*—
Delany, Frank M., and Daugirdas. 3,000,361.
Daum, Charles. Wall hangers or the like. 3,002,723, 10–3–61, Cl. 248—315.
Daum, Harold: *See*—
Roberts, John W., Daum, and Donahue. 2,984,172.
Daum, Horace A. Locking handle grip. 2,997,326, 8–22–61, Cl. 294—16.
Dauphinee, Thomas M., and H. Preston-Thomas, to National Research Council. Direct reading resistance thermometer. 2,993,377, 7–25–61, Cl. 73—362.
Daussan, Henri J. Method and device for casting steels and other ferrous compounds in ingot moulds. 2,976,587, 3–28–61, Cl. 22—73.
Davall, Charles R.: *See*—
Keutgen, William A., Davall, and Daniels. 2,976,574.
Dave, David H. Method for the installation of reinforced concrete floors in multi-storied buildings. 2,966,718, 1–3–61, Cl. 25—155.
Daven Co., The: *See*—
Coper, Kurt. 3,012,216.
Nabstedt, Elmer J. 2,980,770.
Davenhall, Frederick W.: *See*—
Lynch, Eugene J., and Davenhall. 3,008,529.
Davenport, Arthur B., to The Bendix Corp. Monostable multivibrator and amplifier circuit. 2,968,748, 1–17–61, Cl. 317—148.5.
Davenport, Charles T., to American Bosch Arma Corp. Gimbal system for vertical indicators. 2,968,955, 1–24–61, Cl. 74—5.8.
Davenport, James D. Automatic fingernail emery board and buffer. 2,969,071, 1–24–61, Cl. 132—73.6.
Davenport, James R. Expandable trailer. 2,995,398, 8–8–61, Cl. 296—26.
Davenport, Leon, 1/10 to Southern Developers, Inc. Cotton picking unit with suspension means. 2,975,577, 3–21–61, Cl. 56—14
Davenport Machine Tool Co., Inc.: *See*—
Brinkman, Earl W. 2,977,830.
Brinkman, Earl W. 2,987,945.
Davenport, T. B., and A. G. New, to Deering Milliken Research Corp. Bulky yarn. 2,999,351, 9–12–61, Cl. 57—140.
Davey Compressor Co.: *See*—
Myers, Joseph T. 2,987,134.
Davey, Edward L.: *See*—
Fairfield, Ronald McL., and Davey. 2,980,755.
Davey, James R., to Bell Telephone Laboratories, Inc. Hub telegraph circuit. 2,972,017, 2–14–61, Cl. 178—73.
Davey, James R., B. Ostendorf, Jr., and F. P. Pace. Bell Telephone Laboratories, Inc. Route translator for telegraph switching. 3,009,014, 11–14–61, Cl. 178—2.
Davey, Kingsley. Stabilized impeller. 2,978,233, 4–4–61, Cl. 259—96.
Davey, Paul H., 1/8 to P. H. Davey, Jr., and 1/8 to J. T. Myers. Light metal vane for rotary compressors. Re. 24,932, 1–31–61, Cl. 230—152.
Davey, Paul H., Jr.: *See*—
Davey, Paul H. Re. 24,932.
David, Andrew M. Two in one bank deposit envelope. 2,984,403, 5–16–61, Cl. 229—73.
David, Bernard. Coating compositions. 2,970,927, 2–7–61, Cl. 106—266.
David, Constant V.: *See*—
Baxter, John W., and David. 2,995,894.
David, Constant V., to Ryan Aeronautical Co. Aerodynamic jet deflecting nozzle. 2,968,921, 1–24–61, Cl. 60—35.54.
David, Constant V., to Ryan Aeronautical Co. Tip-jet driven ducted fan for aircraft. 2,978,205, 4–4–61, Cl. 244—23.
David, Freddy, to General Dynamics Corp. Nonvolatile binary comparator. 2,996,701, 8–15–61, Cl. 340—174.
David, Freddy, W. V. Tyrlick, and S. E. Townsend, to General Dynamics Corp. Character sequence detector. 2,977,483, 3–28–61, Cl. 307—88.
David, Freddy, Henrietta, and A. R. Phipps, to General Dynamics Corp. Real time binary coded decimal-to-decimal converter. 2,979,709, 4–11–61, Cl. 340—347.
David, Tanous H. Spinal column impact device. 2,970,592, 2–7–61, Cl. 128—69.
David, Vernon W.: *See*—
Lloyd, Kenneth A., and David. 2,989,465.
David, Vernon W., and F. H. Waight, to Shell Oil Co. Synthetic lubricant compositions. 2,971,913, 2–14–61, Cl. 252—48.4.
Davidoff, Dorsey: *See*—
Luongo, Joseph, and Davidoff. 2,996,703.
Davidowich, George: *See*—
Burch, Robert J., and Davidowich. 3,004,925.
Davidson, Arthur C., to Chicago Railway Equipment Co. Railway truck bolster spring snubber. 2,981,536, 4–25–61, Cl. 267—9.
Davidson, Clarence W. Rotary cutting tool. 2,983,166, 5–9–61, Cl. 77—76.
Davidson Corp.: *See*—
Crissy, Robert J., and Doane. 2,995,081.
Fischetti, Pasquale. 2,990,768.
Fischetti, Pasquale. 2,990,772.
Davidson, Dennis F.: *See*—
Everhart, James G., and Davidson. 2,968,445.
Davidson, Donald E., to Davidson Optronics Inc. Friction lock for telescoping sleeves. 2,991,096, 7–4–61, Cl. 287—58.
Davidson, Donald S., to Pan American World Airways, Inc. Traveling case. 3,010,552, 11–28–61, Cl. 190—41.
Davidson, Donald T., and R. L. Nicholls, to Iowa State College Research Foundation, Inc. Soil stabilization with an organic derivative of ammonia and an acrylate polymer. 2,981,162, 4–25–61, Cl. 94—25.
Davidson, Emil, to Guild Molders, Inc. Applicator device. 2,990,563, 7–4–61, Cl. 15—518.
Davidson, Ivor M., to Power Jets (Research and Development) Ltd. Aircraft with jet engines in wings. 2,973,165, 2–28–61, Cl. 244—15.
Davidson, Ivor M., to Power Jets (Research and Development) Ltd. Aircraft flying control systems. 2,978,204, 4–4–61, Cl. 244—15.
Davidson, Ivor M., to Power Jets (Research and Development) Ltd. Aircraft with jet flaps. 2,978,207, 4–4–61, Cl. 244—42.
Davidson, Ivor M., and B. S. Stratford, to Power Jets (Research and Development) Ltd. Jet propelled aircraft. 2,973,922, 3–7–61, Cl. 244—15.
Davidson, Ivor M., and B. S. Stratford, to Power Jets (Research and Development) Ltd. Jet propelled aircraft. 2,977,068, 3–28–61, Cl. 244—15.
Davidson, Jack H.: *See*—
Place, Eugene W., Davidson, and De Santo. 3,004,491.
Davidson, Joe: *See*—
Watson, James P. 2,983,161.
Watson, James P. 2,983,798.
Watson, James P. 3,014,382.
Davidson, John B.: *See*—
Truchan, Anthony, Jr., and Davidson. 2,993,051.
Davidson, Joseph W.: *See*—
Eissmann, Oswald E., and Davidson. 2,984,246.
Davidson, Louis. Pallets with holding tabs on legs. 3,004,742, 10–17–61, Cl. 248—120.
Davidson, Louis. Seed sowing dispenser. 3,007,570, 11–7–61, Cl. 206—56.
Davidson Optronics Inc.: *See*—
Davidson, Donald E. 2,991,096.
Davidson, Ralph L., to General Electric Co. Variable area nozzle arrangement. 2,984,972, 5–23–61, Cl. 60—35.6.
Davidson, Raymond W., to Max-A-Loc Inc. Permutation switch. 2,984,717, 5–16–61, Cl. 200—43.
Davidson Rubber Co.: *See*—
Hood, Ralph S. 2,974,830.
Davidson, Theodore D.: *See*—
Hollins, Jesse R. 2,982,823.
Davidson, Thomas E., to General Motors Corp. Laundry apparatus. 2,972,817, 2–28–61, Cl. 34—45.
Davidson, William E., to General Electric Co. Vacuum cleaning nozzle attachment for high pile rugs. 2,975,456, 3–21–61, Cl. 15—246.
Davies, Alan C.: *See*—
Best, Ronald L., Soeters, Davies, and Paul. 3,012,891.
Davies, Alan I.: *See*—
Chamberlin, Reginald H. D., Morris, Davies, and Fletcher. 2,979,892.
Davies, Alan L.: *See*—
Belcher, Bryan L., Blyth, Buckingham, Davies, Chamberlin, Fletcher, Morris, Mansfield, and Upton. 2,982,093.
Morris, Ronald E., Upton, Davies, and Fletcher. 2,995,893.
Davies, Albert, and A. J. Rudge, to Imperial Chemical Industries Ltd. Apparatus for the electrolytic production of fluorine. 2,996,446, 8–15–61, Cl. 204—246.
Davies, Albert, and A. J. Rudge, to Imperial Chemical Industries Ltd. Process for the electrolytic production of fluorine. 3,000,801, 9–19–61, Cl. 204—60.
Davies, Dan L.: *See*—
Hoffman, Charles H., and Davies. 2,998,140.
Davies, David A.: *See*—
Bland, Albert N., and Davies. 2,979,171.
Davies, David R., and H. H. Evers, to British-American Tobacco Co. Ltd. Prevention of tarnish of bronze printing. 3,000,751, 9–19–61, Cl. 117—13.
Davies, Edward B., to The Midland Tar Distillers Ltd. Method of reducing the corrosive attack of combustion gases on metal. 2,972,861, 2–28–61, Cl. 60—39.2.
Davies, Edward R., G. L. Bowen, and R. W. Lemon, to Jered Industries, Inc. Multiple speed transmission. 2,974,545, 3–14–61, Cl. 74—720.5.
Davies, Gail F., to Clevite Corp. Metal filters. 2,997,777, 8–29–61, Cl. 29—182.
Davies, Gerald T., J. O. Fisher, D. M. Jones, G. K. Lewis, E. Wilson, T. R. Griffin, and E. J. R. Hewitt, to British Nylon Spinners Ltd. Apparatus and process for melt spinning. 3,010,147, 11–28–61, Cl. 18—8.
Davies, Gwyn. Frost-protective device for growing vegetation. 3,003,282, 10–10–61, Cl. 47—2.
Davies, John M.: *See*—
Cotton, Eugene S., and Davies. 2,987,961.
Loconti, Joseph D., Davies, Hunter, Coles, and Altamura. 2,978,584.
Davies, Lester F., to Cone Automatic Machine Co. Inc. Hand press for installing bushings in excavator booms and the like. 2,978,803, 4–11–61, Cl. 29—282.
Davies, Mark E. Core handling device. 2,988,396, 6–13–61, Cl. 294—93.
Davies, Maynard J., to Coal Industry (Patents) Ltd. Cutter loaders having reversible cutter drums. 3,014,707, 12–26–61, Cl. 262—27.
Davies, Patrick D. Buoys. 3,009,174, 11–21–61, Cl. 9—8.

Davies, Raymond J., to Dunlop Rubber Co. Ltd. Fluid suspension and levelling system for vehicles. 2,988,378, 6–13–61, Cl. 280—124.

Davies, Richard E., and L. J. Rosen, to Celanese Corp. of America. Polyesters with improved adhesion to glass. 3,011,994, 12–5–61, Cl. 260—40.

Davies, Robert H., to Parker-Hannifin Corp. Accumulator. 2,967,744, 1–10–61, Cl. 309—2.

Davies, Stanley S., to Royer Foundry & Machine Co. Sizing device. 3,013,660, 12–19–61, Cl. 209—92.

Davies, Thomas G., and D. L. Wedderburn, to Lever Brothers Co. Germicidal compositions. 2,987,435, 6–6–61, Cl. 167—18.

Davies, Thomas H., to United States of America, Atomic Energy Commission. Method for separating plutonium and fission products employing an oxide as a carrier for fission products. 2,992,889, 7–18–61, Cl. 23—14.5.

Davies, Thomas L. Magnetic tape sound recording and reproducing apparatus. 3,007,703, 11–7–61, Cl. 274—4.

Davies, Thomas P.: *See*—
Stallard, John A., and Davies. 3,014,860.

Davies, Thomas P., to Johnson & Johnson. Non-adherent surgical dressing. 3,006,338, 10–31–61, Cl. 128—156.

D'Avigdor, Leslie B. Sway and pitch control apparatus for vehicles. 2,967,062, 1–3–61, Cl. 280—112.

D'Avigdor, Leslie B. Electropneumatic sway control apparatus for land vehicles. 2,993,705, 7–25–61, Cl. 280—112.

Davis, Allan W., and W. Sampson; said Davis assor. to The Fairfield Shipbuilding and Engineering Co. Ltd. and said Sampson assor. to Foster Wheeler Ltd. Steam boiler installations. 2,991,621, 7–11–61, Cl. 60—73.

Davis, Andrew J., to General Electric Co. Protective circuit for germanium and silicon rectifier cells. 2,969,494, 1–24–61, Cl. 321—11.

Davis, Anthony C., and R. F. Hunter, to Bakelite Ltd. Polynuclear epoxide resin. 2,986,550, 5–30–61, Cl. 260—47.

Davis, Arthur E.: *See*—
Reid, Edward S., Davis, Gray, and Byrd. 2,991,533.

Davis, Arthur G., to Koehler Mfg. Co. Hand light in combination with flasher unit. 2,987,718, 6–6–61, Cl. 340—366.

Davis, Bernard V.: *See*—
Willis, William, Gough, and Davis. 2,974,218.

Davis, Billy D., to The Dow Chemical Co. O-(hydroxyalkylated) phenols. 2,987,555, 6–6–61, Cl. 260—613.

Davis, Billy E. Core winding apparatus. 2,974,890, 3–14–61, Cl. 242—4.

Davis, Carey L. Bulk weighing and transfer machine. 2,971,740, 2–14–61, Cl. 249—19.

Davis, Carl H. Wire form tie and apparatus for making same. 3,010,494, 11–28–61, Cl. 140—149.

Davis, Carl K. Pressure relief valve. 3,000,396, 9–19–61, Cl. 137—516.15.

Davis, Charles A.: *See*—
Lenci, Louis J., Jr., and Davis. 2,993,396.

Davis, Charles A., to The Ohio Brass Co. Transformer valve. 2,992,655, 7–18–61, Cl. 137—454.2.

Davis, Charles B. Collapsible table and stand. 2,997,125, 8–22–61, Cl. 182—28.

Davis, Charles H., and S. G. Scheirer, to A. P. de Sanno & Son, Inc. Car wheel grinding. 3,007,290, 11–7–61, Cl. 51—235.

Davis, Charles J. Trench digging machine. 2,997,276, 8–22–61, Cl. 254—166.

Davis, Chester. Nonstaining pigments and their use. 2,999,026, 9–5–61, Cl. 106—23.

Davis, Claude G., to Bell Telephone Laboratories, Inc. Semiconductive scanning device. 3,010,029, 11–21–61, Cl. 307—88.5.

Davis, Clifford C., and J. M. Smith. Holding devices. 3,007,618, 11–7–61, Cl. 224—42.45.

Davis, Clyde, to Construction Aggregates Corp. Hydraulic dredge. 2,992,497, 7–18–61, Cl. 37—58.

Davis, Clyde O.: *See*—
Breza, Cyril J., and Davis. 2,999,743.

Davis, Clyde W., F. A. Ehlers, and R. D. Barnard, to The Dow Chemical Co. Ion-exchange articles and method of manufacture from acrylonitrile polymer aquagels. 2,980,635, 4–18–61, Cl. 260—2.1.

Davis, Clyne A., 20% to C. Bagwell. Pump safety switch. 3,008,420, 11–14–61, Cl. 103—22.

Davis, David R.: *See*—
Marshall, Daniel Q., Mason, Davis, Bobo, and Campbell. 2,990,156.

Davis, Dean W., to International Telephone & Telegraph Corp. Image converter and method and apparatus for producing the same. 2,975,015, 3–14–61, Cl. 316—19.

Davis, Dhuaine J. and M. C., to W. L. Grey. Filament handling apparatus. 3,003,716, 10–10–61, Cl. 242—154.

Davis, Donald C., to Meccano Ltd. Toy vehicle body construction. 3,009,287, 11–21–61, Cl. 46—222.

Davis, Donald W.: *See*—
Cipolla, Richard H., Davis, and Vander Linden. 2,995,447.

Davis, Douglass R., to Texaco Inc. Method of gravel packing well treatment. 2,978,024, 4–4–61, Cl. 166—15.

Davis, Doyle M., E. D. Gupton, J. C. Hart, and A. P. Hull, to United States of America, Atomic Energy Commission. Beta-gamma personnel dosimeter. 2,968,731, 1–17–61, Cl. 250—83.6.

Davis, Ernest, W. F. Gayring, and H. Uhlig, to Ward Industries Corp. Collar former device. 2,972,437, 2–21–61, Cl. 223—52.1.

Davis, Flavius E., III, to Basic Products Corp. Meter socket. 2,980,882, 4–18–61, Cl. 339—192.

Davis, Frank A., and H. H. Losche. Delay electric switch. 2,003,044, 10–3–61, Cl. 200—33.

Davis, Frank L. Air operated valve grinder. 2,978,842, 4–11–61, Cl. 51—29.

Davis, Frank L. Quick adjustment, ratchet tensioned tiedown. 2,993,680, 7–25–61, Cl. 254—164.

Davis, Frank L. Litter brackets. 2,995,332, 8–8–61, Cl. 248—229.

Davis, Frank L. Quick acting separable buckle with toggle takeup and releasable lock. 2,997,761, 8–29–61, Cl. 24—68.

Davis, Frank L. Slide buckle with lock and release. 3,013,318, 12–19–61, Cl. 24—196.

Davis, Frank L., Jr., to A. W. Deller. Variable hydraulic pumps. 3,013,498, 12–19–61, Cl. 103—38.

Davis, Franklin L. Device for computing areas and volumes. 2,972,810, 2–28–61, Cl. 33—1.

Davis, Fred H., to United States of America, Navy. Scanner disc. 2,996,945, 8–22–61, Cl. 88—1.

Davis, Frederick L., to Welex, Inc. Automobile fan drive. 2,972,398, 2–21–61, Cl. 192—103.

Davis, George E., and E. J. Di Ianni. Apparatus for testing radiation detection devices. 2,967,942, 1–10–61, Cl. 250—83.6.

Davis, George O., to O'Keefe & Merritt Co. Power operating adjustable broiler for cooking ranges. 3,011,850, 12–5–61, Cl. 312—306.

Davis, Glen R., to Pan American Petroleum Corp. Burner apparatus. 2,971,578, 2–14–61, Cl. 158—109.

Davis, Halford G. Portable support apparatus. 2,986,437, 5–30–61, Cl. 311—17.

Davis, Harold G.: *See*—
Brunson, Thayer R., and Davis. 2,973,311.

Davis, Harry E. Method and apparatus for making twisted plastic sticks. 3,001,354, 9–26–61, Cl. 57—31.

Davis, Harry M., and R. O. Karell, to General Motors Corp. Vehicle speed control system. 2,971,596, 2–14–61, Cl. 180—82.1.

Davis, Herman E.: *See*—
Ownby, James C., and Davis. 2,992,082.

Davis, Horace R., Jr.: *See*—
Copenhaver, John W., Kwiatek, and Davis. 3,004,048.
Hanford, William E., Copenhaver, and Davis. 2,967,887.

Davis, Howard C., and R. W. Entler, to The Wooster Brush Co. Paint rollers. 2,987,746, 6–13–61, Cl. 15—230.

Davis, Irwin A.: *See*—
Leaf, Clyde W., Hall, and Davis. 3,006,779.

Davis, J. Lawrence: *See*—
Hughes, Robert. 2,997,010.

Davis, James C., Jr., to Raytheon Co. Stable oscillators. 2,978,650, 4–4–61, Cl. 331—144.

Davis, James E.: *See*—
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Davis, James F. Grinding apparatus. 2,981,487, 4–25–61, Cl. 241—222.

Davis, James F. Flexible conduit cutting apparatus. 2,989,806, 6–27–61, Cl. 30—90.5.

Davis, James L. Mechanism for recapping bottles. 2,966,771, 1–3–61, Cl. 53—341.

Davis, James W.: *See*—
Weisgerber, Cyrus A., and Davis. 2,986,488.

Davis, Jeanette. Eyeglass assembly with pad-bearing bows. 3,006,247, 10–31–61, Cl. 88—52.

Davis, Jerome I., J. E. Steinback, and R. J. Enyeart, to Consolidated Diesel Electric Corp. Ground power system for jet type aircraft. 2,993,549, 7–25–61, Cl. 180—14.

Davis, Jimmie C.: *See*—
Holt, Charles R., and Davis. 3,012,225.

Davis, John H.: *See*—
Kuzell, Charles R., Fowler, Klein, and Davis. 2,989,397.

Davis, John L.: *See*—
Theodore, Ralph G., and Davis. 3,010,007.

Davis, John S.: *See*—
Rosenthal, Walter, and Davis. 2,985,549.

Davis, John V., to The Udylite Corp. Conveying apparatus. 2,983,360, 5–9–61, Cl. 198—19.

Davis, John V., to The Udylite Corp. Interchange device. 2,988,013, 6–13–61, Cl. 104—96.

Davis, John V., and H. J. Ward, to The Udylite Corp. Plating apparatus. 2,990,071, 6–27–61, Cl. 214—89.

Davis, Joseph P., to International Telephone and Telegraph Corp. Film printing. 2,992,937, 7–18–61, Cl. 117—9.

Davis, Kenneth J.: *See*—
Praeg, Walter S., and Davis. 2,990,658.

Davis, Kenneth J., to National Broach & Machine Co. Gear finishing machine. 2,970,408, 2–7–61, Cl. 51—71.

Davis, Kenneth J., to National Broach & Machine Co. Gear conveyor system. 3,007,563, 11–7–61, Cl. 193—39.

Davis, Latta O. Load spring suspension and levelling device. 2,998,970, 9–5–61, Cl. 267—19.

Davis, Lawrence S. Building attic ventilators. 2,988,983, 6–20–61, Cl. 98—121.

Davis, Luther G. Combination bailer and vase. 2,967,729, 1–10–61, Cl. 294—55.

Davis, Manfred, to General Precision, Inc. Laboratory phase standard. 2,987,675, 6–6–61, Cl. 324—88.

Davis, Manuel J. Strap coupling. 2,968,169, 1–17–61, Cl. 64—15.

Davis, Marvin L.: *See*—
Price, Earl R., Blair, and Davis. 2,991,762.

Davis, Mary A.: *See*—
Leland, Gerald H., and Davis. 2,973,748.

Davis, Merwyn C.: *See*—
Davis, Dhuaine J. and M. C. 3,003,716.

Davis, Nathan W. Insecticidal materials produced by the destructive distillation of gilsonite. 2,994,636, 8–1–61, Cl. 167—14.

Davis, Nathan W. Hydrocarbons obtained by destructive distillation of gilsonite and products made therefrom. 3,003,944, 10–10–61, Cl. 208—22.

Davis, Oliver F.: *See*—
Leland, Gerald H., and Davis. 2,973,748.

Davis, Oscar N. Cam locked sheet metal clamp with independently operable expander pin. 3,00,086, 9–19–61. Cl. 29—238.

Davis, Paul F.: *See*—
Julian, Percy L., Iveson, Rodlove, Slutkin, and Davis. 3,004,853.

Davis, Paul F., and M. A. Fello, to Central Soya Co., Inc. Method for preparing a granular oil-free phosphatide product. 3,012,888, 12–12–61, Cl. 99—15.

Davis, Pearl C., to Westinghouse Electric Corp. Adjustable shelf structure for refrigerator cabinet or the like. 2,980,483, 4–18–61, Cl. 312—271.

Davis, Phil E. Mulching machine. 2,968,355, 1–17–61, Cl. 172—63.

Davis, Phillip: *See*—
Cohen, Albert, Davis, and Orabona. 2,978,704.

Davis Products, Inc.: *See*—
Friedlander, Sidney L., and Hertzberg. 2,989,757.

Davis, Ralph A.: *See*—
Ruh, Robert P., and Davis. 3,006,727.

Davis, Ralph A., and M. R. Broadworth, to The Dow Chemical Co. Extended-life fluorination catalyst. 3,002,934, 10–3–61, Cl. 252—442.

Davis, Ralph C., to The Firestone Tire & Rubber Co. Method for manufacturing rubberized fabric article. 2,971,220, 2–14–61, Cl. 18—53.

Davis, Ralph E., to Radio Corp. of America. Method of delaminating laminated glass structures. 2,999,781, 9–12–61, Cl. 154—120.

Davis, Ralph N., to Bristol Siddeley Engines Ltd. Roller bearing. 3,010,770, 11–28–61, Cl. 308—77.

Davis, Raymond C., to General Motors Corp. Method of molding a steering wheel. 2,976,573, 3–28–61, Cl. 18—47.5.

Davis, Raymond L., II, to Leeds and Northrup Co. Measurement and control of constituent potentials. 3,011,873, 12–5–61, Cl. 23—232.

Davis, Reginald F., to International Combustion (Holdings) Ltd. Apparatus for the distribution of pulverised fuels. 2,975,001, 3–14–61, Cl. 302—28.

Davis, Richard H. Locking device. 2,995,919, 8–15–61, Cl. 70—93.

Davis, Richard H. Safety rear view mirrors. 2,995,983, 8–15–61, Cl. 88—98.

Davis, Robert A., and E. L. Velten. Football practicing device. 2,994,534, 8–1–61, Cl. 273—55.

Davis, Robert A., C. D. Littie, and D. V. Allen, to General Dynamics Corp. Means and method for testing of composite sandwich structures. 3,008,029, 11–7–61, Cl. 219—34.

Davis, Robert L., to The Superior Oil Co. Method of and apparatus for use in measuring earth potentials. 2,974,276, 3–7–61, Cl. 324—29.

Davis, Robert O., to The Gene Olsen Corp. Rack unloader. 3,010,589, 11–28–61, Cl. 214—89.

Davis, Roger A., and A. R. Hewitt, to International Computers and Tabulators Ltd. Data registering apparatus. 3,001,469, 9–26–61, Cl. 101—93.

Davis, Roland J.: *See*—
Huffman, Clifton J., and Davis. 3,014,583.

Davis, Ronald R.: *See*—
Landee, Robert W., Deen, Fling, Shaw, Davis, Johnston, and Bennett. 2,975,413.

Davis, Ross A. Slot type antenna having an autotransformer coupling circuit. 2,971,191, 2–7–61, Cl. 343—712.

Davis, Ross A. Slot antenna which is fed at two points. 3,007,164, 10–31–61, Cl. 343—712.

Davis, Roy E.: *See*—
Shapero, Wallace H., and Davis. 2,977,264.

Davis, Russell S.: *See*—
Herrmann, John A., Farnsworth, and Davis. 2,968,782.

Davis, Russell S., and D. H. Crail, to I-T-E Circuit Breaker Co. Means for edgewise mounting of bus bars. 2,985,710, 5–23–61, Cl. 174—99.

Davis, Shipp C., and W. G. Ray, to Chas. Pfizer & Co., Inc. Process for treating ferrous metals. 2,981,633, 4–25–61, Cl. 117—50.

Davis, Shipp C., and W. G. Ray, to Chas. Pfizer & Co., Inc. Process for treating ferrous metals. 2,981,634, 4–25–61, Cl. 117—50.

Davis, Shipp C., and W. G. Ray, to Chas. Pfizer & Co., Inc. Process for treating ferrous metals. 3,011,906, 12–5–61, Cl. 117—50.

Davis, Shipp C., and W. G. Ray, to Chas. Pfizer & Co., Inc. Process for treating ferrous metals. 3,011,907, 12–5–61, Cl. 117—50.

Davis, Stafford E., to Ark-Les Switch Corp. Electric connector. 2,987,697, 6–6–61, Cl. 339—258.

Davis, Sudie D. Convertible table. 3,001,843, 9–26–61, Cl. 311—3.

Davis, Thomas: *See*—
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Davis, Thomas, and R. L. Echols. Magnetic coding system for railroad cars. 2,981,830, 4–25–61, Cl. 246—2.

Davis, Thomas J., Jr. Form brace. 3,006,592, 10–31–61, Cl. 248—354.

Davis, Wade A., O. E. Eissmann, and B. P. Watson, to American Machine and Foundry Co. Tobacco separating apparatus. 2,988,213, 6–13–61, Cl. 209—21.

Davis, Ward D., S. Du Pont, R. J. Zeitler, W. R. Batesole, A. R. Tucker, and L. W. Hanson, to Dalto Corp. Visual apparatus for a flight trainer. 2,981,008, 4–25–61, Cl. 35—12.

Davis, Warren F., to Menasha Container of California, Division of Menasha Wooden Ware Corp. Shipping cartons for products subject to inspection. 2,981,457, 4–25–61, Cl. 229—16.

Davis, William: *See*—
Roland, Edgar G. 2,988,755.

Davis, William E., Jr., and P. D. Crothers, to The Bendix Corp. Pump. 3,009,422, 11–21–61, Cl. 103—162.

Davis, William H., Jr., H. J. De Mull, and P. R. Proto, to United States of America, Army. Method of gaging filling heights in closed containers. 3,001,070, 9–19–61, Cl. 250—67.

Davis, William J., to The Polymer Corp. Laminated strip product for electrical purposes. 2,998,840, 9–5–61, Cl. 154—2.6.

Davis, William J., to The Polymer Corp. Methods and apparatus for applying protective coatings. 3,004,861, 10–17–61, Cl. 117—18.

Davis, William L., and J. V. Vevirit, to McDonald Products Corp. Receptacle mounting assembly. 3,003,734, 10–10–61, Cl. 248—224.

Davis, William L., Jr.: *See*—
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Davis, William L., Jr., to United States Steel Corp. Apparatus for transferring fluidized solids. 2,975,000, 3–14–61, Cl. 302—17.

Davis, William L., Jr., Football drier. 3,012,334, 12–12–61, Cl. 34—104.

Davison, Charles H.: *See*—
Stevens, Norman B., Bradshaw, and Davison. 3,002,125.

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Davison, Herbert. Reversible tool spindle feed means. 3,008,156, 11–14–61, Cl. 10—139.

Davison, Joseph W., to Phillips Petroleum Co. Preparation of reactor effluent for recovery of acetylene and the like therefrom. 2,982,794, 5–2–61, Cl. 260—679.

Davison, Joseph W., to Phillips Petroleum Co. Process for isomerization of hydrocarbons. 2,999,890, 9–12–61, Cl. 260—666.

Davison, Roger A., to Orenda Engines Ltd. Rotary output assemblies. 2,978,885, 4–11–61, Cl. 64—1.

Davison, William S., Jr., E. H. Demontreux, and S. C. Shappell, to Sylvania Electric Products Inc. Lead-in wire orienting apparatus. 2,993,516, 7–25–61, Cl. 140—147.

Davisson, Charles W.: *See*—
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Davohn Corp.: *See*—
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Feldman, Charles. 2,996,403.
Feldman, Charles. 2,996,404.
Feldman, Charles. 2,998,323.

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Gagne, Joseph L. 3,002,938.

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Dawe, Harold J., and E. L. Youse, to Acheson Industries, Inc. Re-dispersible dispersion of polytetrafluoroethylene. 2,976,257, 3–21–61, Cl. 260—14.

Dawes, Jay R.: *See*—
Doman, John J., and Dawes. 2,967,763.

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Dawirs, Willis R.: *See*—
Cash, Carlton H., and Dawirs. 2,999,178.

Dawirs, Willis R. Identification, PPI code sorting and printing tube. 2,981,861, 4–25–61, Cl. 315—8.5.

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Brown, Kenneth R., and Dawson. 2,990,527.

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Dawson, John H., 50% to Y. M. Scott. Combination bracelet holder and card support. 2,981,507, 4–25–61, Cl. 248—33.

Dawson, John W., and F. H. Westheimer, to United States of America, Navy. Aluminized explosives. 2,982,641, 5–2–61, Cl. 52—6.

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Dawson, Lindsay G., to Rolls-Royce Ltd. Rotary fluid machine with means supplying fluid to rotor blade passages. 2,988,325, 6–13–61, Cl. 253—39.15.
Dawson, Norman D., to Miles Laboratories, Inc. Method of preparing sodium salts of diethylstilbestrol diphosphate. 2,971,975, 2–14–61, Cl. 260—461.
Dawson, Norman D., to Miles Laboratories, Inc. Acetylenically unsaturated piperazine derivatives. 2,993,899, 7–25–61, Cl. 260—268.
Dawson, Percy B., Jr., to Baldwin-Lima-Hamilton Corp. Spherical valve. 3,013,766, 12–19–61, Cl. 251—94.
Dawson, Robert H., to The Dole Valve Co. Ice level sensing mechanism. 2,977,772, 4–4–61, Cl. 62—137.
Dawson, Victor C. D., and A. E. Seigel, to United States of America, Navy. Blowout diaphragm. 3,005,573, 10–24–61, Cl. 220—89.
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Dawson, Warren T. Folding outboard motor cover. 3,010,124, 11–28–61, Cl. 9—1.
Dawson, William H., Jr., and D. W. Simpson, to Curtiss-Wright Corp. Apparatus for simulating aircraft engine operation. 2,987,829, 6–13–61, Cl. 35—12.
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Day Co., The: *See*—
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Day, Cyril L.: *See*—
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Day, Donald F., D. G. Stacy, and J. Stuyvenberg, Jr., to Ford Motor Co. Motor vehicle body foldable top. 2,997,337, 8–22–61, Cl. 296—117.
Day, Ernest J., and R. W. Berg. Adjustable lift hooks. 3,010,751, 11–28–61, Cl. 294—81.
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Stoops, Charles E., and Day. 2,981,670.
Stoops, Charles E., and Day. 3,007,859.
Day, John T., and C. M. Smith, to Merck & Co., Inc. Process of preparing 4-pregnene-11-ol-3,20-diones from 4-halo-pregnane-3,11,30-triones. 3,004,046, 10–10–61, Cl. 260—397.45.
Day, Kim K. Panel lifting device. 2,974,929, 3–14–61, Cl. 254—4.
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Day, Pierce B., to United States of America, Navy. Toric surface for the astigmatic correction of a shallow dome and prism combination. 3,001,448, 9–26–61, Cl. 88—72.
Day, Ray E. Variable speed fan drive. 2,995,295, 8–8–61, Cl. 230—270.
Day, Richard A., Jr., to British Telecommunications Research Ltd. Pulse distortion detecting equipment. 2,985,716, 5–23–61, Cl. 178—69.
Day, Robert C. Handle with adapter for fishing implements. 3,004,362, 10–17–61, Cl. 43—6.
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Day, Thomas L., and E. J. Totsas, to Connor Engineering Corp. Pneumatic damper. 3,011,518, 12–5–61, Cl. 137—601.
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Quin, Murray L. 2,985,090.
Dayco Corp.: *See*—
Howell, Emory L. 3,011,221.
Noyes, Howard, and Moorman. 2,977,426.
Rockoff, Joseph. 2,991,515.
Rockoff, Joseph, Waugh, and Huber. 2,991,498.
Rothermel, Edward M., and Waddell. 3,006,381.
Wagner, William T. 2,994,890.
Waugh, Dale L. 2,995,176.
Williams, Gordon E. 2,972,368.
Williams, Gordon E., Wyman, and Kaufman. 2,971,552.
Daye, Marvin H. Pump plunger improvement. 2,991,137, 7–4–61, Cl. 309—23.
Dayger, Jonas E., R. J. Salani, Jr., and P. V. Babel, to International Business Machines Corp. Card to tape converter. 2,995,297, 8–8–61, Cl. 235—61.7.
Daykin, Theodore W., to Ford Motor Co. Windshield wiper. 3,015,056, 12–26–61, Cl. 318—468.
Daystrom, Inc.: *See*—
Aliaga-Moyano, Ernesto. 3,002,141.
Barry, Austin W., and Schake. 2,974,279.
Bender, Frederick M. 2,981,178.
Blanco, Elias. 2,968,015.
Blanco, Elias. 2,972,124.
Crouchman, Alan J. 2,992,368.
Dean, Derek J. 2,986,303.
Eadie, Edward M., Jr. 3,002,074.
Erbguth, Paul F. K., and Balint. 2,987,930.
Estoppey, Royden F. 2,974,283.
Evans, Alfred C. 3,010,067.
Gilbert, Roswell W. 2,976,486.
Gilbert, Roswell W. 2,997,667.
Kwast, Victor B. 3,010,066.
Langford, Robert C. 2,980,857.
Lovegrove, Henry J. 2,987,957.
Daystrom, Inc.: *See*—Continued
Marenholtz, Pete E. 2,968,008.
Marenholtz, Pete E. 3,011,130.
Masson, Frederick Y. 2,997,698.
Miller, John H. 2,986,701.
Pignone, Joseph. 2,996,930.
Rouy, Auguste L. M. A. 2,986,066.
Rouy, Auguste L. M. A. 2,993,404.
Rouy, Auguste L. M. A. 3,001,439.
Schake, Richard P. 3,010,026.
Schmitz, Herman J., Jr., Pierson, and Hageman. 2,988,041.
Umrath, Ernst. Re. 24,938.
Umrath, Ernst. 3,009,665.
Wiancko, Thomas H., Rihn, and Vreugde. 3,001,407.
Wiancko, Thomas H., and Winsor. 3,002,159.
Winsor, Keith L. 2,978,653.
Dayton Co., Inc.: *See*—
Lehde, Richard H. 2,996,585.
Dayton, David R.: *See*—
Brooks, David N., Dayton, and Nimblett. 3,003,053.
Dayton, David R., A. H. Nimblett, and D. N. Brooks, to Sylvania Electric Products Inc. Trigger type automatic flashgun. 3,015,023, 12–26–61, Cl. 240—1.3.
Dayton, Edward R.: *See*—
Cypser, Gustav J., and Dayton. 2,999,237.
Dayton, Gordon V.: *See*—
Dayton, Theodore S. and G. V. 2,984,949.
Dayton Malleable Iron Co., The: *See*—
Crome, Lester C. 2,980,530.
Crome, Lester C. 2,980,531.
Dayton Rogers Mfg. Co.: *See*—
Dulebohn, David H., and Gold. 2,977,040.
Dulebohn, David H., and Gold. 2,989,639.
Gold, Robert M., and Carlson. 3,013,791.
Wennes, Stephen B. 2,976,754.
Dayton Steel Foundry Co., The: *See*—
Dotto, Gianni A., and Walther. 3,013,636.
Walther, Daniel A. 3,013,841.
Walther, Daniel A. 3,013,842.
Walther, George, Sr. 3,007,742.
Dayton, Theodore S. and G. V., to Pacific Tool and Mfg. Co. Apparatus for sharpening wood bits. 2,984,949, 5–23–61, Cl. 51—95.
Dayvault, Jack A., and F. Fortess, to Celanese Corp. of America. Hot vapor treatment in dyeing cellulose triacetate. 2,999,002, 9–5–61, Cl. 8—94.
Dazor Mfg. Corp.: *See*—
Mehr, Jacob A. 3,003,737.
Dazzi, Joachim, to Monsanto Chemical Co. Vinyl chloride polymers plasticized with adducts of alkyl fumarates and mesityl oxide. 2,984,637, 5–16–61, Cl. 260—31.8.
Dazzi, Joachim, to Monsanto Chemical Co. Resinous composition comprising a vinyl chloride polymer plasticized with an adduct of an alkyl fumarate and an aliphatic olefinic aldehyde. 2,984,638, 5–16–61, Cl. 260—31.8.
Dazzi, Joachim, to Monsanto Chemical Co. Capacitor containing an alkoxyalkyl chlorophenyl ether as a dielectric. 2,988,679, 6–13–61, Cl. 317—258.
Dazzi, Joachim, to Monsanto Chemical Co. Polyvinyl chloride plasticized with adducts of alkylated aromatic hydrocarbons and fumarate esters. 3,004,947, 10–17–61, Cl. 260—31.8.
Dazzi, Joachim, to Monsanto Chemical Co. Diglycidyl ether of dihydroxypolychlorobiphenyls and epoxy resins therefrom. 3,004,951, 10–17–61, Cl. 260—47.
D'Azzo, Errol P. Awning head rod clamp. 2,968,461, 1–17–61, Cl. 248—273.
D'Dona, Mario. Storm door. 2,983,315, 5–9–61, Cl. 160—37.
De Acetis, William, and S. I. Trotz, to Olin Mathieson Chemical Corp. Preparation of decaborane. 2,983,581, 5–9–61, Cl. 23—204.
Deacon, Alexander J., to United States Steel Corp. Vacuum casting apparatus. 2,996,772, 8–22–61, Cl. 22—79.
Deacon, George P. Electrical radiant heating system. 2,979,595, 4–11–61, Cl. 219—19.
Deaconson, James N., and D. D. Dissly. Mail-room method of packaging newspapers and newspaper distribution package. 3,002,324, 10–3–61, Cl. 53—26.
Deady, Florentine J. Combined footrest and leg rest. 2,991,126, 7–4–61, Cl. 297—439.
Deakin, Stanley T., to Siemens Edison Swan Ltd. Electrical socket contacts. 3,012,221, 12–5–61, Cl. 339—258.
Deal, Carl H., Jr.: *See*—
Papadopoulos, Michael N., and Deal. 2,999,892.
Deam, Arthur F. Column and beam connection. 2,967,594, 1–10–61, Cl. 189—36.
De Amicis, Redento R., and N. A. Massello, to General Electric Co. Manufacturing method and apparatus. 2,996,167, 8–15–61, Cl. 198—19.
Deamud, Harold L. Awning hold-down anchor. 3,009,550, 11–21–61, Cl. 189—90.
Dean, Albert G., to The Budd Co. Mounting for third rail shoe assembly. 2,967,915, 1–10–61, Cl. 191—49.
Dean, Albert G., to The Budd Co. Wall structure, particularly for railway cars. 2,978,995, 4–11–61, Cl. 105—401.
Dean, Charles A., to G. C. Dean, by decree of distribution. Core orienting apparatus. 2,974,739, 3–14–61, Cl. 175—2.
Dean, Derek J., to Daystrom Inc. Electrical measuring instrument. 2,986,303, 5–30–61, Cl. 220—82.

Dean, Frank A.: *See*—
Hardgrave, Everett J., Jr., and Dean. 2,998,702.
Dean, Frank A., to United States of America, Navy. Ramjet diffuser. 3,008,667, 11–14–61, Cl. 244—14.
Dean, Franklin R., W. P. Horton, and R. L. Massard, to Computer Control Co., Inc. Counting apparatus. 2,978,174, 4–4–61, Cl. 235—92.
Dean, Franklin R., to Computer Control Co., Inc. Universal logical package. 2,999,947, 9–12–61, Cl. 307—88.5.
Dean, Fred: *See*—
O'Neill, William A., Taylor, and Dean. 3,012,038.
Dean, George A., to The Benson Mfg. Co. Fire inerting system. 2,990,886, 7–4–61, Cl. 169—6.
Dean, Geraldine C.: *See*—
Dean, Charles A. 2,974,739.
Dean, Gordon W., to Cannon Electric Co. Electrical connector. 3,011,143, 11–28–61, Cl. 339—49.
Dean, Harry N.: *See*—
Cowley, Charles H., Dean, and Montgomery. 2,968,125.
Dean, Harry N., Libbey-Owens-Ford Glass Co. Apparatus for sealing multiple sheet glazing units. 2,968,891, 1–24–61, Cl. 49—1.
Dean, Hiram M. Hygrometer device. 2,977,798, 4–4–61, Cl. 73—335.
Dean, Hubert W.: *See*—
Clemens, John E., Dean, Thomas, and Touchman. 2,980,319.
Dean, Orville E., J. L. Layshock, and S. G. Shack; said Layshock, and said Shack assors. to said Dean. Method of prestressing tension bars of a lock gate. 3,007,233, 11–7–61, Cl. 29—155.
Dean, Ralph L. Question and answer device. 2,970,387, 2–7–61, Cl. 35—9.
Dean, Reginald I. R. Dial type gauge instruments. 2,977,801, 4–4–61, Cl. 73—432.
Dean, Reginald S., to Chicago Development Corp. Manganese alloys. 2,982,646, 5–2–61, Cl. 75—134.
Dean, Reginald S., to Chicago Development Corp. Production of lubricating compositions from zirconium compounds. 3,003,890, 10–10–61, Cl. 106—286.
Dean, Russell T.: *See*—
Gaylord, Norman G., and Dean. 2,985,611.
Dean, Sidney W., Jr.: *See*—
Fitzgerald, Gerald A. 3,006,773.
Dean, Sidney W., Jr. Casing compositions. 2,969,795, 1–31–61, Cl. 131—144.
Dean, Walter L., and A. M. Dowell, Jr., to The Buckeye Cellulose Corp. Chemical additive for use in the production of cellulose products. 2,993,797, 7–25–61, Cl. 106—163.
Deane, Darrell D.: *See*—
Hammond, Earl G., and Deane. 2,982,654.
De Angelis, John: *See*—
Wilbert, Godfrey, and De Angelis. 2,998,450.
De Angelus, Millet R.: *See*—
Dersch, Fritz, and De Angelus. 2,981,624.
Dersch, Fritz, and De Angelus. 3,006,760.
Deans, James N. M., to Babcock & Wilcox Ltd. Surface discharge multiple gap sparking plug. 3,004,184, 10–10–61, Cl. 313—123.
Dear, Alexander T. C., and K. L. Merther, to Lewin Road Sweepers Ltd. Road sweeping machines. 2,991,492, 7–11–61, Cl. 15—87.
Dear, Ervin J. Ore pulverizing mill with centrifugal impact pulverizing action. 2,999,652, 9–12–61, Cl. 241—275.
Dearborn Electronic Laboratories of Delaware, Inc.: *See*—
Foster, Cyril J., and Naven. 2,969,488.
Naven, Benjamin S., and Simpson. 3,007,440.
Dearborn Gage Co.: *See*—
Tomkow, Edward. 2,971,366.
Dearing, Clarence W.: *See*—
Parish, Richard L., Jr., and Dearing. 2,972,431.
Dearle, Denis A., to North & Judd Mfg. Co. Service entrance head for electrical conduit. 3,003,019, 10–3–61, Cl. 174—81.
Dearling, Harry S. Cosmetic applicator. 3,008,169, 11–14–61, Cl. 15—244.
De Armond, Harry, and L. N. Meeker, to H. N. Rowe. Foot pedal. 2,986,953, 6–6–61, Cl. 74—478.
Dearsley, George, to American Machine & Foundry Co. Adhesive applying apparatus. 2,991,753, 7–11–61, Cl. 118—262.
Dearsley, George, to American Machine & Foundry Co. Cigarette making machine. 3,008,471, 11–14–61, Cl. 131—84.
Deary, George F., Sr., and A. A. Provost. Hard roll scorer and former. 2,977,901, 4–4–61, Cl. 107—8.
Deatherage, Elsie O. Game device for teaching reading and word pronunciation. 2,995,374, 8–8–61, Cl. 273—134.
Deaton, Charles U. Overhead illuminator grids. 3,006,019, 10–31–61, Cl. 15—256.
Deaver, Danny B., to Do-More Products Corp. Gas purifier. 2,978,064, 4–4–61, Cl. 183—4.
Deavin, Christopher M.: *See*—
McLeod, Thomas S., Deavin, and Cole. 2,969,875.
Deb Shoe Co., Inc.: *See*—
Altman, Jacob I. 3,000,119.
De Bach, Paul H., ⅓ to H. U. Meyer. Spear gun. 3,006,330, 10–31–61, Cl. 124—22.
Debailleux, Louis P., to Massey-Ferguson, S.A. Implement transporting method and apparatus. 2,996,307, 8–15–61, Cl. 280—34.
De Barbieris, Irvin H.: *See*—
Baril, Albert, Jr., and De Barbieris. 2,983,210.
De Barr, Albert E.: *See*—
Catling, Harold, De Barr, and Linnert. 3,013,313.
De Bartolo, Francis. Wire or cable bundle tie. 2,979,794, 4–18–61, Cl. 24—17.
Debbage, Lawrence, to C. A. Parsons & Co. Ltd. Constant load supports. 2,989,276, 6–20–61, Cl. 248—54.
De Beer, Edwin J., C. H. Ellis, and W. Ide, to Burroughs Wellcome & Co. (U.S.A.) Inc. Method for the administration of muscle relaxant drugs. 2,979,055, 4–11–61, Cl. 128—214.
De Belder, Maurice H., and R. M. Hart, to Gevaert Photo-Producten N.V. Photographic material. 3,000,740, 9–19–61, Cl. 96—114.
De Bell, John M., to Phillips Petroleum Co. Pressure-sensitive adhesive tape. 2,969,143, 1–24–61, Cl. 206—59.
De Bell, William M.: *See*—
Mielziner, Walter, and De Bell. 2,987,621.
De Bella, Isabelle D. Bed patient weighing means. 2,990,899, 7–4–61, Cl. 177—139.
De Benedetti, Harold B., to Tidewater Oil Co. Cleaning tool. 3,000,036, 9–19–61, Cl. 15—314.
De Benneville, Peter L., to Rohm & Haas Co. Aminoketones. 2,969,359, 1–24–61, Cl. 260—247.7.
De Benneville, Peter L., to Rohm & Haas Co. Aminoacetamidoximic quaternary ammonium compounds. 2,970,145, 1–31–61, Cl. 260—247.5.
De Benneville, Peter L., to Rohm & Haas Co. Ketonic quaternary ammonium compounds. 2,994,699, 8–1–61, Cl. 260—294.7.
Debenport, Jerald R., Jr. Automatic film cartridge loading machine. 3,004,727, 10–17–61, Cl. 242—55.11.
De Bernardi, Robert E., and G. E. Moore, to Clevite Corp. Method of forming a transistor structure and contacts therefor. 2,983,633, 5–9–61, Cl. 148—1.5.
Debesson, Robert, to Dunlop Rubber Co. Ltd. Pneumatic tyres. 2,997,091, 8–22–61, Cl. 152—354.
De Best Mfg. Co., Inc.: *See*—
Turner, Horace J., and Smyth. 2,976,543.
De Biasi, Charles P. Material spreader for use on a dump truck. 2,969,987, 1–31–61, Cl. 275—8.
De Biasi, Charles P. Hydraulic system for dump trucks. 3,003,262, 10–10–61, Cl. 37—41.
De Biro, A. P., & Co. Ltd.: *See*—
Bene, Charles. 2,987,368.
Debo, Arno, to Joh. A. Benckiser G.m.b.H., Chemische Fabrik. Production of phosphoric acid-dialkylester-amines. 2,995,596, 8–8–61, Cl. 260—461.
De Boalt, Fred F., to Aluminum Co. of America. Sampling apparatus. 3,000,219, 9–19–61, Cl. 73—422.
De Bock, Cornelis A.: *See*—
Walop, Jacobus N., Jacobs, and de Bock. 2,989,435.
De Boer, Albert: *See*—
Curriston, Loren E., and de Boer. 2,982,510.
De Boer, Cornelis: *See*—
Jungeling, Friedhelm G., de Boer, and Salters. 2,995,958.
De Boisblanc, Deslonde R., to Phillips Petroleum Co. Combustion control in ram jet aircraft engines. 2,982,091, 5–2–61, Cl. 60—35.6.
De Boisblanc, Deslonde R., to Phillips Petroleum Co. Test circuit. 2,982,910, 5–2–61, Cl. 324—57.
De Boisblanc, Deslonde R., to Phillips Petroleum Co. Combustion control in aircraft engines. 3,002,339, 10–3–61, Cl. 60—35.6.
De Boo, Jerome L., to Teletype Corp. Tape pull back mechanism for printing telegraph apparatus. 2,989,590, 6–20–61, Cl. 178—17.
De Boo, Jerome L., to Teletype Corp. High speed reversible tape reader. 3,014,092, 12–19–61, Cl. 178—17.
Debow, Bernard. Display stands. 2,985,313, 5–23–61, Cl. 211—135.
De Bree, Oscar L., and P. J. Boudrez. Self cleaning rock drill bit. 3,011,571, 12–5–61, Cl. 175—413.
Debrie, Andre V. L. C. Light beam controls for color printing. 2,971,447, 2–14–61, Cl. 95—73.
Debrie, Andre V. L. C. Arrangement for driving films in a machine treating kinematographic films. 2,978,161, 4–4–61, Cl. 226—183.
Debrie, Andre V. L. C. Apparatus for continuous television and non-continuous photography on film with a camera having a single objective. 2,982,171, 5–2–61, Cl. 88—16.
Debrie, Andre V. L. C. Guide means for cinematographic films. 2,996,951, 8–22–61, Cl. 88—17.
De Brito Filho, Francisco S. R., to Escritorio Saturnino de Brito. Dam. 2,966,777, 1–3–61, Cl. 61—26.
De Broekert, James C., and W. E. Ayer, to Research Corp. Crystal detector assembly. 3,010,072, 11–21–61, Cl. 329—162.
De Bruijn, Hendrik E., to North American Philips Co., Inc. Device for processing metals. 2,967,226, 1–3–61, Cl. 219—69.
Debs, Victor, to American Machine & Foundry Co. Work-holding device. 2,971,756, 2–14–61, Cl. 269—142.
De Butts, Edward H., to Hercules Powder Co. Propylene polymerization. 2,992,212, 7–11–61, Cl. 260—93.7.
Decam Corp.: *See*—
Alexander, Perry L., Jr., and Vernon. 2,987,251.
Decamp, Andre E. Artificial plant. 3,002,308, 10–3–61, Cl. 41—13.
De Canniere, Jean L., and I. M. Rillaerts, to Gevaert Photo-Producten N.V. Side-loading stacking truck. 2,989,202, 6–20–61, Cl. 214—670.
De Carle, John T., to N. K. Wesley and G. N. Jessen. Lens molding apparatus. 2,990,574, 7–4–61, Cl. 18—5.

De Carlo, Angelo. Coupling nut provided with terminal connector. 3,009,128, 11–14–61, Cl. 339—13.

De Caro, Charles J., to Olin Mathieson Chemical Corp. Explosively actuated stud with a front guiding means with a tapered flange. 2,968,984, 1–24–61, Cl. 85—10.

De Cat, Arthur H.: *See*—
Tavernier, Bernard H., Desmit, and De Cat. 2,982,649.

De Cat, Arthur H., and B. H. Tavernier, to Gevaert Photo-Producten N.V. Light-sensitive photographic element containing a 1-hydroxy-2-naphthoic acid anilide color coupler. 2,979,405, 4–11–61, Cl. 96—55.

De Cat, Arthur H., and B. H. Tavernier, to Gevaert Photo-Producten N.V. Production of colored photographic images. 2,992,920, 7–18–61, Cl. 96—55.

Decca Record Co. Ltd., The: *See*—
Aylett, Douglas A. 3,007,153.
Easy, Maurice H. 2,995,745.
Easy, Maurice H., Burr, and Street. 2,997,706.
Easy, Maurice H., and Robinson. 2,995,747.
Easy, Maurice H., Williams, and Cook. 3,007,154.
Hansford, Reginald F., and Parker. 3,000,007.
Matthews, Robert. 2,994,868.
Parker, Eric. 2,997,707.
Simmons, Ronald E. G., Foy, Shepherd, and Easy. 3,007,152.

De Cenzo, Herbert A., to On Mark Couplings, Inc. Valved coupling. 2,991,090, 7–4–61, Cl. 284—18.

De Cenzo, Herbert A., to On Mark Couplings, Inc. Quick disconnect coupling. 2,991,091, 7–4–61, Cl. 285—83.

Dechant, Arnulf: *See*—
Volk, Heinrich, and Dechant. 2,970,549.

Dechant, Peter A.: *See*—
Schafer, Joseph E. 2,993,202.

De Chellis, Italo V., and R. R. Halik, to Socony Mobil Oil Co., Inc. Denitrogenizing reformer feed. 2,984,617, 5–16–61, Cl. 208—88.

Deck, Earl L. Chain saw sharpener. 3,013,448, 12–19–61, Cl. 76—40.

Deckel, Friedrich W.: *See*—
Zwick, Kurt. 2,967,382.

Deckel, Hans: *See*—
Zwick, Kurt. 2,967,382.

Decker, Edmond L., to R. W. Keiser. Storage area for removable cargo containers. 3,011,663, 12–5–61, Cl. 214—38.

Decker, Elmer L., to Martin-Decker Corp. Load indicator and anchor for load sustaining lines. 2,984,103, 5–16–61, Cl. 73—143.

Decker, Frederick J.: *See*—
Vogt, Louis E., Decker, and Gregg. 2,984,422.

Decker, George A., to General Precision Inc. Simulated hydraulic pressure system. 3,003,253, 10–10–61, Cl. 35—12.

Decker, George A., to General Precision, Inc. Simulated aircraft fire system. 3,005,267, 10–24–61, Cl. 35—12.

Decker, Jacob, to The Cincinnati Milling Machine Co. Cam follower. 3,003,491, 10–10–61, Cl. 125—11.

Decker, James L., to The Martin Co. Aircraft longitudinal control system. 3,002,714, 10–3–61, Cl. 244—83.

Decker, Johannes B., to Klockner-Humboldt-Deutz Aktiengesellschaft. Roller press for the briquetting of ore, coal or similar material. 2,979,799, 4–18–61, Cl. 25—77.

Decker, Richard O.: *See*—
Pittman, George F., Jr., Decker, and Jones. 2,985,772.

Decker, William H.: *See*—
Campbell, Oliver F., and Decker. 3,013,773.
Morton, Lawrence L., Decker, and Bennett. 2,999,285.

Decker, William H., to Maxant Button & Supply Co. Fabric faced button. 2,993,250, 7–25–61, Cl. 24—113.

Decker, William H., to Sinclair Refining Co. Temperature stabilization in a multiple bed catalytic reforming system. 3,011,965, 12–5–61, Cl. 208—64.

Decker, William H., R. J. Rieck, and L. H. Bennett, to Maxant Button and Supply Co. Garment button and means and method of making same. 2,993,392, 7–25–61, Cl. 79—5.

De Claire, Alton G., Jr.: *See*—
Holley, George M., Jr., De Claire, and Cameron. 3,006,327.
Leibold, Richard E., and De Claire. 3,005,067.

De Claire, Alton G., Jr., to Holley Carburetor Co. Fuel metering and pumping device. 2,975,941, 3–21–61, Cl. 222—250.

De Claire, Alton G., Jr., to Holley Carburetor Co. Servo system. 2,997,986, 8–29–61, Cl. 121—41.

Decorated Metal Mfg. Co., Inc.: *See*—
Granger, William T. 3,002,610.

De Cordova, Samuel F.: *See*—
Coleman, Ray J., De Cordova, and Kennard. 2,998,076.

De Coriolis, Ernest G., by P. de Coriolis, guardian, and C. C. Sykes, to Midland-Ross Corp. Heat treating system. 2,998,237, 8–29–61, Cl. 266—4.

De Coriolis, Pierre: *See*—
De Coriolis, Ernest G., and Sykes. 2,998,237.

De Corte, Michael A., R. O. Dameron, and R. P. Zundel, to Ford Motor Co. Fluid pressure distributor valve. 3,006,369, 10–31–61, Cl. 137—620.

De Crescente, Carmine A.: *See*—
Pinnes, Robert W., and De Crescente. 2,974,495.

Dectrow, Tefius X., and H. C. Sundby, to Minneapolis-Honeywell Regulator Co. Support apparatus. 2,980,381, 4–18–61, Cl. 248—223.

Dedichen, Jens: *See*—
Laland, Per J. and S. G. M., and Dedichen. 2,985,561.

Dedmon, George D., to Carolyn Chenilles, Inc. Tufting machine. 2,989,014, 6–20–61, Cl. 112—79.

Dedrick, John H., to Reynolds Metals Co. Method for accomplishing one side expansion in pressure welded passageway panels. 2,966,729, 1–3–61, Cl. 29—157.3.

Deeks, Lawrence M.: *See*—
Alton, William J., Deeks, O'Donnell, and Raub. 3,006,435.

Deeley-Jones, Arnold E., to General Motors Corp. License plate installation. 2,977,700, 4–4–61, Cl. 40—202.

De Elorza, John. Pressure container for perfume spray. 2,998,165, 8–29–61, Cl. 222—182.

Deems, Frank E., to Continental Gin Co. Roller cotton gin. 2,994,926, 8–8–61, Cl. 19—52.

Deems, Frank E., to Continental Gin Co. Power turning mechanism for packing press. 2,996,976, 8–22–61, Cl. 100—53.

Deen, James R.: *See*—
Landee, Robert W., Deen, Fling, Shaw, Davis, Johnston, and Bennett. 2,975,413.
Tasker, Homer G., Van Alstyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.

Deer, Millard A., Jr. Waler bracket. 3,007,665, 11–7–61, Cl. 248—226.

Deere & Co.: *See*—
Ackley, John W. 2,973,905.
Ackley, John W. 2,995,251.
Ackley, John W. 3,003,775.
Andrews, Norman F. 2,971,590.
Borsheim, Harold G., and Cade. 2,986,956.
Breed, Arie E. 2,991,613.
Brown, Harold W. 3,003,790.
Browning, Edgar P. 3,002,393.
Cantral, John I. 2,971,592.
Cehler, William P., and Hansen. 2,975,841.
Cehler, William P., and Hansen. 2,975,844.
Cheatum, Leo G. 2,988,115.
Cook, Curtiss L. 2,978,856.
Craig, Louis E., and Minor. 3,005,792.
Craig, Louis E., and Minor. 3,009,949.
Denman, Donald R. 2,983,490.
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Jones, Frank D. 3,001,527.
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Klouda, Alvin E. 2,968,494.
Kress, James H. 2,987,003.
Lance, Orville P., and Murray. 2,990,053.
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Deering, Roland F., to Union Oil Co. of California. Shale retorting process. 3,004,898, 10–17–61, Cl. 202—16.
Deering, Roland F., R. O. Dhondt, J. R. Hunt, A. E. Kelley, and C. J. Welsh, to Union Oil Co. of California. Retorting process and apparatus. 2,980,592, 4–18–61, Cl. 202—6.
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De Frangesco, Ralph D., to Arrow Tools, Inc. Axial impact tool and work-retainer combination. 2,999,407, 9–12–61, Cl. 81—52.35.
De Frenes, Joseph F., and H. L. Roberts. Prompting system. 2,981,144, 4–25–61 Cl. 88—16.
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De Galocsy, Zsigmond, and J. Prunet. Preparation of carbon black. 2,992,075, 7–11–61, Cl. 23—209.6.
De Ganahl, Carl. Pipe structure. 2,969,812, 1–31–61, Cl. 138—25.
De Ganahl, Charles. Baled hay stacker. 2,999,608, 9–12–61, Cl. 214—654.
De Gear, Edward, to American Can Co. Curling head. 2,966,-871, 1–3–61, Cl. 113—24.
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De Graaf, Pieter, to N.V. Vloeistofmeetapparatenfabriek. Fluid meters. 3,001,400, 9–26–61, Cl. 73—242.
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De Graff, Wilbur C. 2,968,981.
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De Grasse, Robert W., and E. O. Schulz-Du Bois, to Bell Telephone Laboratories, Inc. Traveling wave solid state masers. 3,004,225, 10–10–61, Cl. 330—4.
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De Groote, Melvin, to Petrolite Corp. Amine-modified thermoplastic phenol-aldehyde resins and method of making same. 2,997,460, 8–22–61, Cl. 260—51.
De Groote, Melvin, to Petrolite Corp. Certain oxyalkylated amine-modified thermoplastic phenol-aldehyde resins and method of making same. 2,997,461, 8–22–61, Cl. 260—51.
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Dehaven, Eugene S., to The Dow Chemical Co. Control valve. 2,973,936, 3–7–61, Cl. 251—205.

De Haven, Eugene S., to The Dow Chemical Co. Valve. 3,013,767, 12–19–61, Cl. 251—122.

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De Havilland Engine Co. Ltd., The: *See*—
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De Held, Leendert. Zip fastener. 2,993,252, 7–25–61, Cl. 24—205.1.

Dehmelt, Friedrich W., to Telefunken G.m.b.H. Method of forming transistors. 2,992,144, 7–11–61, Cl. 148—1.5.

Dehmelt, Friedrich W., to Telefunken G.m.b.H. Method and apparatus for growing single crystals from molten bodies. 2,998,335, 8–29–61, Cl. 148—1.6.

Dehmelt, Friedrich W., and G. Grust, to Telefunken G.m.b.H. Method of alloying an alloy material with the surface of a semiconductor body. 3,013,910, 12–19–61, Cl. 148—1.5.

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Strauss, Wennemar, and Wedell. 3,000,800.
Strauss, Wennemar, and Willmund. 2,986,498.

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Oishei, John R., and Deibel. 3,013,625.

Deibel, Raymond A., and W. C. Riester, to Trico Products Corp. Windshield cleaning arrangement. 2,986,761, 6–6–61, Cl. 15—250.02.

Deibel, Raymond A., and W. C. Riester, to Trico Products Corp. Windshield cleaner control. 3,000,032, 9–19–61, Cl. 15—250.02.

Deibel, Raymond A., H. V. Roberts, Jr., and W. C. Riester, to Trico Products Corp. Door operator. 3,002,581, 10–3–61, Cl. 180—82.

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Deimer, William H. L., J. B. Urban, and E. F. Riopelle, to The Lunkenheimer Co. Valve construction. 2,996,075, 8–15–61, Cl. 137—243.

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Deissler, Otto. Electromagnetically actuated switch. 2,969,444, 1–24–61, Cl. 200—87.

Deist, Herbert H., and J. L. Hollis, to The Firestone Tire & Rubber Co. Apparatus and method of making pneumatic air springs. 2,971,875, 2–14–61, Cl. 154—83.

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Deiters, Wilhelm, and J. Giesen, to Inventa, A.G. fur Forschung und Patentverwertung. Process for the production of multivalent alcohols from sorbitol. 3,007,972, 11–7–61, Cl. 260—635.

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Deitrickson, Roy H., to The National Supply Co. Control valves for fluid actuated pumps. 2,966,894, 1–3–61, Cl. 121—123.

Deitrickson, Roy H., to The National Supply Co. Control valves for fluid actuated pumps. 2,966,895, 1–3–61, Cl. 121—123.

De Jager, Evert, to Organon Inc. Process for the manufacture of ACTH by CMC chromatography. 2,996,428, 8–15–61, Cl. 167—74.

De Jager, Frank, and P. J. van Gerwen, to North American Philips Co., Inc. Frequency detector. 2,995,707, 8–8–61, Cl. 324—79.

De Jager, Frank, and J. W. Klute, to North American Philips Co., Inc. Transmission system. 3,003,037, 10–3–61, Cl. 179—15.55.

De Jarnett, Frank D., ½ to P. A. Medearis. Apparatus for moving pipe into and out of an oil well derrick. 2,999,605, 9–12–61, Cl. 214—2.5.

De Jean, Don C., to Associated Spring Corp. End construction of annular spring device. 2,991,064, 7–4–61, Cl. 267—1.

De Jean, Felix A., Jr. Hand operated boat propeller. 2,987,030, 6–6–61, Cl. 115—28.

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De Jong, Jan I., to E. I. du Pont de Nemours and Co. Ethylene-sulfur dioxide polymerization and product thus obtained. 2,976,269, 3–21–61, Cl. 260—79.3.

De Jong, Jan I., to Koninklijke Zwarelzuurfabrieken v/h Ketjen N.V. Hardenable epoxy resin and processes for preparing and hardening same. 2,987,498, 6–6–61, Cl. 260—43.

De Jongh, David K., A. M. Akkerman, H. Kofman, and G. de Vries, to N.V. Nederlansche Combinatie Voor Chemische Industrie. New 2-substituted piperazine derivatives with central stimulating activity. 2,997,473, 8–22–61, Cl. 260—268.

De Jongh, David K., A. M. Akkerman, H. Kofman, and G. De Vries, to N.V. Nederlandsche Combinatie voor Chemische Industrie. New α pyrazinyl phenylacetic acid derivatives with central depressant activity and their manufacture. 3,006,918, 10–31–61, Cl. 260—250.

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De Kalb Agricultural Assn., Inc.: *See*—
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De Koker, Willy P. and S. J. G. De Vleminck, to North American Philips Co., Inc. Frequency-shift telegraphy receiver. 2,979,567, 4–11–61, Cl. 178—88.

De Koker, Willy P., and S. J. G. De Vleminck, to North American Philips Co., Inc. Receiver for use in frequency shift telegraphy. 3,008,007, 11–7–61, Cl. 178—88.

De Koning, Edwin W. Lumber feeder mechanism. 2,980,234, 4–18–61, Cl. 198—34.

De Koning, Jacob, to Stamicarbon N.V. Material distributing device. 2,988,200, 6–13–61, Cl. 198—52.

De Koning, Jan, to Stamicarbon N.V. Screening apparatus. 3,007,574, 11–7–61, Cl. 209—251.

Delacoste, Claude, to Societe a Responsabilite Limitee dite: Delacoste & Cie. Resilient inflation valve. 2,989,068, 6–20–61, Cl. 137—223.

Delacour, Jacques, to Societe de Prospection Electrique, Procedes Schlumberger. Shaped explosive charge. 3,014,424, 12–26–61, Cl. 102—22.

Delacroix, Baudouin, to Raffinerie Tirlemontoise. Apparatus for contacting solids and fluids, particularly for extracting sugar by diffusion. 2,996,413, 8–15–61, Cl. 127—3.

De Lacy, Joseph H. Camera shutter. 3,003,405, 10–10–61, Cl. 95—18.

Delagrange, Carl R., and G. F. Meehan, to Celanese Corp. of America. Apparatus for feeding solids. 2,973,993, 3–7–61, Cl. 302—59.

De Lajarte, Stéphane, to Compagnie de Saint-Gobain. Glass composition. 3,013,888, 12–19–61, Cl. 106—50.

De la Llave, Roberto F. Water heaters. 2,982,284, 5–2–61, Cl. 126—350.

De La Mare, Harold E., J. K. Kochi, and F. F. Rust, to Shell Oil Co. Production of ethylenic compounds from free radicals and cupric salts. 3,013,068, 12–12–61, Cl. 260—488.

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Delaney, Frank J., to Collins Radio Co. Data phase-coding system using parallel pulse injection in binary divider chain. 2,994,790, 8–1–61, Cl. 307—88.5.

Delaney, John J.: *See*—
Carlson, Melvin G., and Delaney. 2,986,267.
Torre, Thomas P., and Delaney. 2,990,095.

Delaney, John J. Hydraulic pump unit. 3,006,281, 10–31–61, Cl. 103—37.

Delaney, Richard K.: *See*—
Clark, Athol B., and Delaney. 2,973,429.

De Lange, Owen E., to Bell Telephone Laboratories, Inc. Self-timed regenerative repeaters for PCM. 2,981,796, 4–25–61, Cl. 178—70.

De Lano, Merritt V., Jr., to Phillips Petroleum Co. Hydrogen fluoride alkylation process and apparatus. 2,972,648, 2–21–61, Cl. 260—683.42.

Delano, William R. P. Anti-skid device. 3,014,517, 12–26–61, Cl. 152—236.

Delanoy, Donald B., to Pye Ltd. Telephone systems. 2,990,454, 6–27–61, Cl. 179—84.

De Lanty, Loren J., to Sperry Rand Corp. Gyro verticals. 2,986,942, 6–6–61, Cl. 74—5.4.

Delany, Frank M., and K. Daugirdas, to National Pneumatic Co., Inc. Push door mechanism. 3,000,361, 9–19–61, Cl. 121—44.

Delany, John J., and E. C. Baisel, to Delany Realty Corp. Electrically operated flush valve. 3,011,751, 12–5–61, Cl. 251—30.

Delany Realty Corp.: *See*—
Delany, John J., and Baisel. 3,011,751.

Delaplace, Rene P., and M. A. G. Koehler. Friction element containing cupric oxide and resin binder. 2,973,336, 2–28–61, Cl. 260—38.

De La Rue, Thomas, & Co. Ltd.: *See*—
Chybinski, Karol. 3,003,414.
Knops, Ivan P., and Newman. 3,008,408.
Newman, Pete H., and Camps. 3,007,407.

Delas, Jeanne F. L. Apparatus for the collection and picking-up of articles entrusted for services. 2,986,328, 5–30–61, Cl. 232—43.1.

Delasanta, Armando C.: *See*—
Miles, Thomas D., Hoffman, and Delasanta. 2,993,746.

De la Tour, Roger B., to Lear, Inc. Transistor current regulator. 2,978,630, 4–4–61, Cl. 323—4.

De la Tramerye, Raymond, to Societe Anonyme Tubest. Flexible spiral twisted saw. 2,988,118, 6–13–61, Cl. 143—133.

De Laval Steam Turbine Co.: *See*—
Birmann, Rudolph. 2,968,914.

Delavan Mfg. Co.: *See*—
Burgess, Paul D., and Rothwell. 2,969,925.

Delbag-Luftfilter G.m.b.H.: *See*—
Neumann, Gerhard M. 2,966,959.
Neumann, Gerhard M. 2,980,208.
Wittemeier, Hans-Joachim, and Becker. 2,988,168.

Delcamp, Robert M.: *See*—
Schubert, Adolf, Cohen, Delcamp, and Lollar. 2,975,018.

Del Chiocca, Frank, to McNab, Inc. Combination valve and conductivity assembly. 2,985,821, 5–23–61, Cl. 324—30.

Del Conte, Robert I. Cord storage and length adjusting device. 2,991,523, 7–11–61, Cl. 24—71.2.

De Leone, Ruggero: *See*—
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Del Faro, Gordon P., R. E. Moline, and J. M. Conaway; said Moline assor. to said Del Faro. Draper hardware. 2,980,946, 4–25–61, Cl. 16—87.8.

Delfel, Norman E., to Esso Research and Engineering Co. Oil compositions having reduced foaming tendencies. 2,972,579, 2–21–61, Cl. 252—33.4.

Delfini, Alberto, and R. Reali, to Soc. r. l. Attrezzature e Dispositivi per annunci Reclamistici-A.D.A.R. Billboard with movable figures. 3,013,352, 12–19–61, Cl. 40—30.

Delfs, Detlef: *See*—
Mersch, Rudolf, and Delfs. 2,985,688.
Schultheis, Heinz, Kallert, Nordt, and Delfs. 3,012,991.

Delfs, Detlef, and K. Wedemeyer, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of hydroxyarylalkyl thioethers. 2,995,608, 8–8–61, Cl. 260—609.

Delfs, Heinz H. F., and K. Vogtlin, to Kienzle Apparate G.m.b.H. Autographic recorder arrangement. 3,004,818, 10–17–61, Cl. 346—49.

Delgado, Manuel M., to The Vendo Co. Hot beverage mixing and vending machines. 2,977,026, 3–28–61, Cl. 222—129.4.

Delia, Nicola. Leg rest. 3,007,739, 11–7–61, Cl. 297—439.

De Liban, Robert. Guidance systems. 3,009,525, 11–21–61, Cl. 180—82.

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De Limon Fluhme & Co.: *See*—
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De Lisle, Raymond P., and W. G. Gilchrist, to Whirlpool Corp. Dispenser for laundry machine. 2,976,879, 3–28–61, Cl. 137—132.

Delius, Hermann, and W. Becker, to Reichhold Chemicals, Inc. Unsaturated polyester resins which cure in the presence of air, and to a process of preparing the same. 3,006,876, 10–31–61, Cl. 260—22.

Delk, Eugene P., Jr. Vial. 2,969,160, 1–24–61, Cl. 215—41.

Delk, James E., Sr. Warming rack for toasters. 2,980,011, 4–18–61, Cl. 99—339.

Delker, William E. Control stitching needle. 2,983,138, 5–9–61, Cl. 73—88.

Dell, Manuel B., and V. M. Stowe, to Aluminum Co. of America. Utilization of low-temperature tars. 2,967,815, 1–10–61, Cl. 208—2.

Dell, Manuel B., and P. T. Stroup, to Aluminum Co. of America. Utilization of low-temperature tars. 2,983,665, 5–9–61, Cl. 208—39.

Dell, Owen K.: *See*—
Eldib, Ibrahim A., and Dell. 2,998,366.

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Dell, Thomas, 50% to Palizzio, Inc. Apparatus for pressing the bottom heel region of a lasted upper. 2,977,610, 4–4–61, Cl. 12—53.5.

Dell, William T., and J. C. Leitch, to Samuel M. Dell Co., Inc. Merchandise display device. 2,996,192, 8–15–61, Cl. 211—49.

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Dellagala, Sabato. Ornamental metal railing. 2,976,018, 3–21–61, Cl. 256—21.

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Deller, Konrad, to Alweg-Forschung G.m.b.H.-Koln. Track constructions for monobeam type railways. 2,993,647, 7–25–61, Cl. 238—122.

De Llerena, Mercedes K.: *See*—
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Delmag-Maschinenfabrik Reinhold Dornfeld: *See*—
Lang, Anton. 2,991,765.
Lang, Anton. 2,996,054.

Delman Co., The: *See*—
Neufeld, Leonard C. 2,968,058.
Webb, Edmond F. 2,970,335.
Webb, Edmond F. 2,970,336.
Webb, Edmond F. 3,000,033.
Webb, Edmond F. 3,000,034.
Webb, Edmond F. 3,005,222.

Del Mar, Bruce E., to Douglas Aircraft Co., Inc. Cabin pressure control. Re. 24,990, 5–23–61, Cl. 98—1.5.

Delmar Chemicals, Ltd.: *See*—
Klosa, Josef. 3,002,979.

Del Mar Engineering Laboratories: *See*—
Hopper, Robert J., and Lolmaugh. 3,010,103.
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Thornton, William E. 2,971,274.
Thornton, William E. 2,983,915.

Delmar, Geza S., to Whitmoyer Laboratories, Inc. Manufacture of P-ureidobenzenearsonic acid. 2,981,745, 4–25–61, Cl. 260—443.

Delmar, Roger A., to The Firestone Tire & Rubber Co. Tire manufacture. 2,978,749, 4–11–61, Cl. 18—17.

Delmas, André, to Solvay & Cie. Process and device for the removal of a precipitate from a rotary filter. 2,997,176, 8–22–61, Cl. 210—67.

Delmonte, John, and F. N. Hirosawa, to Furane Plastics Inc. Epoxy resin composition having high heat stability. 2,967,843, 1–10–61, Cl. 260—37.

Delmonte, John, and W. J. Dewar, to Furane Plastics Inc. Epoxy resin compositions and method., 2,994,685, 8–1–61, Cl. 260—47.

De Loach, Bernard C., Jr., to Bell Telephone Laboratories, Inc. Step-twist junction waveguide filter. 2,968,771, 1–17–61, Cl. 333—73.

Delong, Armin, V. Drahos, and J. Speciálný, to Tesla, narodni podnik. Diaphragm for limiting the field of view of three-stage electron microscopes. 2,993,993, 7–25–61, Cl. 250—49.5.

De Long Corp.: *See*—
Lucas, Joseph E. 3,001,592.
Lucas, Joseph E. 3,001,595.
Rasmussen, David H., and Suderow. 2,992,812.
Showalter, Robert N., De Long, and Suderow. 2,976,693.
Suderow, George E. 2,970,445.
Suderow, George E. 2,970,446.
Suderow, George E. 2,972,234.
Suderow, George E. 2,976,692.
Suderow, George E. 2,984,075.
Suderow, George E. 2,997,852.
Suderow, George E. 3,000,205.
Suderow, George E. 3,001,593.
Suderow, George E. 3,001,594.
Suderow, George E. 3,007,317.
Suderow, George E. 3,013,396.

De Long, Herbert K., and D. E. Ritzema, to The Dow Chemical Co. Corrosion resistance of electroless nickel plate. 2,975,073, 3–14–61, Cl. 117—71.

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De Long, Vincent R., and W. D. Rodes, to Collins Radio Co. Automatic transmitter gain control circuit. 3,013,148, 12-12-61, Cl. 250—17.
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Timpner, Fred F., De Lorean, and Miller. 2,980,441.
De Lorean, John Z., to General Motors Corp. Transmission. 2,968,197. 1-17-61, Cl. 74—688.
De Lorean, John Z., to General Motors Corp. Swing axle suspension for vehicle driving wheels. 2,968,358. 1-17-61, Cl. 180—73.
De Lorean, John Z., to Studebaker-Packard Corp. Transmission. 2,982,152. 5-2-61. Cl. 74—688.
De Lorean, John Z., to General Motors Corp. Transmission. 3,009,368, 11-21-61, Cl. 74—677.
De Lorean, John Z., to General Motors Corp. Simulated low pivot swing axle suspension. 3,011,578, 12-5-61, Cl. 180—73.
De Lorenzi, Ezio P.: *See*—
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De Lorenzo, Eugene J., and J. P. Faust, to Olin Mathieson Chemical Corp. Preparation of liquid reaction products of diborane and diolefin hydrocarbons. 2,977,389, 3-28-61, Cl. 260—606.5.
Delorme, Jean, to Compagnie des Ateliers et Forges de la Loire (St. Chamond, Firminy, St. Etienne, Jacob-Holtzer). Free-piston gas generators. 3,010,472, 11-28-61, Cl. 137—340.
De Los Rios, Roberto J.: *See*—
Mendoza, Lorenzo E., and De Los Rios. 3,005,083.
Delp, William G.: *See*—
Carbonara, Victor E., and Delp. 3,013,248.
Del Pesco, Andrew, and R. B. Hopgood, to The Danielson Mfg. Co. Soft faced hammer. 2,989,102, 6-20-61, Cl. 145—36.
Delphenich, John S., to Dow Corning Corp. Organosiloxane coating composition of improved thermal and chemical stability. 2,999,078, 9-5-61, Cl. 260—22.
Delponte, Gerardo, and D. Giannitrapani, to Ing. C. Olivetti & C., S.p.A. Type bar head with detachable type members for typewriters and the like. 2,975,881, 3-21-61, Cl. 197—36.
Delron Co., Inc., The: *See*—
Cushman, Kenneth V. 2,967,593.
Cushman, Kenneth V., and Pagel. 3,008,552.
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Del Signore, James R.: *See*—
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Delta Engineering Corp.: *See*—
Cleveland, Eric G., and Standley. Re. 25,013.
Klapes, Michael C. 3,001,636.
Delta Tank Mfg. Co.: *See*—
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Delta Welder Corp.: *See*—
Day, Harry E. 3,004,138.
Deltime, Inc.: *See*—
Powell, Albert E. 2,971,171.
Deltuvia, Andrew A., Jr.: *See*—
Callaway, William B., and Deltuvia. 2,989,910.
De Luca, Louis. Wheel hub and axle construction. 2,988,408. 6-13-61, Cl. 308—191.
De Lukawiecki, Eugene A. Method of reproducing bilingual sound motion picture film. 3,003,390, 10-10-61, Cl. 88—16.2.
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Dumbauld, Lewis D. 2,986,352.
Rugg, Gerard B. 2,990,497.
Scholten, William D. 3,011,729.
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Delvaux, Arthur L. Prestretched coiled spring for installation without tools. 3,014,711. 12-26-61. Cl. 267—1.
Del Vecchio, Guy W. Fluid operated sweeper. 3,008,159. 11-14-61, Cl. 15—1.7.
Demag-Elektrometallurgie G.m.b.H.: *See*—
Lunig, Hermann. 2,976,453.
Meffert, Walter. 2,982,534.
Reschke, Carl. 2,982,804.
Tostmann, Johannes. 2,968,685.
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Demagny, Daniel. Attachment for folding machine. 2,969,234. 1-24-61, Cl. 270—80.
Demaison, Raymond J., to Quigley Co., Inc. Spray nozzles. 2,997,244. 8-22-61, Cl. 239—598.
Demaison, Raymond J., to Quigley Co., Inc. Open hearth tap hole repairing form. 3,012,299. 12-12-61. Cl. 25—118.
De Makay, Nicolas. Powder-making. 3,010,149, 11-28-61, Cl. 18—12.
Demaline, Donald R. Outdoor game. 2,993,696, 7-25-61, Cl. 273—95.
De Mallie, Howard R., to Eastman Kodak Co. Method and apparatus for forming connected boxes. 2,968,137, 1-17-61, Cl. 53—14.
Demanuele, Frederick. Vibratory toothbrush. 2,977,614, 4-4-61, Cl. 15—22.
De Marchi, Vincent S.: *See*—
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De Marchi, Vincent S., to Interchemical Corp. Variable velocity diffuser. 2,972,299, 2-21-61, Cl. 101—349.
De Marchi, Vincent S., A. E. Gessler, and W. Van Kirk, to Interchemical Corp. Method of viscosity control in printing. 2,972,298, 2-21-61, Cl. 101—211.
De Marchi, Vincent S., A. E. Gessler, and W. Van Kirk, to Interchemical Corp. Method and apparatus for printing ink. 2,972,303, 2-21-61, Cl. 101—426.
De Marco, Robert F., to The Cyril Bath Co. Rapid cycle stretch and wipe forming machine. 2,986,194, 5-30-61, Cl. 153—32.
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De Maria, John, to Chemical Products Corp. Method for fabricating a relief printing plate. 2,977,227, 3-28-61, Cl. 96—35.
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De Maria, Irma and V. 2,976,149.
De Martin, Charles: *See*—
Burgert, Harold E. 2,967,428.
Demartres, Jean G., to Compagnie Industrielle des Telephones. System for automatically charging telegraph communications. 2,993,085, 7-18-61, Cl. 178—2.
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De Masi, Ernest and A., to De Masi Schematics, Inc. Arrangement of layouts. 2,996,802, 8-22-61, Cl. 33—1.
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De Mathe, Leslie L., to de Mathe-Walker. Memorandum calendar. 2,990,638, 7-4-61, Cl. 40—120.
De Mathe-Walker: *See*—
De Mathe, Leslie L. 2,990,638.
De Matteo, Adolph J., to Farrel-Birmingham Co., Inc. Extrusion tools for non-circular sections. 2,969,874. 1-31-61, Cl. 207—17.
De Matteo, Adolph J., to Farrel-Birmingham Co., Inc. Dummy block detector for extrusion presses. 2,976,991, 3-28-61, Cl. 207—1.
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Dembrow, Daniel W.: *See*—
Berl, Walter G., and Dembrow. 2,993,767.
Demchock, Louis A., Sr.: *See*—
Lohrey, Edwin J., and Demchock. 2,984,266.
De Melo, Adorico C. Dog muzzle. 3,000,351. 9-19-61. Cl. 119—130.
De Ment, Jack. Composition for smoke production. 2,995,526. 8-8-61. Cl. 252—305.
Demer, Frederick M., and R. G. Mork, to International Business Machines Corp. Record comparing reader. 2,975,965, 3-21-61, Cl. 235—61.7.
Demer, Frederick M., R. H. Harrington, and A. T. Shalkey, to International Business Machines Corp. Chain printer. 2,990,767, 7-4-61, Cl. 101—93.
Demer, Frederick M., and E. J. Grenchus, to International Business Machines Corp. High speed printer apparatus. 2,993,437. 7-25-61, Cl. 101—93.
De Mestral, George, to International Velcro Co., Estab. Separable fastening device. 3,009,235, 11-21-61, Cl. 28—78.
Demeter, Laszlo, to Licencia Talamanyokat Ertekesito Vallalat. Chamber filter presses. 2,989,187, 6-20-61, Cl. 210—227.
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Van Overbeek, Adrianus J. W. M., and De Miranda. 3,001,077.
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Demitrak, Stephen. Automatic tube labelling machine. 2,993,613, 7-25-61. Cl. 216—55.
Demler, Henry W., to AMP Inc. Hand tool for crimping electrical connectors onto conductors. 2,968,043, 1-17-61, Cl. 1—215.
Demler, Henry W., to AMP Inc. Hand crimping tool. 3,001,426, 9-26-61, Cl. 81—15.
Demler, Ray C., to International Packaging Corp. Carton packaging machine for sheets. 2,974,461, 3-14-61, Cl. 53—388.
Demmel, Georg, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Method of and apparatus for producing communication cables. 2,990,672, 7-4-61, Cl. 57—34.
Demmler, John N., and J. T. Redin, to Demmler Mfg. Co. Core blowing apparatus. 3,007,215, 11-7-61, Cl. 22—10.

Demmler, Kurt: *See*—
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Demo, Max J., to J. Morris, d.b.a. DeMor Engineering Co. Drill hammer. 2,974,533, 3–14–61, Cl. 74—22.
Demo, Max J., to J. Morris. Reciprocating core drill. 2,998,086, 8–29–61, Cl. 175—138.
De Mocskonyi, Erwin S.: *See*—
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De Mong, Maurice D., to United States of America, Navy. Electronic differential computer. 3,011,705, 12–5–61, Cl. 235—92.
De Monterey, Francis G. A.; and M. J. Zurlo, to General Electric Co. Method of rendering cellulosic material nonadherent and article produced thereby. 2,985,544, 5–23–61, Cl. 117—143.
De Montigny, Raimbault M. A. T., to The Pulp & Paper Research Institute of Canada. Apparatus for making formed fibrous webs. 2,995,186, 8–8–61, Cl. 162—295.
De Montmollin, Rene, and H. Riat, to Ciba Ltd. New monoazo-dyestuffs. 2,973,351, 2–28–61, Cl. 260—199.
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De Morelos, Lorenzo-Antonio. Expanding attachment for watch bands. 2,986,795, 6–6–61, Cl. 24—265.
Demorest, Frank E., to Ford Motor Co. Motor vehicle brake. 2,969,855, 1–31–61, Cl. 188—106.
Demos, Peter T. Pipette control device. 2,994,349, 8–1–61, Cl. 141—21.
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Dempcy, Donald F., and J. M. Rule, to E. I. du Pont de Nemours & Co. Process of impregnating paper with silica sols. 2,980,558, 4–18–61, Cl. 117—152.
Dempcy, Donald F., to E. I. du Pont de Nemours and Co. Coating painted surfaces with a silica sol. 3,013,898, 12–19–61, Cl. 117—49.
Dempsey, Arthur E., Jr. Evaporative condenser. 2,995,018, 8–8–61, Cl. 62—305.
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Chambers, Burl D. 2,978,126.
Dempster, George R., and Herpich. 2,973,111.
Dempster, George R., and Herpich. 2,978,122.
Dempster, George R., and Herpich. 2,989,200.
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Dempster, George R., and Jones. 3,006,490.
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Dempster, George R. Leakproof sump-type containers. 2,978,139, 4–4–61, Cl. 220—32.
Dempster, George R., and W. A. Herpich; said Herpich assor. to Dempster Brothers, Inc. Compaction bodies. 2,973,111, 2–28–61, Cl. 214—82.
Dempster, George R., and W. A. Herpich, said Herpich assor. to Dempster Bros., Inc. Transporting equipment. 2,978,122, 4–4–61, Cl. 214—75.
Dempster, George R., H. W. Jones, and W. A. Herpich, said Jones and said Herpich assors. to Dempster Bros., Inc. Transporting and dumping equipment. 2,980,268, 4–18–61, Cl. 214—75.
Dempster, George R., and W. A. Herpich; said Herpich assor. to Dempster Bros., Inc. Drop bottom containers. 2,989,200, 6–20–61, Cl. 214—317.
Dempster, George R., and H. W. Jones; said H. W. Jones, assignor to Dempster Bros., Inc. Fork trucks. 3,006,490, 10–31–61, Cl. 214—317.
Dempster, George R., and W. A. Herpich, said Herpich assor. to Dempster Brothers, Inc. Front end loaders. 3,011,666, 12–5–61, Cl. 214—302.
Dempster Mill Mfg. Co.: *See*—
Loeber, Herman M. 2,968,255.
Loeber, Herman M. 3,007,349.
Dempster, Robert, and Sons Ltd.: *See*—
Moore, David B., and Cook. 2,983,573.
Demsyk, Paul. Method of forming artificial vascular members. 2,990,605, 7–4–61, Cl. 28—76.
De Mull, Harry J.: *See*—
Davis, William H., Jr., De Mull, and Proto. 3,001,070.
Demuth, Hans: *See*—
Pfarrwaller, Erwin, and Demuth. 2,972,361.
Demuth, Johannes. Elevator for roofing material. 2,975,839, 3–21–61, Cl. 182—214.
Demuth, Walter, to Maag Gear Wheel & Machine Co. Ltd. Compensating device for table drives in gear-machining machines. 3,007,346, 11–7–61, Cl. 74—427.
De Mytt, Louis E., to The Gillette Co. Permanent waving agent. 2,976,216, 3–21–61, Cl. 167—87.1.
De Napoli, Anthony C., Jr.: *See*—
Mason, Emerson B., and De Napoli. 2,969,268.
De Napoli, Anthony C., and E. E. Williamson, to Motorola, Inc. Television receiver. 2,970,311, 1–31–61, Cl. 340—367.
Denbe Engineering and Sales Co., Inc.: *See*—
Kauffman, Robert D. 2,975,481.
Denbo, Albert F., and J. W. Schwier, to Denbo Engineering and Sales Co., Inc. One-piece radial flow air moving device. 2,991,004, 7–4–61, Cl. 230—134.
Denbo Engineering and Sales Co., Inc.: *See*—
Denbo, Albert F., and Schwier. 2,991,004.
Dence, Allen. Power line stringing apparatus. 2,973,940, 3–7–61, Cl. 254—134.3.
Dench, Edward C.: *See*—
Brown, William C., and Dench. 2,977,502.
Dench, Edward C., to Raytheon Co. Grid controlled magnetrons. 2,967,264, 1–3–61, Cl. 315—39.63.
Dench, Edward C., to Raytheon Co. Traveling wave tube electrode mountings. 2,971,112, 2–7–61, Cl. 315—3.5.
Dench, Edward C., to Raytheon Co. Magnetron amplifiers. 2,971,121, 2–7–61, Cl. 315—39.3.
Dench, Edward C., to Raytheon Co. Magnetron oscillators. 2,984,763, 5–16–61, Cl. 315—39.3.
Dench, Edward C., to Raytheon Co. Magnetron oscillators. 3,005,129, 10–17–61, Cl. 315—39.3.
De Neergaard, Leif E., deceased, by The Northern Trust Co., executor, to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, and N. S. Parker, trustees. Position indicating ayatem. 2,996,625, 8–15–61, Cl. 250—225.
De Net, Robert W.: *See*—
Zaugg, Harold E., and De Net. 2,971,955.
De Neui, Richard P., A. C. Dickerson, J. H. Casey, and W. C. Larsen, to Minnesota Mining and Mfg. Co. Application of tape to moving objects. 2,990,081, 6–27–61, Cl. 216—21.
De Neve, Egide. Gun holster. 2,985,347, 5–23–61, Cl. 224—1.
Dengle, Sydney H., to Meredith Publishing Co. Automatic defective article ejector apparatus. 2,993,591, 7–25–61, Cl. 209—74.
De Nicolo, William V., to North & Judd Mfg. Co. Ram guide for hook and eye member setting machines. 2,970,315, 2–7–61, Cl. 1—325.
Denig, Fred, to Koppers Co., Inc. Carbonization of lignite. 2,970,953, 2–7–61, Cl. 208—8.
Denington, Robert J.: *See*—
Martin, Cecil G., and Denington. 3,007,306.
Denis, Albert P., and M. D. Sullivan, administratrix of the estate of A. P. Denis, deceased. Hydraulically operated, mechanically powered safety brake system. 2,979,167, 4–11–61, Cl. 188—141.
De Nisco, Daniele. Method of using a musical toy. 2,968,890, 1–24–61, Cl. 46—179.
Denison, Frank G., Jr., to California Institute Research Foundation. Rocket motor shell construction. 2,968,918, 1–24–61, Cl. 60—35.6.
Deniston, William L., to Fairchild Camera and Instrument Corp. Continuously variable resistance apparatus. 2,985,859, 5–23–61, Cl. 338—125.
Denk, Walter: *See*—
Messwarb, Günter, Denk, and Scherer. 2,971,948.
Denkewalter, Robert G., and J. Gillin, to Merck & Co., Inc. Antibiotic adsorption process. 3,000,792, 9–19–61, Cl. 195—80.
Denkowski, Walter J., and S. I. Caldwell, to Philadelphia Gear Corp. Valve actuating mechaniam. 2,989,878, 6–27–61, Cl. 74—625.
Denman, Donald R., to Deere & Co. Fertilizer distributor. 2,983,490, 5–9–61, Cl. 259—136.
Denman, Henry O., Jr.: *See*—
Penn, Ralph S., and Denman. 2,970,769.
Denman, Stephen A.: *See*—
Bunker, Ward, Denman, and May. 2,972,390.
Denman, Stephen A., to Rubber-Seal Products Co., Inc. Dispensing device for relatively thick liquids. 3,012,699, 12–12–61, Cl. 222—341.
Denman, Stephen A., and W. Bunker, to General Motors Corp. Hydraulic road speed control. 2,976,946, 3–28–61, Cl. 180—82.1.
Dennehy, Gerald: *See*—
Makowski, Jerzy, and Dennehy. 2,983,116.
Denner, Helmut. System for the remote control of toys. 2,974,441, 3–14–61, Cl. 46—244.
Dennerlein, William H.: *See*—
Schladermundt, Peter, Dennerlein, and Simons. 2,973,859.
Denney, Ralph E., ⅔ to Philip Ganson. Rotary power mower. 3,002,331, 10–3–61, Cl. 56—25.4.
Dennis, Clarence A. Chimney liner construction device. 3,006,054, 10–31–61, Cl. 25—131.
Dennis, Clement O., and W. C. Shaver, to Precision Recapping Equipment Co. Curing rims. 2,988,780, 6–20–61, Cl. 18—45.
Dennis, Clement O., and W. C. Shaver, to Precision Recapping Equipment Co. Ring type matrix. 2,996,760, 8–22–61, Cl. 18—18.

Dennis, Clement O., and W. C. Shaver, to Poplar Foundries, Inc. Method and means for molding core members. 3,004,313, 10–17–61, Cl. 22—194.

Dennis, David H., to Specialties Development Corp. Cooling apparatus. 2,990,699, 7–4–61, Cl. 62—511.

Dennis, Ezekiel D. Foot rest attachment for barber chairs. 2,971,571, 2–14–61, Cl. 155—172.

Dennis, Hardy B. and R. M. Workpiece holder. 2,995,357, 8–8–61, Cl. 269—134.

Dennis, James R. Record recording and playing device. 3,000,638, 9–19–61, Cl. 274—13.

Dennis, Leonard J., to D. Napier & Sons Ltd. Blades and blade mounting assemblies for turbines and axial flow compressors. 2,967,043, 1–3–61, Cl. 253—77.

Dennis, Leonard J., to D. Napier & Son Ltd. Method of making hollow turbine blades. 2,979,809, 4–18–61, Cl. 29—156.8.

Dennis, Ralph E. Binder unit. 3,003,503, 10–10–61, Cl. 129—24.

Dennis, Robert M.: *See*—
Dennis, Hardy B. and R. M. 2,995,357.

Dennis, Samuel S., 3rd., Trustee: *See*—
Thaden, Herbert V. 2,980,454.

Dennis, William E., and P. A. Lindley, to The General Electric Co. Ltd. Nuclear reactors. 2,985,575, 5–23–61, Cl. 204—193.2.

Dennison, Alan J.: *See*—
Loewengart, Justin, Dennison, Wachenheimer, and Kaufman. 2,966,749.

Dennison, David H., to United States of America, Atomic Energy Commission. Yttrium decontamination. 3,009,807, 11–21–61, Cl. 75—84.

Dennison, Edward S.: *See*—
Cable, Lelan B., Jr., and Dennison. 2,985,467.

Dennison, Lee B. Method for producing simulated hand-split shakes. 2,987,088, 6–6–61, Cl. 144—326.

Dennison Mfg. Co.: *See*—
Flood, Carl A. 2,981,432.
Long, William J. 2,969,865.
McDermott, William J. 2,999,626.
Shepherd, Ridgley G., Jr. 2,989,413.
Shepherd, Ridgley G., Jr. 2,990,311.
Swett, Alan M. 2,968,236.

Dennison, William T., to United Aircraft Corp. Labyrinth face seal plate. 2,990,202, 6–27–61, Cl. 286—19.

Denniston, James L., to North American Aviation, Inc. Actuating means. 2,996,047, 8–15–61, Cl. 121—41.

Denniston, James L., to North American Aviation, Inc. Aircraft control system. 3,011,741, 12–5–61, Cl. 244—83.

Denny, John P., E. D. Savre, and W. F. Zimmerman, to General Electric Co. Clad cermet body. 2,994,124, 8–1–61, Cl. 29—183.5.

Denny, Marlene, and C.-W. Liao, to The Standard Oil Co. Method for preparing a gasoline additive containing boron and phosphorus. 3,013,046, 12–12–61, Cl. 260—461.

De-Noc Chemical Arts, Inc.: *See*—
Reese, Thomas S. 3,010,861.

De Nola, Leone A. Reinforced carton. 3,003,676, 10–10–61, Cl. 229—34.

Denominator Co., Inc., The: *See*—
Lapointe, Lloyd J. 3,006,546.

Densco, Inc.: *See*—
Flatray, Raymond L. 2,977,682.

Densmore, Neal W., to Joy Mfg. Co. Mining and loading machine. 2,973,949, 3–7–61, Cl. 262—9.

Densmore, Neal W., to Joy Mfg. Co. Mining machine having tiltable dual mining head. 2,986,384, 5–30–61, Cl. 262—19.

Densmore, Neal W., to Joy Mfg. Co. Mining machine having a plurality of dislodging rotors. 2,986,385, 5–30–61, Cl. 262—9.

Densmore, Neal W., to Joy Mfg. Co. Mining and loading machine having angularly related rotary disintegrators. 3,000,620, 9–19–61, Cl. 262—19.

Densmore, Richard M.: *See*—
Brock, Vestle E. 3,010,339.

Denst, Alexander A.: *See*—
Koch, Leonard J., Rice, Denst, Rogers, and Novick. 3,011,962.

Dent, Eric: *See*—
Schad, Robert D. 3,004,291.

Dent Hardware Co., The: *See*—
Herman, William B. 2,969,999.

Denton, Richard A., to The New York Air Brake Co. Trapping device. 2,984,314, 5–16–61, Cl. 183—4.

Denton, Roy V.: *See*—
Johnson, Paul H., Denton, and Eberline. 2,977,323.

Denton, William I., to Olin Mathieson Chemical Corp. Production of pyridine. 2,972,615, 2–21–61, Cl. 260—290.

Denton, William I., to Olin Mathieson Chemical Corp. Production of pyridine. 2,972,616, 2–21–61, Cl. 260—290.

Denton, William I., to Olin Mathieson Chemical Corp. Preparation of pyridine. 2,979,510, 4–11–61, Cl. 260—290.

Denton, William I., to Olin Mathieson Chemical Corp. Isomerization of an alkylene oxide to the corresponding alcohol. 2,986,585, 5–30–61, Cl. 260—632.

Denton, William R., to The W. E. Bassett Co. Bubble package. 2,993,590, 7–25–61, Cl. 206—78.

D'Entremont, Franklin R.: *See*—
Pfuntner, Richard A., and D'Entremont. 3,001,163.

Denver Chemical Mfg. Co., The: *See*—
Brent, Bernard J. 2,977,230.

Denver Equipment Co.: *See*—
Daman, Arthur C. 3,001,730.
Finney, John H. V., Jr. 2,969,878.

Denver Machinery Co. (Proprietary) Ltd., The: *See*—
Russell, Ian D. 2,983,382.

Denver and Rio Grande Western Railroad Co., The: *See*—
Schmidt, Joseph J., and Bardwell. 2,992,342.

Denza, John: *See*—
Smith, James T., and Denza. 2,979,233.

Densinger, Stanley E.: *See*—
Knox, William C., and Denzinger. 2,987,245.

Denzler, Emil, to H. A. Schlatter A.G. Spot welding machine. 2,998,506, 8–29–61, Cl. 219—89.

De Palma, Gioacchino: *See*—
Vallarelli, Giacobbe, and de Palma. 2,984,299.

De Paola, Anthony J.: *See*—
Wearsch, Norman C., and De Paola. 3,002,017.

Department of Mines: *See*—
MacEwan, James U. 2,972,517.

De Pasquale, Patrick J. Method of producing frozen comestibles. 2,975,732, 3–21–61, Cl. 107—54.

De Paul, Alseno S., and W. H. Morse, to Westinghouse Electric Corp. Base member support means for dynamoelectric machines. 2,970,236, 1–31–61, Cl. 310—91.

De Pauw, Alfons J., and H. E. Baekelmans, to Gevaert Photo-Producten N.V. Preparation of photographic emulsions. 2,982,652, 5–2–61, Cl. 96—94.

De Pauw, Alfons J., and R. M. Hart, to Gevaert Photo-Producten N.V. Preparation of silver halide emulsions. 3,000,741, 9–19–61, Cl. 96—114.

De Pew, Chester C.: *See*—
Gaines, John R. and C. F., De Pew, and Carry. 2,997,136.

De Pew, Chester C., to Chester Corp. Filler cap assembly. 2,967,637, 1–10–61, Cl. 220—24.5.

Depew, Harlan A., to American Zinc Lead & Smelting Co. Processes for the tanning of hides using zinc compounds. 3,000,689, 9–19–61, Cl. 8—94.25.

De Pew, William G., to The Anderson Co. Wiper blade assembly. 2,983,945, 5–16–61, Cl. 250—42.

Depiano, Francisco G. Top member for wood step ladders. 3,010,535, 11–28–61, Cl. 182—129.

De Pierri, William G., Jr.: *See*—
Earhart, Harold W., and De Pierri. 2,973,391.

De Pierri, William G., Jr., and H. W. Earhart, to Esso Research and Engineering Co. Selective precipitation of bis (chloromethyl) durene from toluene. 3,004,078, 10–10–61, Cl. 260—651.

De Pietro, Richard A.: *See*—
MacDonald, Dennison H., and De Pietro. 3,002,384.

Depp, Marlin C., to Sperry Rand Corp. Synchro servosystem two-cycle error compensator. 2,974,264, 3–7–61, Cl. 318—30.

De Prado, John R., to Sperry Rand Corp. Helix winding machine. 3,007,510, 11–7–61, Cl. 153—67.

De Pree, David O., to Ethyl Corp. Manufacture of organic acids, esters and salts. 3,014,069, 12–19–61, Cl. 260—526.

De Prez, Charles, to Solvay & Cie. Process of halogenation. 3,006,974, 10–31–61, Cl. 260—656.

De Priester, Coral L., and J. A. Heinz, to California Research Corp. Fuel control system for borehole heaters. 3,012,607, 12–12–61, Cl. 166—39.

De Prisco, Carmine F.: *See*—
Jones, James B., De Prisco, and Elmore. 2,985,954.

De Prisco, Carmine F., to Sonobond Corp. Method and apparatus for bonding metals. 3,002,270, 10–3–61, Cl. 29—470.

Deputy, Sherrill S., to Godfrey Conveyor Co., Inc. Conveyor unit. 3,000,521, 9–19–61, Cl. 214—83.2.

De Puydt, Frank A., and R. C. Silver, to DICO Corp. Automatic brake for trailer vehicle. 2,973,839, 3–7–61, Cl. 188—112.

De Quant, Hans, to North American Philips Co., Inc. Low-frequency amplifier. 3,001,149, 9–19–61, Cl. 330—143.

De Ramaix, Maurice A., and J. Jaeken, to Gevaert Photo-Producten N.V. Production of colored photographic images. 3,012,884, 12–12–61, Cl. 96—9.

De Ramaix, Maurice A., and J. Jaeken, to Gevaert Photo-Producten N.V. Production of color photographic images. 3,013,879, 12–19–61, Cl. 96—9.

Derby, Norwin C., to Texaco Inc. Method of determining the efficiency of cutting fluids. 2,987,670, 6–6–61, Cl. 324—65.

Derby Ralph F., Sr. Portable device for making rubber printing plates. 2,968,063, 1–17–61, Cl. 18—5.

Derbyshire, Raymond J. F.: *See*—
Barrow, Christopher W. M., and Derbyshire. 2,982,925.

Derderian, Edward J. Carton opening machine. 2,968,226, 1–17–61, Cl. 93—53.

Derderian, Edward J., and C. E. Cole. Article sizing machine. 3,002,618, 10–3–61, Cl. 209—102.

Derdowski, Richard N. Toy submarine. 3,010,251, 11–28–61, Cl. 46—94.

De Rees, Delbert D.: *See*—
Contant, Peter R., Gute, Reese, Schmitz, Fox, and De Rees. 2,985,024.

Dereich, John E., to Diamond Alkali Co. Aerosol sprayable compositions. 3,012,980, 12–12–61, Cl. 260—22.

De Remer, John B. Automatic vehicle decelerating apparatus. 2,991,839, 7–11–61, Cl. 180—82.

De Remer, John B., A. J. Sipe, and R. D. Beebe, assors. of small interests to various assignees. Tilt-responsive mercury switch for automatic brake control for automotive vehicles. 3,011,040, 11–28–61, Cl. 200—152.

De Remer, John B., A. J. Sipe, and R. D. Beebe, small interest to various assignees. Automatic brake control for automotive vehicles. 3,013,624, 12–19–61, Cl. 180—82.

Dereng, Roman: *See*—
Cushing, Richard W., and Dereng. 2,969,543.

Derfler, Heinrich, to Cerberus G.m.b.H. Method and system for the electric determination of aerosols in a gas. 2,994,-768, 8–1–61, Cl. 250—43.5.

Derham, Philip A., to Wilkening Mfg. Co. Toy. 3,005,286, 10–24–61, Cl. 46—221.

Derichs, Fritz, W. Franke, and W. Stumpf, to Chemische Werke Huls Aktiengesellschaft. Process for the production of 1,2,4-trivinylcyclohexane. 2,967,895, 1–10–61, Cl. 260—666.

De Ridder, Ernst J., to Reynolds Metals Co. Structure for detachably mounting articles to be exhibited. 2,979,842, 4–18–61, Cl. 40—156.

De Rijcke, Norbert C. Hatching drawers. 3,003,463, 10–10–61, Cl. 119—43.

Derman, Sam. Knockdown wardrobes. 2,970,875, 2–7–61, Cl. 312—262.

Dermond, Lawrence C., to General Motors Corp. Fuel injection system. 2,988,342, 6–13–61, Cl. 261—23.

Dermond, Lawrence C., to General Motors Corp. Temperature controlled accelerator pump. 3,008,697, 11–14–61, Cl. 261—34.

Dermond, Lawrence C., and N. G. Bruinsma, to General Motors Corp. Choke actuating mechanism. 3,013,544, 12–19–61, Cl. 123—119.

Dern, Joseph: *See*—
Elliott, Everett E. 2,991,680.

Derndinger, Hans-Otto: *See*—
Bensinger, Wolf-Dieter, and Derndinger. 3,002,507.

De Rosa, Louis A., and L. G. Fischer, to International Telephone and Telegraph Corp. Radio direction finder. 3,007,-163, 10–31–61, Cl. 343—118.

De Rosa, Paul, and F. J. Grossman, 1/10 to Gadget-Of-The-Month Club, Inc. Back rest. 2,992,435, 7–18–61, Cl. 4—185.

De Roy Mfg. Co.: *See*—
Kaufman, David S. 2,991,584.

De Roy, Ross F. Frequency division system for electronic organ or the like. 2,973,484, 2–28–61, Cl. 331—51.

Derr, Chester B.: *See*—
Chace, Howard E., Haynes, Derr, and Gagnon. 2,987,-598.

Derr, Clinton O.: *See*—
Barnhart, Harry E., and Derr. 2,987,565.

Derr, Elmer B., to International Harvester Co. Vehicle running gear. 2,998,981, 9–5–61, Cl. 280—124.

Derr, Willard A.: *See*—
Cham, Edward J., and Derr. 3,014,171.

Derr, Willard A., and W. L. Metz, to Westinghouse Electric Corp. Remote metering apparatus and system. 2,993,194, 7–18–61, Cl. 340—150.

Derrick, Claude A.: *See*—
Grimshaw, Robert J., and Derrick. 3,005,366.

Derrickson, Michael O., and H. E. Pape, to American Viscose Corp. Strap connector. 3,014,256, 12–26–61, Cl. 24—26.

Dersch, Fritz: *See*—
Clementi, Robert J., and Dersch. 3,008,829.

Dersch, Fritz, to General Aniline & Film Corp. Stabilization of photographic emulsions sensitized with alkylene oxide polymers. 2,995,444, 8–8–61, Cl. 96—107.

Dersch, Fritz, to General Aniline & Film Corp. Chemical sensitizing of photographic silver halide emulsions. 2,999,751, 9–12–61, Cl. 96—107.

Dersch, Fritz, to General Aniline & Film Corp. Method of improving photographic silver halide emulsions. 3,005,-713, 10–24–61, Cl. 96—109.

Dersch, Fritz, to General Aniline & Film Corp. Sensitizers for photographic emulsions. 3,006,762, 10–31–61, Cl. 96—107.

Dersch, Fritz, and M. R. De Angelus, to General Aniline & Film Corp. Antifoggants and stabilizers for photographic silver halide emulsion. 2,981,624, 4–25–61, Cl. 96—109.

Dersch, Fritz, and M. R. De Angelus, to General Aniline & Film Corp. Photographic materials. 3,006,760, 10–31–61, Cl. 96—67.

De Rugeris, John. Ignition system for internal combustion engines. 2,986,611, 5–30–61, Cl. 200—24.

De Rugeris, John. Commutator make and break device. 3,004,115, 10–10–61, Cl. 200—26.

De Ruggieri, Pietro, and C. Ferrari, to Ormonoterapia Richter S.p.A. Process for the preparation of 17β hydroxy-17α vinyl steroids of the estrane series. 2,983,735, 5–9–61, Cl. 260—397.4.

De Ruggieri, Pietro, and C. Ferrari, to Ormonoterapia Richter S.p.A. 6β-methyl-pregnane-3β,5γ,17γ-triol-20-one and method for preparation thereof. 2,996,502, 8–15–61, Cl. 239.55—2.

De Ruiter, Jacob W.: *See*—
Blok, Lourens, De Ruiter, Sytsma, and Zwanenburg. 2,-979,669.

De Rycke, Paul E. E., and J. M. L. Rombaut, to Esso Research and Engineering Co. Method of sweetening petroleum distillate. 3,000,817, 9–19–61, Cl. 208—232.

Derylo, Walter F., to Lear, Inc. Electromagnetic speed changer. 2,966,809, 1–3–61, Cl. 74—781.

De Saedeleer, Albert L. Equipment for moistening plants, especially tobacco. 2,980,117, 4–18–61, Cl. 131—134.

De Saint-Martin, Lucien, to Institut de Recherches de la Siderurgie Francaise. Arrangement for the automatic adjustment of a distributor of pulverulent material under pressure. 3,001,829, 9–26–61, Cl. 302—53.

De Sallier, Paul. Vehicle turning unit. 3,013,634, 12–19–61, Cl. 187—8.41.

De Sanno, A. P., & Son, Inc.: *See*—
Davis, Charles H., and Scheirer. 3,007,290.

De Santis, Fausto G.: *See*—
Hannoosh, Mitchell M., Farnsworth, King, and De Santis. 3,002,590.

Desantis, Joseph, to United Aircraft Corp. Cable tensioner. 2,980,974, 4–25–61, Cl. 24—68.

De Santo, James D.: *See*—
Place, Eugene W., Davidson, and De Santo. 3,004,491.

De Sautels, Albert N., to Minneapolis-Honeywell Regulator Co. Signal responsive pulse producing apparatus. 3,013,159, 12–12–61, Cl. 307—88.5.

Desbrandes, Robert, and R. Q. Fields, to Schlumberger Well Surveying Corp. Apparatus for investigating earth formations. 3,011,554, 12–5–61, Cl. 166—100.

Desbois, Theodore J. Pallet. 2,970,797, 2–7–61, Cl. 248—120.

Desbrow, Roy M., to Azusa Engineering, Inc. Vehicular brake. 3,003,589, 10–10–61, Cl. 188—73.

Descarries, Raymond, to Aktiebolaget Electrolux. Splash guard for domestic appliance. 2,986,756, 6–6–61, Cl. 15—49.

Descarries, Raymond, to Aktiebolaget Electrolux. Motor driven rotary machine. 2,986,757, 6–6–61, Cl. 15—49.

Descarries, Raymond, to Aktiebolaget Electrolux. Wheeled support structure for vacuum cleaners. 3,003,179, 10–10–61, Cl. 15—327.

Descarries, Raymond, to Aktiebolaget Electrolux. Suction cleaner nozzle. 3,012,268, 12–12–61, Cl. 15—417.

Descarries, Raymond, to Aktiebolaget Electrolux. Floor polisher. 3,013,287, 12–19–61, Cl. 15—49.

Descarries, Raymond, to Aktiebolaget Electrolux. Suction nozzle. 3,013,295, 12–19–61, Cl. 15—417.

Deschamps, Georges A.: *See*—
Clifford, Vernon F., Cottler, and Deschamps. 2,971,192.

Deschene, Victor J. Handle clamp. 2,967,071, 1–3–61, Cl. 294—31.2.

Deschenes, Emile A., to United Shoe Machinery Corp. Shoe machines. 3,005,216, 10–24–61, Cl. 12—12.3.

Descouvemont, Pierre A., to Compagnie des Machines Bull (Societe Anonyme). Cyclically operated printing machine. 2,986,084, 5–30–61, Cl. 101—93.

Deselaers, Kurt: *See*—
Hass, Karl, and Deselaers. 2,980,505.

Deshaies, Leo J.: *See*—
Carpinella, Michael J., and Deshaies. 3,002,246.

De Shano, Alphonse D. Cutter bit holder. 2,992,664, 7–18–61, Cl. 144—235.

De Siebenthal, Clement. Flying machine and more particularly helicopter. 3,013,746, 12–19–61, Cl. 244—17.11.

Design Dynamics, Inc.: *See*—
Humphrey, David H., and Muesing. 3,014,634.
Schier, Robert W., and Humphrey. 3,009,599.

Design and Mfg. Corp.: *See*—
Lines, Carl H. 3,012,565.

Designers for Industry: *See*—
George, William C., and Riggs. 3,015,062.
Obloy, Stanley J., Cukras, and Callaghan. 2,994,079.

Designware Industries, Inc.: *See*—
Brink, Raymond J. 2,986,282.

Deskey, Donald, Corp., The: *See*—
Barach, Alvan L., and Hall. 2,994,405.

Deskins, Ballard M. Skipping device. 2,995,370, 8–8–61, Cl. 272—74.

Deslandes, Jean: *See*—
Robert, Andre, and Deslandes. 2,975,289.

Deslauriers, Clovis F., and W. A. Shields; said Shields assor. to said Deslauriers. Paper feeders for presses. 3,006,276, 10–31–61, Cl. 101—279.

Desmit, Marcel L.: *See*—
Tavernier, Bernard H., Desmit, and De Cat. 2,982,649.

De Smet, Polydoor F.: *See*—
Beersmans, Jules E., and De Smet. 2,993,793.

Desnoes, Arnold B.: *See*—
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Anderson, Bryce P. 2,983,629.
Anderson, Bryce P. 2,983,630.
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De Spain, Thomas H., to Southern Textile Machinery Co., Inc. Hosiery inspection turning and stacking apparatus. 2,990,982, 7–4–61, Cl. 223—43.

Despić, Alexander, and D. Kosanović, to The Dow Chemical Co. Unsaturated B-diketones and polymers and co-polymers thereof. 3,004,932, 10–17–61, Cl. 260—22.2.

Despres, Urban H.: *See*—
Randall, Walter H., and Despres. 2,979,245.

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Dess, Howard M., to Pennsalt Chemicals Corp. Process for the catalytic production of perchloryl fluoride. 2,982,618, 5–2–61, Cl. 23—203.

Dess, Howard M., to Union Carbide Corp. Process of recovering uranium values. 3,003,847, 10–10–61, Cl. 23—14.5.

Dessauer, John H., to Xerox Corp. Method and apparatus for transferring and fixing xerographic images. 3,013,878, 12–19–61, Cl. 96—1.

Dessauer, Rolf: *See*—
Armitage, John B., Dessauer, and Hyson. 3,006,959.

Dessiliani, Teresio. Machine for projections of cinematograph films carrying a plurality of said films. 2,998,748, 9–5–61, Cl. 88—17.

De Staat der Nederlanden, Ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen: *See*—
Van Dalen, Christiaan J. 2,988,596.

De Staat der Nederlanden, ten Deze Vertigenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie: *See*—
Van Dalen, Christiaan J. 3,001,018.
Van Dalen, Christiaan J., and Van Duuren. 2,970,189.
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Van Duuren, Hendrik C. A. 2,995,626.
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De Stevens, George: *See*—
Werner, Lincoln H., and De Stevens. 2,970,154.

De Stevens, George, to Ciba Pharmaceutical Products, Inc. B-amino-*a*-bromo-propiophenones. 3,000,946, 9–19–61, Cl. 260—570.5.

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De Torre, John, to Federal Pacific Electric Co. Circuit breaker. 3,003,046, 10–3–61, Cl. 200—153.

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Kearney, Thomas J. 2,992,142.
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Smith, Jack C. 3,002,287.
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Detrick, Chester M. Self-releasing boat anchor. 2,985,132, 5–23–61, Cl. 114—208.

Detrick, Harold. Mink cage feeder plate. 2,970,566, 2–7–61, Cl. 119—18.

Detrick, Herbert B., and K. H. Weber, to General Electric Co. Gas bubble prevention system for liquid insulated electrical apparatus. 2,986,593, 5–30–61, Cl. 174—12.

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Detroit Coil Co.: *See*—
Jencks, Hollis W., and Viale. 2,975,340.
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Detroit Hoist and Machine Co.: *See*—
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Detroit Reamer & Tool Co.: *See*—
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De Troye, Nicolaas C., to North American Philips Co., Inc. Pulse delay circuit. 2,975,302, 3–14–61, Cl. 307—88.5.

Detter, Clyde V.: *See*—
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Dettling, Conrad J., and R. E. Hartline, to The Polymer Corp. Process and apparatus for producing continuous coatings. 2,987,413, 6–6–61, Cl. 117—21.

Dettling, Edwin J.: *See*—
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Dettling, James C. and E. J. Apparatus for forming concrete blocks. 3,002,247, 10–3–61, Cl. 25—41.

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Detwiler, Robert L.: *See*—
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Detwiler, Robert L., to United States of America, Navy. Explosive operated valve. 2,972,998, 2–28–61, Cl. 137—68.

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Detwiler, Wayne H., to C. V. Hill & Co., Inc. Refrigerated display case. 2,993,349, 7–25–61, Cl. 62—256.

Deubler, Louis H., and M. Thomas, to Deublin Co. Rotary union having particular assembly means. 3,002,769, 10–3–61, Cl. 285—39.

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Deuel, Hans, and J. Wartmann, to Pittsburgh Plate Glass Co. Method of preparing silica pigment. 3,009,827, 11–21–61, Cl. 117—100.

Deuitch, Don E., to Radio Corp. of America. Power supply. 2,967,991, 1–10–61, Cl. 323—22.

Deuitch, Don E., to Radio Corp. of America. Transistor gate circuits. 2,995,664, 8–8–61, Cl. 307—88.5.

Deussner, Herbert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary kiln, particularly for the burning of cement raw material. 3,012,765, 12–12–61, Cl. 263—33.

Deuth, Albert F., to Clairex Corp. Automatic headlight dimmer control circuit. 3,011,092, 11–28–61, Cl. 315—83.

Deutsch, Bela: *See*—
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Deutsch, Carl J., to C. J., B., and H. Deutsch, d.b.a. Standard Machine & Mfg. Co. Fluid mixing device. 2,973,718, 3–7–61, Cl. 103—262.

Deutsch, Edward J., to Fairchild Engine and Airplane Corp. Delayed action mechanism. 2,989,981, 6–27–61, Cl. 137—492.5.

Deutsch, Fritz A., and M. E. Henes, to Monroe Calculating Machine Co. Constant factor mechanism. 2,980,324, 4–18–61, Cl. 235—79.

Deutsch, Fritz A., to Addressograph-Multigraph Corp. Printing machines. 3,010,387, 11–28–61, Cl. 101—93.

Deutsch, Herman: *See*—
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Deutsch, Johann J., to The National Cash Register Co. Combination of a cash register, accounting or like machine, and a ticket or stamp issuing mechanism. 3,006,538, 10–31–61, Cl. 235—2.

Deutsch, Marshall E. Indicator strip and method of testing. 3,011,874, 12–5–61, Cl. 23—253.

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Deutsche Akademie der Wissenschaften zu Berlin: *See*—
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Bergmann, Oswald, and Torkar. 2,984,606.
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Gross, Albert. 2,973,282.
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Deutsche Solvay-Werke G.m.b.H.: *See*—
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Deutsche Telephonwerke und Kabelindustrie, Aktiengesellschaft (De Te We): *See*—
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Deutscher, Fritz O., to Union Carbide Corp. Gas plating of alumina. 2,972,555, 2-21-61, Cl. 117—106.

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De Van, William T.: *See*—
De Van, Carolyn B. and W. T. 2,994,450.

De Vaney, Fred D., to P-M Associates. Pelletized iron ore concentrate composition and process for making the same. 2,990,268, 6-27-61, Cl. 75—5.

De Vaney, Robert H.: *See*—
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Devenco Inc.: *See*—
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Dever, James L.: *See*—
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Birum, Gail H., and Dever. 3,014,949.
Birum, Gail H., and Dever. 3,014,952.
Birum, Gail H., and Dever. 3,014,953.

Dever, James L., and G. H. Birum, to Monsanto Chemical Co. Method of preparing oxo esters of phosphorus acids. 2,993,066, 7-18-61, Cl. 260—461.

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Devery, Michael H., to Philco Corp. Multiple temperature refrigerator. 3,005,321, 10-24-61, Cl. 62—186.

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Peeps, Donald J. 2,971,700.
Zmuda, Andrew W., and Howe. 2,993,468.

De Vilbiss, Tom G. Fence post brace. 3,014,701, 12-26-61, Cl. 256—35.

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Devine, Francis P., and E. J. Yeager, to Avco Mfg. Corp. Vertical tilt-out chassis. 2,994,807, 8-1-61, Cl. 317—99.

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Lamson, Edward R., and Devine. 2,969,264.
Lamson, Edward R., and Devine. 2,978,793.
Lamson, Edward R., and Devine. 2,978,794.
Lamson, Edward R., and Devine. 2,978,795.
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De Vito, Angelo R., to L. W. Menzimer, trustee. Door control mechanism. 3,000,204, 9-19-61, Cl. 70—264.

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Devol, Lee, to United States of America, Navy. New sono-optical viewing system. 2,983,900, 5-9-61, Cl. 340—3.

Devol, George C., Jr. Programmed article transfer. 2,988,237, 6-13-61, Cl. 214—11.

Devol, Lee, to The Hamilton Watch Co. Motor. 2,968,756, 1-17-61, Cl. 318—254.

Devol, Lee, to Hamilton Watch Co. Motor. 2,993,159, 7-18-61, Cl. 318—254.

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De Vooys, Gerard J., and F. J. Fontein, to Stamicarbon N.V. Installation for the transport of lumpy material. 2,978,278, 4-4-61, Cl. 302—14.

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De Vore, Guy C., to Pittsburgh Plate Glass Co. Glass bending apparatus. 2,993,303, 7-25-61, Cl. 49—67.

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De Vos, Merle K., to Westinghouse Air Brake Co. Highway crossing protection systems. 3,004,150, 10-10-61, Cl. 246—130.

De Vost, Valmore F., to United States of America, Navy. High capacity release mechanism. 2,971,497, 2-14-61, Cl. 121—40.

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De Vries, Arthur D., and M. M. Lambert, to Esso Research and Engineering Co. Olefin separation and purification process. 3,014,973, 12-26-61, Cl. 260—677.

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De Jongh, David K., Akkerman, Kofman, and De Vries. 3,006,918.

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De Vries, Machiel. Pick-up. 2,997,548, 8–22–61, Cl. 179—100.41.
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Navelle, Ward J., De Vries, and Becher. 2,973,027.
De Vry Technical Institute, Inc.: *See*—
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De Wald, Horace A., and D. P. Hylander, to Parke, Davis & Co. Quaternary salts of chloramphenicol esters of amino acids. 3,000,922, 9–19–61, Cl. 260—459.
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De Wall, Richard A., to The Regents of the University of Minnesota. Capillary oxygenator. 2,972,349, 2–21–61, Cl. 128—214.
De Wall, Richard A., and C. W. Lillehei, to The Regents of the University of Minnesota. Oxygenator. 2,981,253, 4–25–61, Cl. 128—214.
De Walt, Curtis W., Jr., and C. S. Sheppard, to United States Steel Corp. Method of manufacture of cyclopentenophenanthrene compounds. 2,974,162, 3–7–61, Cl. 260—515.
De Walt, Inc.: *See*—
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Goodman, Clark, and Dewan. 2,996,618.
Dewan, John T., to Schlumberger Well Surveying Corp. Neutron source for well logging apparatus. 2,973,444, 2–28–61, Cl. 313—61.
Dewan, John T., and W. D. Lunn, to Schlumberger Well Surveying Corp. Well logging apparatus. 2,967,244, 1–3–61; Cl. 250—83.6.
Dewar, Douglas, to Dunlop Rubber Co. Ltd. Electrically-operated fluid-pressure braking system. 3,014,763, 12–26–61, Cl. 303—20.
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Grasty, William P., and Dewey. 2,985,045.
Dewey, Katherine: *See*—
Dewey, Maurice J. and K. 2,971,530.
Dewey, Maurice J, deceased, K. Dewey, executrix. High-low pressure control means for fluid supply systems. 2,971,530, 2–14–61, Cl. 137—458.
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De Wilde, Andries C., and W. K. Steinhagen to General Motors Corp. Solenoid valve assembly. 2,979,643, 4–11–61, Cl. 317—199.
De Wit, Cornelis T.: *See*—
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Shapiro, Hymin, De Witt, and Brown. 2,976,303.
Shapiro, Hymin, De Witt, and Brown. 2,987,531.
Shapiro, Hymin, De Witt, and Brown. 2,987,534.
De Witt, Earl G., to Ethyl Corp. Process for the production of phosphorus-containing compounds. 2,984,681, 5–16–61, Cl. 260—461.
De Witt, Earl G., J. E. Brown, and H. Shapiro, to Ethyl Corp. Process for the preparation of cyclopentadienyl manganese compounds. 2,976,304, 3–21–61, Cl. 260—429.
De Witt, Edward J., to Wallace Supplies Mfg. Co. Rotary bending machine having hydraulic means for holding movable pressure die against stock. 2,974,706, 3–14–61, Cl. 153—40.
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De Witte, John T., and C. H. Wurtz, to General Motors Corp. Refrigerating apparatus. 2,979,922, 4–18–61, Cl. 62—447.
De Witte, Leendert, to Continental Oil Co. Electric well logging. 2,972,101, 2–14–61, Cl. 324—1.
De Witte, Leendert, to Continental Oil Co. Method and apparatus for electrical testing a pipe. 2,992,390, 7–11–61, Cl. 324—37.
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Bimber, Russell M. 2,975,186.
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Vaaler, Luther E. 2,990,248.
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Diamond, Lew H., J. H. McConnell, and H. B. Brown, to Otis Elevator Co Elevator announcing system. 2,991,448, 7–4–61, Cl. 340—19.

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Diamond, Milton J., P. O. Fredrickson, and R. F. Spain, to General Motors Corp. Sonic inspection apparatus. 3,003,628, 10–10–61, Cl. 209—72.

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Kruse, John R., Jr., Burgess, and Stumpf. 2,975,293.
Kruse, John R., Jr., and Hudson. 2,978,537.
Rado, John A. 3,011,019.

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Dias, Virgil F. Combination high chair, stroller and toddler. 2,976,912, 3–28–61, Cl. 155—38.

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Fried, Josef, and Diassi. 2,995,550.
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Diassi, Patrick A., to Olin Mathieson Chemical Corp. Yohimbine o-(lower alkyl) sulfonates. 2,977,367, 3–28–61, Cl. 260—287.

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Dibley, Raymond A. and D. R. Valve construction. 2,984,190, 5–16–61, Cl. 103—178.

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Heinrich, Raymond L., Berry, and Dick. 2,979,474.
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Dickard, Lester R., to Avery Adhesive Products, Inc. Method of rendering a web non-adherent to a pressure-sensitive adhesive and article produced thereby. 2,985,554, 5–23–61, Cl. 154—53.5.

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Dickey, David F. Portable washer for diapers. 2,972,878, 2–28–61, Cl. 68—181.

Dickey, Frank H., D. R. Napier, and W. W. Woods, to Continental Oil Co. Transalcoholysis of aluminum alkoxides. 2,975,201, 3–14–61, Cl. 260—448.

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Dickey, Paul S., to Bailey Meter Co. Vapor generation and superheating. 2,985,153, 5–23–61, Cl. 122—479.

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Dickieson, Alton C., to Bell Telephone Laboratories, Inc. Electron discharge device switching system with automatic voltage compensation. 3,004,223, 10–10–61, Cl. 328—97.

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Dickinson, Arthur H., to International Business Machines Corp. Electronic comparator. 2,991,010, 7–4–61, Cl. 235—177.

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Jones, Howard A., Garman, and Dickinson. 2,995,487.
Jones, Howard A., Garman, and Dickinson. 2,995,488.

Dickinson, Clifford L., Jr., to E. I. du Pont de Nemours and Co. 5-cyanomethylene-2-pyrrolidones. 3,013,018, 12–12–61, Cl. 260—326.5.

Dickinson, Clifford L., Jr., and W. J. Middleton, to E. I. du Pont de Nemours and Co. Certain amino, dicyano pyrazoles and process. 2,998,419, 8–29–61, Cl. 260—240.

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Kronson, Ernest, and Dickinson. 3,013,711.

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Dickinson, Horace, to Lemlar Mfg. Co., Inc. Remote control for vane positioner. 2,980,970, 4–25–61, Cl. 20—62.

Dickinson, Jack R., to Foster Refrigerator Corp. Refrigerator door construction. 2,968,845, 1–24–61, Cl. 20—35.

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Dickmann, Johannes F. E., H. J. Klaue, and T. Helm, to Rheinische Maschinen und Apparate G.m.b.H. Radial flow supersonic compressor. 3,010,642, 11–28–61, Cl. 230—127.

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Dickmann, Johannes, and Euteneuer. 2,984,418.

Dickson, David M., Jr., to Hercules Powder Co. Stabilized polyolefin compositions. 3,006,885, 10–31–61, Cl. 260—45.75.

Dickson, Donald E., to Abbott Laboratories. Certain 4-(5-nitro-2-furyl)-thiazoles. 2,992,225, 7–11–61, Cl. 260—302.

Dickson, James J., and E. Loeb, to Allis-Chalmers Mfg. Co. Telescoping fuel element assembly for nuclear reactors. 2,984,609, 5–16–61, Cl. 204—193.2.

Dickson, Lawrence E.: *See*—
Hoagland, Earl J., and Dickson. 2,979,153.

Dickson, Richard H., Jr., to Indiana Wire and Specialty Co., Inc. Merchandise display and feeding device. 3,007,580, 11–7–61, Cl. 211—49.

Dickstein, Samuel. Adjustable hacksaw. 2,988,123, 6–13–61, Cl. 145—34.

Dictaphone Corp.: *See*—
Gillette, Edward S., and Sherman. 2,989,261.
Hyatt, Arthur J. 2,974,960.
Roberts, Frederick W. 2,992,060.
Stanton, George T. 2,990,184.
Trevitt, John H. 2,993,131.

Dictograph Products, Inc.: *See*—
Lehr, Philip N. 2,975,226.
Lehr, Philip N. 2,975,244.
Lehr, Philip N., O'Brien, and Reitlinger. 2,979,575.

Diczfalusy, Egon R., O. B. Ferno, H. J. Fex, K. B. Hogberg, to Aktiebolaget Leo. Alkoxyphenyl-propionyl esters of 17α-hydroxyprogesterone. 2,970,153, 1–31–61, Cl. 260—397.4.

Didchenko, Rostislav, to Union Carbide Corp. Preparation of indium phosphide. 3,010,792, 11–28–61, Cl. 23—204.

Didier, Robert G., to Leach Corp. Magnetic latch. 3,001,049, 9–19–61, Cl. 200—98.

Didier-Werke AG.: *See*—
Steding, Arthur, and Müller. 2,967,587.

Didion, Charles J. Molding process and mold holding frame therefor. 2,988,792, 6–20–61, Cl. 22—111.

Didrick, Edward J. Reinforced hollow concrete building panel. 2,969,619, 1–31–61, Cl. 50—437.

Didsbury, Wallace E., Sr. Ignition control for motor boat engine. 3,002,487, 10–3–61, Cl. 115—.5.

Didtel, Stuart R.: *See*—
Farmer, Stanley E., and Didtel. 3,010,594.

Die Casting Machine Tools Ltd.: *See*—
Mills, Aubrey R. 2,974,379.

Die Casting Research Foundation, Inc.: *See*—
Goldhamer, Walter M. 3,006,043.

Diebold, Alfred J., to The Anderson Co. Motion-transmitting device. 2,979,965, 4–18–61, Cl. 74—424.8.

Diebold, Edward J., to I-T-E Circuit Breaker Co. Electrodynamic switching device. 2,971,130, 2–7–61, Cl. 317—16.

Diebold, Edward J., to I-T-E Circuit Breaker Co. Instantaneous trip for rectifier protection. 2,971,146, 2–7–61, Cl. 321—11.

Diebold, Edward J., to I-T-E Circuit Breaker Co. Compounding circuit for rectifiers. 2,971,148, 2–7–61, Cl. 321—25.

Diebold, Edward J., to I-T-E Circuit Breaker Co. Constant D.-C. voltage output circuit. 2,978,628, 4–4–61, Cl. 321—16.

Diebold, Edward J., to I-T-E Circuit Breaker Co. Electromagnetic clutch with sttaionary coil. 2,989,161, 6–20–61, Cl. 192—84.

Diebold, Edward J., to International Rectifier Corp. Voltage control. 2,994,030, 7–25–61, Cl. 323—45.

Diebold, Edward J., to International Rectifier Corp. Rectifier and means for mounting the same. 3,007,088, 10–31–61, Cl. 317—234.

Diebold, George L., to Venus Foundation Garments, Inc. Foundation garment with abdominal control panel. 2,973,765, 3–7–61, Cl. 128—541.

Diebold, Inc.: *See*—
Blauvelt, Roland G. 2,967,015.
Pfaff, William A. 3,010,361.

Diebold, Vincent B., to Vulcan-Cincinnati, Inc. Purification of carbon dioxide for urea synthesis. 2,999,008, 9–5–61, Cl. 23—150.

Dieckelmann, Gerhard, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Process for the production of compounds containing epoxide groups. 2,992,237, 7–11–61, Cl. 260—348.5.

Dieckelmann, Gerhard, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Process for the purification of dark-colored raw fatty acid amides. 3,006,934, 10–31–61, Cl. 260—404.

Dieckman, Robert W.: *See*—
Sayre, Paul L., Levey, Dieckman, and Henderson. 3,013,789.

Dieckmann, James R., to The Firestone Tire & Rubber Co. Method and apparatus for forming tire bead grommets. 2,979,109, 4–11–61, Cl. 154—9.

Dieckmann, James R., to The Firestone Tire & Rubber Co. Apparatus for forming tire bead grommets. 2,996,107, 8–15–61, Cl. 154—9.

Diefenderfer, William E., to United Aircraft Corp. Combined fan and turbine. 2,991,926, 7–11–61, Cl. 230—116.

Diehl, Charles C. Deodorant supply mechanism for toilets and urinals. 3,001,210, 9–26–61, Cl. 4—225.

Diehl, Donald A., to The Fyr-Fyter Co. Liquid type check valve. 2,967,540, 1–10–61, Cl. 137—253.

Diehl, Erich A. Roundabout. 2,989,308, 6–20–61, Cl. 272—36.

Diehl, G. M., Machine Works, Inc., The: *See*—
Mowrey, Orville E., and Miller. 2,999,518.
Voges, Robert W., and Mowery. 2,971,547.

Diehl, Glenn A., to Rota Parking, Inc. Means for moving cars to storage stalls. 3,006,285, 10–31–61, Cl. 104—50.

Diehl, James L., to Invalid Walker & Wheel Chair Co. Guard fence assembly. 3,012,255, 12–12–61, Cl. 5—331.

Diehl, John M.: *See*—
Marty, Wilbert H., and Diehl. 2,985,222.

Diehl, Max H., to General Electric Co. Testing and measuring circuit. 2,986,700, 5–30–61, Cl. 324—85.

Diehm, Kenneth F.: *See*—
Leonard, William T., and Diehm. 2,972,751.
Leonard, William T., and Diehm. 3,006,301.
Diehm, Kenneth F., and W. T. Leonard, to Irving Constant. Cutting and crimping tool. 2,975,425, 3–21–61, Cl. 1—220.
Diehm, Kenneth F., and W. T. Leonard, to Irving Constant. Cloth article. 2,978,771, 4–11–61, Cl. 24—205.1.
Dieleman, Lawrence A. Combination door stop and holder. 3,001,809, 9–26–61, Cl. 292—70.
Diemer, Gesinus: *See*—
Duinker, Simon, Schoemakers, Diemer, and Van Santen. 2,988,647.
Klasens, Hendrik A., Diemer, and Stap. 2,999,942.
Van Santen, Johannes G., and Diemer. 2,972,076.
Diemer, Gesinus, to North American Philips Co., Inc. Solid-state image-intensifier for the reproduction of images produced by radiation pulses. 2,987,624, 6–6–61, Cl. 250—213.
Diemer, Gesinus, J. G. Van Santen, S. Duinker, and W. J. Schoenmakers, to North American Philips Co., Inc. Device for scanning a panel. 2,967,265, 1–3–61, Cl. 315—169.
Diemer, Gesinus, J. G. Van Santen, S. Duinker, and W. J. Schoenmakers, to North American Philips Co., Inc. Reproducing panels and devices for scanning reproducing panels. 2,967,266, 1–3–61, Cl. 315—169.
Diemer, William D., and R. A. Skyer. Coupling structure for slide projector trays. 2,998,665, 9–5–61, Cl. 40—79.
Diener, Richard, and W. Wennemann, to Hoesch Rohrwerke Aktiengeselischaft. Machines for the manufacture of tubes. 3,004,135, 10–10–61, Cl. 219—62.
Dierker, Arthur H. Method of producing silvery pig iron. 2,990,271, 6–27–61, Cl. 75—41.
Dierks, Fritz. Surface cleaning apparatus for removing old paint coats. 2,997,730, 8–29–61, Cl. 15—368.
Dieri, Alwien M. H., to Shell Oil Co. Propylene distillation. 3,002,358, 10–3–61, Cl. 62—23.
Diers, Theodore. Typesetting machine. 3,008,567, 11–14–61, Cl. 199—27.
Dierstein, Roy H., to General Electric Co. Inductive device and frame therefor. 3,011,139, 11–28–61, Cl. 336—98.
Diesel Equipment Ltd.: *See*—
Martin, John C. 3,006,485.
Diesfeld, Franz, to J. P. Sauer & Sohn, Gesellschaft mit beschraenkter Haftung. Eddy current dynamometer. 2,973,640, 3–7–61, Cl. 73—134.
Diesfeld, Franz, and H. Bielfeldt, to J. P. Sauer & Sohn, Geselischaft mit Beschraenkter Haftung. Test-stand-brake for testing the torque of motors. 2,996,913, 8–22–61, Cl. 73—134.
Diesing, Fred W., and T. Lindbom, to Fairchild Stratos Corp. Pressure control system for regulating the position of a control surface. 3,002,500, 10–3–61, Cl. 121—41.
Diesing, Fred W., and T. Lindbom, to Fairchild Stratos Corp. Full or partial flow regulating device. 3,002,524, 10–3–61, Cl. 137—219.
Dieterich, Ernest J., to Minneapolis-Honeywell Regulator Co. Electrical information processing apparatus. 2,978,679, 4–4–61, Cl. 340—172.5.
Dietert, Harry W., Co.: *See*—
Dietert, Harry W. and R. L. 3,000,064.
Dietert, Harry W. and R. L. 3,000,065.
Ragone, David V. 2,995,029.
Dietert, Harry W. and R. L., to Harry W. Dietert Co. End point moisture content control for sand. 3,000,064, 9–19–61, Cl. 22—89.
Dietert, Harry W. and R. L., to Harry W. Dietert Co. End point moisture control for solid granular material. 3,000,065, 9–19–61, Cl. 22—89.
Dietert, Randolph L.: *See*—
Dietert, Harry W. and R. L. 3,000,064.
Dietert, Harry W. and R. L. 3,000,065.
Dietiker, Ernst, to Maschinenfabrik Schweiter AG. Device for depositing bobbins and the like into a collecting magazine. 3,005,299, 10–24–61, Cl. 53—248.
Dietrich, Eric R., to General Motors Corp. Pneumatic spring construction. 2,988,353, 6–13–61, Cl. 267—65.
Dietrich, Howard H., and F. B. Page, to General Motors Corp. Fuel control system. 2,983,100, 5–9–61, Cl. 60—39.28.
Dietrich, Howard H., C. J. Brady, and P. J. Garthe, to General Motors Corp. Fuel vapor loss elimination system. 3,001,519, 9–26–61, Cl. 123—136.
Dietrich, Joseph R.: *See*—
Breden, Calvin R., and Dietrich. 2,989,454.
Dietrich, Otto E. Power operated screwdriver. 3,004,569, 10–17–61, Cl. 144—32.
Dietrich, Paul, to Maschinenfabrik Augsburg-Nurnberg A.G. Leverless inking mechanism for rotary printing machines. 2,981,182, 4–25–61, Cl. 101—366.
Dietrich, Paul, to Maschinenfabrik Augsburg-Nurnberg A.G. Apparatus for folding and collecting in rotary printing presses. 2,985,449, 5–23–61, Cl. 270—50.
Dietrich, Paul, to Maschinenfabrik Augsburg-Nurnberg AG. Folding gripper control means in rotary printing machines. 2,991,072, 7–4–61, Cl. 270—71.
Dietrich, Theodore, to Sodeco, Societe des Compteurs de Geneve. Device for checking the coining of coins. 2,982,389, 5–2–61, Cl. 194—97.
Dietsch, Jacques J. G.: *See*—
Lavet, Marius J., and Dietsch. 2,986,683.
Lavet, Marius J., and Dietsch. 2,988,868.
Dietz & Co., Inc.: *See*—
Miller, George A. 2,974,320.
Dietz, Henry G., to Henry G. Dietz Co., Inc. Stepper switch and timer operative at multiple time intervals and control means for initiation and adjustment thereof. 2,990,462, 6–27–61, Cl. 200—105.
Dietz, Henry G., Co., Inc.: *See*—
Dietz, Henry G. 2,990,462.
Dietz, R. E., Co.: *See*—
Knapp, George A., Pulos, and Cleminshaw. 3,005,193.
Dietz, Richard M. Work-piece holder. 2,995,962, 8–15–61, Cl. 77—62.
Dietz, Robert P., to The Bendix Corp. Servo valve. 3,013,580, 12–19–61, Cl. 137—622.
Dietz, Victor J.: *See*—
Miller, Arthur H., Jr., Dietz, and Shipley. 2,981,152.
Dietzenbach, Urban H. Self-loading and unloading trailer. 2,991,895, 7–11–61, Cl. 214—522.
Dietzgen, Eugene, Co: *See*—
Thomiszer, Hubert J. 3,012,141.
Diffenderfer, John B.: *See*—
Rohrer, Kenneth L., and Diffenderfer. 2,997,429.
Diffie, Alfred J. Motor vehicle headlight. 2,993,987, 7–25–61, Cl. 240—41.1.
Di Fonzo, Antonio. Automobile tire chain set. 2,998,835, 9–5–61, Cl. 152—236.
Di Gaeta, Ottavio: *See*—
Poggioli, Aliero, and Di Gaeta. 2,990,288.
Di Gaeta, Ottavio, and A. Poggioli. Process for the preparation of food preserves, and particularly of fruit juices pulverised by sublimation under high vacuum. 2,978,337, 4–4–61, Cl. 99—206.
Di Galbo, Vincent J.: *See*—
Intagliata, Salvatore J., Hildebrandt, Yerks, Di Galbo, and Hall. 2,980,225.
Digate, James S., to The Scholl Mfg. Co., Inc. Imprinting device. 2,998,983, 9–5–61, Cl. 282—1.2.
Digby, James D.: *See*—
Kruse, Ralph H., Fawcett, and Digby. 2,986,606.
Sekella, Youston, Digby, and Covert. 2,973,712.
Digby, James D., to Cambridge Instrument Co., Inc. Apparatus for measuring the pH of solutions. 2,986,511, 5–30–61, Cl. 204—195.
Digby, James J., to The Bendix Corp. Starter gearing for internal combustion engines. 2,984,115, 5–16–61, Cl. 74—7.
Digel, David B., to GPE Controls, Inc. Surface position indicator with fail-safe means. 2,985,399, 5–23–61, Cl. 242—75.53.
Di Giantomasso, Robert R. Butter holder and dispenser. 2,980,247, 4–18–61, Cl. 206—56.
Di Gioia, John. Emergency brake control. 2,977,156, 3–28–61, Cl. 303—2.
Di Giorgio, Philip A., now by change of name George, Philip D., to General Electric Co. Method of operating a jet propulsion system. 2,986,874, 6–6–61, Cl. 60—35.4.
Di Giorgio, Philip A., now by change of name George, Philip D., to General Electric Co. Fuel additives. 2,986,875, 6–6–61, Cl. 60—35.4.
Di Giovanni, Mario, to Statham Laboratories, Inc. Transducer. 2,981,912, 4–25–61, Cl. 338—4.
Di Giovanni, Mario, to Statham Instruments, Inc. Acceleration insensitive diaphragm. 2,989,085, 6–20–61, Cl. 137—793.
Di Giovanni, Mario, to Statham Instruments, Inc. Transducer. 2,995,721, 8–8–61, Cl. 338—4.
Digirolamo, John V. M., and M. Zion, to The Lionel Corp. Operating horse car and corral. 2,973,604, 3–7–61, Cl. 46—40.
Di Girolamo, Joseph, and M. B. Arisman, to CTS Corp. Adjustable resistor. 2,976,507, 3–21–61, Cl. 338—190.
Digital Control Systems, Inc.: *See*—
Steele, Floyd G. 2,974,867.
Steele, Floyd G. 2,995,729.
Digital Equipment Corp.: *See*—
Olsen, Kenneth H. 2,977,485.
Digital Techniques, Inc.: *See*—
Engelbart, Douglas C. 2,971,123.
Engelbart, Douglas C. 2,984,765.
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Maragliano, Domenico, and Di Giulio. 3,013,003.
Di Giulio, Enzo, and P. Parrini, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Synthetic paper and process for producing same. 2,971,858, 2–14–61, Cl. 117—12.
Dignan, Patrick D.: *See*—
Kaner, David, and Dignan. 2,967,771.
Digney, Charles J., to Westrex Corp. Record clamping and stripping mechanisms for facsimile machines and the like. 2,979,372, 4–11–61, Cl. 346—138.
Di Ianni, Elmo J.: *See*—
Davis, George E., and Di Ianni. 2,967,942.
Dijksterhuis, Popko R., and J. C. Van Houten, to North American Philips Co., Inc. Mould. 2,984,867, 5–23–61, Cl. 18—5.3.
Dijkstra, Christiaan: *See*—
Hofstede, Marinus J., and Dijkstra. 2,967,515.
Di Julio, Carl J. Belt supported diving ballast. 2,970,448, 2–7–61, Cl. 61—70.
Dike, Charlotte B. Convertible towel costume. 3,013,274, 12–19–61, Cl. 2—69.
Dilbert, Meredith N., to Phillips Petroleum Co. Separation process of aqueous pyridine mixtures. 2,995,500, 8–8–61, Cl. 202—42.
Diiger, Le Roy E., and S. A. Stulber, to Globe-Union Inc. Oscillator ignition system. 2,976,461, 3–21–61, Cl. 315—205.

Dilke, Max H., to The Distillers Co. Ltd. Linear polyethylene films of improved transparency and method of making same. 2,980,964, 4–25–61, Cl. 18—57.

Dilks, Uselma C. S., to United States of America, Navy. Servosystem altitude adjustment for bomb sight. 3,005,938, 10–24–61, Cl. 318—28.

Dilks, Uselma C. S., and W. W. Deighton, to Burroughs Corp. Data transmission system. 3,009,633, 11–21–61, Cl. 235—60.

Dill, Leslie G., and R. B. Molitor. Siren actuated warning device for automobiles. 3,014,199, 12–19–61, Cl. 340—34.

Dill Mfg. Co., The: *See*—
Ayres, Barrows H. 2,968,333.
Boyer, Ralph K., and Krohn. 2,969,082.
Boyer, Ralph K., and Nece. 2,971,526.

Dill, William E.: *See*—
Bang, Bernhard A., Dill, and Lee. 2,988,644.

Dillard Tractor Co., Inc.: *See*—
Pawela, Albert C. 2,974,616.
Pawela, Albert C. 3,012,371.
Pawela, Albert C. 3,012,615.

Dillberg, Raymond E. Rotary transfer valve mechanism. 2,989,080, 6–20–61, Cl. 137—623.

Dille, Kenneth L., S. R. Newman, R. Y. Heisler, and N. Alpert, to Texaco Inc. Lubricants containing a deposit-control additive. 3,001,941, 9–26–61, Cl. 252—56.

Dille, Roger M.: *See*—
Chapman, Ronald W., Ahlborn, and Dille. 2,987,386.

Dille, Roger M., to Texaco Inc. Carbon separation process. 2,982,635, 5–2–61, Cl. 48—196.

Dille, Roger M., and R. W. Chapman, to Texaco Inc. Carbon separation process. 2,980,521, 4–18–61, Cl. 48—196.

Dille, Roger M., and R. W. Chapman, to Texaco Inc. Carbon separation process. 2,980,522, 4–18–61, Cl. 48—196.

Dille, Roger M., and R. W. Chapman, and J. C. Ahlborn, to Texaco Inc. Production of carbon monoxide and hydrogen. 2,980,523, 4–18–61, Cl. 48—215.

Dille, Roger M., R. W. Chapman, and J. C. Ahlborn, to Texaco Inc. Production of carbon monoxide and hydrogen. 2,999,741, 9–12–61, Cl. 48—196.

Dillenberg, Horst. Rotary piston engine. 2,969,049, 1–24–61, Cl. 123—8.

Dilley, Porter D. Rod bracket. 3,010,736, 11–28–61, Cl. 285—114.

Dilley, Porter D. Pipe coupling having nut spacer means. 3,010,740, 11–28–61, Cl. 285—341.

Dillier, Johann A., to A. Bernauer & Co. Lifesaving devices. 3,004,269, 10–17–61, Cl. 9—321.

Dilling, Marion R.: *See*—
Fender, Keith L., Renshaw, and Dilling. 2,993,642.

Dilling, Marion R., P. E. Renshaw, and S. D. Barger, to Royal McBee Corp. Typewriter control of an internally cycling computer unit. 3,007,632, 11–7–61, Cl. 235—60.12.

Dillingham, Edward: *See*—
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Dillon, Charles, and G. Engstrom, to Allmanna Svenska Elektriska Aktiebolaget. Voltage dividers for high voltage gas-filled rectifiers. 3,014,157, 12–19–61, Cl. 315—233.

Dillon, Howard C., to The Marquardt Corp. Pressure signal amplifier. 2,982,293, 5–2–61, Cl. 137—82.

Dillon, John D., ¼ to W. J. Ruano. Business machines. 2,992,294, 7–11–61, Cl. 178—26.

Dillon, Joseph F., Jr., to Bell Telephone Laboratories, Inc. Light modulator. 2,974,568, 3–14–61, Cl. 88—61.

Dillon, Oscar W.: *See*—
Rowe, Louis F., Smith, and Dillon. 2,973,683.

Dillon, Oscar W., to American Optical Co. Lens blocking apparatus. 2,982,061, 5–2–61, Cl. 51—277.

Dillon, Robert C. Children's exercise and play device. 3,008,711, 11–14–61, Cl. 272—60.

Dillon, William P., Jr. Coin operated device. 2,991,868, 7–11–61, Cl. 194—95.

Dillon, William P., Jr. Vending machines. 3,009,556, 11–21–61, Cl. 194—75.

Di Lorenzo, Norman S., to American Optical Co. Ophthalmic mountings. 2,974,567, 3–14–61, Cl. 88—41.

Di Lorenzo, Norman S., to American Optical Co. Ophthalmic mountings. 3,006,246, 10–31–61, Cl. 88—41.

Dilworth, John P.: *See*—
Jordan, Terence B., and Dilworth. 3,003,962.
Roach, James R., Lyons, and Dilworth. 2,969,325.

Dilworth, John P., B. L. Benge, and T. B. Jordan, to Texaco Inc. Calcium soap grease containing lithium hydroxide. 2,967,826, 1–10–61, Cl. 252—18.

Dilworth, Richard M., J. Markestein, and C. B. Nelson, to General Motors Corp. Railway vehicle. 2,971,478, 2–14–61, Cl. 105—368.

Dilworth, Robert H., and C. J. Borkowski, to United States of America, Atomic Energy Commission. Personal radiation monitor. 3,015,031, 12–26–61, Cl. 250—83.6.

Dilworth, Thomas B., to General Motors Corp. Hydraulic governor pressure control mechanism. 2,977,762, 4–4–61, Cl. 60—51.

Dilworth, Victor W., to International Harvester Co. Means for effecting load transfer in tractor implement assemblies. 2,981,341, 4–25–61, Cl. 172—2.

Dilworth, William G., to General Motors Corp. Bearing assembly. 3,006,698, 10–31–61, Cl. 308—23.

Di Maggio, Carmelo A., J. W. Healy, and R. M. Lamade, Jr., to Arthur D. Little, Inc. Tagging apparatus. 2,977,862, 4–4–61, Cl. 93—87.

Di Maio, Anthony E.: *See*—
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Di Marco, William A., and L. G. Hoag, to General Electric Co. Contoured article. 2,969,544, 1–24–61, Cl. 343—912.

Di Martino, John M.: *See*—
Peck, Kenneth L., and Di Martino. 2,987,341.

Di Meglio, Joseph E.: *See*—
Minardi, Oresto A., and Di Meglio. 2,988,985.

Dimick, John E.: *See*—
Flanders, Robert H., and Dimick. 3,005,548.
Flanders, Robert H., and Dimick. 3,005,550.
Flanders, Robert H., Dimick, and Amara. 3,005,549.

Dimitriadis, James C. Child's riding toy. 2,992,009, 7–11–61, Cl. 280—1.13.

Dimmer, Robert P., to Automatic Electric Laboratories, Inc. Mobile selector for common carrier radio telephone service. 2,987,615, 6–6–61, Cl. 250—6.

Diminer, Robert P., to Automatic Electric Laboratories, Inc. Negative impedance repeaters having gain controls. 2,998,581, 8–29–61, Cl. 333—80.

Dimmick, Glenn L., to Radio Corp. of America. Composite photography. 2,985,064, 5–23–61, Cl. 88—24.

Dimmitt, Charles F. Scaffold jack. 2,997,268, 8–22–61, Cl. 248—235.

Dimmock, Norman A., to Power Jets (Research and Development) Ltd. Control devices for fluid pressure systems. 3,009,631, 11–21–61, Cl. 230—115.

Dimond, Herbert M., and R. L. Boyles, to General Electric Co. Alarm control mechanism. 2,994,183, 8–1–61, Cl. 58—21.12.

Dimond, Thomas L., H. M. Pruden, and C. O. Vogt, to Bell Telephone Laboratories, Inc. Method of and apparatus for generating coded signals. 2,996,704, 8–15–61, Cl. 340—353.

Dimroth, Peter, and H. Pasedach, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of 2,3-dihydrofuranes. 2,993,910, 7–25–61, Cl. 260—346.1.

Dinbergs, Kornelins, to The B. F. Goodrich Co. Dinitrophenylhydrazones as age-resistant in compounded high polymer products. 3,010,939, 11–28–61, Cl. 260—45.9.

Dineen, John J., to Chandler Evans Corp. Air cycle cooling unit. 2,997,862, 8–29–61, Cl. 62—403.

Dineley, Jack L.: *See*—
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Ding, Alfred P. Control for changing blade angle of adjustable blade turbine. 2,986,646, 5–30–61, Cl. 290—40.

Dingee, Alexander L. M., Jr., and T. W. Dickinson. Remotely controlled trackless vehicle. 2,993,299, 7–25–61, Cl. 46—244.

Dingelstedt, Carl, to Sperry Rand Corp. Apparatus for installing components. 2,982,967, 5–9–61, Cl. 1—323.

Dinger, Frederick R.: *See*—
Kuypers, Harold A., MacLennan, and Dinger. 2,975,801.

Dinglerwerke Aktiengesellschaft: *See*—
Oberdorfer, Heinz, and Dauber. 2,982,308.

Dinkel, Charles E. Sole protector for bowling shoes and the like. 3,012,343, 12–12–61, Cl. 36—7.2.

Dinkelkamp, Henry T., to Stewart-Warner Corp. Manually operated pump. 2,995,212, 8–8–61, Cl. 184—28.

Dinning, John R., to Toledo Scale Corp. Electrical controls. 2,998,866, 9–5–61, Cl. 187—29.

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Peters, Clifford M., and Dinning. 2,982,226.

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Reese, Thomas S. 3,014,828.

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Dinsmore, David W., and A. H. Smith, to Monsanto Chemical Co. S-amine phosphorothioates. 3,002,014, 9–26–61, Cl. 260—461.

Dinsmore, Joseph A., to Ampex Corp. Electric motor bearing. 2,985,493, 5–23–61, Cl. 308—22.

Dinwiddie, James A., and W. A. Morgan, to Esso Research and Engineering Co. Fixed bed type reactor. 2,976,132, 3–21–61, Cl. 23—288.

Dion, Warren E., to General Motors Corp. Inspection mechanism. 2,982,402, 5–2–61, Cl. 209—72.

Dion-Biro, Guy. Foam producing apparatus. 2,988,151, 6–13–61, Cl. 169—14.

Dion-Biro, Guy. Self-regulating pressure valve. 2,996,076, 8–15–61, Cl. 137—505.21.

Diorio, Alfred F.: *See*—
Besso, Michael M., Diorio, and Hochner. 2,992,882.
Besso, Michael M., Diorio, and Hochner. 2,992,933.

Di Paco, Gianfranco, and T. Sonnino, to Laboratorio Guidotti & C. Derivatives of 5-hydroxy-8-methoxy-2-methyl-4′,5′-furo-6,7-chromon and methods for obtaining these derivatives. 2,989,531, 6–20–61, Cl. 260—253.

Di Pasquale, Fred A.: *See*—
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Di Pasquale, Renato, to Yardney International Corp. Process for producing electrode plates. 3,002,834, 10–3–61, Cl. 75—208.

Di Pasquantonio, Ernest A.: *See*—
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Di Perna, James. Double safety aeroplane. 2,998,208, 8–29–61, Cl. 244—2.

Di Perna, Mario S. Windshield cleaner. 2,968,071, 1–17–61, Cl. 20—40.5.

Diperstein, David. Method of repairing cracked or broken metal parts. 2,998,645, 9–5–61, Cl. 29—402.

Di Piazza, James T., to Esso Research and Engineering Co. Additives for improving the electrical properties of hydrocarbon oils. 2,974,027, 3–7–61, Cl. 52—.51.
Di Pieri, Ciro, ½ to S.I.A.T.E.M. Societa Italiana Apparecchi Termo-Elettro-Meccanici Societa per Azioni. Methods and apparatus to determine the characteristics of sheet material. 2,966,792, 1–3–61, Cl. 73—15.6.
Di Pietro, Anthony R. Game apparatus. 2,999,692, 9–12–61, Cl. 273—97.
Dipner, Charles D., to Minnesota Mining and Mfg. Co. Grease composition comprising a solution of a chlorotrifluoroethylene vinylidene fluoride copolymer in a low molecular weight chlorotrifluoroethylene polymer. 2,992,988, 7–18–61, Cl. 252—58.
Dipner, Charles D., to Minnesota Mining and Mfg. Co. Chemically resistant coatings and method for preparation thereof. 2,979,418, 4–11–61, Cl. 117—72.
Di Prete, Andrew, to The Bryant Electric Co. Electric wiring device. 2,991,442, 7–4–61, Cl. 339—126.
Diprose, Kenneth V., and G. C. Rowley, to A. V. Roe & Co. Ltd. Digital computing engines. 3,011,712, 12–5–61, Cl. 235—176.
Diquattro, Robert G., to Specialties Development Corp. Method of cooling hot metallic parts. 3,001,377, 9–26–61, Cl. 62—64.
Diquattro, Robert G., to Specialties Development Corp. Fire preventing system. 3,012,613, 12–12–61, Cl. 169—9.
Dirats, Elwyn J., to J. Dirats & Co., Inc. Spraying method and apparatus for powderless etching of printing plates. 2,995,851, 8–15–61, Cl. 41—9.
Dirats, J., & Co., Inc.: *See*—
Dirats, Elwyn J. 2,995,851.
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Riccobono, Joseph M., and Sbiroli. 3,001,325.
Director of the Agency of Industrial Science and Technology, The Ministry of International Trade and Industry, Japanese Government, The: *See*—
Izumitani, Tetsuro. 2,967,779.
Dirks, Francis M. Marking device for pipe cutters. 2,993,274, 7–25–61. Cl. 30—123.
Dirks, Gerhard. Storing of signals. 2,967,295, 1–3–61, Cl. 340—172.5.
Dirks, Gerhard. Means controlling the extent of mechanical movements in printers, line-composing machines and other machinery. 2,971,623, 2–14–61, Cl. 192—142.
Dirks, Gerhard. Justifying apparatus for power operated typewriters. 2,971,626, 2–14–61, Cl. 197—84.
Dirks, Gerhard. Teletyping means for the printing or other indication of numbers and other information. 2,972,016, 2–14–61, Cl. 178—23.
Dirks, Gerhard. Apparatus for sorting signals recorded on a magnetisable signal carrier. 2,972,131, 2–14–61, Cl. 340—174.1.
Dirks, Gerhard. Printing and other representation of characters. 2,976,801, 3–28–61, Cl. 101—93.
Dirks, Gerhard. Method and means for converting signals symbolizing information in one system of representation to signals symbolizing the same information in another system of representation. 2,982,951, 5–2–61, Cl. 340—324.
Dirks, Gerhard. Storing data signals on tapes. 2,986,725, 5–30–61, Cl. 340—174.1.
Dirks, Gerhard. Electrically controlled character printing apparatus. 2,997,152, 8–22–61, Cl. 197—1.
Dirks, Gerhard. Method of preparing record carrier. 2,997,417, 8–22–61, Cl. 154—118.
Dirks, Gerhard. Method and means for the automatic repetition of signal transmissions. 3,001,017, 9–19–61, Cl. 178—23.
Dirks, Gerhard. Code conversion unit for the control of devices. 3,010,095, 11–21–61, Cl. 340—172.5.
Dirks, Gerhard. Signal storage devices with correction means. 3,011,154, 11–28–61, Cl. 340—172.5.
Dirnberger, Lawrence A., and R. T. Nelson, to E. I. du Pont de Nemours and Co. Preparation of silica sols of minimum turbidity. 2,974,109, 3–7–61, Cl. 252—313.
Dirth, George P., and W. J. Martin. High-gain quick-response control system for strip mill. 2,988,680, 6–13–61, Cl. 318—6.
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Discipio, Anthony M. Paint transfer device. 2,982,984, 5–9–61, Cl. 15—257.06.
Disinger, Frank A., and V. A. Nicolia, to General Motors Corp. Heat exchangers. 2,988,335, 6–13–61. Cl. 257—236.
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Distel, Joseph W., M. Parrish, Jr., and K. Maiershofer, to Polaroid Corp. Flattening and coating device for photographic prints. 2,969,766, 1–31–61, Cl. 118—503.
Disteldorf, Josef, to Bergwerksgesellschaft Hibernia Aktiengesellschaft. Process of producing melamine. 2,972,614, 2–21–61, Cl. 260—249.7.
Distillers Co. Ltd., The: *See*—
Bellringer, Frederick J., Capp, Newman, and Truck. 2,979,542.
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Craven, Ernest C. 2,997,482.
Crocker, Henry P., and Turck. 2,999,888.
Dilke, Max H. 2,980,964.
Dobson, Kenneth R. 2,980,730.
Fewlass, Maurice W. 2,968,677.
Fraser, Donald A., and Raum. 2,999,088.
Gasson, Edward J. 2,987,538.
Gasson, Edward J., and Hadley. 2,979,526.
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Hannon, Warren W. 2,987,673.
Ditmer, Richard L., E. C. Dobberstein, and L. K. Sandor, to The National Cash Register Co. System for computing and sequential recording of data. 3,014,647, 12–26–61, Cl. 235—61.1.
Di Toro, Michael J., to International Telephone and Telegraph Corp. Aural detection apparatus comprising an acoustical delay line having external feedback circuit. 3,013,212, 12–12–61, Cl. 328—137.
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Di Vita, Sam, and R. J. Fischer, to United States of America, Army. Method of producing barium titanate. 2,985,506, 5–23–61, Cl. 23—51.
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Dixon, Austin, and J. R. Spierto, to Westinghouse Electric Corp. Brazing alloy and ultrasonic process for using the same. 2,984,903, 5–23–61, Cl. 29—502.
Dixon, Austin, and J. F. Weifand, to Westinghouse Electric Corp. Heating method and apparatus. 3,005,893, 10–24–61, Cl. 219—9.5.
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Dixon, Benjamin F. Paint can holder. 2,995,281, 8–8–61, Cl. 224—25.
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Dixon, Dwight R., to Schlumberger Well Surveying Corp. Electrical systems for borehole apparatus. 2,974,303, 3–7–61, Cl. 340—18.
Dixon, Elmer F.: *See*—
Logan, Hugh H., Nelson, Dixon, and Taube. 2,999,248.

Dixon, Fernie S., deceased; L. J. Dixon, administratix of said F. S. Dixon. Fish alarm device. 2,995,854, 8–15–61, Cl. 43—17.

Dixon, George A., and T. F. Millick, Sr. Adapter for grinding planer knives. 2,997,821, 8–29–61, Cl. 51—218.

Dixon, Henry O., to Phillips Petroleum Co. Prevention of well bore caving during in situ combustion. 2,985,238, 5–23–61, Cl. 166—11.

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Dixon, James K., E. M. Smolin, and K. W. Saunders, to American Cyanamid Co. Production of aromatic compounds. 2,976,333, 3–21–61, Cl. 260—669.

Dixon, James L., R. D. Witchey, and R. W. Rath, to The Rath Packing Co. Apparatus for filling sausage molds. 3,009,195, 11–21–61, Cl. 17—39.

Dixon, Jonathan S., J. J. Katz, and E. F. Orlemann, to United States of America, Atomic Energy Commission. Method of preparing complexes of plutonium with diketones. 2,989,556, 6–20–61, Cl. 260—429.1.

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Seeley, Sherwood, B. 2,988,791.

Dixon, Lina J.: *See*—
Dixon, Fernie S. 2,995,854.

Dixon, Paul H., to Dixon Automatic Tool, Inc. Automatic assembling machine with size sensing arrangement. 2,969,587, 1–31–61, Cl. 29—200.

Dixon, Paul H. Torque responsive clutch. 2,973,848, 3–7–61, Cl. 192—56.

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Dixon, Paul H., to United Shoe Machinery Corp. Ammunition feeders for automatic guns. 2,986,074, 5–30–61, Cl. 89—33.

Dixon, Paul H. Power operated mechanism for assembly threaded fasteners. 2,989,996, 6–27–61, Cl. 144—32.

Dixon, Paul H., to Dixon Automatic Tool, Inc. Indexing mechanism for assembling machine or the like. 2,997,781, 8–29–61, Cl. 29—208.

Dixon, Paul H., to United Shoe Machinery Corp. Gas piston operated automatic gun. 3,009,396, 11–21–61, Cl. 89—191.

Dixon, Reginald J., and L. Jones, to Wickman Ltd. Feed mechanisms for screw thread-forming attachments for metal-working power-driven lathes. 2,975,440, 3–21–61, Cl. 10—139.

Dixon, Reginald J., and L. Jones, to Wickman Ltd., Apparatus for automatically transferring workpieces to and from a lathe or other machine tool. 3,000,516, 9–19–61, Cl. 214—1.

Dixon, Ronald H. T., and J. H. Gittus, to The International Nickel Co., Inc. Method of graphitizing cast iron. 2,973,564, 3–7–61, Cl. 22—200.

Dixon, Ronald H. T., and D. R. Thorneycroft, to The International Nickel Co., Inc. Welding rod and method of making and welding with same. 2,995,815, 8–15–61, Cl. 29—498.

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Dixon, Stanley, to E. I. du Pont de Nemours and Co. Process for preparation of 2-oxazolidones. 2,977,371, 3–28–61, Cl. 260—307.

Dixon, Stanley, and J. J. Verbanc, to E. I. du Pont de Nemours and Co. Production of 2-oxazolidinones. 2,977,369, 3–28–61, Cl. 260—307.

Dixon, Thomas P., to Technicolor Corp. Printing timer for making color positives on film. 2,981,791, 4–25–61, Cl. 178—5.2.

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Djerassi, Carl, and G. Rosenkranz, to Syntex S.A. Allo pregnane compounds and process. 2,968,654, 1–17–61, Cl. 260—239.55.

Djerassi, Carl, A. J. Lemin, G. Rosenkranz, and F. Sondheimer, to Syntex S.A. Steroid sapogenin compounds and process for their production. 2,977,358, 3–28–61, Cl. 260—239.55.

Djerassi, Carl, and G. Rosenkranz, to Syntex S.A. Δ'-allopregnen-3,11 20-trione and intermediates to the production thereof. 2,979,516, 4–11–61, Cl. 260—397.3.

Djerassi, Carl, and H. J. Ringold, to Syntex, S.A. 16α-methyl-6α-fluoro-pregnane derivatives. 2,983,737, 5–9–61, Cl. 260—397.45.

Djerassi, Carl, G. Rosenkranz, S. Kaufmann, J. Pataki, and J. Romo, to Syntex S.A. 1-methyl equilenin compounds and process for making. 2,991,294, 7–4–61, Cl. 260—397.4.

Dlouhy, Dominik. Rotary storages. 3,011,659, 12–5–61, Cl. 214—16.1.

Dlugosch, Paul A., to Noble Mfg. Co. Farm implement caster wheel. 2,974,737, 3–14–61, Cl. 172—456.

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Doak, James C., ¼ each to W. S. Sutowski, F. J. Mingo, and F. B. Douglass. Respirator devices for administering oxygen or other gaseous agents. 2,970,594, 2–7–61, Cl. 128—203.

Doak, Kenneth W., and A. E. Jeltsch, to Koppers Co., Inc. Process of promoting crystallization of isotactic polystyrene with a crystallization enhancer. 3,000,845, 9–19–61, Cl. 260—30.6.

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Doane, Herbert W., to Sun Mfg. Co. Vehicle load carrying attachment. 3,006,519, 10–31–61, Cl. 224—42.1.

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Dobberstein, Heinz, to Askania-Werke A.G. Cycling mechanism for photoelectrical devices. 2,968,736, 1–17–61, Cl. 250—233.

Dobbie, James, to Westinghouse Electric Corp. Pulse control apparatus. 2,977,486, 3–28–61, Cl. 307—88.5.

Dobbie, James, to Westinghouse Electric Corp. Differential frequency rate circuit comprising logic components. 2,985,773, 5–23–61, Cl. 307—88.5.

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Dobbie, Robert W., to Westinghouse Electric Corp. Refrigeration apparatus. 3,009,338, 11–21–61, Cl. 62—419.

Dobbins, Billy D., A. C. Tregidga, and G. W. Luke, Jr., to United States of America, Navy. Antenna cap. 2,998,943, 9–5–61, Cl. 244—14.

Dobbins, John A. Airplane tow bar. 2,994,541, 8–1–61, Cl. 280—3.

Dobbins, Richard K., to Minneapolis-Honeywell Regulator Co. Valve actuator. 2,995,116, 8–8–61, Cl. 121—41.

Dobbins, Willis E.: *See*—
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Doberstein, George H. Programing device. 2,980,772, 4–18–61, Cl. 200—33.

Dobkin, William J. Liquid pump dispenser. 2,989,002. 6–20–61, Cl. 103—38.

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Doble, Warren, to Jalsco Pump Co. Clutch. 2,988,187, 6–13–61, Cl. 192—48.

Doble, Warren, to Jabsco Pump Co. Tandem pump. 3,014,429, 12–26–61, Cl. 103—4.

Doble, Warren, and F. H. Sully, to Jabsco Pump Co. Clutch. 3,005,528, 10–24–61, Cl. 192—55.

Doblhoff, Friedrich L., to McDonnell Aircraft Corp. Locking device for floating hub helicopter rotors. 3,002,569. 10–3–61, Cl. 170—160.27.

Doblin, Jay, to Hazel Bishop, Inc. Refillable lipsticks. 3,002,611, 10–3–61, Cl. 206—56.

Dobner, Allen L., Jr., and G. A. Dyer, to General Dynamics Corp. Calibration translating device. 2,977,046, 3–28–61, Cl. 235—132.

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Dobratz, Elmer H., to Koppers Co., Inc. Trialkylborane process. 3,000,961, 9–19–61, Cl. 260—606.5.

Dobres, Robert M., and B. W. Rope, to Socony Mobil Oil Co., Inc. Reforming with alumina-chromia-boria catalyst. 2,983,672, 5–9–61, Cl. 208—136.

Dobrick, Leonard A., 49/100 to The Samuel and Lena Sussman Trust Foundation, represented by M. N. Sussman, trustee. Method for determining glucose levels in blood and other biological fluids. 3,009,862, 11–21–61, Cl. 195—103.5.

Dobrikin, Harold L., to Berg Airlectro Products Co. Movable hose support. 2,984,445, 5–16–61, Cl. 248—204.

Dobrikin, Harold L., to Berg Airlectro Products Co. Tarp hold-down strap. 2,991,524, 7–11–61, Cl. 24—73.

Dobrikin, Harold L., and V. Mastis, to Berg Airlectro Products Co. Parking brake chamber. 2,970,572, 2–7–61, Cl. 121—38.

Dobry, Alan, to Westinghouse Electric Corp. Removal of oxidation catalysts from oil dielectrics in inductive apparatus. 2,985,706, 5–23–61, Cl. 174—14.

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Kolker, Leona G., Dobry, and Weigle. 2,986,198.

Dobslaw, Gerhardt A., to Portable Electric Tools, Inc. Universal saw mount for portable power saws on machine supports. 3,007,499, 11–7–61, Cl. 143—6.

Dobson, Ernest W., to Sun Oil Co. Drying of solid materials. 3,004,347, 10–17–61, Cl. 34—35.

Dobson, Ernest W., and T. J. Kelly, to Sun Oil Co. Process for preparing polypropylene. 2,969,344, 1–24–61, Cl. 260—93.7.

Dobson, Franklin A., and H. S. Sibley; said Sibley assor. to said Dobson. Convertiplane, and method of operating an aircraft. 2,994,492, 8–1–61, Cl. 244—7.

Dobson, Kenneth R., to The Distillers Co. Ltd. Production of ethyl acrylate. 2,980,730, 4–18–61, Cl. 260—486.

Dock, Mortimer R. Spirit level and protractor. 2,993,281, 7–25–61, Cl. 33—211.

Dock, Nils: *See*—
Allander, Claes, and Dock. 2,997,132.

Dockstader, Wilmer B.: *See*—
Baker, Dwight L., and Dockstader. 2,975,066.

Dodd, David R. Combination land and air vehicle. 3,012,737, 12–12–61, Cl. 244—2.

Dodd, John A. Differential check valve structure. 2,988,002, 6–13–61, Cl. 103—7.

Dodds, Irvine. Letter placement indicator for typewriters. 2,996,164, 8–15–61, Cl. 197—63.

Dodds, John M.: *See*—
Darlington, William H., Shannon, Fulton, and Dodds. 2,984,324.

Dodds, Paul L. Cantilever counter stool. 3,003,730, 10–10–61, Cl. 248—220.5.

Dodds, Robert B., and A. A. Luoma, to Worthington Corp. Remote control means for controlling operation of prime movers in a continuous process. 2,976,689, 3–2–61, Cl. 60—102.

Dodegge, Carl A., to Aero Metal Products Corp. Power tool assemblies. 3,009,493, 11–21–61, Cl. 144—1.

Dodge, Adiel Y. Transmission. 2,981,125, 4–25–61, Cl. 74—688.

Dodge, Adiel Y. Variable speed drive. 2,999,574, 9–12–61, Cl. 192—3.5.

Dodge, Adiel Y. Transmission. 3,006,217, 10–31–61, Cl. 74—688.

Dodge, Adiel Y. Low pressure exhauster. 3,007,322, 11–7–61, Cl. 62—268.

Dodge, David W.: *See*—
Guyton, James H., Votava, Jenkins, and Dodge. 2,981,836.

Dodge, David W., to General Motors Corp. Bridge biasing transistor circuit. 2,970,277, 1–31–61, Cl. 330—40.

Dodge, David W., to General Motors Corp. Transistor oscillator. 2,983,879, 5–9–61, Cl. 331—117.

Dodge, E. F., Paper Box Corp.: *See*—
Rellstab, George C. 2,983,420.

Dodge, Howard M.: *See*—
Baker, Walter S., and Dodge. 2,971,419.

Dodge, Howard M., to The General Tire & Rubber Co. Automobile floor mat. 3,003,576, 10–10–61, Cl. 180—90.6.

Dodge Mfg. Corp.: *See*—
Firth, David. 2,986,416.
Firth, David. 2,999,394.
Firth, David. 3,007,748.

Dodge, Paul A., to General Electric Co. Electronic power supply regulator. 2,967,251, 1–3–61, Cl. 307—151.

Dodge, Paul A., to General Electric Co. Electronic voltage regulator. 2,976,474, 3–21–61, Cl. 323—9.

Dodge, Paul A., to General Electric Co. Electrical signal regulator. 2,976,475, 3–21–61, Cl. 323—9.

Dodge, Raymond A., to Clark Equipment Co. Load handling device for straddle carriers. 2,975,922, 3–21–61, Cl. 214—394.

Dodge, Richard G., and M. L. Sagenkahn, to Shell Oil Co. Splitting of reflux to extractive distillation column. 3,008,880, 11–14–61, Cl. 202—39.5.

Dodge, Ronald D.: *See*—
Pearson, Eugene S., and Dodge. 2,978,088.
Walker, George A., Dodge, and Palmer. 2,989,166.

Dodge, Ronald D., and N. D. Walton, to International Business Machines Corp. Ribbon feed mechanism for typewriters. 2,978,089, 4–4–61, Cl. 197—161.

Dodge, Ronald D., and E. S. Pearson, to International Business Machines Corp. Case shift mechanism for typewriters. 3,001,630, 9–26–61, Cl. 197—74.

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Dodge, William S., to Matson Navigation Co. Shoring clamp. 2,976,823, 3–28–61, Cl. 105—369.

Dodington, Sven H. M., to International Telephone and Telegraph Corp. Radio repeating systems. 2,978,699, 4–4–61, Cl. 343—18.

Dodington, Sven H. M., to International Telephone and Telegraph Corp. Variable power transmitter for distance measuring interrogators. 2,981,943, 4–25–61, Cl. 343—7.5.

Dodington, Sven H. M., to International Telephone and Telegraph Corp. Impulse repeater systems. 3,007,159, 10–31–61, Cl. 343—18.

Dodson, Adrain M. Rocking horse. 2,968,483, 1–17–61, Cl. 272—52.

Dodson, Glenn R., deceased, by L. A. Dodson, administrator. Silo unloader. 2,970,827, 2–7–61, Cl. 262—19.

Dodson, Leon A.: *See*—
Dodson, Glenn R. 2,970,827.

Dodson, Raymond M., and R. C. Tweit, to G. D. Searle & Co. 3,17-bisoxygenated 7-acylthioestra-1,3,5(10)-trienes. 2,967,188, 1–3–61, Cl. 260—397.4.

Dodson, Raymond M., and P. B. Sollman, to G. D. Searle & Co. 11-oxygenated 17-alkylsulfinyl- and 17-alkylsulfonylandrost-4-en-3-ones. 2,999,101, 9–5–61, Cl. 260—397.3.

Dodson, Raymond M., and P. B. Sollman, to G. D. Searle & Co. 2,2,3-tri-(lower)alkyl-3-(6-hydroxy-2-naphthyl)-1-propanethiols and derivatives thereof. 3,014,076, 12–19–61, Cl. 260—609.

Dodson, William M.: *See*—
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Dodsworth, James W., and J. B. Meister, to Monroe Calculating Machine Co. Carriage shift for business machines. 2,990,931, 7–4–61, Cl. 197—177.

Dodwell, John M. Friction device. 3,012,637, 12–12–61, Cl. 188—82.6.

Doe, Edward E., to The Bryan Donkin Co. Ltd. Valve seals. 2,984,450, 5–16–61, Cl. 251—175.

Doedens, James D.: *See*—
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Doedens, James D., and E. H. Rosenbrock, to The Dow Chemical Co. Method of making 4,4-di(halomethyl) diphenyl oxides and product. 3,004,072, 10–10–61, Cl. 260—612.

Doeg, Ralph W., to American Motors Corp. Refrigerating apparatus. 2,970,608, 2–7–61, Cl. 137—516.11.

Doehler, Emil J. Holder for lids or can covers. 3,006,497, 10–31–61, Cl. 220—18.

Doehler, Hans. Electric resistance element for space heaters. 3,009,044, 11–14–61, Cl. 219—19.

Doelcher, Harold S., to Borg-Warner Corp. Plug-in pump assembly. 2,978,150, 4–4–61, Cl. 222—333.

Doelger, John P., and R. Fennema, to Crane Co. Internal-cylinder-operated valve. 2,975,800, 3–21–61, Cl. 137—565.

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Doelter, Gandolph, to Omnifor S.A. Sliding clasp continuous fasteners. 3,005,247, 10–24–61, Cl. 24—205.1.

Doelz, Melvin L., and E. T. Heald, to Collins Radio Co. Minimum-shift data communication system. 2,977,417, 3–28–61, Cl. 178—51.

Doerfler, Carl F. Vertically adjustable pneumatic suspension for boat trailer. 3,012,795, 12–12–61, Cl. 280—43.3.

Doering, Fred W., and J. C. Morison, to Western Electric Co., Inc. Apparatus for making splicing-sleeve assemblies. 2,974,367, 3–14–61, Cl. 18—19.

Doering, Fred W., and J. C. Morison, to Western Electric Co., Inc. Device for supporting cables and the like. 3,003,211, 10–10–61, Cl. 24—126.

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Doerper, Alfred, to General Motors Corp. Transmission clutch shift facilitation device. 2,981,390, 4–25–61, Cl. 192—67.

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Manke, Joseph F., and Doerpinghaus. 2,976,419.

Doerpinghaus, Ernst H. Electric fuses for igniting explosive charges. 2,986,090, 5–30–61, Cl. 102—28.

Doerries, George H., to Curtiss-Wright Corp. Electrically controllable spring clutch and brake for power transmitting device. 2,975,648, 3–21–61, Cl. 74—377.

Doersam, Charles H., Jr. Data transmission system. 2,975,403, 3–14–61, Cl. 340—149.

Doersam, Charles H., Jr. Anemometer. 2,985,014, 5–23–61, Cl. 73—189.

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Doetsch, Hans P. Self-adjusting hydraulic shock absorber. 2,980,418, 4–18–61, Cl. 267—34.

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Doherty, Edward T., and A. F. O'Connor. Load bracing means. 2,977,899, 4–4–61, Cl. 105—369.

Doherty, George O. Means and methods of injecting or infusing fluids into patients. 3,000,380, 9–19–61, Cl. 128—214.

Doherty, George O. Apparatus for intravenously administering fluid. 3,010,453, 11–28–61, Cl. 128—214.

Doherty, James J.: *See*—
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Doherty, Patrick J. Workroom furniture. 3,010,774, 11–28–61, Cl. 312—209.

Doherty, William H., to Bell Telephone Laboratories, Inc. Hybrid sideband frequency modulation system. 2,989,622, 6–20–61, Cl. 250—6.

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Charles, Daniel, and Dohler. 2,972,700.

Dohr, Manfred: *See*—
Wulff, Carl, Dohr, and Krause. 2,997,462.

Dohr, Manfred, and H.-J. Krause, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Chlorinated triglycerides of fatty acids as secondary plasticizers for polyvinyl chloride. 2,969,339, 1–24–61, Cl. 260—23.

Dohr, Manfred, H.-J. Krause, and C. Wulff, to Henkel & Cie. Surface-active agents from polymeric substances. 2,971,015, 2–7–61, Cl. 260—404.5.

Dohre, Albin M. Spike cleaning device. 2,989,768, 6–27–61, Cl. 15—237.

Dohring, Hans M. Patty shell baking form. 2,975,699, 3–21–61, Cl. 99—442.

Dohrmann, Bruce: *See*—
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Doig, Alfred, Jr.: *See*—
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Doig, Stuart H. Method and means for forming and applying ribbon bows. 3,010,236, 11–28–61, Cl. 41—10.

Doiron, Emile. Furniture glue press attachment. 2,998,831, 9–5–61, Cl. 144—289.

Dolan, Robert W., to Pittsburgh Plate Glass Co. End brush. 3,007,188, 11–7–61, Cl. 15—180.

Dolan, Robert W., to Pittsburgh Plate Glass Co. End brush. 3,009,184, 11–21–61, Cl. 15—180.

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Ginsburg, Charles P., and Dolby. 2,968,692.

Dolby, Ray M., to Ampex Corp. Video system with transient and dropout compensation. 2,996,576, 8–15–61, Cl. 178—6.6.

Dolby, Ray M., to Ampex Corp. Circuit for clipping and reinserting reformed sync pulses in composite video signal. 3,003,869, 10–24–61, Cl. 178—7.1.

Dold, Chester W. Composite food package and method of making same. 2,987,402, 6–6–61, Cl. 99—171.

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Bauerlein, Carl C. 2,971,533.
Bauerlein, Carl C. 2,980,303.
Bauerlein, Carl C. 2,982,304.
Bauerlein, Carl C. 2,998,709.
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Erickson, Howard L., and Corbett. 3,006,378.
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Obermaier, Frank E. 3,003,320.
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Dolega, Frank J. Game apparatus. 3,009,700, 11–21–61, Cl. 273—95.

Doleman, Jack, and W. V. Morgan, to The British Rayon Research Association. Fluidised beds. 2,971,242, 1–14–61, Cl. 26—60.

Dolenic George: *See*—
Flickinger, William E., Sr., and Dolenic. 2,968,075.

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Dolezal, Fred F., and M. P. Maresh, said Maresh assor. to said Dolezal. Fine instruments lubricator with disposable lubricant cartridge. 2,996,223, 8–15–61, Cl. 222—327.

Dolhun, Leonard N., and R. J. Hicks, to Muskegon Piston Ring Co. Seal. 2,994,547, 8–1–61, Cl. 286—11.13.

Dolin, Edward T.: *See*—
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Dolin, Martin, A. M. Scandurra, and N. M. Poulos, to Applied Research Inc. Attenuator methods. 2,974,403, 3–14–61, Cl. 29—155.63.

Doll, Adalbert, to Vossloh-Werke G.m.b.H. Rail attachment means for use in railway tracks. 2,980,336, 4–18–61, Cl. 238—349.

Doll, Frank A., to Haller, Inc. Method of making a composite sintered powdered material article. 2,970,905, 2–7–61, Cl. 75—208.

Doll, Harvey J. Hitch pin. 2,970,852, 2–7–61, Cl. 280—515.

Doll, Henri-Georges, to Schlumberger Well Surveying Corp. Phase responsive alternating current networks. 2,983,874, 5–9–61, Cl. 328—166.

Doll, Henri-Georges, to Electro-Mechanical Research, Inc. Capacitive detector 3,012,189, 12–5–61, Cl. 324—40.

Doll, Henri-Georges, to Electro-Mechanical Research, Inc. Multiple frequency alternating current network. 3,012,190, 12–5–61, Cl. 324—71.

Doll, Henri-Georges, to Electro-Mechanical Research, Inc. Electrostatic shields. 3,013,102, 12–12–61, Cl. 174—35.

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Dollinger, Kenneth, to Raytheon Co. Noise reduction systems. 2,970,276 1–31–61, Cl. 330—9

Dollinger, Lewis L., to Dollinger Corp. Valve for a flush tank. 3,005,206, 10–24–61, Cl. 4—57.

Dollison, William W., to Otis Engineering Corp. Pilot valve. 2,986,157, 5–30–61, Cl. 137—458.

Dollison, William W., and P. S. Sizer, to Otis Engineering Corp. Ball-type surface safety valve. 2,973,005, 2–28–61, Cl. 137—458.

Dolliver, Morris A., W. B. McDowell, and J. J. Pfeiffer, Jr., to Olin Mathieson Chemical Corp. Preparation of phenothiazines. 3,004,028, 10–10–61, Cl. 260—268.

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Dolman, Henry J.: *See*—
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Dolphin, John R. V., to Hydraulic Developments Ltd. Collapsible road vehicle. 2,975,850, 3–21–61, Cl. 180—1.

Dolphin, Thomas J., and B. W. Roberts, to Westinghouse Electric Corp. Motor voltage regulator with adjustable rate control. 2,993,158, 7–18–61, Cl. 318—143.

Dölz, Heinrich. Reciprocating piston compressor. 3,007,625, 11–7–61, Cl. 230—55.

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Dolza, John, to General Motors Corp. Combustion chambers for engines. 2,969,786 1–31–61, Cl. 123—191

Dolza, John, to General Motors Corp. Offset piston-pin balancing arrangement for engines. 2,974,541, 3–14–61, Cl. 74—579.

Dolza, John, to General Motors Corp. Pump. 2,974,599, 3–14–61, Cl. 103—5.

Dolza, John, to General Motors Corp. Variable stroke diaphragm pump with eccentric drive. 2,981,197, 4–25–61, Cl. 103—38.

Dolza, John, to General Motors Corp. Variable clearance volume air compressor. 2,981,460, 4–25–61, Cl. 230—21.

Dolza, John. Self-leveling devices for vehicle suspensions. 2,981,551, 4–25–61, Cl. 280—124.

Dolza, John, to General Motors Corp. Starting, accelerating and braking mechanism for an internal combustion engine. 2,995,890, 8–15–61, Cl. 60—13.

Dolza, John, to Fiat Societa per Azioni. Commutator for dynamo electric machines and manufacturing method. 3,005,920, 10–24–61, Cl. 310—235

Dolza, John, and W. H. Kolbe, to General Motors Corp. Enrichment device. 2,990,826, 7–4–61, Cl. 123—139.

Dolza, John, and W. H. Kolbe, to General Motors Corp. Fuel injection system and manifold. 2,991,776, 7–11–61, Cl. 123—119.

Dom, Charles. Counter. 3,000,559, 9–19–61, Cl. 235—113.

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Domagalski, Bernard E., to Societe Anonyme dite: Etablissements Matenin. Arrangement for the changing of movable parts carried by vehicles. 2,985,325, 5–23–61, Cl. 214—38.

Domagalski, Bernard E., to Societe Anonyme dite: Etablissements Matenin. Trench excavator. 3,002,299, 10–3–61, Cl. 37—86.

Domagk, Gerhard: *See*—
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Domagk, Gerhard, K.-W. Schellhammer, S. Petersen, and H.-B. Konig, to Farbenfabriken Bayer Aktiengesellschaft. 8-aza-(linear naphthothiazole)-4,9-quinones substituted in the 2-position. 3,005,824, 10–24–61, Cl. 260—288.

Doman, David T., and W. L. McNulty, to Clinton Engines Corp. Carburetor control. 2,982,275, 5–2–61, Cl. 123—119.

Doman, Glidden S., to Doman Helicopters, Inc. Rotor and blade for rotorcraft. 3,007,654, 11–7–61, Cl. 244—17.11.

Doman, Glidden S., S. Du Pont, and R. W. Bewley, said Doman and said Du Pont assors. to Doman Helicopters, Inc. Swash plate operating mechanism and combination with swash plate. 2,978,038, 4–4–61, Cl. 170—160.25.

Doman, Glidden S., S. Du Pont, and M. C. Frengley, to Doman Helicopters, Inc. Helicopter rotor head. 3,007,530, 11–7–61, Cl. 170—160.26.

Doman Helicopters, Inc.: *See*—
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Doman, Glidden S. 3,007,654.
Doman, Glidden S., Du Pont, and Bewley. 2,978,038.
Doman, Glidden S., Du Pont, and Frengley. 3,007,530.

Doman, John J., and J. R. Dawes, to United States of America, Navy. Apparatus for producing a decontaminating solution. 2,967,763, 1–10–61, Cl. 23—252.

Domanski, Jerzy, and J. G. Linn, to The Sherwin-Williams Co. Composition for recoating acoustic tile and the like. 2,985,605, 5–23–61, Cl. 260—23.

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Dombrow, Bernard A., to Nopco Chemical Co. Foamed alkyd-polyisocyanate plastics. 2,999,823, 9–12–61, Cl. 260—2.5.

Dombrowski, Henry S., to E. I. du Pont de Nemours and Co. Production of high-purity, ductile titanium powder. 2,984,560, 5–16–61, Cl. 75—.5.

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Dombrowski, Kurt, to Philips Electronics Industries Ltd. Bowling pin distributor mechanism. 3,002,754, 10–3–61, Cl. 273—43.

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Dome, Robert B., to General Electric Co. Direct current transformer. 2,978,626, 4–4–61, Cl. 321—2.

Dome, Robert B., to General Electric Co. Push-pull audio amplifier direct current voltage divider. 2,993,177, 7–18–61, Cl. 330—70.

Domenach, Louis, to Compagnie Generale d'Electricite. High-power, high-voltage electric cable installation. 3,013,101, 12–12–61, Cl. 174—15.

Domenighetti, Costante. Deep trench excavator. 2,994,974, 8–8–61, Cl. 37—81.

Dominey, Alan M.: *See*—
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Dominguez-Rego, Jose. Circuit clock control for starting motors. 2,975,296, 3–14–61, Cl. 290—37.

Dominic, Ivan V., to Associated Spring Corp. Clip for connecting intersecting and abutting wires, rods and the like. 2,972,494, 2–21–61, Cl. 287—54.

Dominick, William E. Chewing gum preparation. 3,003,920, 10–10–61, Cl. 167—93.

Dominion Aeronautics Ltd.: *See*—
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Dominion Corset Co. Ltd.: *See*—
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Dominion Electrohome Industries Ltd.: *See*—
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Dominion Engineering Works Ltd.: *See*—
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Do-More Products Corp.: *See*—
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Lanctot, Donald H. 3,015,079.

Donahoe, H. C.: *See*—
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Donahue, Edwin L.: *See*—
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Donahue, Jerome T. Plastic furniture leg tip. 2,994,152, 8–1–61, Cl. 45—137.

Donahue, John: *See*—
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Donahue, Lawrence E., to Minneapolis-Honeywell Regulator Co. Air conditioning apparatus having remote pilot condition sensors. 2,978,183, 4–4–61, Cl. 236—13.

Donahue, William J., Jr., A. H. Erickson, and L. R. Butler, to United States of America, Navy. Delay arming device. 2,996,009, 8–15–61, Cl. 102—76.

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Roberts, John W., Daum, and Donahue. 2,984,172.

Donald, Alexander: *See*—
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Donald, Harold J., to The Dow Chemical Co. Granules of alkenylaromatic hydrocarbon polymer-rubber compositions with improved extrusion characteristics. 3,010,935, 11–28–61, Cl. 260—45.5.

Donald, Harold J., to The Dow Chemical Co. Method of making granules of alkenylaromatic hydrocarbon polymer-rubber compositions with improved extrusion characteristics. 3,012,282, 12–12–61, Cl. 18—47.5.

Donald, James, to Shwayder Bros., Inc. Lock. 2,967,418, 1–10–61, Cl. 70—71.

Donald, Russell S., to Electrarc, Inc. Method and apparatus for making shielded wire. 2,975,087, 3–14–61, Cl. 154—2.25.

Donaldson, Armand J. Mechanism for raising and lowering frame and mattress portions of hospital beds. 2,988,758, 6–20–61, Cl. 5—68.

Donaldson, James B., to T. W. Hand Fireworks Co. Ltd. Container closure. 3,000,304, 9–19–61, Cl. 102—39.

Donaldson, John S. Detachable connectors. 3,002,242, 10–3–61, Cl. 24—84.

Donaldson, Leonhart N., to West Penn Closure Corp. Method of assembling closure tips on plastic dispensing spouts. 2,987,812, 6–13–61, Cl. 29—453.

Donaldson, Raymond E.: *See*—
Thompson, Howard A., Donaldson, and White. 2,976,186.

Donaldson, Robert D., to General Aniline & Film Corp. Alkali metal salts of α,α'-anthraquinone disulfonates. 2,999,869, 9–12–61, Cl. 260—370.

Donaldson, Robert M., to Newport News Shipbuilding and Dry Dock Co. Rotary pressure vessels. 2,979,830, 4–18–61, Cl. 34—124.

Donan, John F.: *See*—
Eckdahl, Donald E., Sprague, Dobbins, Burns, Edwards, and Donan. 2,978,685.

Donatelli, Rudolph A.: *See*—
Crouch, Alfred H. 2,970,398.

Donath, Bernhard, and H.-J. Zetzmann, to Siemens & Halske Aktiengesellschaft. Apparatus for reducing the frequency band width of radar frequency mixtures and the like. 2,978,697, 4–4–61, Cl. 343—5.

Donath, Edwin W.: *See*—
Obermaier, Alfred A., and Donath. 2,996,911.

Donato, Anthony: *See*—
Neumann, Manfred, and Donato. 2,977,566.

Donato, Dominick J., to Lukens Steel Co. Flanging or spinning machine. 2,995,170, 8–8–61, Cl. 153—26.

Donatsch, Nicolaus, to Brevets Aero-Mecaniques S.A. Rifle equipped with a grenade throwing device and an aiming scale. 3,012,349, 12–12–61, Cl. 42—1.

Donceel, Jules L. J.: *See*—
Kruithof, Jakob, Nys, and Donceel. 3,001,022.

Dondeville Products Co., Inc.: *See*—
Rippe, Dondeville M. 2,975,818.

Done, Leslie D.: *See*—
Foster, David K. D., and Done. 3,013,310.

Done, Robert S.: *See*—
Cook, Melvin A., Done, and Woehrman. 3,004,462.

Donelson, Harlan J., Jr. Material spreader for confined areas. 2,980,009, 4–18–61, Cl. 98—55.

Donelson, Harlan J., Jr. Material spreader for confined areas. 3,001,465, 9–26–61, Cl. 98—55.

Doneshek, Sol. Ambient illumination of reticle for range-finder. 3,000,257, 9–19–61, Cl. 88—2.6.

Donetti, Eugene: *See*—
Wapling, George A., and Donetti. 3,006,521.

Donguy, Rene F. F., to Commissariat a l'Energie Atomique. Devices for holding filters intended to stop particles in suspension in gaseous streams. 2,974,749, 3–14–61, Cl. 183—62.

Doniger, Sundel. Cutting tools. 2,968,489, 1–17–61, Cl. 279—48.

Donker, Hendrik J. L. Method of manufacturing progressive burning molded nitrocellulose gun powder. 3,000,721, 9–19–61, Cl. 52—20.

Donkin, Ralph F., to American Screen Products Co. Device for assembling framed screens or storm windows. 3,014,507, 12–26–61, Cl. 140—109.

Donle, Edwin S., to Coro of Rhode Island, Inc. Bracelet with hinged arms biased by a planular spring. 2,996,899, 8–22–61, Cl. 63—9.

Donlin, John E., to Contemporary Structures, Inc. Building frame construction. 2,967,332, 1–10–61, Cl. 20—.5.

Donn Products Inc.: *See*—
Brown, Donald A. 2,984,946.
Brown, Donald A. 2,993,308.

Donnard, Reed E. Primer magazine cover for primer insert machine. 2,981,138, 4–25–61, Cl. 86—38.

Donnell, Hart B. Liquid level control for carburetors. 3,005,486, 10–24–61, Cl. 158—38.

Donnell, John W.: *See*—
Kish, Steven P., Donnell, and Graves. 2,970,818.

Donnell, Walter M., and C. A. Grantom, to M. M. King. Swivel pipe coupling having a laterally removable packing assembly. 2,981,557, 4–25–61, Cl. 285—32.

Donnellan, John J. Door mat with interchangeable indicia. 2,995,849, 8–15–61, Cl. 40—140.

Donnellan, John R., and B. Sheleg. Single spiral linearly polarized antenna. 2,991,474, 7–4–61, Cl. 343—895.

Donnelley R. R. & Sons Co.: *See*—
Billeter, Henry R. 2,984,330.
Caine, Rolland H. 2,984,566.
McCahon, John O. 2,969,554.
Schoenberger, Robert L., Jr. 3,006,633.
Wentworth, Robert B., and Strachan. 3,008,409.

Donnelly, Daniel W., to Ben-Hur Mfg. Co. Insulated wall construction. 2,986,301, 5–30–61, Cl. 220—15.

Donnelly, Edward P., Jr., to United States of America, Navy. Starting circuit. 2,970,279, 1–31–61, Cl. 331—108.

Donnelly, Harold F.: *See*—
Voigtman, Edward H., Donnelly, and Lamb. 2,996,424.

Donnelly, Harold F., to Kimberly-Clark Corp. Method of fabricating tissue. 3,014,832, 12–26–61, Cl. 162—111.

Donnelly, John F.: *See*—
Marcus, Konrad H., and Donnelly. 3,002,856.
Van Putten, James D., Jr., and Donnelly. 2,997,913.

Donnelly Mirrors, Inc.: *See*—
Arthur, Richard N., and Marcus. 3,004,473.
Marcus, Konrad H., and Donnelly. 3,002,856.
Van Putten, James D., Jr., and Donnelly. 2,997,913.

Donnelly, William R.: *See*—
Vance, John R., and Donnelly. 2,968,932.
Vance, John R., and Donnelly. 3,003,324.

Donner, Hans O. Lockage of breech of mortar barrel to counterplate. 3,003,399, 10–10–61, Cl. 89—37.

Donner, Verne P., W. W. Henning, and G. S. Allin, Jr., to International Harvester Co. Fluid power steering system. Re. 25,036, 9–12–61, Cl. 180—79.2.

Donner, Verne P., W. W. Henning, and G. S. Allin, Jr., to International Harvester Co. Actuating means for telemechanic fluid power steering system. 3,014,548, 12–26–61, Cl. 180—79.2.

Donofrio, Alfonso M.: *See*—
Leonard, Henry K., and Donofrio. 2,982,448.

D'Onofrio, Anthony.: *See*—
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D'Onofrio, Anthony, to Royal McBee Corp. Tabular braking system for typewriters and like business machines. 2,986,257, 5–30–61, Cl. 197—64.

D'Onofrio, Anthony, and G. D. Rivers. Automatic tabulating apparatus for typewriters or like machines. 2,988,193, 6–13–61, Cl. 197—177.

D'Onofrio, Anthony, to Royal McBee Corp. Automatic tabulating apparatus for typewriters or like machines. 2,988,194, 6–13–61, Cl. 197—177.

Donohoe, Martin A., to The Gleason Works. Ring gear and differential case assembly. 2,978,921, 4–11–61, Cl. 74—447.

Donohoe, Martin A., to The Gleason Works. Checking device for bevel gear blanks. 2,982,028, 5–2–61, Cl. 33—175.5.

Donohue, Frank L., and J. R. Teeple, to Sprague Electric Co. Arrowhead lead for wiring board. 2,994,057, 7–25–61, Cl. 339—17.

Donohue, Walter A., to McGraw-Edison Co. High temperature radio frequency cable and method of making the same. 3,005,038, 10–17–61, Cl. 174—102.

Donovan, Arthur: *See*—
Thoma, Oswald, Donovan, and Kempson. 2,976,685.

Donovan, John J., to United-Carr Fastener Corp. Tubing clip. 3,012,745, 12–12–61, Cl. 248—71.

Donovan, Marion. Facial tissue dispenser. 3,007,605, 11–7–61, Cl. 221—47.

Donovan, Mary J.: *See*—
Donovan, Patrick L. 2,982,429.

Donovan, Maurice, and M. J. Severs, to The General Electric Co. Ltd. Heating element assemblies for electric furnaces. 3,004,090, 10–10–61, Cl. 13—25.

Donovan, Patrick L., deceased, by M. J. Donovan. Farming equipment. 2,982,429, 5–2–61, Cl. 214—140.

Donovick, Richard, J. F. Pagano, and J. Vandeputte, to Olin Mathieson Chemical Corp. Thiostrepton, its salts, and production. 2,982,689, 5–2–61, Cl. 167—65.

Donovick, Richard, J. D. Dutcher, L. J. Heuser, and J. F. Pagano, to Olin Mathieson Chemical Corp. Antibiotics. 2,990,325, 6–27–61, Cl. 167—33.

Donovick, Richard, J. F. Pagano, and J. Vandeputte, to Olin Mathieson Chemical Corp. Nancimycin, dihydrocancimycin, their salts, and method of manufacture. 2,999,048, 9–5–61, Cl. 167—65.

Donowick, George, to Chicago Pneumatic Tool Co. Torque control means for impact wrenches. 2,974,553, 3–14–61, Cl. 81—52.3.

Donrico, Inc.: *See*—
Transport, Felix. 3,010,571.

Dooley, Elmo S. Process for preparing bacteriophage-impregnated paper discs for rapid identification of bacterial strains. 3,002,892, 10–3–61, Cl. 195—103.5.

Dooley, William D., 5% to W. J. Naughton. Folding ottoman. 3,011,181, 12–5–61, Cl. 5—111.

Dooley, William T., Jr. Disappearing article holding device. 2,970,720, 2–7–61, Cl. 220—85.

Doolittle, Howard D., to The Machlett Laboratories, Inc. Electrode structure for electron tubes. 2,977,496, 3–28–61, Cl. 313—169.

Doolittle, Marcus C., to The Trane Co. Damper for radiators. 2,983,215, 5–9–61, Cl. 98—40.

Doonan, James R.: *See*—
Zakheim, Murray, and Doonan. 3,012,985.

Dopera, Edward E.: *See*—
Dopera, Rudolph and E. E. 2,978,945.

Dopera, Rudolph and E. E. Magnetic pick ups. 2,978,945, 4–11–61, Cl. 84—1.15.

Dopp, Carl A., to Crane Co. Flexible double disc gate valve. 3,011,756, 12–5–61, Cl. 251—167.

Doppstadt, Adolph: *See*—
Siemer, Harm, and Doppstadt. 3,005,818.

Doran Bros., Inc.: *See*—
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Doran, Charles E., to Fairchild Camera and Instrument Corp. Variable-ratio drive for electronic line scan and recording machines. 2,978,536, 4–4–61, Cl. 178—6.6.

Doran, Donald P.: *See*—
Stone, Orison W., and Doran. 2,993,587.
Stone, Orison W., and Doran. 3,005,654.

Doran, James A., to Hosiptal Drainage Corp. Receptacle holder. 2,992,804, 7–18–61, Cl. 248—311.

D'Orazio, Peter J.: *See*—
Bohlen, Charles I., Sheppard, and D'Orazio. 3,004,772.

Dorczak, Michael E., and I. T. Basil, to United States of America, Air Force. Wide range stepped high voltage D.C. power supply. 3,012,199, 12–5–61, Cl. 328—26.

Dore, James E.: *See*—
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Doremus, R. Ellsworth and Richard E., to Krouse-Doremus Foundry Co. Valve member and seat material. 2,992,654, 7–18–61, Cl. 137—323.

Doremus, Richard E.: *See*—
Doremus, R. Ellsworth and Richard E. 2,992,654.

Dorenbosch, Matthew M., and P. W. Zingaro, to Philips Electronics, Inc. X-ray spectograph. 3,011,060, 11–28–61, Cl. 250—83.6.

Dorendorf, Heinz, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Diffusion transistor. 2,978,617, 4–4–61, Cl. 317—235.

Dorendorf, Heinz, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Filamentary semiconductor device. 2,993,126, 7–18–61, Cl. 307—88.5.

Dorendorf, Heinz, and H. Henker, to Siemens & Halske Aktiengesellschaft. Method of producing differentiated doping zones in semiconductor crystals. 2,999,776, 9–12–61, Cl. 148—1.6.

Dorey, George B., to Enterprise Railway Equipment Co. Vertically moveable latch for swinging hopper car doors. 2,970,551, 2–7–61, Cl. 105—253.

Dorey, George B., to Enterprise Railway Equipment Co. Hopper car outlet construction. 2,993,452, 7–25–61, Cl. 105—282.

Dorf, Fred B.: *See*—
Gordon, John E., Goodemoot, and Dorf. 3,004,027.

Dorfelt, Christoph, K. Hartel, and E. Reindl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Oxyalkylated organo-tin carboxylates. 2,977,379, 3–28–61, Cl. 260—429.7.

Dörfelt, Christoph, K. Härtel, and E. Reindl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Oxyalkylated organotin compounds and process for their preparation. 2,997,496, 8–22–61, Cl. 260—429.7.

Dorfman, Edwin: *See*—
Newcomer, Jack S., Weil, and Dorfman. 3,007,789.
Newcomer, Jack S., Weil, Dorfman, and Linder. 3,006,967.
Weil, Edward D., Dorfman, and Linder. 3,009,806.

Dorfman, Hiller D., and H. E. Reichert, to Westinghouse Electric Corp. Circuit interrupter. 3,009,036, 11–14–61, Cl. 200—114.

Dorfman, Hiller D., and H. E. Reichert, to Westinghouse Electric Corp. Circuit interrupter. 3,009,038, 11–14–61, Cl. 200—114.

Dorfman, Robert S.: *See*—
Bloom, Ell, and Dorfman. 3,003,839.

Dorinson, Amos, to Sinclair Refining Co. Lubricant composition. 2,969,326, 1–24–61, Cl. 252—48.4.

Dorinson, Amos, to Sinclair Refining Co. Sulfurized oil-soluble esters of chlorendic acid. 2,985,644, 5–23–61, Cl. 260—125.

Doris, Frank. Traction device for vehicle tire. 3,003,535, 10–10–61, Cl. 152—223.

Dorjee, Hendrik, to North American Philips Co., Inc. Switch. 2,967,218, 1–3–61, Cl. 200—76.

Dorken & Mankel K.G.: *See*—
Bomm, Heinz, and Berghaus. 3,011,208.

Dorkins, Evan E., to Young Spring & Wire Corp. Fluid motor mechanism. 2,997,988, 8–29–61, Cl. 121—50.

Dorkins, Evan E., to Young Spring & Wire Corp. Movement control apparatus. 3,002,354, 10–3–61, Cl. 60—52.

Dorland, Robert C., to Southwest Structural Concrete Corp. Prestressed concrete slabs. 3,007,284, 11–7–61, Cl. 50—128.

Dorlars, Alfons, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of nuclearly fluorinated pyridines, quinolines, isoquinolines and pyrimidines. 2,975,179, 3–14–61, Cl. 260—251.

Dorlars, Alfons, and R. Putter, to Farbenfabriken Bayer Aktiengesellschaft. Azo dyestuffs and their metal complex compounds. 2,969,350, 1–24–61, Cl. 260—148.

Dorling, Rolf: *See*—
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Dorman, Allison R., Jr.: *See*—
Yahn, Robert B., and Dorman. 2,993,231.

Dorman, Bruce A.: *See*—
Dorman, Harley A. and Bruce A. 2,969,936.

Dorman, Charles, to Sperry Rand Corp. Calculating machine carriage shift mechanism. 2,989,232, 6–20–61, Cl. 235—60.

Dorman, Harley A. and Bruce A. Aircraft with propeller enclosed in annular wing. 2,969,936, 1–31–61, Cl. 244—15.

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Dorn, Hans, to Firma Acrow-Wolffe Gesellschaft mit beschrankter Haftung. Mold element, particularly for sliding travelling or climbing molds. 3,003,218, 10–10–61, Cl. 25—131.

Dorn, John L., to Boeing Airplane Co. Elevator tab convertible from an anti-balance tab to an assist tab. 3,000,595, 9–19–61, Cl. 244—82.
Dornbreck, George L.: *See*—
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Wilson, Harry W., and Dornbush. 2,985,323.
Wilson, Harry W., and Dornbush. 3,013,369.
Dornbush, Herbert W.: *See*—
Zimsky, John J., Horelick, and Dornbush. 2,990,528.
Dornfeld, John E.: *See*—
Rubinstein, Harry W., Williams, and Dornfeld. 2,968,752.
Dornhoefer, Edna M.: *See*—
Dornhoefer, Warren J. and E. M. 2,972,097.
Dornhoefer, Warren J., deceased, by E. M. Dornhoefer, executrix, to The Warren Mfg. Co., Inc. Regulated power rectifier. 2,972,097, 2–14–61, Cl. 321—18.
Dornier, Peter, to Lindauer Dornier G.m.b.H. Device for inspecting moving lengths of fabric. 2,984,699, 5–16–61, Cl. 178—7.1.
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Smith, Bernard F. 2,983,062.
Dorosz, Adolph S., and W. R. Wade, to United Shoe Machinery Corp. Cement handling apparatus. 2,972,670, 2–21–61, Cl. 219—19.
Dorosz, Adolph S., A. J. Gilbride, and F. W. Spencer, to United Shoe Machinery Corp. Dip soldering machines. 3,000,342, 9–19–61, Cl. 113—129.
Dorothea, Gale. Adjustable sequence timer. 2,982,826, 5–2–61, Cl. 200—38.
Dorp, Walter V., to Manneswann-Meer Aktiengesellschaft. Sheet metal edging machines. 3,011,622, 12–5–61, Cl. 198—165.
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Fitch, Elliot B. 3,006,474.
Hummelen, Niklaas T. 2,991,948.
Knapp, Charles A., Budd, and Stone. 3,010,581.
Logan, Robert P. 2,991,983.
Morehouse, Charles R. 3,002,627.
Morehouse, Charles R., and Booth. 2,974,802.
Peltzer, Albert, Sr. 2,973,896.
Pitch, Elliot B. 2,981,413.
Price, Harold A. 2,970,468.
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Dorsett, Rowell R., ½ to Mangels, Herold Co., Inc. Method of and compositions for bleaching in acid solutions. 2,993,745, 7–25–61, Cl. 8—108.
Dorsey, John D., and R. D. Nicholas. Combination woodworking machine. 2,974,696, 3–14–61, Cl. 144—1.
Dorsey, Mercer M. Crusher bowl locking means. 2,972,448, 2–21–61, Cl. 241—286.
Dorsey, William S., to Union Oil Co. Apparatus and method for retorting of oil shale. 2,989,442, 6–20–61, Cl. 202—6.
Dorsky, Julian, and W. M. Easter, Jr., to The Givaudan Corp. Para-tertiary-butylhydrocinnamic aldehyde. 2,976,321, 3–21–61, Cl. 260—59.
Dorsky, Julian, and W. M. Easter, Jr., to The Givaudan Corp. Alpha-methylhydrocinnamic aldehyde dimethyl acetal. 2,976,327, 3–21–61, Cl. 260—611.
Dorsman, Adrian K., to North American Aviation, Inc. Magnetic pulse width modulator. 2,994,840, 8–1–61, Cl. 332—12.
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Dortort, Isadore K., to I-T-E Circuit Breaker Co. By-pass circuit for contact converters. 2,975,355, 3–14–61, Cl. 321—48.
Dortort, Isadore K., to I-T-E Circuit Breaker Co. Current balancing reactors for rectifier elements. 2,994,028, 7–25–61, Cl. 321—27.
Dortort, Isadore K., to I-T-E Circuit Breaker Co. Current balancing reactors for rectifier elements. 3,013,200, 12–12–61, Cl. 321—27.
Dorville, Robert, to Compagnie d'Etudes Techniques et Installations Generales. Revolving hopper mouth. 2,997,189, 8–22–61, Cl. 214—36.
Dory, Jacques, to Realisations Ultrasoniques. Electric signals display device. 2,995,926, 8–15–61, Cl. 73—67.8.
Dosmann, Lucian P., and R. N. Steel, to United States Rubber Co. Flexible shock absorbing polyurethane foam containing starch and method of preparing same. 3,004,934, 10–17–61, Cl. 260—2.5.
Doss, Richard C., to Phillips Petroleum Co. Monopropellants. 3,013,382, 12–19–61, Cl. 60—35.4.
Dossin, Victor, to Lepage, Urbain & Cie. Method for obtaining ethyl alcohol of high quality. 2,968,598, 1–17–61, Cl. 202—72.
Dotter, Paul, to Fichtel & Sachs A.G. Device for disengaging ratchet gears. 2,988,186, 6–13–61, Cl. 192—47.
Dotto, Gianni A., and W. D. Walther, to The Dayton Steel Foundry Co. Brakes. 3,013,636, 12–19–61, Cl. 188—72.
Doty, Charles R., R. J. Smith, L. A. Tate, and V. H. Cackowski, to International Business Machines Corp. Data transmission system. 2,975,228, 3–14–61, Cl. 178—3.
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Nelson, James F., Hunt, and Doty. 2,992,438.
Doty, John T. Pipe handling tongs. 3,011,821, 12–5–61, Cl. 294—104.
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Logan, Hugh H., Doty, and Nelson. 2,999,249.
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Crawford, John M., and Doty. 2,989,726.
Doub, Leonard, L. M. Richardson, and A. Campbell, to Parke, Davis & Co. Guanidino compounds and method of producing the same. 2,998,421, 8–29–61, Cl. 260—256.4.
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Double J Breaker Co.: *See*—
Johnson, Forrest A. 3,006,089.
Double Seal Ring Co.: *See*—
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Doucette, George G., Jr., to General Electric Co. Electrical apparatus. 2,987,684, 6–6–61, Cl. 336—12.
Douchet, Eugene, ½ to Societe JOP and ½ to Etablissements Taulet & Cie. Method and apparatus for producing plastic sheet material assemblies with decorative stimulated stitching thereon. 3,010,866, 11–28–61, Cl. 156—219.
Doudera, John J., Jr., to American Can Co. Method of and apparatus for venting side seams of can bodies. 3,005,432, 10–24–61, Cl. 113—120.
Doudlah, Anna M. Goniometer. 2,966,743, 1–3–61, Cl. 33—1.
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Dougherty, Patrick F.: *See*—
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Dougherty, Ronald C. Reversing clip for two-party line. 3,012,103, 12–5–61, Cl. 179—98.
Doughty, Ceola F. Batter's protector. 2,990,549, 7–4–61, Cl. 2—2.
Doughty, John A., to United States of America, Navy. Electric initiator and method of making same. 3,002,457, 10–3–61, Cl. 102—70.2.
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Del Mar, Bruce E. Re. 24,990.
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Manning, Charles G. 3,010,399.
Petersen, Thorvald K., and Smith. Re. 25,045.
Tharratt, George. 3,009,672.
Van Voorhees, Stanley. 2,984,221.
Westburg, Peter W. 3,013,748.
Douglas, Alvin P., to The Murray Ohio Mfg. Co. Brazed tubular bicycle steering fork assembly. 2,968,493, 1–17–61, Cl. 280—280.
Douglas, Charles E., & Co. Ltd.: *See*—
Marden, Bryan E. 2,982,071.
Douglas, David. Combination palette and paint holder. 2,992,501. 7–18–61, Cl. 41—4.
Douglas, Edwin J., to H. L. Stoker Co. Shakers for packing material in containers. 2,981,349, 4–25–61, Cl. 177—264.
Douglas, George A.: *See*—
Schulte, Marshall J., Douglas, and Ludemann. 2,972,410.
Douglas, Harry T.: *See*—
Lunn, James S., Douglas, and Vernegaard. 3,011,283.
Douglas, James E.: *See*—
Skei, Thurston, and Douglas. 3,013,868.
Douglas, James K., to The Oilgear Co. Hydraulic thrust bearing. 2,972,962. 2–28–61, Cl. 103—162.
Douglas, James W., 50% to E. G. Hall. Carpenter multiple use measuring tool. 3,004,344, 10–17–61, Cl. 33—88.
Douglas, Jocelyn F., and E. R. L. Gaughran, to Johnson & Johnson. Ficus enzyme and hydrophilic carrier composition. 2,995,493, 8–8–61, Cl. 167—73.
Douglas, John P.: *See*—
Marshall, John M., and Douglas. 3,010,610.
Douglas, Joseph D.: *See*—
Moore, Maxwell M., and Douglas. 2,998,586.
Douglas, Newhall. Image reproduction and control. 2,968,211, 1–17–61, Cl. 88—16.
Douglas, Peyton W., to Blackstone Corp. Pulsator mechanism for washing machines. 2,995,023, 8–8–61, Cl. 68—131.

Douglas Products Corp.: *See*—
Douglas, Warner A. 2,988,084.
Douglas, Samuel A., to General Precision Inc. Potentiometer. 3,004,233, 10–10–61, Cl. 338—162.
Douglas, Stuart D., deceased, by The National Bank of Commerce of Charleston, executor, to Union Carbide Corp. Reactive poly(vinyl chloride)resin-reactive plasticizer compositions. 3,008,911, 11–14–61, Cl. 260—23.
Douglas, Virgil R.: *See*—
Leathers, Clarence H., and Douglas. 3,003,559.
Douglas, Warner A., to Douglas Products Corp. Vibrator. 2,988,084, 6–13–61, Cl. 128—41.
Douglass, Francis B.: *See*—
Doak, James C. 2,970,594.
Douglass, John, Jr., to Shampaine Co. Clamping device. 2,998,954, 9–5–61, Cl. 248—229.
Douglass, Paul W., to General Time Corp. Constant torque escapement. 2,970,427, 2–7–61, Cl. 58—117.
Doulgheridis, Alcibiades M. Method of and means for sterilizing and preserving foods and other materials in containers. 2,997,397, 8–22–61, Cl. 99—182.
Doull, Roy D., and R. E. Magnuson. Dauber or the like. 2,975,452, 3–21–61, Cl. 15—209.
Doumani, Thomas F., to Union Oil Co. of California. Preparation of mercaptans. 3,006,966, 10–31–61, Cl. 260—609.
Doumani, Thomas F., and C. S. Coe, to Union Oil Co. of California. Method of operating a jet propulsion motor. 2,983,099, 5–9–61, Cl. 60—35.4.
Doumani, Thomas F., and H. C. Huffman, to Union Oil Co. of California. Hydroforming of a naphtha with a rhodium composite catalyst. 2,992,985, 7–18–61, Cl. 208—138.
Doundoulakis, George J., and I. Kamen, to General Bronze Corp. Feed system for broad band antenna. 2,989,748, 6–20–61, Cl. 343—781.
Douthitt, Merton H., to Texaco Development Corp. Packaging of tacky materials. 2,977,267, 3–28–61, Cl. 154—79.
Douthitt, Robert C.: *See*—
Mendelson, Myron J., Doig, and Douthitt. 2,994,066.
Douty, Alfred: *See*—
Schell, James H., Douty, and Faigen. 2,999,811.
Douville, Clayton J., and G. W. Oswald. Desiccating plug for barrel muzzles. 2,983,063, 5–9–61, Cl. 42—1.
Douwes, Cornelis T., and P. A. van Weeren, to Shell Oil Co. Denitrification of hydrocarbon oils. 3,014,860, 12–26–61, Cl. 208—254.
Dove, Blaine H. Exercising apparatus. 3,003,765, 10–10–61, Cl. 272—81.
Dove, Frank, to The Sperry Gyroscope Co. Ltd. Navigation and automatic control apparatus for aircraft. 2,969,208, 1–24–61, Cl. 244—77.
Dove, Frank, to The Sperry Gyroscope Co. Ltd. Inductive pick-off devices. 2,991,438, 7–4–61, Cl. 336—30.
Dover Corp.: *See*—
Adams, Gilbert T. 2,974,751.
Adams, Gilbert T. 2,998,245.
Arbogast, Duane J. 2,980,073.
Arbogast, Duane J., and Jaseph. 2,988,060.
Hesse, William E., Shawhan, and Pohlman. 2,978,070.
Jaseph, Lawrence F. 2,984,982.
Klaus, Richard M. 3,005,476.
Oakes, Marvin E. 2,984,368.
Racely, Kermit L. 3,013,635.
Dover, Samuel M. Reflector mounting element, 2,978,958, 4–11–61, Cl. 88—96.
Dovey, Norman E. Split sleeve latch. 3,012,419, 12–12–61, Cl. 64—6.
Dow Chemical Co., The: *See*—
Adams, Jack J., and Gunderman. 3,006,799.
Allen, Donald R. and A. S. 3,008,881.
Amos, James L., Ludington, and Hunt. 3,004,899.
Anderson, Arthur W., Greminger, Beaver, and Rodgers. 3,000,763.
Armen, Ardy, Ehlers, and Murdock. 2,997,449.
Arnold, John L., and Hofmeyer. 2,988,171.
Asadorian, Arthur A. 2,979,537.
Asadorian, Arthur A., and Burk. 2,979,540.
Asadorian, Arthur A., and Burk. 3,000,980.
Bachtel, Howard J. 2,970,113.
Bakke, William W., Walles, and Tousignant. 2,993,031.
Ballast, Donald E., Wiley, and Bates. 2,968,066.
Bartolomeo, Frank A., Ledbetter, and McDuff. 3,004,963.
Bauman, William C. 2,968,318.
Berke, Eugene A., and Jahn. 2,973,285.
Blair, Etcyl H. 2,971,974.
Blue, Robert D., and Cobel. 2,983,600.
Bowman, Carlos M. 2,976,315.
Bowman, Carlos M. 2,976,328.
Bowman, Carlos M., and Watson. 2,976,313.
Bowman, Carlos M., and Watson. 2,976,314.
Braeuninger, Karl F. 2,974,710.
Braeuninger, Karl F., and Harris. 2,992,688.
Bressler, Wilbur L., and Ward. 2,990,376.
Britton, Edgar C., Wheeler, and Young. 2,969,370.
Brower, Frank M. 2,977,330.
Brown, John H., Jr., and Lorette. 2,978,469.
Bruce, John P., and Boudreaux. 3,003,968.
Brust, Harry F. 2,971,976.
Bryant, Burl E., Truchelut, and Hudgins. 2,991,221.
Burgert, Billy E. 2,987,509.
Burton, Drury R. 3,001,689.
Butt, Frederick J., and Moyle. 3,002,883.
Call, Robert G. 3,003,970.

Dow Chemical Co., The: *See*—Continued
Childs, William I. 2,991,156.
Chisholm, Douglas S., and Bylsma. 3,003,193.
Clark, Gerald A., and Havens. 3,000,855.
Clarke, James A. 3,014,780.
Clock, Gerald E., Rupprecht, and Cummings. 3,011,903.
Cloninger, Lamar C., and Arnesen. 3,006,830.
Cooper, Ronald H. 2,967,338.
Cooper, Ronald H. 2,975,494.
Cooper, Ronald H. 3,013,894.
Costa, John E., Le Boeuf, and Lefevre. 2,980,982.
Couling, Sidney L., and Zvanut. 3,014,824.
Crabb, Clarence R., Hughes, and McDonald. 2,998,462.
Crabb, Clarence R., Hughes, and McDonald. 2,999,886.
Crafford, Joseph C. 2,968,203.
Davis, Billy D. 2,987,555.
Davis, Clyde W., Ehlers, and Barnard. 2,980,635.
Davis, Ralph A., and Broadworth. 3,002,934.
Debaven, Eugene S. 2,973,936.
De Haven, Eugene S. 3,013,767.
De Long, Herbert K., and Ritzema. 2,975,073.
Despić, Alexander, and Kosanović. 3,004,932.
Doedens, James D., and Rosenbrock. 3,004,072.
Donald, Harold J. 3,010,935.
Donald, Harold J. 3,012,282.
Dreisbach, Robert R., Gifford, Lipke, and Sterling. 3,005,796.
Dreisbach, Robert R., and Lang. 2,992,942.
Dreisbach, Robert R., and Lang. 3,011,917.
Dunbar, Joseph E. 2,993,060.
Easley, John A., and Hopkins. 2,979,387.
Eberhard, John F., and Rosene. 3,003,899.
Ehlers, Forrest A. 3,003,845.
Eichhorn, Jacob, Rubens, Fahlgren, and Pomranky. 3,009,906.
Ellers, Louis H. 2,989,485.
Emery, Jerrell B. 3,000,788.
Finster, Kenneth C. 2,975,478.
Floria, Vernon D. 2,971,935.
Floria, Vernon D., and Towsley. 2,971,947.
Flynn, James P. 2,991,149.
Foerster, George S. 2,979,398.
Fredrickson, Robert E., Mod, and Harrell. 2,985,508.
Frevel, Ludo K., and Kressley. 2,981,768.
Frevel, Ludo K., and Kressley. 2,981,769.
Friedrich, Louis C., Jr., Peters, and Rector. 2,968,651.
Friedrich, Ralph E., Wiley, and Garrett. 2,982,749.
Goodenough, Robert D. 2,977,185.
Goodenough, Robert D., and Stenger. 2,980,497.
Goodenough, Robert D., and Stenger. 2,980,499.
Goodenough, Robert D., and Stenger. 2,980,502.
Gordon, David A. 3,005,026.
Gordon, David A., and Burgert. 2,967,186.
Goring, Cleve A. I. 3,009,804.
Goring, Cleve A. I. 3,009,805.
Goring, Cleve A. I. 3,011,884.
Goring, Cleve A. I. 3,011,885.
Goring, Cleve A. I. 3,011,886.
Gray, Don N. 2,971,028.
Grebe, John J., and Miller. 2,990,267.
Gruenhagen, Richard H., Ashby, Britton, and Horsley. 2,971,884.
Gurgiolo, Arthur E. 3,000,865.
Hampton, Thomas C., and Mock. 2,993,782.
Hanson, Alden W., and Best. 2,989,517.
Harrell, Bob R. 3,006,724.
Hatch, Melvin J. 3,013,994.
Havens, Carl B. 2,973,347.
Havens, Carl B. 2,977,335.
Havens, Carl B. 3,000,853.
Hawley, Harold M., Arthur, and Allen. 2,996,467.
Hemwall, John B. 3,008,816.
Hennes, John H. 3,009,950.
Hennis, Henry E. 3,004,041.
Hennis, Henry E., and Rosenbrock. 2,993,055.
Hill, Richard L., and Park. 2,979,419.
Hradel, Joseph R. 3,012,868.
Hradel, Joseph R., and Staadt. 2,992,912.
Hudson, Robert L. 2,967,879.
Hudson, Robert L. 2,971,030.
Hudson, Robert L. 2,993,058.
Hudson, Robert L. 3,012,044.
Hunt, Wilson W., Ludington, and Amos. 2,970,089.
Hunt, Wilson W., Ludington, and Amos. 3,004,900.
Ilgenfritz, Edgar M., and Ruh. 2,996,556.
Jackman, Robert M. 3,007,833.
Jankens, Austin L., and Hoerger. 2,975,074.
Jones, William C., and Klein. 2,976,567.
Josephs, Melvin J. 2,981,619.
Josephs, Melvin J. 2,997,380.
Josephs, Melvin J. 3,004,843.
Josephs, Melvin J. 3,007,788.
Juckniess, Paul R. 3,000,705.
Kaeding, Warren W. 2,984,682.
Kaeding, Warren W. 2,997,499.
Kaeding, Warren W. 3,005,823.
Kaeding, Warren W. 3,009,909.
Kaeding, Warren W. 3,012,067.
Karpiuk, Robert S. 2,967,808.
Kerr, Jack D., and Ryan. 3,009,873.
Klein, Walter A., Mason, and Holzschu. 3,011,688.
Kundiger, Donald G., and Hennes. 3,000,904.
Kundiger, Donald G., and Morris. 2,969,389.
Kundiger, Donald G., and Soulen. 3,008,994.

Dow Chemical Co., The: *See*—Continued
Lang, John L. 2,967,855.
Lang, John L. 3,004,954.
Lang, John L., Jones, Roche, and Ingley. 2,974,125.
Larsen, Eric R. 2,971,990.
Larsen, Eric R. 2,988,559.
Lashua, Sherman C., and Schweitzer. 2,970,070.
Lefevre, Leonard J., and Childs. 2,970,071.
Levine, Charles A. 2,979,447.
Long, Samuel W., and Moss. 2,976,324.
Long, Samuel W., and Moss. 2,976,325.
Louch, James B., and Archer. 3,005,743.
Mack, Arnold O. 2,996,843.
Malin, Herbert. 2,976,270.
Marshall, Stephen V. T., and Bird. 3,011,212.
Mattano, Leonard A., and Hatch. 2,977,328.
Mattano, Leonard A., and Schwalm. 3,003,866.
Mattson, Guy C. 2,997,502.
Maylott, Asa O., and Elkins. 2,989,450.
Maylott, Asa O., and Meyer. 3,007,964.
McMaster, Elmer L. 2,992,544.
McMaster, Elmer L., and Glesner. 2,980,721.
McNally, Howard L. 2,986,773.
Mock, Richard A., Calkins, and Marshall. 2,980,607.
Moeller, Delmer H., and Gray. 3,007,834.
Monroe, Roger F. 2,973,393.
Monroe, Roger F. 3,009,967.
Monroe, Roger F., and Anderson. 2,986,569.
Monroe, Roger F., and Anderson. 2,986,570.
Monroe, Roger F., and Lowes. 2,993,865.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,862.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,863.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,864.
Monroe, Roger F., and Rapp. 2,997,507.
Moss, Rodney D. 3,012,054.
Moyle, Clarence L., and Meints. 2,993,062.
Mulloy, John F. 3,005,012.
Mussell, Dorsey R. 2,989,391.
Nash, Harold A., and Jeffries. 2,993,836.
Nelson, Alfred R., and Jankowiak. 2,974,129.
Noddings, Charles R. 2,996,557.
Norton, Frederick H. 3,007,939.
Norton, Frederick H., and Young. 2,971,986.
Olah, George A., and Kuhn. 2,981,602.
Olah, George A., and Kuhn. 2,998,460.
Olah, George A., and Kuhn. 3,000,986.
Olah, George A., Kuhn, and Barnes. 2,996,554.
Oldershaw, Charles F., and Lynn. 3,014,702.
Oldershaw, Charles F., and Wiley. 3,008,696.
Olstowski, Franciszek. 2,968,599.
Olstowski, Franciszek. 3,007,772.
Olstowski, Franciszek, and Newport. 2,992,281.
Olstowski, Franciszek, and Watson. 2,992,280.
Paige, Janet N. 3,004,969.
Paige, Janet N. 3,004,988.
Park, William R. R., and Foley. 2,991,199.
Parks, Christ F. 2,976,176.
Partansky, Alexander M. 2,967,838.
Pashak, John F. 2,967,104.
Pennington, Donald W., Ballard, and Mod. 2,996,356.
Perlard, John N. 3,007,776.
Pfeifer, Charles R., and Whipple. 2,967,857.
Pollard, Eliza G., and Rubens. 3,013,996.
Powell, Hobart W., Jr. 2,981,334.
Prescott, Wesley E., and Bressler. 2,989,502.
Price, Raymond M., and Roche. 2,985,630.
Pruitt, Malcolm E. 2,988,441.
Pruitt, Malcolm E., Baggett, and McMichael. 3,004,840.
Pursglove, Laurence A. 2,968,673.
Pursglove, Laurence A. 3,000,930.
Rabourn, Warren J., Jr. 3,002,586.
Raley, Charles F., Jr., and Nummy. 3,004,935.
Raths, Fred W. 2,975,207.
Raths, Fred W. 2,988,566.
Rausch, Douglas A. 2,996,555.
Reich, Cecil E. 3,003,998.
Rickert, Herbert B. 2,971,932.
Rickert, Herbert B. 2,991,189.
Rieke, James K., and Moore. 2,987,501.
Rigterink, Raymond H. 3,010,969.
Roberts, Carleton W. 2,967,842.
Robertson, Dale N. 3,005,825.
Roller, George G. 3,012,063.
Roller, George G. 3,014,068.
Roller, George G., and Holly. 2,993,073.
Romesberg, Floyd E., and Karlinski. 3,009,207.
Rosenbrock, Earl H., and Doedens. 3,000,839.
Ross, Oren E., and Grinnell. 2,996,764.
Ruffing, Norman R., and Amos. 2,987,508.
Ruffing, Norman R., and Amos. 3,008,937.
Ruh, Robert P., and Davis. 3,006,727.
Ruh, Robert P., and Stowe. 2,967,183.
Schweitzer, William K., Jr. 3,000,851.
Scigliano, Joseph J., and Britton. 2,975,181.
Senkbeil, Herman O. 3,005,001.
Sexton, Arthur R., and Britton. 2,968,664.
Shulgin, Alexander T. 2,997,498.
Shulgin, Alexander T. 3,012,068.
Silvernail, Lloyd H., and Zembal. 3,011,918.
Smith, John C. 2,967,892.
Smith, Joseph A., Steinhauer, and Valenta. 2,992,999.
Snyder, Walter C., and Prindle. 2,998,330.
Soderquist, Frederick J., and Amos. 2,979,536.
Sonnabend, Lawrence F. 3,004,953.

Dow Chemical Co., The: *See*—Continued
Sovish, Richard C. 3,006,895.
Sovish, Richard C., and Saunders. 2,998,329.
Stanton, George W. 2,983,571.
Stanton, George W., and Armen. 2,970,884.
Stanton, George W., and Traylor. 3,008,918.
Stark, Alan H. 3,007,903.
Steinhauer, Alfred F., and Valenta. 2,990,375.
Sterling, George B. 2,968,645.
Sterling, George B., and Mulloy. 2,996,480.
Stilbert, Elmer K., Zembal, and Silvernail. 2,972,560.
Stillo, Horatio S., Kolat, and Nummy. 2,981,692.
Stoesser, Wesley C., and Surine. 2,987,539.
Sturkey, Lorenzo, and Kurfman. 2,976,143.
Tabor, Edward J. 3,005,005.
Teitel, Robert J. 2,974,942.
Teot, Arthur S. 2,991,145.
Thomka, Laddie M., and Heckeroth. 2,993,036.
Tolkmith, Henry. 2,967,180.
Tolkmith, Henry. 2,968,668.
Tollar, James E., and Longstreth. 3,011,214.
Tousignant, William F., and Walles. 3,004,950.
Urchick, Demetrius. 3,008,920.
Vandegaer, Jan E., and Lang. 2,997,206.
Van Dijk, Christiaan P., and Murdock. 2,996,538.
Voeks, John F., and Traylor. 2,982,762.
Weidner, Charles L., and Dunlap. 2,995,512.
West, Samuel R., Thompson, and Paul. 2,975,834.
Wheaton, Robert M., and Anderson. 2,980,498.
Wheeler, Donald D., and Young. 2,967,184.
Wheeler, Donald D., and Young. 2,989,541.
Wheeler, Donald D., and Young. 2,997,481.
Whitby, Lawrence. 2,980,559.
Whitby, Lawrence. 3,004,879.
Wing, Richard E., and Hofmeyer. 2,991,188.
Youngson, Charles R. 3,005,749.
Youngson, Charles R., and Goring. 2,988,479.
Youngson, Charles R., and Goring. 3,003,914.
Youngson, Charles R., and Goring. 3,009,853.
Zimmerman, Stanley D. 2,992,238.
Zimmermann, Robert L. 2,985,594.

Dow Corning Corp.: *See*—
Alsgaard, Richard W., and Gilkey. 2,970,881.
Awe, Richard W., and Schiefer. 3,002,927.
Awe, Richard W., and Schiefer. 3,002,989.
Barnes, Garrett H., Jr., and Schweitzer. 2,967,171.
Beasley, Hazel C. 2,990,230.
Brown, Eric D., and Hunter. 2,983,697.
Burdick, Duane F. 2,999,040.
Carlson, Barber C. 3,011,908.
Clark, Harold A. 3,002,848.
Delphenich, John S. 2,999,078.
Falk, Richard A. 3,002,988.
Gordon, Arthur F. 2,983,711.
Haire, Edwin I. 2,983,620.
Harper, Jack R. 2,979,420.
Holbrook, George W., and Steward. 3,012,006.
Hyde, James F. 3,002,986.
Johannson, Oscar K. 2,994,684.
Johannson, Oskar K. 3,002,951.
May, William C. 2,990,377.
Merker, Robert L. 2,967,170.
Piccoli, William A. 2,979,482.
Pierce, Ogden, R., and Holbrook. 2,979,519.
Ragborg, William H. 2,990,373.
Smith, Donald D., Frisch, and Pierce. 2,983,746.
Speier, John L. 2,971,864.
Speier, John L. 2,983,745.
Talcott, Thomas D. 2,999,076.
Talcott, Thomas D. 3,006,878.
Thomas, John H. 2,970,973.
Thomas, Robert N. 3,002,946.

Dow, Daniel G.: *See*—
Lagerstrom, Richard P., and Dow. 2,967,259.

Dow, Daniel G., to United States of America, Navy. Helically-strapped multifilar helices. 2,971,114, 2-7-61, Cl. 315—3.6.

Dow Jones & Co., Inc.: *See*—
Paulding, Herbert L., and Yu. 2,973,897.

Dow, Joseph W., to United States of America, Navy. Velocity sensitive runout brake control system. 2,969,856, 1-31-61, Cl. 188—110.

Dow, Willard M., to Delta Tank Mfg. Co. Processes and apparatus for recovering hydrocarbons from gas streams. 2,982,721, 5-2-61, Cl. 208—340.

Dowdall, Donald C.: *See*—
Backlund, Robert R. B., Balley, Goloff, Dowdall, and Kiley. 2,977,778.

Dowden, Dennis A.: *See*—
Spencer, Michael S., and Dowden. 3,009,969.

Dowden, Dennis A., and A. M. U. Caldwell, to Imperial Chemical Industries Ltd. Catalysts. 2,977,324, 3-28-61, Cl. 252—443.

Dowden, Dennis A., and A. M. U. Caldwell, to Imperial Chemical Industries Ltd. Oxidation processes. 2,995,528, 8-8-61, Cl. 252—464.

Dowden, Dennis A., and A. M. U. Caldwell, to Imperial Chemical Industries Ltd. Oxidation of aromatic hydrocarbons. 3,012,043, 12-5-61, Cl. 260—346.4.

Dowden, Philip R.: *See*—
Stevenson, James J., and Dowden. 2,983,990.

Dowdle, Vestel O. Clutch and brake mechanism for a rotary-type mowing machine. 2,985,992, 5-30-61, Cl. 56—25.4.

Dowdy, J Y Miller. Portable grill. 2,977,953, 4–4–61, Cl. 126—30.
Dowell, Arthur M., Jr.: *See*—
Dean, Walter L., and Dowell. 2,993,797.
Dowley, William J. Nut splitting tool. 2,994,955, 8–8–61, Cl. 30—272.
Dowling, Arthur J. Severe storm and tornado warner. 2,976,522, 3–21–61, Cl. 340—220.
Dowling, Thomas P.: *See*—
Griffith, George L., Dowling, and Wells. 2,993,441.
Dowling, William C.: *See*—
Merz, Richard E., Brown, and Dowling. 2,998,417.
Downen, Jim L., ½ to C. A. Sutliff. Hydraulic oil well jar. 2,989,132, 6–20–61, Cl. 175—297.
Downey, Aspasia: *See*—
Downey, Richard V. 2,980,262.
Downey, George T.: *See*—
Mould, Richard J., and Downey. 2,998,138.
Downey, Richard V., deceased; A. Downey, executrix. Knock-down display rack. 2,980,262, 4–18–61, Cl. 211—148.
Downie, Arthur, and D. W. Haubold, to Spinn-Con-troll, Inc. Trolling attachment for outboard motors. 2,998,795, 9–5–61, Cl. 114—145.
Downie, Gerald. Methods of and means for packing commodities. 3,000,152, 9–19–61, Cl. 53—14.
Downing, Alan H. Packaging method and means. 3,000,495, 9–19–61, Cl. 206—59.
Downing, Edward T.: *See*—
La Rue, Albert D., and Downing. 2,983,843.
Downing, Harold: *See*—
Thwaites, George P., and Downing. 2,973,787.
Downing, John: *See*—
Groombridge, Denis W., Hawtin, and Downing. 2,968,834.
Hawtin, Selwyn G., Upton, and Downing. 3,001,231.
Downing, John, to British Celanese Ltd. Manufacture of cellulose triacetate textile materials. 2,982,598, 5–2–61, Cl. 18—54.
Downing, John H. Golf club cleaning device. 2,981,964, 5–2–61, Cl. 15—105.
Downing, Richard M., L. T. Staats, Jr., and N. C. Wyeth, to E. I. du Pont de Nemours and Co. Apparatus for wire manufacture. 2,973,552, 3–7–61, Cl. 18—13.
Downing, Verlan L., to J. W. Harvey, R. A. Neuman, and J. Spencer, trading as Elliott Bay Lumber Co. Adhesive-bearing veneer strip material, process of making same and process of applying same to plywood panel edges. 3,011,932, 12–5–61, Cl. 154—45.9.
Downing, Willis T. Expansion joint with bellows seal and leakage disposal. 3,001,801, 9–26–61, Cl. 285—13.
Downs, Albert O., Jr., to The Babcock & Wilcox Co. Combustion apparatus for low heat value fuel. 2,976,855, 3–28–61, Cl. 122—7.
Downs, Edgar S. Liquid fuel burning heater. 2,966,944, 1–3–61, Cl. 158—96.
Downs, Edgar S. Liquid fuel burning heater. 2,966,945, 1–3–61, Cl. 158—96.
Downs, Martin L., and R. A. Nelson, to Thilmany Pulp & Paper Co. Machine glazed paper. 2,999,786, 9–12–61, Cl. 162—129.
Downs, Martin L., and R. A. Nelson, to Thilmany Pulp & Paper Co. Machine glazed paper. 2,999,787, 9–12–61, Cl. 162—135.
Downs, Russell E., to The Fafnir Bearing Co. Take-up unit. 2,994,568, 8–1–61, Cl. 308—59.
Downs, Sewell H., and W. C. Zeluff, to Clarage Fan Co. Apparatus relating to centrifugal wheel inlet boundary control. 3,011,693, 12–5–61, Cl. 230—127.
Downs, William W., to Armstrong Cork Co. Loom picker. 2,968,322, 1–17–61, Cl. 139—159.
Dowsett, Harry L., H. L. Jefferies, A. L. Ruckley, N. L. Samways, to Dowsett Holdings Ltd. Separating device and method. 3,011,636, 12–5–61, Cl. 209—156.
Dowsett Holdings Ltd.: *See*—
Dowsett, Harry L., Jefferies, Ruckley, and Samways. 3,011,636.
Dowty Fuel Systems Ltd.: *See*—
Matthews, Robert B 2,987,117.
Tyler, Stanley R. 2,969,022.
Dowty Hydraulic Units Ltd.: *See*—
Bowers, Eric H., and Thoma. 2,985,184.
Bowers, Eric H., and Thoma. 2,987,006.
Bowers, Eric H., and Thoma. 3,003,309.
Simmons, Harold C. 2,985,319.
Thoma, Oswald, Donovan, and Kempson. 2,976,685.
Dowty Mining Equipment Ltd.: *See*—
Frye, Colin M. 2,976,883.
Frye, Colin M. 3,001,808.
Marlow, Michael J. 3,000,358.
Dowty Nucleonics Ltd.: *See*—
Greaves, Edwin. 2,967,919.
Dowty Rotol Ltd.: *See*—
Hales, John. 3,000,622.
Nicholl, Edward J. 2,977,072.
Doxey, Frank, to Dominion Coal Co., Ltd. Continuous mining machine having vertical cutting rotors. 3,006,624, 10–31–61, Cl. 262—9.
Doxford, William, & Sons (Engineers) Ltd.: *See*—
Jackson, Percy. 2,979,967.
Jackson, Percy. 2,998,808.
Doyen, Earl C. Earth moving system. 2,981,014, 4–25–61, Cl. 37—116.
Doyle, Edmund F., to Bell Telephone Laboratories, Inc. Fastening device. 3,001,755, 9–26–61, Cl. 248—360.
Doyle, Elmer W. Bowling ball grip gauges. 2,976,616, 3–28–61, Cl. 33—174.
Doyle, Frank B. Apparatus for moistening tobacco. 2,997,046, 8–22–61, Cl. 131—133.
Doyle, Frank J.: *See*—
Chase, Corson W., and Doyle. 2,986,088.
Doyle, Frank J. Scraper for removing coal dust and other materials from coal mine floors. 2,973,536, 3–7–61, Cl. 15—93.
Doyle, Frank P., and J. H. C. Nayler. Synthetic penicillins. 2,996,501, 8–15–61, Cl. 260—239.1.
Doyle, Frank P., J. H. C. Nayler, and H. Smith. Alpha-aminobenzylpenicillins. 2,985,648, 5–23–61, Cl. 260—239.1.
Doyle, Jerry M., R. H. Brookshier, and R. L. Montgomery. Moisture absorbing plug for a firearm chamber. 2,985,979, 5–30–61, Cl. 42—1.
Doyle, Malcolm G., to General Electric Co. Range timer. 2,993,099, 7–18–61, Cl. 200—38.
Doyle, Orville K.: *See*—
Schoepe, Adolf, and Doyle. 2,985,291.
Doyle, Orville K. Valve. 2,986,155, 5–30–61, Cl. 137—218.
Doyle, Richard H.: *See*—
Wandel, Oscar A., and Doyle. 2,979,725.
Doyle, Russell P.: *See*—
Edmonds, Frank A., and Doyle. 2,970,033.
Doyle, Thomas. Abrasive polishing wheel. 3,008,168, 11–14–61, Cl. 15—230.
Dozier, Robert H. Golf bag cover. 2,985,212, 5–23–61, Cl. 150—52.
Drabik, Walter: *See*—
Stigler, Willard R., and Drabik. 2,990,487.
Drabik, Walter, and W. R. Stigler, to General Motors Corp. Dynamoelectric machine slot wedges. 3,009,073, 11–14–61, Cl. 310—214.
Dracka, Clarence L., to Port Clinton Mfg. Co. Brake slack adjuster. 3,008,344, 11–14–61, Cl. 74—527.
Dracka, Clarence L., to Port Clinton Mfg. Co. Predetermined torque release wrench. 3,012,456, 12–12–61, Cl. 81—52.4.
Drackett Co., The: *See*—
Boehm, John F. 2,991,915.
Boehm, John F. 2,998,167.
Stewart, James U., and Cooprider. 2,966,861.
Stewart, James U., and Cooprider. 2,974,880.
Dracone Developments Ltd.: *See*—
Hasler, Herbert G. 2,998,792.
Hawthorne, William R., and Shaw. 2,997,973.
Hawthorne, William R., and Shaw. 2,998,793.
Hawthorne, William R., and Shaw. 3,001,501.
Drader, Clarence. Bread carriers. 2,994,463, 8–1–61, Cl. 224—48.
Drader, Joseph C., to Michigan Tool Co. Machine. 2,995,964, 8–15–61, Cl. 80—20.
Draeger, Kenneth E.: *See*—
Arey, William F., Jr., and Draeger. 2,992,285.
Draenert, Max. Portable power-operated edge-trimming tool. 3,006,390, 10–31–61, Cl. 144—117.
Drager, Otto H.: *See*—
Stoffregen, Jurgen, and Oehmig. 2,967,525.
Draghi, Robert A., and C. Mayblom, said Mayblom assor. to said Draghi. Camera shutter. 2,980,003, 4–18–61, Cl. 95—63.
Dragonuk, Leo, to United States of America, Navy. Material handling apparatus. 2,979,212, 4–11–61, Cl. 214—1.
Dragonuk, Leo. Variable speed drive. 3,013,438, 12–19–61, Cl. 74—116.
Draheim, Rex. Cattle neck chain. 2,989,030, 6–20–61, Cl. 119—106.
Draheim, Willi, to Rhein-Handel, Gesellschaft fur Import, Export und Transit, Etablissement. Tape recorder. 2,973,156, 2–28–61, Cl. 242—55.12.
Drahoš, Vladimir: *See*—
Delong, Armin, Drahoš, and Speciálný. 2,993,993.
Draijer, Wiebe. Oil or gas burner comprising a device for controlling the air supply in the blowing aperture of said burner. 2,982,345, 5–2–61, Cl. 158—115.
Drain Enterprises, Inc.: *See*—
Geen, Arthur J. 2,967,050.
Drain Machinery & Supply Co.: *See*—
Ensley, Irvin L., and Lupher. 2,991,744.
Drake, George F.: *See*—
Oldenburger, Rufus, and Drake. 2,992,650.
Drake, George F., to Woodward Governor Co. Condition regulating apparatus. 3,004,527, 10–17–61, Cl. 121—42.
Drake, George F., to Woodward Governor Co. Apparatus for controlling prime movers. 3,007,054, 10–31–61, Cl. 290—40.
Drake, George L., Jr., W. A. Reeves, and J. D. Guthrie, to United States of America, Agriculture. Fibrous textile cellulosic phosphonomethyl ethers and process of preparation. 2,979,374, 4–11–61, Cl. 88—120.
Drake, Herman A., R. Howard, and A. E. Fonken, to The Upjohn Co. Dehydration of nuclear hydroxylated steroids. 3,005,834, 10–24–61, Cl. 260—397.3.
Drake, Homer. Shrimp hatcher. 2,984,207, 5–16–61, Cl. 179—2.
Drakengren, Erik W. Device for operating ceramic kilns. 2,982,530, 5–2–61, Cl. 263—28.
Dralle, Wilhelm: *See*—
Rudnicki, Mark I., and Dralle. 2,975,562.
Dranetz, Abraham I., and H. J. Cullin, to Gulton Industries, Inc. Transducer. 2,967,956, 1–10–61, Cl. 310—9.1.

Dransfeld, Klaus, R. Kompfner, and P. K. Tien, to Bell Telephone Laboratories, Inc. Elastic wave parametric amplifier. 3,012,204. 12–5–61. Cl. 330—5.

Drapeau, Harold B., to The Dole Valve Co. Waterline thermostat. 2,982,477, 5–2–61, Cl. 236—34.5.

Draper Corp.: *See*—
Banks, Waldo H. 2,972,025.
Banks, Waldo H. 3,010,488.
Banks, Waldo H. 3,013,586.
Budzyna, Joseph M. 3,012,586.
Evans, Joseph R. 2,971,541.
Flamand, Maurice R. 3,014,503.
Fregeolle, Oscar. 3,013,416.
Nichols, Edward C., and Powell. 2,999,516.
Thibault, Harrison N., and Banks. 2,979,881.
Villani, Antonio, and Rankin. 2,971,542.
Villani, Antonio, and Rankin. 2,990,856.
Wheeler, Claude A. 3,010,481.

Draper, Frederick C. Shaping of metal tubing. 2,992,473, 7–18–61, Cl. 29—157.

Draper, Marshall D.: *See*—
Klohs, Murle W., Draper, and Keller. 2,974,144.

Draper, Marshall D., and F. J. Petracek, to Riker Laboratories, Inc. Aryl, dialkyl-ureides and manner of preparation. 3,013,073, 12–12–61, Cl. 260—553.

Draper, Nephi A. Contour bed. 2,996,732, 8–22–61, Cl. 5—68.

Drauden, Floyd, and O. Lauterbach. Mowing, chopping and spreading apparatus. 2,975,578, 3–21–61, Cl. 56—23.

Draudt, Donald A.: *See*—
Draudt, Herbert T. 3,014,125.

Draudt, Herbert T., ½ to D. A. Draudt. Switching mechanism for flashlights and the like. 3,014,125, 12–19–61, Cl. 240—10.68.

Draudt, Howard N., and R. J. Gunderson, to Hygrade Food Products Corp. Injection machine. 2,984,170, 5–16–61, Cl. 99—257.

Dravnieks, Andrew, to Standard Oil Co. Deposition rate determination. 2,994,821, 8–1–61, Cl. 324—65.

Dravnieks, Andrew, to Standard Oil Co. Solids and liquids corrosion testing and recording. 3,008,085, 11–7–61, Cl. 324—71.

Dravo Corp.: *See*—
Dykeman, Howard E. 3,006,482.
Easter, Elmer W. 2,996,031.
Horton, Clarence R., Jr. 3,009,435.
Koontz, Victor F. 2,985,440.
Mevissen, Ernst A. 2,988,339.
Meyer, Kurt. 2,988,781.
Meyer, Kurt. 2,989,395.
Newhall, Welrose L., and Floyd. 2,996,100.
Reilly, Bertram B. 2,967,923.
Reilly, Bertram B. 2,983,234.
Reilly, Bertram B., Mehler, and Kells. 2,973,032.
Zimmermann, Wilhelm, and Roder. 2,983,051.

Draxler, John A.: *See*—
Leahy, William J., and Draxler. 2,974,764.

Draxler, John A., to The Elwell-Parker Electric Co. Side loading die truck. 2,987,205, 6–6–61, Cl. 214—730.

Draxler, Karl. Sectional seat. 2,994,558, 8–1–61, Cl. 297—446.

Draycott, Alan: *See*—
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Drazick, John. Holding device. 2,969,243, 1–24–61, Cl. 279—76.

Drees, Robert W. Swinging ball toys. 2,991,585, 7–11–61, Cl. 46—52.

Dreevr, James R., to Griffin Wheel Co. Stopper assembly. 3,011,231, 12–5–61, Cl. 22—85.

Dreher, Edgar B. Fish line trollers. 2,977,707, 4–4–61, Cl. 43—42.12.

Dreher, Elmer H., to AMP Inc. Multiple-connector stacked terminal blocks. 3,005,180, 10–17–61, Cl. 339—198.

Dreher, Emil, to Byk-Gulden Lomberg Chemische Fabrik G.m.b.H. Salts of acid diesters of polyglycols with organic bases, and process of making and using same. 2,973,382, 2–28–61, Cl. 260—404.

Dreher, Erich: *See*—
Muenster, Wilhelm, and Dreher. 3,014,930.
Muenster, Wilhelm, Dreher, and Paul. 2,973,339.

Drehman, Lewis E.: *See*—
Hepp, Harold J., and Drehman. 2,968,684.

Dreibelbis, John A., to Pittsburgh Chemical Co. Preparation of maleic anhydrides and catalysts thereof. 3,005,831, 10–24–61, Cl. 260—346.8.

Dreiding, André. Molecule demonstrator for stereochemistry. 2,974,425, 3–14–61, Cl. 35—18.

Dreier, Raymond C. Hand saw structure. 2,966,931, 1–3–61, Cl. 145—31.

Dreier, Raymond C. Hacksaw construction. 3,002,542, 10–3–61, Cl. 145—34.

Dreifke, Raymond F., to Westinghouse Electric Corp. Movable shroud for variable jet engine exhaust nozzles. 2,970,429, 2–7–61, Cl. 60—35.6.

Dreifus, Charles, Jr.: *See*—
Hamilton, Joseph P., and Burkhardt. 2,976,779.

Dreiling, Edward R. Butter container. 2,967,748, 1–10–61, Cl. 312—318.

Dreisbach, Robert R., and J. L. Lang, to The Dow Chemical Co. Process for rendering normally flammable cellulosic articles fire retardant. 2,992,942, 7–18–61, Cl. 117—137.

Dreisbach, Robert R., M. J. Gifford, P. H. Lipke, and G. B. Sterling, to The Dow Chemical Co. Blend of polyvinyl chloride and butadiene-styrene copolymers and method of making same. 3,005,796, 10–24–61, Cl. 260—45.5.

Dreisbach, Robert R., and J. L. Lang, to The Dow Chemical Co. Process for preparing permanently stiffened textiles. 3,011,917, 12–5–61, Cl. 117—139.5.

Dreisin, Alexander, and L. G. Kaplan, to Allis-Chalmers Mfg. Co. Fuel injection pump. 2,980,092, 4–18–61, Cl. 123—139.

Drelich, Arthur H., to Chicopee Mfg. Corp. Heat-sealable sheet materials. 2,992,149, 7–11–61, Cl. 154—46.

Drelich, Arthur H., and H. W. Griswold, to Chicopee Mfg. Corp. Nonwoven fabrics and methods of manufacturing the same. 3,009,822, 11–21–61, Cl. 117—38.

Drelich, Arthur H., and V. T. Kao, to Chicopee Mfg. Corp. Pattern bonded fibrous structures. 3,009,823, 11–21–61, Cl. 117—38.

Drennen, Thomas J., and L. E. Kelley, to Rohm & Haas Co. Method of producing wet-strength papers. 2,999,038, 9–5–61, Cl. 117—155.

Drenning, John W., to Koppers Co., Inc. Direct current motor control. 2,967,270, 1–3–61, Cl. 318—317.

Drenning, John W., to Koppers Co., Inc. Magnetic impulse rapper. 2,985,802, 5–23–61, Cl. 317—191.

Dresbach, Robert A., and S. D. Kuespert. Game timing device. 2,999,233, 9–5–61, Cl. 340—323.

Drese, Arthur W., and F. Brodbeck. Animated display apparatus. 3,002,304, 10–3–61, Cl. 40—32.

Dressel, Henry M., to Stackpole Carbon Co. Push-push switch. 2,967,922, 1–10–61, Cl. 200—172.

Dressen-Barnes Corp.: *See*—
McNamee, Bernard F. 3,005,145.

Dresser Industries, Inc.: *See*—
Alder, Robert L. 2,986,693.
Bohn, Floyd O. 2,998,071.
Dunn, Robert, and Goerss. 2,999,702.
Dunton, John T. 2,980,449.
Engle, Allen W., and Casey. 2,994,398.
Erath, Louis W. 2,979,666.
Erath, Louis W. 3,015,070.
Erath, Louis W., and Fleming. 3,002,157.
Erath, Louis W., and McManis. 3,007,010.
Fleming, Lawrence T. 2,975,364.
Hearn, Daniel P. 3,013,156.
Isaacson, Walter P., and Tejada-Flores. 2,982,943.
Johannesen, Oddvar M. 2,973,505.
McDoniel, Harold W. 2,971,468.
McLerran, Archie R. 2,970,458.
Porter, Forrest V., and Hendrickson. 3,003,569.
Richter, Walther, and Risley. 2,984,899.
Risley, Roger E. Re. 25,047.
Risley, Roger E., and Hoke. 2,992,022.
Selberg, John P., and Griffith. 2,983,341.
Stahl, Leslie W., and Williams. 3,008,429.
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Surbatovich, Milo. 2,976,940.
Swift, Gilbert. 3,012,324.
Talbert, Milton L., and Scarborough. 2,990,025.
Thompson, Archie E. 3,000,443.
Thorson, Warren K. 2,975,601.
Thorson, Warren K. 3,008,549.
Walton, George W. 2,969,951.
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Dresser, Jasper G., to Dresser Products Inc. Storage file for unfolded coded tape. 2,968,407, 1–17–61, Cl. 211—61.

Dresser Operations, Inc.: *See*—
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Dresser Products Inc.: *See*—
Dresser, Jasper G. 2,968,407.

Dresser, Willis R., to The Prudential Insurance Co. of America. Panoramic projector. 2,972,281, 2–21–61, Cl. 88—16.8.

Dressler, Hans, and J. C. Martini, to Koppers Co., Inc. Selective hydrogenation of carbazole. 2,999,097, 9–5–61, Cl. 260—315.

Dressler, Hans, and M. E. Baum, to Koppers Co., Inc. Polyoxyalkylene ethers of dodecahydro carbazole. 3,014,918, 12–26–61, Cl. 260—315.

Dressler, Hans, and M. E. Baum, to Koppers Co., Inc. Dithlocarbamate salts of dodecahydrocarbazole. 3,014,919, 12–26–61, Cl. 260—315.

Dressler, Hans, and M. E. Baum, to Koppers Co., Inc. Dodecahydrocarbazole amides. 3,014,920, 12–26–61, Cl. 260—315.

Dressler, Philip d'H., and J. S. Angevine; said Dressler assor. to Swindell-Dressler Corp., and said Angevine assor. to Aluminum Co. of America. Apparatus for and method of baking carbonaceous products or the like. 2,983,022, 5–9–61, Cl. 25—142.

Dressler, Robert, to Paramount Pictures Corp. Image matching apparatus. 2,989,890, 6–27–61, Cl. 88—14.

Dressler, Thomas M., to International Harvester Co. Governing mechanism for fuel injection pumps of Diesel engines. Re. 25,012, 7–25–61, Cl. 123—140.

Dressler, Thomas M., to International Harvester Co. Precombustion chamber for internal combustion engines. 3,014,465, 12–26–61, Cl. 123—32.

Drever, James R., E. C. Kavanaugh, and J. E. Bossong, to Griffin Wheel Co. Apparatus for making castings. 2,999,281, 9–12–61, Cl. 22—64.

Drew, Adrian. Baggage handling system and apparatus therefor. 3,010,564, 11–28–61, Cl. 198—138.

Drew, Charles E. Expanding mandrel chuck. 2,970,842, 2–7–61, Cl. 279—2.
Drew, E. F., & Co., Inc.: *See*—
Babayan, Vigen K. 2,998,319.
Babayan, Vigen K. 3,000,917.
Babayan, Vigen K. 3,006,771.
Babayan, Vigen K., and Comes. 2,999,023.
Barsky, George, and Babayan. 2,988,483.
Barsky, George, and Babayan. 2,988,484.
Drew, Glen G.: *See*—
Bradner, Hugh, and Drew. 3,011,439.
Drew, Harold. Hack saw. 2,974,698, 3–14–61, Cl. 145—33.
Drew, Howard F., and R. E. Zimmerer, to The Procter & Gamble Co. Liquid detergent composition. 3,001,945, 9–26–61, Cl. 252—137.
Drew, John J. Resilient shoe tree. 2,975,444, 3–21–61, Cl. 12—128.
Drew, John J. Shoe holding apparatus. 2,967,312, 1–10–61, Cl. 12—125.
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Bergstrom, Eric V., and Drew. 3,005,772.
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Mize, Doyle D., Sundt, and Drews. 2,980,885.
Drews, Ralph M.: *See*—
Babcock, Donald E., Drews, and Crooks. 2,986,460.
Drexel Dynamics Corp.: *See*—
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Drexel, Werner H., to Sperry Rand Corp. Apparatus for cooling semiconductor devices. 3,004,196, 10–10–61, Cl. 317—234.
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Williams, Charles O., Drexelius, and Smith. 2,974,592.
Drexler, Franz: *See*—
Krause, Hans-Joachim, and Drexler. 2,997,465.
Drexler, John J., to K. M. White Co. Elevator car door control system. 2,968,366, 1–17–61, Cl. 187—29.
Dreyer, Curtis, to California Research Corp. Tank support. 2,993,460, 7–25–61, Cl. 114—74.
Dreyer, Curtis, E. E. Harrison, and M. Ludwig, to California Research Corp. Heat exchange methods. 2,983,449, 5–9–61. Cl. 237—1.
Dreyer, Hans: *See*—
Bemmann, Rudolf, Langenbeck, Dreyer, and Nehring. 3,014,880.
Dreyer, Herbert L., to Streeter-Amet Co. Digital converter. 2,978,561, 4–4–61, Cl. 200—153.
Dreyer, John A., to Benner-Nawman, Inc. Handling apparatus. 2,989,195, 6–20–61, Cl. 214—6.
Dreyer, Richard E.: *See*—
Parsley, Harold V., Dreyer, and Grant. 2,974,997.
Dreyfus, Marc G.: *See*—
Ator, Joe T., Chase, Dreyfus, Harrah, and Harris. 2,987,182.
Bible, Robert E., Dreyfus, Parker, and Williamson. 2,999,939.
Dreyfus, Marc G., to General Precision, Inc. Method and apparatus for optical analysis of a mixture of substances. 3,004,664, 10–17–61, Cl. 209—111.5.
Dreyfus, Marc G., and C. M. Poland, to General Precision, Inc. Apparatus for spectrophotometric monitoring of thin film coatings. 2,973,686, 3–7–61, Cl. 88—14.
Dreyfus, Marcel, to Societe Anonyme dite: Etablissements Ducellier. Voltage and current regulating systems of dynamos. 2,985,814, 5–23–61, Cl. 322—28.
Dreyfus, Robert L., and J. W. Harrison, to W. R. Grace & Co. Packaging method and apparatus. 2,976,655, 3–28–61, Cl. 53—42.
Dreymiller, John H.: *See*—
Whyte, Melvin T., and Dreymiller. 2,984,320.
Drezner, Lee and S. H. Mounting means for furniture leg. 3,005,612, 10–24–61, Cl. 248—188.
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Drezner, Lee and S. H. 3,005,612.
Drieborg, Luke C., to Mag-Craft Corp. Pallet. 2,991,965, 7–11–61, Cl. 248—120.
Drift-A-Lure, Inc.: *See*—
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Drigga, Robert F. Fastening device. 3,011,228, 12–5–61. Cl. 20—92.5.
Drigot, Stanley W.: *See*—
Le Bolt, John M., and Drigot. 3,007,767.
Drilling & Service, Inc.: *See*—
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Drinkard, William E., and P. M. Rothwell, to Chrysler Corp. Intake manifold for V engines and the like. 2,989,956, 6–27–61, Cl. 123—122.
Driscoll, Anthony F., ½ to J. Masbach. Inner container cap with pouring outlet. 2,974,815, 3–14–61, Cl. 215—38.
Driscoll, Eugene J. Plastic composition comprising a mixture of emulsions of polyvinyl acetate and styrene-butadiene copolymer. 2,986,544, 5–30–61, Cl. 260—29.7.
Driscoll, Eugene J. Building construction. 2,995,784, 8–15–61, Cl. 20—4.
Driscoll, Raymond L.: *See*—
Moon, Charles, and Driscoll. 3,012,502.
Driscoll, Robert G.: *See*—
Durand, Robert D., Driscoll, and Cobb. 2,994,074.
Driskel, Don W.: *See*—
Hayman, Richard L., Driskel, and Hill. 2,968,282.
Driskell, Earnest, and J. T. Spratling, to Bobs Candies, Inc. Candy cane machine. 2,982,232, 5–2–61, Cl. 107—8.
Driskell, John C.: *See*—
Tarbutton, Grady, Jones, Driskell, and Smith. 2,984,545.
Drisko, Benjamin B., to United States of America, Air Force. Feedback modulator. 2,981,900, 4–25–61, Cl. 332—37.
Dritz, Arthur, to John Dritz & Sons. Covered button. 2,983,009, 5–9–61, Cl. 24—113.
Dritz, John, & Sons: *See*—
Dritz, Arthur. 2,983,009.
Dritz, Theodore D. Pipe coupling having remotely controlled heating and cooling means. 2,992,017, 7–11–61, Cl. 285—22.
Driver, George W.: *See*—
Brian, Robert C., Driver, Homer, and Jones. 2,972,528.
Driver, George W., and N. Senior, to Imperial Chemical Industries Ltd. Diethyl dithioliso phthalate pharmaceutical compositions. 2,975,098, 3–14–61, Cl. 167—58.
Drobilits, Martin E., and G. H. Lantz, to Sterling Faucet Co. Single lever control faucet. 2,977,988, 4–4–61, Cl. 137—625.17.
Drobinski, Joseph C., Jr.: *See*—
Thomas, Alexander, and Drobinski. 2,986,441.
Drolshagen, Otto, and R. E. Manoil, to Allis-Chalmers Mfg. Co. Nuclear reactor. 3,003,941, 10–10–61, Cl. 204—193.2.
Dronberger, Hal H.: *See*—
Long, Olan L., and Dronberger. 3,001,227.
Dros, Albert A., K. Roozendaal, C. J. M. van der Laan, B. R. van W. Palthe, and E. Heilingman, to North American Philips Co., Inc. Cold installation designed more particularly for storage of ampullas. 3,004,408, 10–17–61, Cl. 62—419.
Drott Mfg. Corp.: *See*—
Baudhuin, George J., and Petersen. 2,980,193.
Stearn, Richard A. Re. 25,081.
Drougard, Maurice E., E. J. Huibregtse, and D. R. Young, to International Business Machines Corp. Ferroelectric circuit element. 2,989,733, 6–20–61, Cl. 340—173.2.
Droutman Mfg. Co., Inc.: *See*—
Pelavin, Joseph Y. 2,985,266.
Drown, David P.: *See*—
Gardner, Roland M., Yeo, and Drown. 3,002,603.
Drtina, Otto V. Stretch spinning equipment. 3,001,229, 9–26–61, Cl. 18—8.
Drucker, William A., to American Machine & Foundry Co. Tobacco compositions. 3,000,764, 9–19–61, Cl. 131—17.
Drucker, William A., to American Machine & Foundry Co. Manufacture of tobacco sheet. 3,012,561, 12–12–61, Cl. 131—140.
Druesedow, Denver, to General Electric Co. Terminal arrangement for electrical apparatus. 3,012,159, 12–5–61, Cl. 310—71.
Druey, Jean, and K. Meier, to Ciba Pharmaceutical Products, Inc. Certain 3-aminophenyl-mercapto pyridines. 2,977,368, 3–28–61, Cl. 260—294.8.
Druey, Jean, and P. Schmidt, to Ciba Pharmaceutical Products Inc. Methylene bis sulfonamido pyrazoles. 2,980,669, 4–18–61, Cl. 260—239.9.
Druey, Jean, and P. Schmidt, to Ciba pharmaceutical Products Inc. New pyrazolo-pyrimidines. 2,980,677, 4–18–61, Cl. 260—256.4.
Druey, Jean, H. Isler, and K. Schenker, to Ciba Pharmaceutical Products Inc. Pyridine carboxylic acid derivatives. 2,980,685, 4–18–61, Cl. 260—295.5.
Druey, Jean, P. Schmidt, and K. Eichenberger, to Ciba Pharmaceutical Products Inc. Pyrazolo [2,3-a]-imidazolidines. 2,989,537, 6–20–61, Cl. 260—309.7.
Druey, Jean, K. Meier, and A. Staehelin, to Ciba Pharmaceutical Products Inc. 1-phenyl-2-alkyl-4-amino-3: 6-dioxo-1: 2: 3: 6-tetrahydropyridazines. 3,004,972, 10–17–61, Cl. 260—250.
Druey, Jean, K. Meier, and A. Staehelin, to Ciba Pharmaceutical Products Inc. New tetrahydro-dioxopyridazines. 3,004,973, 10–17–61, Cl. 260—250.
Druey, Jean, and K. Schenker, to Ciba Pharmaceutical Products Inc. Oximes of certain tetrahydropyridine hydrocarbon ketones and process. 3,004,979, 10–17–61, Cl. 260—294.8.
Druey, Jean, P. Schmidt, K. Eichenberger, and M. Wilhelm, to Ciba Pharmaceutical Products Inc. Alkyl hydrazines. 3,005,027, 10–17–61, Cl. 260—583.
Druey, Jean, and G. Huber, to Ciba Pharmaceutical Products Inc. N-acylamino compounds. 3,014,027, 12–19–61, Cl. 260—211.
Druey, Jean, and K. Meier, to Ciba Pharmaceutical Products Inc. 1,3-diaryl,5-amino-pyridazinones. 3,014,034, 12–19–61, Cl. 260—250.
Druey, Jean, P. Schmidt, M. Wilhelm, and K. Eichenberger, to Ciba Pharmaceutical Products Inc. Aryl-sulfonylamino-pyrazoles. 3,014,038, 12–19–61, Cl. 260—294.8.
Drug Research, Inc.: *See*—
Paterson, Laurene O. 2,986,555.
Drugmand, Lester D., and D. M. Cunningham, to Edwin L. Wiegand Co. Electric heater assembly. 2,992,314, 7–11–61, Cl. 219—19.
Druker, Harvey A.: *See*—
Best, Donald T., Druker, and Hohnecker. 3,005,676.
Druker, Harvey A., and L. R. Brown, to Briggs Associates, Inc. Electronic shift register. 2,967,250, 1–3–61, Cl. 307—88.5.

Drukey, Donald L., to Thompson Ramo Wooldridge Inc. Magnetic transducing method and system. 2,968,798, 1–17–61, Cl. 340—174.1.

Drukker, Alexander E.: *See*—
Judd, Claude I., Drukker, and Biel. 2,985,660.

Drukker, Willard D.: *See*—
Cubbidge, James F., and Drukker. 3,004,262.

Drum, David A. Pinless lap winder. 2,968,448, 1–17–61, Cl. 242—55.1.

Drum, John: *See*—
Polk, Isaac H., and Koch. 2,974,776.

Drumheller, Carl E., P. T. Marth, and J. S. Wagener, to Union Carbide Corp. Method of making silicon monoxide articles. 3,010,839, 11–28–61, Cl. 106—286.

Druml, Oscar J. Method and apparatus for constructing and setting trench cribbing. 2,987,890, 6–13–61, Cl. 61—41.

Drumm, James J., to Energy Ltd. Heat engines operating on the Stirling or Ericsson heat cycles. 3,009,315, 11–21–61, Cl. 60—24.

Drumm, Thomas J., and A. E. Hilliker, to Crouse-Hinds Co. Method and apparatus for controlling vehicular traffic entering a parking facility. 2,985,862, 5–23–61, Cl. 340—51.

Drummond, Folsom E., to Union Carbide Corp. Method of making a composite stock. 2,970,068, 1–31–61, Cl. 117—71.

Drummond, Folsom E. Plastic cement composition for lightweight ceramic tile. 2,970,124, 1–31–61, Cl. 260—23.

Drummond, Folsom E., to Union Carbide Corp. Method of gas plating an alloy of aluminum and magnesium. 2,982,016, 5–2–61, Cl. 29—197.

Drummond, Folsom E., to Union Carbide Corp. Method of protecting magnesium with a coating of titanium. 2,982,017, 5–2–61, Cl. 29—470.

Drummond, Folsom E., to Union Carbide Corp. Method of protecting magnesium with a coating of titanium or zirconium. 2,982,019, 5–2–61, Cl. 29—492.

Drummond, George H., to Leonard Valve Co. Temperature control valve. 3,007,644, 11–7–61, Cl. 236—12.

Drummond, James M., to Thermotank, Inc. Drum louver. 3,012,494, 12–12–61, Cl. 98—40.

Drummond, James M., and D. W. Torry, to Thermotank, Inc. Constant volume air mixing unit. 2,981,474, 4–25–61, Cl. 236—13.

Drummond, Warren W., to Bjorksten Research Laboratories, Inc. Radiation shielding fabric. 2,971,095, 2–7–61, Cl. 250—108.

Drummond, William D., and G. M. Johnston, to International Harvester Co. Cutting and windrowing apparatus. 2,967,389, 1–10–61, Cl. 56—192.

Drummond, William H., and A. E. Withrow, to Monsanto Chemical Co. Quench system. 2,998,465, 8–29–61, Cl. 260—679.

Drury, Bernard M.: *See*—
Vaughan, Gerald L., and Drury. 2,974,773.

Drutchas, Gilbert H.: *See*—
Livermore, William T., Clark, and Drutchas. 3,009,420.
Livermore, William T., Clark, and Drutchas. 3,009,421.

Drutchas, Gilbert H., to Thompson Ramo Wooldridge Inc. Pressure control valve. 3,003,423, 10–10–61, Cl. 103—42.

Druz, Walter S.: *See*—
De Vries, Adrian J., and Druz. 2,999,900.

Druz, Walter S., to Zenith Radio Corp. Subscription television systems and method of operating the same. 2,973,406, 2–28–61, Cl. 178—5.1.

Druz, Walter S., to Zenith Radio Corp. Secrecy communication system. 2,983,782, 5–9–61, Cl. 178—5.1.

Druz, Walter S., to Zenith Radio Corp. Signal-translating apparatus. 3,011,026, 11–28–61, Cl. 179—1.5.

Druz, Walter S., and E. M. Roschke, to Zenith Radio Corp. Subscription color television system. Re. 24,926, 1–17–61, Cl. 178—5.1.

Druz, Walter S., and E. M. Roschke, to Zenith Radio Corp. Secrecy communication system. 2,987,576, 6–6–61, Cl. 179—1.5.

Druz, Walter S., and J. G. Van Bosse, to Zenith Radio Corp. Secrecy communication system. 2,993,959, 7–25–61, Cl. 179—1.5.

Dryden, Horace W. Locking means for plastic strap. 2,970,359, 2–7–61, Cl. 24—213.

Dryer, Peter J., and D. C. Harding; said Dryer assor. to Boyne Products, Inc., and said Harding assor. to Don R. Ford Associates, Inc. Direction signaling apparatus. 2,999,911, 9–12–61, Cl. 200—61.34.

Drying Systems Co.: *See*—
Weissman, David. 3,012,124.

Drysdale, James L., to The Bell Telephone Co. of Canada. Holding device. 3,006,589, 10–31–61, Cl. 248—74.

Drysdale, John J., to E. I. du Pont de Nemours and Co. Polyfluorinated products. 3,012,069, 12–5–61, Cl. 260—487.

Dual-Lite Co., Inc.: *See*—
Ippolito, Carmelo. 3,013,257.

Duane, Jerome J., and D. B. Tarnoff, to D. B. Tarnoff. Saturated pad for cleaning and deodorizing. 2,999,265, 9–12–61, Cl. 15—506.

Duany, Andres J. Concrete mixer. 2,969,962, 1–31–61, Cl. 259—169.

Duarry Serra, Juan. Rubber corset. 2,993,490, 7–25–61, Cl. 128—521.

Duarry Serra, Juan. Washing machines. 2,997,870, 8–29–61, Cl. 68—173.

Duba, George A., to C. C. Bjorkman. Process of splitting and handling surgical gut. 2,976,751, 3–28–61, Cl. 83—24.

Duba, George A., to C. C. Bjorkman. Machine for handling gut ribbons. 2,976,752, 3–28–61, Cl. 83—98.

Duban, Anthony J., to General Dynamics Corp. Disconnect hinge apparatus. 3,006,025, 10–31–61, Cl. 16—176.

Dubbelman, Adriaan A., to North American Philips Co., Inc. Switch-control circuit arrangement operating by means of a phase-sensitive detector. 2,967,982, 1–10–61, Cl. 317—148.5.

Dubbs, Wendell P., to Celloptape & Tag Printers. Tape applicator. 2,972,428, 2–21–61, Cl. 216—25.

Dube, Alfred T. Boat. 3,002,484, 10–3–61, Cl. 114—61.

Duberstein, Julius: *See*—
Small, Samuel N. 2,981,135.
Small, Samuel N. 3,008,565.

Dubesset, Michel: *See*—
Lambert, Roger E., and Dubesset. 2,969,613.

Dubey, William B., to Gerald Carton Co. Display carton construction. 3,004,656, 10–17–61, Cl. 206—44.

Dubie-Clark Co.: *See*—
Dubie, Orville L. 2,990,036.

Dubie, Orville L., to Dubie-Clark Co. Material handling bin. 2,990,036, 6–27–61, Cl. 189—3.

Dubien, Marcel, and P. Vacelet, to Stoner Mudge, division of American Marietta Co. Polyether resins from alkaline condensation of polyhydric phenol with aliphatic polyhydric alcohol having terminal hydroxyl groups esterified with sulfuric acid. 2,971,936, 2–14–61, Cl. 260—43.

Dubilier, Martin H.: *See*—
Wilkins, Richard A., and Dubilier. 2,982,012.

Dubiner, Samuel: *See*—
Gussoni, Angelo. 3,011,216.

Du Boff, Philip, and H. Miller, to Shelfmaker Products Corp. Reciprocating tray unit. 2,971,655, 2–14–61, Cl. 211—126.

Du Bois, Eliot: *See*—
Stoddart, Hugh F., and Du Bois. 2,999,206.

Dubois, Ernest M. R.: *See*—
Mihail, Arlette M., Tochon, Turinetti, and Dubois. 2,997,844.

Dubois, Jacques E. Method and device for the titration of various solutions and similar purposes. 2,972,102, 2–14–61, Cl. 324—30.

Du Bois, John H. Retaining means. 2,985,006, 5–23–61, Cl. 70—458.

Dubois, Martin H., to Svenska Relafabriken ABN AB. Electric switching device. 2,969,439, 1–24–61, Cl. 200—18.

Dubois, Martin H., to Svenska Relafabriken ABN AB. Telecommunication system. 2,967,213, 1–3–61, Cl. 179—81.

Du Bois, Norman L., to General Precision, Inc. Pulse width motor control circuit. 3,003,096, 10–3–61, Cl. 318—207.

Du Bois, Paul F., III. Window ventilator. 3,006,268, 10–31–61, Cl. 98—99.4.

Du Bois Plastic Products, Inc.: *See*—
Bright, Roy A. 2,978,751.

Du Bois, Robert C., to Minneapolis-Honeywell Regulator Co. Fluid pressure telemetering apparatus. 2,987,920, 6–13–61, Cl. 73—388.

Du Bois, Robert C., to Manning, Maxwell & Moore, Inc. Test instrument of the dial type. 2,999,478, 9–12–61, Cl. 116—129.

Du Bois, Robert C., to Manning, Maxwell & Moore, Inc. Suppression device for narrow spans. 2,999,508, 9–12–61, Cl. 137—85.

Du Bois, Robert C., to Manning, Maxwell & Moore, Inc. Error detector for pneumatic transmission system. 3,001,538, 9–26–61, Cl. 137—82.

Du Bois, Robert E. Resistor structure. 2,969,516, 1–24–61, Cl. 338—284.

Du Bois, Robert E. Resistance mounting structure. 2,984,806, 5–16–61, Cl. 338—283.

Du Bois, Virginia I.: *See*—
Sterne, Willard F., and Bright. 3,000,011.

Dubois, Walter M., and G. H. Hale, to British Building and Engineering Appliance Ltd. Scaffolding. 2,991,854, 7–11–61, Cl. 189—15.5.

Du Bois, William H., to The Bendix Corp. Mounting for friction lining segments. 2,986,252, 5–30–61, Cl. 192—107.

Du Bois, William H., to The Bendix Corp. Vehicle brake. 2,988,176, 6–13–61, Cl. 188—73.

Dubroff, Stanley: *See*—
Lipinski, Henry S., and Dubroff. 2,981,188.

Du Broff, Warren: *See*—
Hageline, Emil E. 2,995,273.

Du Broff, Warren, to C. Barancik. Container washing apparatus. 2,969,073, 1–24–61, Cl. 134—152.

Du Broff, Warren, to C. Barancik. Apparatus for perimetric taping. 2,972,843, 2–28–61, Cl. 53—74.

Dubsky, Borivoj, O. Straka, and M. Pan, to Výzkumný a zkušební letecký ústav. Transformer control system. 2,972,099, 2–14–61, Cl. 323—52.

Dubský, Bořivoj, and O. Straka, to Vyzkumny a zkusebni letecky ustav. Electromagnetic rotary viscometer. 2,977,790, 4–4–61, Cl. 73—60.

Dubský, Bořivoj, O. Straka, J. Černohorský, and V. Koblížek, to Vyzkumny a zkusebni letecky ustav. Torsional magnetrostrictive pressure pick-up. 2,977,791, 4–4–61, Cl. 73—141.

Dubský, Bořivoj, and O. Straka, to Vyzkumny a Zkusebni letecky ustav. Electromagnetic pressure gage. 2,992,388, 7–11–61, Cl. 323—92.

Dubsky, Borivoj, and O. Straka, to Výzkumný a zkušební letecký ústav. Electromagnetic pick-up apparatus for the reception of oscillations. 2,998,536, 8–29–61, Cl. 310—15.

Dubský, Bořivoj, and O. Straka, to Vyzkumny a zkusebni letecky ustav. Electromagnetic thermometer. 3,000,214, 9–19–61, Cl. 73—362.

Dubsky, Borivoj, and O. Straka, to Vyzkumny a zkusebni letecky ustav. Feeler member for transforming a mechanical value into an electric value. 3,011,081, 11–28–61, Cl. 310—26.

Dubsky, Borivoj, O. Straka, M. Pan, and V. Vesely, to Vyzkummy a zkusebni letecky ustav. Electromagnetic feeler. 3,013,205, 12–12–61, Cl. 324—34.

Dubsky, Bořivoj, and O. Straka, to Výzkumny a zkušební letecký ústav. Electromagnetic recorder. 3,014,179, 12–19–61, Cl. 324—100.

Dubuisson, Bernard L. Y., to Societe Francaise d'Optique et de Mecanique. Devices for determining the orientation in space of an apparatus at a given time. 3,000,284, 9–19–61, Cl. 95—12.5.

Dubuque Producta, Inc.: *See*—
Carlo, Clarence E. 2,978,019.

Ducati, Adriano C., to Plasmadyne Corp. Apparatus and method for initiating an electrical discharge. 3,007,030, 10–31–61, Cl. 219—121.

Ducati, Adriano C., to Plasmadyne Corp. Method and apparatus for uniting materials in a controlled medium. 3,010,009, 11–21–61, Cl. 219—76.

Ducati, Adriano C., to Plasmadyne Corp. Capacitor assembly. 3,011,106, 11–28–61, Cl. 317—261.

Ducati, Adriano C., and V. H. Blackman, to Plasmadyne Corp. Plasma-jet torch apparatus and method relating to increasing the life of the back electrode. Re. 25,088, 11–21–61, Cl. 219—75.

Duchan, Benjamin, to Placket Closing Corp. of America. Machine for sewing concealed slide fasteners. 2,975,739, 3–21–61, Cl. 112—260.

Duchan, Benjamin, to Placket Closing Corp. of America. Process for sewing concealed slide fasteners. 3,002,478, 10–3–61, Cl. 112—262.

Duchene, William R., K. Arledge, and J. Jacomino, to Special Products Co. of Tennessee, Inc. Recessed lighting fixture. 2,998,512, 8–29–61, Cl. 240—78.

Duchess Jewelry Mfg. Corp.: *See*—
Napoli, Frederick W., and Pompeo. 2,988,871.
Pompeo, Louis, and Szeglin. Re. 25,014.

Duck, William N. Bloom inhibited chocolate and method of producing same. 2,979,407, 4–11–61, Cl. 99—23.

Ducker, William H.: *See*—
Cargill, Don A., Mason, Horvath, and Ducker. 2,969,883.

Ducker, William H., and L. K. Fisher, to Cargill Detroit Corp. Method and apparatus for truing circular rings. 3,000,426, 9–19–61, Cl. 153—32.

Duckworth, William C., and J. E. Singley, to Tennessee Corp. Epoxy resin composition containing diglycidyl ether of 2,4'-dihydroxy diphenyl sulfone. 2,993,026, 7–18–61, Cl. 260—42.

Duckworth, William C., S. L. Norwood, and T. W. Sauls, to Tennessee Corp. New resin compositions and curing agent therefor. 3,006,890, 10–31–61, Cl. 260—47.

Duclo, George E. Right angle and radial line plotting instrument. 2,977,840, 4–4–61, Cl. 88—2.2.

Ducommun, Georges, to Geneva Sport Watch Ltd. Timepiece with date indicator. 2,976,672, 3–28–61, Cl. 58—58.

Dudash, Michael A., to General Motors Corp. Ball and socket joint. 2,999,708 9–12–61, Cl. 287—87.

Duddington, Jack E., and S. Sherratt, to Imperial Chemical Industries Ltd. Delayed addition of emulsifying agent in aqueous polymerization of tetrafluoroethylene. 3,009,892, 11–21–61, Cl. 260—29.6.

Duddy, Joseph C., to The Electric Storage Battery Co. Sealed batteries. 2,968,686, 1–17–61, Cl. 136—6.

Duddy, Joseph C., to The Electric Storage Battery Co. Electric battery. 3,003,012, 10–3–61, Cl. 136—9.

Duddy, Joseph C., to The Electric Storage Battery Co. Electric battery. 3,003,013, 10–3–61, Cl. 136—9.

Duddy, Joseph C., to The Electric Storage Battery Co. Battery electrode. 3,003,015, 10–3–61, Cl. 136—30.

Duddy, Joseph C., to The Electric Storage Battery Co. Foamed-silver electrode and methods of making the same. 3,007,991, 11–7–61, Cl. 136—20.

Dudek, Erwin K.: *See*—
Witt, Victor R., Prentky, and Dudek. 2,970,300.

Dudek, Ludwig. Jumping bellows. 2,975,855, 3–21–61, Cl. 182—137.

Dudley, Bettye S. Sleeping garment for infants. 2,968,044, 1–17–61, Cl. 2—69.5.

Dudley, Darle W.: *See*—
Shipley, Eugene E., and Dudley. 2,975,620.

Dudley, Edward C. Wobble plate pump. 2,969,810, 1–31–61, Cl. 137—625.15.

Dudley, Edward C., to Thompson Ramo Wooldridge Inc. Pump and valve assembly. 2,971,523, 2–14–61, Cl. 137—108.

Dudley, Edward F., to Miehle-Goss-Dexter, Inc. Cylinder drive control and safety means. 2,972,945, 2–28–61, Cl. 101—282.

Dudley, Elizabeth, to Scott Paper Co. Sanitary napkin. 2,973,760, 3–7–61, Cl. 128—287.

Dudley, Jack D., to Boeing Airplane Co. Engine starting system. 2,986,005, 5–30–61, Cl. 60—39.14.

Dudley, Kenneth W.: *See*—
Apelbaum, Joseph H., and Dudley. 2,995,674.

Dudley, Vernon E., to Gala Industries, Inc. Mulch and plant feeder. 3,005,287, 10–24–61, Cl. 47—25.

Dudley, Walter. Windscreen wipers. 2,981,967, 5–2–61, Cl. 15—250.37.

Dudley, William A., to Merla Tool Corp. Flow valve devices. 2,994,335, 8–1–61, Cl. 137—155.

Dudnick, Solis. Cup holder. 3,006,455, 10–31–61, Cl. 198—162.

Dudnick, Solis, and G. M. Leonard; said Dudnick assor. to National Mfg. Co. Method and apparatus for applying handles to paper cups. 2,988,967, 6–20–61, Cl. 93—36.

Duennenberger, Max: *See*—
Siegrist, Adolf E., Duennenberger, and Grubenmann. 2,986,528.
Siegrist, Adolf E., Duennenberger, and Maeder. 3,010,967.

Duennenberger, Max, A. E. Siegrist, and E. Maeder, to Ciba Ltd. Stabilizing polyamide fibers against ultraviolet radiation. 2,995,540, 8–8–61, Cl. 260—45.8.

Duennenberger, Max, A. E. Siegrist, and E. Maeder, to Ciba Ltd. Thiophene derivatives. 2,995,564, 8–8–61, Cl. 260—307.

Duer, Morris J., and C. W. Truxell, to General Motors Corp. Hydraulic engine-starting device. 2,976,863, 3–28–61, Cl. 123—179.

Duerksen, Arnold, to Super Mold Corp. of California. Mobile tire spreader. 2,977,092, 3–28–61, Cl. 254—50.3.

Duerksen, Menno C. Magnetically operated game apparatus. 3,008,717, 11–14–61, Cl. 273—122.

Duerr, Herman H., to General Aniline & Film Corp. Process of modifying the composition of the surface of a layer of plastic material. 2,974,061, 3–7–61, Cl. 117—62.

Duerr, James D., and B. A. Pappas, to Chas. Pfizer & Co., Inc. Process for improving the stability and taste of tetracycline antibiotics. 2,988,569, 6–13–61, Cl. 260—559.

Duesel, Bernard F.: *See*—
Fand, Theodore I., and Duesel. 3,002,982.

Duesenberg, Denny D., to Ford Motor Co. Valve stem seal. 2,999,492, 9–12–61, Cl. 123—188.

Duesling, Clarence L. Mineral desliming, concentrating and separating apparatus. 3,010,579, 11–28–61, Cl. 209—211.

Duff, John, to Selas Corp. of America. Furnace closure. 2,977,106, 3–28–61, Cl. 263—50.

Duff-Norton Co.: *See*—
Carroll, Charles. 2,991,976.

Duff, Ruth M.: *See*—
Catlin, Beryl G., and Kunec. 2,994,329.
Catlin, Beryl G., and Kunec. 2,994,330.

Duffers Associates, Inc.: *See*—
Ferguson, Hugo S. 3,012,126.

Duffield, Albert J., to Olin Mathieson Chemical Corp. Ammunition. 2,970,543, 2–7–61, Cl. 102—45.

Duffield, Albert J., to Olin Mathieson Chemical Corp. Stripper mechanism. 2,979,188, 4–11–61, Cl. 205—4.

Duffin, George F.: *See*—
Dickinson, Harld O., and Duffin. 3,004,850.

Duffin, Earle R., to The Bowater Research and Development Co. Ltd. Multiply paper sacks. 2,990,102, 6–27–61, Cl. 229—55.

Duffin, Walter M., to Burroughs Wellcome & Co. (U.S.A.) Inc. Naphthalene derivatives. 3,004,069, 10–10–61, Cl. 260—570.9.

Duffin, Walter M., to Burroughs Wellcome & Co. (U.S.A.) Inc. Bis-oxazine compounds and method of making. 3,009,912, 11–21–61, Cl. 260—246.

Duffner, Robert J., to The Lift-All Leasing Corp. Rack for holding manufactured parts separated during transfer. 2,966,991, 1–3–61, Cl. 211—60.

Duffy, Frank E., and J. T. Haczek. Music transposition and chord construction device. 3,001,435, 9–26–61, Cl. 84—474.

Duffy, James G., Jr., to United States of America, Atomic Energy Commission. Fuel element for a nuclear reactor. 2,986,509, 5–30–61, Cl. 204—193.2.

Duffy, James J., to Ford Motor Co. Fast acting servo mechanism. 3,004,390, 10–17–61, Cl. 60—97.

Duffy, James J., to Ford Motor Co. Pressure relief valve. 3,006,365, 10–31–61, Cl. 137—539.

Duffy, John M., and H. Heins, to Bomac Laboratories Inc. Transmit-receive tube. 2,978,609, 4–4–61, Cl. 315—39.

Duffy, Joseph E., and J. Sottysiak, to General Aniline & Film Corp. Quenching solution for fluorescent photographic paper employed in the manufacture of halftone negatives. 2,983,604, 5–9–61, Cl. 96—27.

Duffy, Philip A., Jr.: *See*—
Lusby, Walter S., Euler, and Duffy. 2,972,681.

Duffy, Thomas H., to Avco Mfg. Corp. Electronic circuit for anticipating change of magnitude of a quantity under investigation. 2,976,523, 3–21–61, Cl. 340—231.

Duffy, William B.: *See*—
Hartman, Richard A., and Duffy. 2,984,878.

Duffy, William B., and R. A. Hartman, to The Palnut Co. Self threading sheet metal nut. 2,986,059, 5–30–61, Cl. 85—32.

Du Four, Howard R.: *See*—
Olt, Richard G., Du Four, and Gray. 2,987,372.

Dufresse, Georges, to J. Brun and H. Lefebvre. Anamorphotic system. 2,995,066, 8–8–61, Cl. 88—57.

Dugan, Frank C., and C. F. Martin. Braking system for truck trailers. 3,005,643, 10–24–61, Cl. 280—432.

Dugas, Clet. Rotary wheel ditching machine. 2,984,023, 5–16–61, Cl. 37—92.

Dugle, Thomas E., and L. J. Meyers, to The Cincinnati Milling Machine Co. Automatic tracing device. 2,998,759, 9–5–61, Cl. 90—62.

Du Grenier, Francis C., and F. B. Perri; said Perri assor. to B. E. Bouchard. Electric vending machines. 2,973,075, 2–28–61, Cl. 194—10.

Du Grenier, Francis C., and F. B. Perri; said Perri assor. to B. E. Bouchard. Multi-price vending machine. 3,000,485, 9–19–61, Cl. 194—92.

Du Hamel, Raymond H., to The University of Illinois Foundation. Frequency independent antennas. 2,985,879, 5–23–61, Cl. 343—908.

Du Hamel, Raymond H., and F. R. Ore, to Collins Radio Co. Frequency independent split beam antenna. 2,977,597, 3–28–61, Cl. 343—908.

Du Hamel, Raymond H., and D. G. Berry, to Collins Radio Co. Broadside antenna arrays. 2,984,835, 5–16–61, Cl. 343—908.

Du Hamel, Raymond H., and D. G. Berry, to Collins Radio Co. Unidirectional frequency-independent coplanar antenna. 2,989,749, 6–20–61, Cl. 343—793.

Du Hamel, Raymond H., and V. P. Minerva, to Collins Radio Co. Wideband tapered balun. 3,013,226, 12–12–61, Cl. 333—26.

Du Hamel, Raymond H., and F. R. Ore, to Collins Radio Co. Elliptical-polarized logarithmically periodic antenna. 3,013,268, 12–12–61, Cl. 343—797.

Duhaml, Gerard. Pipe hanger and saddle. 3,003,726, 10–10–61, Cl. 248—55.

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Diemer, Gesinus, Van Santen, Duinker, and Schoenmakers. 2,967,266.

Duinker, Simon, to North American Philips Co., Inc. Device for registering coded information. 2,979,696, 4–11–61, Cl. 340—173.2.

Duinker, Simon, to North American Philips Co., Inc. Frequency transformation device. 3,001,122, 9–19–61, Cl. 321—69.

Duinker, Simon, to North American Philips Co., Inc. Frequency-transformation device comprising at least one nonlinear element. 3,008,081, 11–7–61, Cl. 321—69.

Duinker, Simon, to North American Philips Co., Inc. Electric gating device. 3,011,064, 11–28–61, Cl. 307—88.

Duinker, Simon, W. J. Schoenmakers, G. Diemer, and J. G. van Santen, to North American Philips Co., Inc. Panel for the reproduction of images. 2,988,647, 6–13–61, Cl. 250—213.

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Van Nieuwenhuyzen, Leendert J. 2,974,069.

Duis, George E.: *See*—
Blume, Elmer, and Duis. 2,994,319.

Du Kane Corp.: *See*—
Supitilov, Michael C. 2,974,204.

Dukat, Francis M., to Raytheon Co. Hybrid radio receiving circuits. 2,970,213, 1–31–61, Cl. 250—20.

Duke, Bruce W., to Norton Co. Adhesive compositions and products. 2,983,593, 5–9–61, Cl. 51—298.

Duke, Edward D., to International Harvester Co. Cutting blade assembly for scrapers. 2,981,015, 4–25–61, Cl. 37—141.

Duke, Edward T.: *See*—
Mauck, Victor, Duke, and Belfi. 2,978,373.

Duke, Gene S.: *See*—
Duke, Henry C. and G. S. 2,981,075.

Duke, Henry C. and G. S. Apparatus and method for manufacturing soft ice cream. 2,981,075, 4–25–61, Cl. 62—62.

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Gary, Wright W., and Duke. 2,991,878.
Greene, Ernest W., Duke, and Hunter. 2,990,958.

Duke, John A., to Minneapolis-Honeywell Regulator Co. Measuring method and apparatus. 2,977,842, 4–4–61, Cl. 88—14.

Duke, Keith A., to International Computers and Tabulators Ltd. Coded decimal adder subtractor. 2,989,237, 6–20–61, Cl. 235—169.

Duke University: *See*—
Hart, Julian D., and Newton. 2,994,761.

Duke, William A. Suction evacuated urinal. 2,968,046, 1–17–61, Cl. 4—110.

Dukler, Abraham E., B. E. Norris, and H. W. Prengle, Jr., to Maloney-Crawford Tank and Mfg. Co. Apparatus for fractional distillation of multiple component mixtures. 2,995,499, 8–8–61, Cl. 196—100.

Dulany, Charles R.: *See*—
Carr, Ralph L., and Dulany. 2,980,501.

Dulaney, Eugene L., and W. J. McAleer, to Merck & Co., Inc. Preparation of 11,17-dihydroxy steroids. 2,970,085, 1–31–61, Cl. 195—51.

Dulaney, Richard O. Fluid pressure oil well pump. 2,980,027, 4–18–61, Cl. 103—46.

Dulaney, Richard O. Rotary hammer drill bit. 2,998,085, 8–29–61, Cl. 175—100.

Dülberger, Leon H., to Fischer & Porter Co. Transistor oscillator. 2,970,280, 1–31–61, Cl. 331—110.

Dulberger, Leon H., and S. Kass, to Fischer & Porter Co. Electronic controller. 3,005,163, 10–17–61, Cl. 330—10.

Dulebohn, David H., and R. M. Gold, to Dayton Rogers Mfg. Co. Pneumatic pressure boosting apparatus. 2,977,040, 3–28–61, Cl. 230—52.

Dulebohn, David H., and R. M. Gold, to Dayton Rogers Mfg. Co. Master tracing machine. 2,989,639, 6–20–61, Cl. 250—202.

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Rains, David, and Dulin. 2,998,254.

Dulis, Edward J.: *See*—
Brady, Richard R., and Dulis. 2,968,549.

Dulis, Edward J., A. Kasak, and V. K. Chandhok, to Crucible Steel Co. of America. High strength heat resistant alloy steel. 2,986,463, 5–30–61, Cl. 75—126.

Dull, Joseph L. Pipe wrench stand. 2,971,411, 2–14–61, Cl. 81—41.

Dull, William B., and P. E. Daugherty, to Kingston Products Corp. Rotary switch assembly. 2,970,199, 1–31–61, Cl. 200—153.

Dull, William L., and L. C. Elmburg, to Armco Steel Corp. Wire take-off device. 3,010,674, 11–28–61, Cl. 242—128.

Dully, Floyd I., and R. O. Umanos, to General Motors Corp. Closure latch. 3,004,788, 10–17–61, Cl. 292—113.

Duman, Abraham M., to Advance Transformer Co. Method of manufacturing coils. 2,985,950, 5–30–61, Cl. 29—155.57.

Dumas, Donald N. Automatic aquarium attachment. 2,988,312, 6–13–61, Cl. 248—79.

Dumas, Francis T.: *See*—
Case, Ralph N. 2,995,262.

Dumas, Theodore: *See*—
Heard, Harrison L., Dumas, and Sivertz. 3,010,841.

Dumbauld, Lewis D., to Delux Coils, Inc. Winding machine. 2,986,352, 5–30–61, Cl. 242—35.5.

Dumbrell, Kenneth G. Construction of ear tag for use in the marking of sheep, cattle, and other animals. 2,972,828, 2–28–61, Cl. 40—302.

Dumesnil, Henri A., to F. E. Jonas. Thiolpropionate compositions. 2,985,557, 5–23–61, Cl. 167—55.

Dumesnil, Henri A., to F. E. Jonas. Cobaltithiopropionates. 2,985,676, 5–23–61, Cl. 260—439.

Dumez, Raoul H.: *See*—
Eggers, Gerhard, Ernst, Feraud, and Dumez. 2,974,488.

Dumin, David J., to International Business Machines Corp. Programed superconductor ring commutator. 3,002,111, 9–26–61, Cl. 307—88.5.

Dumire, Leo G., G. Edlen, and B. Haskell, to Phelps Dodge Copper Products Corp. Coaxial cable connector. 2,983,779, 5–9–61, Cl. 174—75.

Dumke, William E., and J. R. Bailey, to Switchcraft, Inc. Switch stack assembly. 2,990,465, 6–27–61, Cl. 200—166.

Dumm, Howard C., to Pacific Valves, Inc. Replaceable threaded sleeve for gate type valves. 3,006,210, 10–31–61, Cl. 74—424.8.

Dumont Aviation Associates: *See*—
Buckner, Wilbur G., and Brown. 3,011,803.

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Dumousseau, Claude R. J., and E. Touraton, to International Standard Electric Corp. Electro-magnetic coordinate switch. 2,999,140, 9–5–61, Cl. 200—104.

Dunay, John: *See*—
Nachtman, Leonard C., and Dunay. 2,987,635.

Dunbar, Joseph E., to The Dow Chemical Co. Adducts of benzoquinonediimines. 2,993,060, 7–18–61, Cl. 260—396.

Dunbar, Lee E., and V. Vacquier, to Sperry Rand Corp. Accelerometer. 2,968,950, 1–24–61, Cl. 73—510.

Duncan, Alexander G. Means for suspending curtains. 2,985,907, 5–30–61, Cl. 16—94.

Duncan, Angus W., to The Mining Engineering Co. Ltd. Roof supports for mine workings. 2,985,419, 5–23–61, Cl. 248—356.

Duncan Coffee Co.: *See*—
Stephenson, Clay W., and Van Horn. 3,006,764.

Duncan, Daymond D., and D. E. Wood. Method of and filter for purifying exhaust gases of internal combustion engines. 3,000,692, 9–19–61, Cl. 23—2.

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Duncan, Edward T., to Harvey Hubbell Inc. Telephone operating device for handicapped persons. 2,976,370, 3–21–61, Cl. 179—90.

Duncan Electric Co., Inc.: *See*—
Rund, Thomas C. 3,003,085.

Duncan, Eugene F.: *See*—
Charbonneau, Allan P., and Duncan. 2,976,515.

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Duncan, James E.: *See*—
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Duncan, James K.: *See*—
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Duncan, James K., to The Philip Carey Mfg. Co. Apparatus for spinning fibers of glass or the like. 2,994,915, 8–8–61, Cl. 18—2.5.

Duncan, John Y., and F. J. and F. S. Pearne, to K. O. Duncan Co. Bit puller. 2,992,477, 7–18–61, Cl. 29—243.

Duncan, K. O., Co.: *See*—
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Duncan, Larry K., and M. Peltier, to Vitro Corp. of America. Process for treating xenotime. 2,995,420, 8–8–61, Cl. 23—15.

Duncan, Lorne R., to Harbison-Walker Refractories Co. Reinforced refractory brick. 2,984,195, 5–16–61, Cl. 110—99.

Duncan, Myron G. Sound monitoring circuitry and instrument. 2,969,530, 1-24-61, Cl. 340—261.

Duncan, Robert E., and A. B. Erekson, to The Borden Co. Apparatus for processing dough. 3,001,486, 9-26-61, Cl. 107—40.

Duncan, Theodore R., to Mattel Inc. Music comb with weighted cantilever. 2,975,664, 3-21-61, Cl. 84—94.

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Dunham, Ansel W. and P. N. Baling apparatus. 2,997,942, 8-29-61, Cl. 100—42.

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Dunham, Charles L. Aircraft structure. 3,013,749, 12-19-61, Cl. 244—65.

Dunham, Elmer J., to Clark Equipment Co. Box rotator attachment. 2,971,662, 2-14-61, Cl. 214—313.

Dunham, Elmer J., to Clark Equipment Co. Device for materials handling vehicles. 2,997,193, 8-22-61, Cl. 214—654.

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Dunham, John C., to Aurora Equipment Co. Shelf divider structure. 2,973,101, 2-28-61, Cl. 211—184.

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Dunigan, Francis P., to Machinery Electrification, Inc. Control apparatus. 2,969,493, 1-24-61, Cl. 318—434.

Dunigan, Francis P., to Machinery Electrification, Inc. Adjustable speed drive. 2,986,688, 5-30-61, Cl. 318—345.

Dunipace, Donald W., and J. R. Ermlich, to Libbey-Owens-Ford Glass Co. Measuring of materials by use of polarized light. 2,993,402, 7-25-61, Cl. 88—14.

Dunipace, Donald W., and F. J. Carson, to Libbey-Owens-Ford Glass Co. Method for treating multiple sheet glazing units. 3,002,321, 10-3-61; Cl. 49—89.

Duniven, Henry G. Object engaging device. 2,974,993, 3-14-61, Cl. 294—61.

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Dunkel, Walter L., R. F. Neu, and R. R. Phelan, to Esso Research and Engineering Co. Method for improving the ozone resistance of steam cured butyl rubber. 2,974,113, 3-7-61, Cl. 260—28.5.

Dunkel, Walter L., J. L. Ernst, and J. F. Wernersbach, to Esso Research and Engineering Co. Vulcanizable composition comprising butyl rubber, and alkali metal silicoaluminate and a sulfur compound, and process for vulcanizing same. 2,974,117, 3-7-61, Cl. 260—41.5.

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Dunkelberger, Jack E. and B. C., to The American Display Co. Magnetic holder. 2,966,992, 1-3-61, Cl. 211—87.

Dunkle, Richard B., to Philco Corp. Production of semiconductors and the like. 2,977,258, 3-28-61, Cl. 148—1.6.

Dunlap, Avner, to L. H. Linka. Programing control unit. 3,013,166, 12-12-61, Cl. 307—115.

Dunlap, Charles K., to Sonoco Products Co. Spiral wound paper tube having seamless outer surface. 3,002,433, 10-3-61, Cl. 93—94.

Dunlap, Charles K., W. B. Broadbent, and J. K. Taylor, to Sonoco Products Co. Firn barrel and method of forming same. 3,000,590, 9-19-61, Cl. 242—118.31.

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Dunlap, Charles K., Sr., C. K. Dunlap, Jr., and Whaley. 3,002,872.

Dunlap, Charles K., Sr., C. K. Dunlap, Jr., and B. R. Whaley, to Sonoco Products Co. Radially compressed textile yarn carrier and method of forming same. 3,002,872, 10-3-61, Cl. 154—83.

Dunlap, Charles M. Reusable bedspring crate. 2,973,090, 2-28-61, Cl. 206—65.

Dunlap, Henry F., to United States of America, Navy. Projectile. 2,994,274, 8-1-61, Cl. 102—93.

Dunlap, Henry F., to United States of America, Navy. Projectile. 2,996,011, 8-15-61, Cl. 102—93.

Dunlap, Henry F., and C. E. Hablutzel, to United States of America, Navy. Projectile. 2,968,246, 1-17-61, Cl. 102—93.

Dunlap, Henry F., and C. E. Hablutzel, to United States of America, Navy. Projectile. 2,991,720, 7-11-61, Cl. 102—93.

Dunlap, Henry F., W. D. Crozier, and R. M. Bleakney, to United States of America, Navy. Projectile. 3,000,316, 9-19-61, Cl. 102—93.

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Dunlap, Kermit S., to Bell Telephone Laboratories, Inc. Crosspoint switching network control system. 2,987,579, 6-6-61, Cl. 179—18.

Dunlap, Kermit S., to Bell Telephone Laboratories, Inc. Electrical memory circuit. 3,011,155, 11-28-61, Cl. 340—173.

Dunlap, Laurel E. Template guided trimming apparatus. 3,010,352, 11-28-61, Cl. 83—483.

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Dunlop, Andrew P., to The Quaker Oats Co. Process for the production of 2,2-bis(hydroxymethyl)tetrahydrofuran. 2,993,912, 7-25-61, Cl. 260—347.8.

Dunlop, Andrew P., to The Quaker Oats Co. Preparation of 2,2-bis(hydroxymethyl)tetrahydrofuran. 2,993,913, 7-25-61, Cl. 260—347.8.

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Barber, Ronald J., and Askam. 3,014,521.
Beebee, Brian H. 2,996,108.
Bray, Horace A. 3,014,884.
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Butler, Henry J. 2,989,152.
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Dunn, Elman R., to Gardner Machine Co. Opposed disc grinder with co-ordinating feed control. 3,001,337, 9-26-61, Cl. 51—111.

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Dunn Engineering Corp.: *See*—
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Dunn, Eugene L.: *See*—
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Dunn, Fred, and R. S. Hammett. Cleansing tool. 2,975,804, 3-21-61, Cl. 137—604.

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Dunn, Harold S. Interlocking I-beam for roof and side wall structure. 2,981,383, 4-25-61, Cl. 189—36.

Dunn, Harold S. Drainage gutter for screened enclosures. 2,983,079, 5-9-61, Cl. 50—4.

Dunn, Harold S. Demountable roof forming panel. 2,989,622, 6-27-61, Cl. 50—120.

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Dunn, Howard J., to Ekco Products Co. Spoon blank and method of manufacture. 3,008,358, 11–14–61, Cl. 76—105.
Dunn, Jenus L., to United States of America, Air Force. Electronic pulse coder. 2,978,695, 4–4–61, Cl. 340—359.
Dunn, Jesse T., to Union Carbide Corp. Process for producing acrylic acid esters. 2,992,270, 7–11–61, Cl. 260—486.
Dunn, Jesse T., to Union Carbide Corp. Process for producing acrylic acid esters. 3,013,067, 12–12–61, Cl. 260—486.
Dunn, Jesse T., and W. R. Proops, to Union Carbide Corp. Preparation of acrylic acid esters. 2,967,882, 1–10–61, Cl. 260—486.
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Dunn, Jesse T., and W. R. Proops, to Union Carbide Corp. Preparation of acrylic acid esters. 2,967,884, 1–10–61, Cl. 260—486.
Dunn, Jesse T., and D. T. Manning, to Union Carbide Corp. Process for dehydrogenating alkyl pyridines. 2,980,684, 4–18–61, Cl. 260—290.
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Dunn, Lewis H., and W. M. Trigg, to Westinghouse Electric Corp. Method for making tubular structure. 2,993,980, 7–25–61, Cl. 219—50.
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Dunn, Samuel D. Automatic tractor and implement attaching structure. 2,996,127, 8–15–61, Cl. 172—275.
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Armstrong, David E., Dunn, Stulen, and Roeser. 2,971,556.
Dunn, Wendell E., Jr., to E. I. du Pont de Nemours and Co. Chlorination of niobium oxychloride. 3,009,773, 11–21–61, Cl. 23—87.
Dunn, William E.: *See*—
Vice, Charles L., Dunn, and Fowler. 2,998,906.
Dunn, William H., to International Business Machines Corp. Signal translating apparatus. 2,972,137, 2–14–61, Cl. 340—347.
Dunn, William J., C. A. Ankenbrock, and M. Rabb, to Fairchild Camera and Instrument Corp. Display system. 2,980,821, 4–18–61, Cl. 315—24.
Dunne, John P.: *See*—
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Dunne, John P. Rotary valve engine. 2,989,955, 6–27–61, Cl. 123—53.
Dunnebier, Kurt: *See*—
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Winkler, Richard, and Dunnebier. 2,996,859.
Winkler, Richard, and Dunnebier. 2,996,962.
Winkler, Richard, and Dunnebier. 3,000,151.
Dunnet, Charles W. Butter pat slicer. 2,978,809, 4–11–61, Cl. 31—21.
Dunnet, Charles W. Butter pat slicer. 2,978,810, 4–11–61, Cl. 31—21.
Dunnet, Charles W. Butter pat slicer. 2,978,811, 4–11–61, Cl. 31—21.
Dunning, J. D., Corp.: *See*—
Gustafson, Lewis H., and Rist. 3,005,572.
Dunning, Leighton: *See*—
Wilson, Ronald M., Dunning, and Madill. 3,008,608.
Dunton, John T., to Dresser Industries, Inc. Self-sealing pipe coupling. 2,980,449, 4–18–61, Cl. 285—110.
Dunton, Thornley A., and D. K. Worn, to The International Nickel Co., Inc. Iron powder and the manufacture of magnetic cores therefrom. 2,971,872, 2–14–61, Cl. 148—105.
Dunwody, Archibald B. Method and apparatus for the segregation of particulate material. 2,99,596. 9–12–61, Cl. 209—467.
Du Pa Co., Inc.: *See*—
Page, Franklin H., Jr. 2,969,453.
Du Perow, Donald E., to Lincoln Brass Works. Gas valve. 2,987,078, 6–6–61, Cl. 137—559.2.
Du Perow, Donald E., D. E. Blackford, and E. W. Carlson, to Lincoln Brass Works. Gas valve structure. 3,012,584, 12–12–61, Cl. 137—636.4.
Duplantis, Lloyd J., and S. D. Pool, Jr. Shrimp and fish separating machine and method for separating shrimp and fish. 2,991,882, 7–11–61, Cl. 209—77.
Duplate Canada Ltd.: *See*—
Bateson, Sydney. 3,011,265.
Dupler, Raymond R. Air-heater and safety feature for same. 2,969,787, 1–31–61, Cl. 126—92.
Dupler, William W., and J. A. Gustairs, to General Motors Corp. Paint spray gun with detachable head. 2,991,940, 7–11–61, Cl. 239—125.
Dupli-Color Products Co., Inc.: *See*—
Edelstone, Sigmund E., and Neely. 2,983,946.
Du Pont Co. of Canada (1956) Ltd.: *See*—
Dyer, Gerald B., and Heinstein. 2,966,700.
Gilby, Ralph F., Jr., Hogberg, and Phibbs. 2,971,010.
Du Pont de Nemours, E. I., and Co.: *See*—
Acker, Donald S. 2,992,234.
Aftandilian, Victor D. 3,013,041.
Akers, Richard L. 3,008,658.
Akers, Richard L. 3,009,661.
Alderson, Thomas. 3,013,066.
Albert, Robert E., and Vosburgh. 2,996,482.
Alexander, Guy B. 2,974,108.
Alexander, Guy B., and Bolt. 3,007,878.
Alexander, Guy B., and Bugosh. 2,984,576.
Alexander, Guy B., and Bugosh. 2,984,628.
Alexander, Guy B., Iler, and West. 2,972,529.
Allen, Robert C. 2,974,596.
Alles, Francis P. 2,976,147.
Alles, Francis P., and Saner. 3,009,847.
Alley, Harry. 3,011,215.
Alsup, Richard G., and Lindvig. 2,993,025.
Amborski, Leonard E. 2,975,484.
Anderson, Arthur W., Bruce, Merckling, and Truett. 3,012,023.
Anderson, John L. 3,004,068.
Anderson, John L., and Putnam. 2,971,949.
Andrews, Alday B., and Loving. 3,009,526.
Andrews, William P. 3,003,884.
Ansul, Gerald R. 3,012,987.
Anthes, Harrison I. 2,982,751.
Armitage, John B., Dessauer, and Hyson. 3,006,959.
Arthur, Paul, Jr. 2,970,115.
Arthur, Wilfred J. 2,976,183.
Arvidson, Harold C., Jr., and Blake. 2,999,839.
Ashby, Clarence E., Foster, and Pieski. 2,993,882.
Atkins, Robert C. 3,012,973.
Baer, Donald R., and Ver Nooy. 3,004,061.
Bacon, Osborne C. 2,992,138.
Baker, Bertsil B., and Knaack. 3,007,981.
Baker, Melvin C., Bissot, and Rowbottom. 2,980,630.
Balthis, Joseph H., Jr. 3,014,020.
Bannerman, Douglas G. 2,989,798.
Barker, Harold C., and Lewis. 2,995,539.
Bartholomay, Henry W. 2,990,291.
Bartlett, Philip L. 2,980,518.
Bartron, Lester R. 3,000,843.
Batt, Irving P. 3,005,723.
Bauer, Carl R. 2,983,674.
Baxter, Warren N., and Robinson. 2,968,650.
Bechtold, Max F. 2,972,511.
Behnke, Wallace P., and Herrman. 2,984,546.
Bell, Richard W., Csendes, and McShane. 2,999,840.
Bennett, Edward J., and Parmelee. 2,999,816.
Berry, Charles E., and Cichelli. 2,987,767.
Berry, Kenneth L. 2,980,510.
Berry, Kenneth L. 3,012,856.
Bertrand, Louis, and Olson. 3,012,862.
Bidgood, Lee, Jr. 2,972,177.
Bieber, Roman C., and Miller. 2,988,777.
Bither, Tom A., Jr. 3,008,797.
Blake, Norman. 2,993,816.
Blake, Norman, Daendliker, and Holstein. 3,008,858.
Blake, Norman, and Hill. 2,994,693.
Blanchard, Vernon W. 2,997,388.
Blatz, Philip S. 2,976,184.
Blatz, Philip S. 2,977,336.
Block, Le Roy P. 2,972,796.
Blomstrom, Dale C., and Smith. 3,008,967.
Blosser, Lloyd G. 2,990,347.
Boekelheide, Virgil C., and Windgassen. 2,986,563.
Borcherdt, Gerald T. 2,992,426.
Bower, Frank A. 2,999,817.
Bowers, George H., III. 2,968,637.
Boyer, Nolan D., and Lewis. 2,987,240.
Brachman, Armand E. 3,000,837.
Brachman, Armand E. 3,014,924.
Brasen, Wallace R. 3,008,973.
Brasure, Donald E. 2,970,066.
Breen, Alvin L. 2,987,797.
Breen, Alvin L. 3,003,223.
Breen, Alvin L. 3,013,379.
Breen, Alvin L. 3,014,237.
Breen, Alvin L., and Pamm. 2,999,296.
Breen, Alvin L., and Sussman. 2,997,837.
Breen, Alvin L., and Sussman. 3,009,309.
Breza, Cyril J., and Davis. 2,999,743.
Bricker, Burton C., and Hoffman. 2,975,070.
Brightbill, Edgar N., and Lindland. 2,978,442.
Brill, Harold C. 3,002,854.
Bristol, John E. 2,995,548.
Bristol, John E., and Call. 2,988,517.
Bro, Manville I. 3,000,844.
Bro, Manville I., Convery, and Schreyer. 2,988,542.
Brooks, Robert A. 2,980,691.
Brown, Northrop, Funck, and Schweitzer. 3,000,860.
Brown, Northrop, Funck, and Schweitzer. 3,000,861.
Bruce, John M., Jr. 2,992,190.
Bruck, Stephen D. 2,977,340.
Bruton, James D., Gresham, and McPherson. 2,989,515.
Bryan, Paul J. 2,974,589.
Bugosh, John. 3,013,901.
Bugosh, John. 3,013,902.
Bugosh, John. 3,013,903.
Bundy, Robert W. 3,001,265.
Bunting, William W., Jr., and Cenzato. 2,990,671.
Bunting, William W., Jr., and Nelson. 2,985,995.
Burk, Robert E., and Price. 2,999,772.
Burke, William R. 3,013,333.
Burns, John T. 2,971,243.

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Cacella, Arthur F., and White. 2,999,760.
Calhoun, James J. 3,006,028.
Campbell, Tod W. 3,014,818.
Carboni, Rudolph A. 2,990,417.
Carboni, Rudolph A. 3,013,013.
Carmack, Marvin, and Luckenbaugh. 2,985,663.
Chambers, William J., and Coffman. 2,992,226.
Chapin, Robert S. 3,006,055.
Chapman, Aurelius F. 2,968,538.
Cichelli, Mario T. 2,987,765.
Clarke, Ray A. 2,978,345.
Clarke, Ray A. 2,978,352.
Clendening, Francis J., Jr. 2,971,241.
Clendening, Francis J., Jr. 2,978,783.
Cole, Paul M. 2,983,028.
Coney, Kenneth R., Pyewell, and Webb. 3,003,978.
Convery, Robert J. 2,985,673.
Cook, Melvin A., Done, and Wochrman. 3,004,462.
Cooper, Paul D., and Zimny. 2,975,483.
Copelin, Harry B., and Garnett. 3,007,941.
Coursen, David L. 2,999,458.
Crawford, Harry E. 2,993,789.
Csendes, Ernest. 2,970,128.
Csendes, Ernest. 2,999,841.
Csendes, Ernest. 2,999,842.
Csendes, Ernest. 3,004,035.
Cupery, Harold E., and Searle. 3,011,887.
Cupery, Martin E. 3,013,904.
Cuprey, Martin E., and Iler. 3,013,897.
Czerwin, Edward P., and Seidel. 2,976,173.
Dal Nogare, Stephen, and Punderson. 2,998,409.
De Jong, Jan I. 2,976,269.
Dempcy, Donald F. 3,013,898.
Dempcy, Donald F., and Rule. 2,980,558.
Deyrup, Alden J. 2,996,353.
Deyrup, Alden J. 3,006,823.
Dickinson, Clifford L., Jr. 3,013,018.
Dickinson, Clifford L., Jr., and McKusick. 2,998,425.
Dickinson, Clifford L., Jr., and McKusick. 2,998,426.
Dickinson, Clifford L., Jr., and Middleton. 2,998,419.
Dirnberger, Lawrence A., and Nelson. 2,974,109.
Dixon, Stanley. 2,977,360.
Dixon, Stanley. 2,977,371.
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Dombrowski, Henry S. 2,984,560.
Downing, Richard M., Staats, and Wyeth. 2,973,552.
Drysdale, John J. 3,012,069.
Dunn, Wendell E., Jr. 3,009,773.
Eaton, Russell B., and Jacobson. 3,012,876.
Ehle, Sharon R. 2,989,399.
Eifert, Robert L., and Marks. 2,996,481.
Eifert, Robert L., and Marks. 3,000,862.
Eiseman, Bernhardt J., Jr. 2,999,680.
Eiseman, Bernhardt J., Jr. 2,999,815.
England, David C. 2,996,518.
Entemann, Charles E. 3,005,694.
Euler, Robert D. 2,975,022.
Evans, Evan F., and Grandine. 3,006,894.
Fang, James C. 2,967,173.
Farago, John. 2,980,651.
Farago, John. 3,004,945.
Farlow, Mark W. 2,980,739.
Farlow, Mark W. 2,981,761.
Fassnacht, Hartwell H., Felch, and Forrest. 2,992,087.
Fassnacht, Hartwell H., and Sagers. 2,999,014.
Feild, Robert B. 3,004,052.
Felch, Robert W. 2,992,611.
Fernstrom, George A. 2,982,994.
Fields, Reuben T., and Wolf. 2,991,508.
Finlay, Joseph B. 2,999,887.
Firestine, John C. 2,976,294.
Fisher, Bruce S. 3,000,867.
Fisher, John R., and Johnstone. 2,977,246.
Fitch, Robert M. 2,988,524.
Fleming, Richard A. 2,992,061.
Flenner, Albert L. 2,967,191.
Flenner, Albert L. 2,992,161.
Flook, William M., Jr. 2,967,947.
Foster, Robert E., and Kirby. 2,967,200.
Foster, Samuel P. 2,990,580.
Frazer, August H. 3,009,901.
Frey, Harold J., Jr., and Voter. 3,003,932.
Friedrich, Martin E. 3,005,031.
Fuchs, Julius J. 3,013,077.
Fuller, Frank F., Rule, and Thompson. 3,013,525.
Funck, Dennis L., and Vogl. 3,001,966.
Furini, Bruno, Jr. 2,977,837.
Gage, Thomas B. 2,993,825.
Gage, Thomas B., and Walker. 3,007,764.
Gano, Robert D. 3,004,821.
Gatcomb, Gerald L. 2,988,457.
Gates, Carter C. 3,013,078.
Geerdes, James D. 2,994,672.
Gerjovich, Henry J. 2,983,762.
Gessner, Joseph, and Seyler. 3,012,971.
Gibbs, Hugh H. 3,000,979.
Gilby, Ralph F., Jr. 3,012,071.
Gilby, Ralph F., Jr., Hogberg, and Phibbs. 2,971,010.
Gill, James M., and Hildebrand. 2,980,284.
Goebel, Max T. 2,973,259.
Goldman, Max. 2,979,777.
Goldman, Max. 3,008,185.
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Gorton, Bert S., and Hause. 2,976,218.
Graham, Peter J. 2,988,564.
Gray, Charles L., Jr., and Dettre. 3,004,863.
Gregor, Lawrence V., and Parkins. 2,998,297.
Gregory, Walter A. 2,988,481.
Gregory, Walter A. 3,012,073.
Griffing, John M. 2,981,978.
Griswold, Paul H., Ehrich, and Struve. 2,969,366.
Gronholz, Le Roy F. 2,968,065.
Grumbine, Arthur W. 2,993,790.
Grumbine, Arthur W. 2,993,792.
Gulledge, Hugh C. 2,980,489.
Gulledge, Hugh C. 2,980,490.
Halliden, Carl E., Jr., and Murenbeeld. 3,005,251.
Handy, Carleton T., and Joyce. 3,004,960.
Hanke, Albert R. 2,967,841.
Hansen, John E. 3,009,900.
Hare, Weston A., and White. 2,989,495.
Harford, Edward F. 3,003,912.
Harper, Lee R. 2,981,712.
Harris, Charles R. 2,999,073.
Harris, John F., Jr. 2,967,810.
Harris, John F., Jr. 2,995,571.
Harris, John F., Jr. 2,995,572.
Harrison, Jean B. 3,001,908.
Hasek, William R., and Haven. 2,980,740.
Haslam, John H. 2,980,719.
Haslam, John H. 2,999,003.
Heberling, Jack W., Jr. 2,999,885.
Heckert, Richard E., and Middleton. 2,980,698.
Herglotz, Heribert K. 3,008,887.
Heuse, Ralph O. 2,982,759.
Hill, Broadus E. 2,971,219.
Hill, Harold W., Jr., Kwolek, and Morgan. 3,006,899.
Hill, Walter C., Jr., and Ibbs. 3,001,732.
Hochberg, Jerome. 2,997,448.
Hoeschele, Guenther K. 2,984,645.
Hoeschele, Guenther K., and Verbane. 3,008,995.
Hoffman, Lewis C. 2,986,530.
Hoffman, Robert M. 2,976,875.
Hollowell, Joseph L. 2,974,393.
Hoover, Fred W. 2,983,758.
Hopkins, Paul D., Miller, and Noddin. 2,997,911.
House, Henry A. 3,007,205.
Howard, Edward G., Jr., and Middleton. 2,970,173.
Hubbard, Harold M., and Sanftner. 2,992,069.
Hunt, Heman D. 2,993,893.
Hyson, Archibald M. 3,008,986.
Ikeda, Carol K. 3,010,918.
Ikeda, Carol K. 3,010,923.
Ikeda, Carol K. 3,010,924.
Ikeda, Carol K. 3,010,945.
Iler, Ralph K. 2,974,105.
Ingersoll, Henry G. 2,991,510.
Inskip, Harold K., and Klabunde. 2,990,398.
Ireland, John P., Jr. 2,987,997.
Iyengar, Bindiganavale R. Y. 3,013,936.
Jackson, Harold L. 3,004,011.
Jackson, Harold L., and Miller. 2,992,885.
Jackson, Harold L., and Seligman. 3,004,012.
Jacobson, Howard W. 2,969,852.
James, George M. 2,970,890.
Jamieson, William H., and Reese. 2,980,492.
Jenks, William R., and Linder. 2,993,754.
Johnson, William G. 2,980,726.
Johnson, William G. 2,980,727.
Johnston, Robert A., Holden, and Moltenbrey. 3,000,757.
Joukainen, Arnold S., and Povelones. 2,972,359.
Julian, Frank M., and Siefen. 2,974,163.
Kalb, George H. 2,985,510.
Kalil, James, and Miller. 3,001,965.
Kamlet, Jonas. 2,982,644.
Kasey, Robert A., Jr., Rinker, and Scheuerman. 3,005,472.
Katz, Manfred. 2,975,157.
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Keats, John L. 2,980,582.
Keefe, Robert L., Jr. 2,978,788.
Kelemen, Denis G. 2,985,519.
Ketterer, Charles C. 2,974,123.
Kilian, Joseph J. 3,002,804.
King, Kenneth F. 2,994,688.
Kissa, Erik. 3,013,869.
Klacsmann, John A. 2,970,079.
Knaack, Donald F. 2,983,764.
Knoth, Walter H., Jr. 2,983,744.
Knoth, Walter H. 3,009,961.
Knox, Roger E. 3,006,033.
Koch, Theodore A., and Robinson. 3,014,958.
Krahler, Stanley E. 2,999,812.
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Krespan, Carl G. 2,996,527.
Krespan, Carl G., and Sausen. 2,977,394.
La Barre, George D., Jr. 3,014,881.
La Berge, Robert W. 3,008,847.
Lauterbach, Herbert G. 2,996,411.
Lavely, George H. 2,996,409.
Le Claire, Charles F. 2,995,469.
Lewis, Thomas G. 2,968,134.
Lindegren, Carl R. 2,977,339.
Lindsey, Richard V., Jr., and Stevenson. 2,999,107.
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Littler, Clarence A. 2,992,090.
Locke, Charles T. 2,998,294.
Long, Cecil L. 2,968,067.
Long, George R. 3,006,137.
Loux, Harvey M. 3,010,968.
Loveland, Chester L., and Thomas. 2,994,938.
Low, Frederick G. 2,992,146.
Luckenbaugh, Raymond W. 2,978,480.
Luckenbaugh, Raymond W. 3,007,843.
Luckenbaugh, Raymond W. 3,010,870.
Ludwig, Richard E. 2,999,836.
Luker, William D. 2,987,101.
Lyman, Donald J. 2,984,636.
Lyman, Donald J. 3,006,715.
Mackey, Robert W., and Swalheim. 2,989,449.
Madsen, Herman P. 3,009,851.
Maffet, Vere. 3,000,739.
Mahler, Walter. 2,968,665.
Maier, Robert E., and Starr. 3,013,309.
Mallonee, James E. 2,968,575.
Malmquist, Alfred B., and Mayfield. 2,989,423.
Maloney, Norvin G., Jr. 3,013,429.
Manger, Charles W., and Ehrich. 3,007,930.
Maple, Donald E. 3,002,947.
Marcali, Kalman. 3,004,075.
Marks, Barnard M. 2,993,878.
McBride, Richard T. 2,973,287.
McBride, Richard T. 2,976,185.
McCane, Donald I. 2,982,786.
McClellan, William R. 2,990,418.
McCormick, Gordon R., and Read. 2,969,561.
McFarland, John W. 3,012,996.
McKusick, Blaine C., and Sauer. 2,988,493.
Meier, John W. 2,977,243.
Meier, John W. 3,014,004.
Melby, Lester R. 3,005,015.
Meloon, Daniel T., and Osborn. 2,976,446.
Middleton, William J. 2,980,695.
Middleton, William J. 3,012,995.
Miegel, Ralph E. 2,999,855.
Milford, George N., Jr., and Wall. 2,976,268.
Miller, Henry C. 2,990,423.
Miller, Henry C., and Muetterties. 2,999,864.
Miller, Kenneth L. 3,001,964.
Minnich, John W. 3,014,917.
Moler, George L. 2,991,536.
Moler, George L. 3,007,227.
Moler, George L., and Adams. 2,991,537.
Monroe, George C., Jr., and Vaughan. 2,991,264.
Moore, Charles B. 2,980,855.
Morgan, Paul W. 2,999,788.
Nichols, George M. 2,998,453.
Nichols, George M. 2,998,454.
Nicoll, William A. 3,011,916.
Noddin, George A. 2,980,019.
Noddin, George A. 2,991,714.
O'Connor, Timothy E. 3,002,952.
Oken, Aaron. 2,977,370.
Olson, Carl M. 2,982,645.
Osborn, Robert O. 2,994,630.
Osborne, Allan G. 2,980,623.
Osdal, Le Verne K. 2,998,332.
Ours, Carl C. 3,000,030.
Overman, Joseph D. 2,989,417.
Oxenham, Peter R. 3,006,360.
Paddison, Osborne H., and Sommers. 2,976,278.
Pailthorp, John R., and Schroeder. 2,968,649.
Pangonis, William J. 3,008,913.
Parrish, Esperanza, McCartney, and Morgan. 2,988,782.
Parrish, Robert G. 2,994,678.
Paulsen, William F. 2,971,683.
Pease, Donald C. 3,012,857.
Pellin, Remo A. 3,012,865.
Perri, Joseph M. 3,002,956.
Pfeffer, James F., Jr. 2,972,451.
Pitts, Leonard S. 3,008,215.
Pitzl, Gilbert. 3,003,222.
Plesmid, Frank J. 3,012,854.
Porck, Alfred J. 2,999,843.
Porter, Harold F. 2,992,277.
Pratt, Burt C. 2,992,425.
Pratt, Burt C. 2,996,709.
Pratt, Burt C. 2,996,710.
Prichard, William W. 2,988,526.
Prichard, William W. 3,003,971.
Proctor, James S. 2,994,617.
Prosser, Robert M., and Seibert. 2,999,106.
Quehl, Henry E., Jr. 2,969,327.
Quehl, Henry E., Jr. 2,983,638.
Quinn, James M., and Schneider. 2,999,838.
Quinn, James M., and Schneider. 3,003,994.
Raasch, Maynard S. 2,979,435.
Raasch, Maynard S. 3,000,940.
Robbins, Gordon B. 3,008,814.
Robinson, William T. 3,005,780.
Roedel, Milton J. 2,983,704.
Rogan, John B. 3,012,993.
Rogers, Arthur O. 3,007,937.
Rowbottom, Jack. 2,999,072.
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Saegebarth, Klaus A. 3,008,997.
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Sagers, Donald L. 3,011,883.
Sanderson, James J. 2,989,492.
Saner, William R., and Burg. 2,972,540.
Sartori, Mario F. 2,995,578.
Sartori, Mario F. 2,995,579.
Saxton, Ronald L. 3,006,029.
Schneider, Allan K., and Thomas. 2,983,626.
Schoenbeck, Melvin A. 2,971,221.
Schreyer, Ralph C. 2,986,531.
Schulz, William E. 2,976,757.
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Sears, George W., Jr., and Smutz. 2,992,262.
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Thomas, John C., and Whitman. 2,983,740.
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Thompson, Kenneth E., Jr. 2,983,624.
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Du Shane, Wallace H., and L. R. Beard, to Deere & Co. Control mechanism. 3,002,397, 10–3–61, Cl. 74—482.

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Duva, Robert, and E. C. Rinker, to Sel-Rex Corp. Platinum plating composition and process. 2,984,604, 5–16–61, Cl. 204—47.

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Dvorkovitz, Vladimir, and J. A. Goldman, to The Diversey Corp. Method of preparing washing composition. 2,982,736, 5–2–61, Cl. 252—138.

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Good, Paul J. 2,998,842.

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Dziedziula, Edward J.: *See*—
Pecoraro, Ralph R., and Dziedziula. 2,994,760.
Pecoraro, Ralph R., Sinatra, and Dziedziula. 2,997,940.
Sinatra, Angelo S., Dziedziula, and Pecoraro. 2,974,499.

Dziergwa, Herbert: *See*—
Lompe, Arved, and Dziergwa. 3,007,071.

Dzierzanowski, Frank J.: *See*—
Haden, Walter L., Jr., and Dzierzanowski. 2,992,068.

Dzula, Boris: *See*—
Hinton, Raymond C. P., Dzula, and Fettweis. 3,013,253.

E-I-M Co., Inc.: *See*—
Morrell, James N. 3,011,359.
E. Leybold's Nachfolger: *See*—
Nöller, Hans-Georg, and Bächler. 2,977,041.
Reich, Gunter. 2,980,317.
E.M.B. Elektromotorenbau A.G.: *See*—
Akermann, Paul. 2,972,310.
Akermann, Paul. 3,005,415.
E.M.P. Electric Ltd.: *See*—
Hicks, Bruce C. 2,989,608.
E.P.S. Co. Ltd.: *See*—
Honey, Eric M. O., Hardy, and Sharp. 2,984,869.
E.R.A. Patents Ltd.: *See*—
Bacon, Francis T. 2,969,315.
ETA A.G. Ebauches-Fabrik: *See*—
Stamm, Heinrich. 2,995,019.
EZ Paintr Corp.: *See*—
Pharris, John A., and Mlachnik. 3,008,167.
EZ Way, Inc.: *See*—
Uhl, Joseph M. 2,991,674.
Eachus, Joseph J., to Minneapolis-Honeywell Regulator Co. Information manipulating apparatus. 2,981,471, 4–25–61, Cl. 235—175.
Eachus, Joseph J., to Minneapolis-Honeywell Regulator Co. Electrical signal gating apparatus. 2,986,652, 5–30–61, Cl. 307—88.5.
Eachus, Joseph J., to Minneapolis-Honeywell Regulator Co. Electronic binary counter circuitry. 2,997,602, 8–22–61, Cl. 307—88.5.
Eachus, Joseph J.: *See*—
Bloch, Richard M., and Eachus. 3,008,127.
Eades, Lawrence R., to Phillips Petroleum Co. Carbon black pellet mill. 2,994,912, 8–8–61, Cl. 18—1.
Eadie, Edward M., Jr., to Daystrom Inc. Relay contact system. 3,002,074, 9–26–61, Cl. 200—166.
Eads, Charles L., to Adams Rite Mfg. Co. Narrow stile double bolt door lock. 2,989,859, 6–27–61, Cl. 70—116.
Eads, Charles L., to Adams Rite Mfg. Co. Lock cylinder coordinator. 3,011,330, 12–5–61, Cl. 70—100.
Eads, Charles L., to Adams Rite Mfg. Co. Narrow stile door lock. 3,011,817, 12–5–61, Cl. 292—140.
Eagan, Thomas M. Food warmer. 3,005,084, 10–17–61, Cl. 219—45.
Eager, William A., and L. W. Bell, to Star Precision Devices, Inc. Interchangeable drill chuck and handle. 2,980,433, 4–18–61, Cl. 279—9.
Eagle, John H.: *See*—
Stimson, Allen G., Eagle, and Lareau. 3,001,443.
Nerwin, Hubert, and Eagle. 2,999,439.
Eagle-Picher Co., The: *See*—
Edwards, Cyril J., Jr., and Winegar. 2,980,144.
Fitz, Edward J., and Sorokin. 3,008,181.
Gora, Henry Z. 2,980,961.
Grover, Anthony P. 3,007,197.
Eagleson, Hodge M. Double acting two-stroke cycle engine. 3,000,367, 9–19–61, Cl. 123—53.
Eakin, Birch H. Tension type release coupler. 3,009,729, 11–21–61, Cl. 294—83.
Ealet, Pierre, to Societe Anonyme dite: Etablissements Gustin Fils. Machine for cutting up wood, especially sawmill scraps. 3,000,411, 9–19–61, Cl. 144—176.
Ealet, Pierre, to Societe Anonyme dite: Etablissements Gustin Fils. Device for lifting and handling bales of straw fodder or the like. 3,006,489, 10–31–61, Cl. 214—147.
Eames, Arvid L. Cabinet for vapor immunization of fowls. 2,984,240, 5–16–61, Cl. 128—185.
Eames, Charles, to Herman Miller, Inc. Furniture frame construction. Re. 24,964, 4–11–61, Cl. 155—187.
Eames, Charles, to Herman Miller, Inc. Side flexing shock mount. 2,969,831, 1–31–61, Cl. 155—191.
Eames, James O.: *See*—
Eames, James O. 2,980,220.
Eaton, Wilfred A. 2,986,238.
Eaton, Wilfred A. 2,986,240.
Sanford, Roy S. 2,986,239.
Eames, James O., to R. S. Sanford, R. H. Casler, J. O. Eames, W. A. Eaton, and E. D. Sedergren. Brake mechanism. 2,966,966, 1–3–61, Cl. 188—264.
Eames, James O., to R. S. Sanford, W. A. Eaton, E. D. Sedergren, R. H. Casler, and J. O. Eames. Liquid cooled frictional mechanism. 2,980,220, 4–18–61, Cl. 192—113.
Eames, James O., to R. S. Sanford, R. H. Casler, J. O. Eames, W. A. Eaton, and E. D. Sedergren. Liquid cooled frictional mechanism. 2,982,377, 5–2–61, Cl. 188—264.
Eames, James O., to R. S. Sanford, R. H. Casler, J. O. Eames, W. A. Eaton, and E. D. Sedergren. Liquid cooled frictional mechanism. 3,007,554, 11–7–61, Cl. 188—264.
Eames, James O., to R. S. Sanford, W. A. Eaton, E. D. Sedergren, R. H. Casler, and J. O. Eames. Liquid-cooled frictional mechanism. 3,007,555, 11–7–61, Cl. 188—264.
Eames, James O., to R. S. Sanford, W. A. Eaton, E. D. Sedergren, R. H. Casler, and J. O. Eames. Liquid-cooled frictional mechanism. 3,007,556, 11–7–61, Cl. 188—264.
Eames, Robert A. Coach support structure. 2,995,397, 8–8–61, Cl. 296—23.
Eames, Walter R., Jr., and E. S. Witchger, to Eaton Mfg. Co. Internal gear pump. 2,968,251, 1–17–61, Cl. 103—126.
Eames, Walter R., Jr., to Eaton Mfg. Co. Variable capacity pump. 3,002,461, 10–3–61, Cl. 103—11.
Eannarino, George, and G. B. Finn, Jr., to Sarkes Tarzian, Inc. Semiconductor device. 2,981,873, 4–25–61, Cl. 317—234.
Eans, Marvin C., Jr., to General Electric Co. Wire dispensing apparatus. 2,981,491, 4–25–61, Cl. 242—45.
Eans, Marvin C., Jr., and J. B. Neale, to General Electric Co. Automatic grid making machine. 3,001,556, 9–26–61, Cl. 140—71.5.
Eardley, Stephen: *See*—
Long, Alan G., and Eardley. 3,004,995.
Earhart, Harold W.: *See*—
DePierri, William G., Jr., and Earhart. 3,004,078.
Earhart, Harold W., and W. G. De Pierri, Jr., to Esso Research and Engineering Co. Method for chloromethylating aromatic hydrocarbons. 2,973,391, 2–28–61, Cl. 260—651.
Earl, John A., to Consolidated Electrodynamics Corp. Ceramic composition. 2,992,932, 7–18–61, Cl. 106—49.
Earle, Francis, Laboratories, Inc.: *See*—
Suchow, Lawrence. 2,974,053.
Suchow, Lawrence. 2,989,411.
Earle, Wilton R., V. J. Evans, E. L. Schilling, and J. C. Bryant, to United States of America, Health, Education & Welfare. Fluid suspension culture method for fixed tissue cells. 2,990,335, 6–27–61, Cl. 167—84.5.
Earley, James W., C. W. Tittle, and A. R. Graham, to Gulf Research & Development Co. Neutron-capture, gamma-ray prospecting method. 2,983,817, 5–9–61, Cl. 250—83.3.
Earley, James W., C. W. Tittle, and A. R. Graham, to Gulf Research & Development Co. Induced gamma activity prospecting method. 3,008,047, 11–7–61, Cl. 250—83.
Earley, Walter D. Ladder and stool combined. 2,998,862, 9–5–61, Cl. 182—33.2.
Early, Harold C., to Meredith Publishing Co. Voltage regulator for high voltage power supplies. 2,981,883, 4–25–61, Cl. 323—16.
Early, Harold C., and D. B. Miller, to Meredith Publishing Co. Method of drying printed webs. 2,972,196, 2–21–61, Cl. 34—1.
Early, Paul F., to Globe Industries, Inc. Demand inhalator. 2,989,970, 6–27–61, Cl. 137—63.
Early, Richard L.: *See*—
Allgeyer, Guy H., Early, and Sorbie. 2,978,619.
Allgeyer, Guy H., Early, and Sorbie. 2,987,179.
Fedorchak, William J., and Early. 2,988,218.
Earnhardt, Homer D. Stitch picker tool. 2,987,740, 6–13–61, Cl. 12—103.
Earth Equipment Corp.: *See*—
Bradley, William J. 2,989,198.
Easan Electrical (Proprietary) Ltd.: *See*—
Barnes, Geoffrey W. 3,003,095.
Eash, Edwin R., to C. G. Conn, Ltd. Musical instrument valve construction. 2,988,948, 6–20–61, Cl. 84—392.
Eash, George H., to The Toledo Trust Co. Magnetic recorder. 3,009,024, 11–14–61, Cl. 179—100.2.
Eash, John T., to The International Nickel Co., Inc. Gall resistant nickel-copper alloy. 2,968,550, 1–17–61, Cl. 75—171.
Eash, John T., to The International Nickel Co., Inc. Gall resistant nickel alloy. 2,974,038. 3–7–61, Cl. 75—171.
Easley, John A., and C. W. Hopkins, to The Dow Chemical Co. Etching. 2,979,387, 4–11–61, Cl. 41—42.
Easley, Morris E. Electrically heated toilet seat. 2,972,034, 2–14–61, Cl. 219—19.
Eason, Clarence M., to Industrial Clutch Corp. Roll feed mechanism. 2,970,489, 2–7–61, Cl. 74—120.
Eason, Robert F. Attachments for clothes hangers. 2,989,191, 6–20–61, Cl. 211—113.
Eastburg, Clifford L., to The Timken Roller Bearing Co. Vent fitting for bearing structures and the like. 2,973,230, 2–28–61, Cl. 308—187.
East Coast Millwork Co., Inc.: *See*—
Greenstein, Alexander, and N. 2,980,181.
Eastcott, Peter de H., to Canadian General Electric Co., Ltd. Dual-motor A.C. drive for automatic hoists. 2,982,897, 5–2–61, Cl. 318—46.
Eastep, Noble. Tree sprayer. 3,011,724, 12–5–61, Cl. 239—286.
Easter, Elmer W., to Dravo Corp. Articulated boat rudders. 2,996,031, 8–15–61, Cl. 114—167.
Easter, William M., Jr.: *See*—
Carpenter, Marion S., Easter, and Wood. 2,997,503.
Dorsky, Julian, and Easter. 2,976,321.
Dorsky, Julian, and Easter. 2,976,327.
Easterbrook, John N., to Westinghouse Electric Corp. Electrical control apparatus. 3,007,104, 10–31–61, Cl. 322—27.
Eastern Air Lines, Inc.: *See*—
Markley, James M., and Parham. 2,988,012.
Markley, James M., and Parham. 3,003,431.
Eastern Box Co., The: *See*—
Hasselhoff, Carl S. 2,989,176.
Eastern Cap and Closure Co., The: *See*—
Steinkamp, Herman A. 3,013,700.
Eastern Engraving and Machine Co., Inc.: *See*—
Morgan, John S. 2,988,838.
Eastern Malleable Iron Co., The: *See*—
Pelcin, Albert L. 2,987,908.
Eastern Power Devices Ltd.: *See*—
Surgeon, Joseph A. 3,009,995.
Eastern Products Corp.: *See*—
Lydard, Martin L. 2,991,968.
Lydard, Martin L. 3,010,550.
Walsh, John S., and Milton. 2,978,349.
Eastern Rotorcraft Corp.: *See*—
Huber, John R. 2,976,955.
Huber, John R. 2,998,225.

Eastern Steel Rack Co.: *See*—
Huber, John R. 2,998,625.
Shivek, Herbert L. 2,991,888.

Eastman, Du Bois, to Texaco Inc. Generation of power from ash-forming hydrocarbons. 2,975,594, 3–21–61, Cl. 60—39.2.

Eastman, Du Bois, to Texaco Inc. Generation of carbon monoxide and hydrogen from a liquid hydrocarbon. 2,976,135, 3–21–61, Cl. 48—215.

Eastman, du Bois, and W. G. Schlinger, to Texaco Inc. Hydroconversion of hydrocarbons with separation of products. 2,989,459, 6–20–61, Cl. 208—102.

Eastman, du Bois, and W. G. Schlinger, to Texaco Inc. Treatment of hydrocarbons. 2,989,460, 6–20–61, Cl. 208—107.

Eastman, du Bois, and W. G. Schlinger, to Texaco Inc. Conversion of hydrocarbons with turbulent flow, in the presence of hydrogen. 2,989,461, 6–20–61, Cl. 208—107.

Eastman, du Bois, and B. H. Sage, to Texaco Inc. Coal gasification apparatus. 3,000,711, 9–19–61, Cl. 48—63.

Eastman, Du Bois, and W. G. Schlinger, to Texaco Inc. Separation of carbon dioxide from gaseous mixtures. 3,001,373, 9–26–61, Cl. 62—17.

Eastman, Howard W., to Eastman Tag & Label Co. Tags. 2,979,840, 4–18–61, Cl. 40—2.

Eastman, Irving F.: *See*—
Barstow, Frederick E., and Eastman. 2,977,509.

Eastman, James M.: *See*—
Hurtle, James E., Eastman, and Kitchen. 2,979,889.
Kuzmitz, Frank V., Eastman, and Rose. 2,971,574.
Russ, Daniel G., and Eastman. 2,989,850.
Widell, George M., Eastman, and Brown. 2,989,866.

Eastman, James M., to The Bendix Corp. Pneumatic temperature indicator. 2,979,952, 4–18–61, Cl. 73—363.3.

Eastman Kodak Co.: *See*—
Abbott, Thomas I., Shepler, and Yutzy. 3,012,885.
Adler, Charles R., and Bartlett. 2,972,546.
Aklin, George H. 2,979,988.
Albert, Donald J., and Ferry. 2,986,967.
Allardice, Gordon D. 2,987,444.
Allen, Charles F. H. 2,992,109.
Allen, Charles F. H., and Burness. 2,983,611.
Allen, Charles F. H., and Lowe. 2,983,609.
Allen, Charles F. H., Lowe, and Sagal. 2,983,610.
Allen, Frank D., Van Allan, and Sagura. 2,967,785.
Altmann, Heinz C., and Rugg. 3,000,250.
Audran, Roger G. L. 2,996,287.
Babcock, David L. 3,003,058.
Barton, Wesley B., Chapman, Ferry, Joehlin, Kleist, and Tyler. 2,996,184.
Baxter, James G., and Humphlett. 2,987,551.
Beavers, Leo E. 2,983,608.
Bell, Alan, Gearhart, and Tamblyn. 2,980,648.
Bell, Alan, Knowles, and Tholstrup. 2,967,774.
Bell, Alan, Smith, and Kibler. 3,012,994.
Benton, Charles H., Jr. 3,013,080.
Boon, Joseph L. 2,997,389.
Bright, Albert G. 3,003,929.
Brokaw, George Y., and Lyman, Jr. 2,976,251.
Broyles, Margaret H., and Gibson. 2,992,205.
Bryant, Vivian M., Jr. 3,009,007.
Caldwell, John R. 2,970,119.
Caldwell, John R. 3,003,888.
Caldwell, John R., Dannelly, and Hill. 2,976,182.
Caldwell, John R., and Gilkey. 2,968,639.
Caldwell, John R., and Gilkey. 2,980,649.
Caldwell, John R., and Gilkey. 2,984,634.
Caldwell, John R., and Gilkey. 2,985,626.
Caldwell, John R., and Gilkey. 2,985,627.
Caldwell, John R., and Gilkey. 2,985,628.
Caldwell, John R., Gilkey, and Poe. 2,972,602.
Caldwell, John R., and Jackson. 2,968,646.
Caldwell, John R., and Jackson. 3,000,864.
Caldwell, John R., and Martin. 2,976,267.
Cash, George O., Jr. 2,996,494.
Cash, George O., Jr., and Coover. 3,004,017.
Caudle, Howard P., McGrath, and Thieser. 2,983,317.
Caudle, Howard P., McGrath, and Thieser. 2,991,656.
Caudle, Howard P., McGrath, and Thieser. 3,008,708.
Clarke, Norman D., and Jeffreys. 2,992,130.
Clarke, Norman D., Jeffreys, and Saunders. 2,983,607.
Clavier, Alain C. A., and Pouradier. 2,968,558.
Coover, Harry W., Jr. 3,014,008.
Coover, Harry W., Jr., and Cash. 2,972,608.
Coover, Harry W., Jr., and Dickey. 2,990,393.
Coover, Harry W., Jr., and Joyner. 2,967,856.
Coover, Harry W., Jr., and Joyner. 2,969,345.
Coover, Harry W., Jr., and Joyner. 2,969,346.
Coover, Harry W., Jr., and Joyner. 2,973,348.
Coover, Harry W., Jr., and Shearer. 2,972,607.
Coover, Harry W., Jr., and Shearer. 3,004,015.
Coover, Harry W., Jr., and Shields. 2,992,943.
Coover, Harry W., and Wooten. 2,976,272.
Crane, Carlton L. 3,008,953.
De Mallie, Howard R. 2,968,137.
Estes, Cameron B. 2,981,165.
Estes, Cameron B., and Thomson. 3,008,661.
Ewald, William P. 2,968,217.
Ferry, Richard P., and Woodhouse. 3,013,480.
Fox, Charles J. 3,004,004.
Fuerst, Carl C., and Williams. 2,972,290.
Fuerst, Carl C., and Williams. 2,986,984.
Fuerst, Carl C., and Williams. 2,986,985.

Eastman Kodak Co.: *See*—Continued
Gates, John W., Jr., Miller, and Koller. 3,011,890.
Gates, John W., Jr., Miller, Phillips, and Nadeau. 2,992,213.
Glandon, Adrian E. 2,996,252.
Glandon, Adrian E., and Canaday. 2,995,978.
Gober, Henry F., Jr. 2,992,201.
Gordon, Robert A., and Harvey. 2,995,979.
Greiller, Jack F. 3,000,760.
Haas, John W., and England. 2,972,570.
Hagemeyer, Hugh J., Jr., Hudson, and Mooney. 3,013,082.
Hanken, George H., and Babcock. 2,983,416.
Hart, Robert C. 3,000,053.
Harrington, Robert C., Jr., and Smith. 2,989,406.
Harter, Paul, and Staudt. 2,999,435.
Harter, Paul G. 2,975,688.
Harvey, Donald M. 2,995,946.
Hasek, Robert H., and Elam. 3,004,989.
Hasek, Robert H., and Nations. 3,000,906.
Hausner, Morton J., and Widden. 3,008,620.
Hawk, James P., Towne, and Dickey. 2,980,724.
Henn, Richard W., Bulloch, and Bard. 2,984,567.
Henn, Richard W., and King. 3,008,828.
Hodges, Howard T. 2,987,602.
Hodges, Howard T., and McGuire. 3,000,425.
Hutchison, Miller R., Jr., O'Brien, and Marvin. 2,999,441.
Illingsworth, Bernard D., and Minsk. 3,003,878.
Jarvis, James G. 2,972,304.
Jarvis, James G. 2,987,395.
Jarvis, James G., Smith, and Tyler. 3,003,870.
Jelley, Edwin E., Fierke, and Shepler. 2,992,101.
Jones, Jean E. 2,972,539.
Jones, Jean E. 2,977,229.
Joyner, Frederick B., and Coover. 2,996,475.
Karlson, Richard W. 3,000,736.
Kenyon, Roger B. 2,975,486.
Kindig, Guilford E. 2,972,291.
Kirk, Robert A. 2,995,974.
Knox, William J., Jr., and Stenberg. 2,992,108.
Laakso, Thomas M., and Williams. 2,972,536.
Laakso, Thomas M., and Williams. 2,972,537.
Laakso, Thomas M., and Williams. 2,972,538.
Laakso, Thomas M., Williams, and Garber. 2,972,535.
Lappin, Gerald R. 2,980,646.
Lappin, Gerald R. 2,980,647.
Lappin, Gerald R. 2,983,708.
Long, Selma H., Tholstrup, and Watson. 2,996,477.
Loria, Anthony, Reckhow, and Salminen. 3,006,759.
Luboshez, Benjamin E. Re. 24,972.
Luckey, George W., and Hoppe. 2,996,382.
Malm, Carl J., Rowley, and Hiatt. 2,969,355.
Martin, James C., and Brannock. 3,000,747.
Martin, James C., and Hawk. 2,972,629.
Matthews, Noel H., Jr. 2,972,372.
Maurer, Richard E. 2,987,397.
McCall, Marvin A., and Coover. 2,968,669.
McConnell, Richard L., and Coover. 2,972,628.
McConnell, Richard L., and Coover. 2,992,219.
McConnell, Richard L., and McCall. 2,972,621.
McKee, Edward S., and Sturm. 2,976,398.
McLaughlin, Leonard T., and Burks. 3,003,877.
Mench, John W., Fulkerson, and Schutt. 2,992,214.
Merrill, Stewart H., and Unruh. 3,002,003.
Michatek, Chester W., and Malone. 2,986,979.
Miles, Clifford L. 3,008,577.
Minsk, Louis M. 3,007,901.
Nerwin, Hubert. 2,973,699.
Newland, Gordon C., and Tamblyn. 2,972,596.
Newland, Gordon C., and Tamblyn. 2,972,597.
Newland, Gordon C., and Tamblyn. 2,976,260.
Newland, Gordon C., and Tamblyn. 2,980,645.
Newland, Gordon C., and Tamblyn. 2,983,621.
Newland, Gordon C., and Tamblyn. 2,983,709.
Newland, Gordon C., and Tamblyn. 3,000,856.
Newland, Gordon C., and Tamblyn. 3,003,996.
Nerwin, Hubert. 2,999,438.
Nerwin, Hubert. 2,999,440.
Nerwin, Hubert, and Eagle. 2,999,439.
Ort, Carl. 2,975,693.
Ownby, James C., and Davis. 2,992,082.
Padday, John F. 3,005,440.
Palmer, Osmond F. 2,987,711.
Pearlman, Donald. 2,995,474.
Perry, Milton A., Dickey, and Robinson. 2,968,657.
Pickens, Gerald F. 2,991,704.
Pickering, Royce D. 2,983,183.
Pinder, Raymond G. 2,987,492.
Powell, Fred W., Wight, and Flanagan. 3,003,229.
Priest, William J., and Perry. 3,003,879.
Robinson, Herbert T., Jungjohann, and Ewald. 2,969,711.
Robinson, Herbert T., Jungjohann, and Ewald. 3,014,297.
Rudd, Robert G., and Jarvis. 2,996,400.
Salminen, Ilmari F., and Van Allan. 2,976,146.
Salminen, Wilho M., and Weyerts. 2,968,582.
Sapp, Hubert B. 2,983,208.
Saunders, David G., and Knott. 3,005,712.
Schade, Willy. 2,983,193.
Schulwitz, Oliver J. 2,992,156.
Scribner, Kenneth R., and Sabath. 2,980,103.
Sead, Charles D., and Peters. 2,976,205.
Shannon, Albert A. 3,003,892.

Eastman Kodak Co.: *See*—Continued
Stably, Eldon E. 3,009,899.
Steele, Bruce B., and Warner. 2,991,880.
Stern, Max H. 2,990,430.
Stern, Max H. 3,004,043.
Stimson, Allen G., Eagle, and Lareau. 3,001,443.
Stimson, Allen G., Fox, and Rexer. 2,996,673.
Stimson, Allen G., and Pickens. 3,003,389.
Straley, James M., and Giles. 2,967,871.
Straley, James M., and Giles. 2,968,661.
Tamblyn, John W., and Newland. 3,003,889.
Taylor, Erle W., and Staehle. 3,003,413.
Tholstrup, Clarence E., and Bell. 2,983,710.
Tholstrup, Clarence E., and Tamblyn. 3,001,969.
Thompson, Crayton B., and Pierce. 2,976,168.
Thompson, Howard A., Donaldson, and White. 2,976,186.
Touey, George P. 3,008,472.
Touey, George P. 3,008,473.
Touey, George P., and Caldwell. 2,996,497.
Touey, George P., and Kiefer. 2,969,356.
Touey, George P., and Kiefer. 3,000,876.
Touey, George P., and Kiefer. 3,003,504.
Touey, George P., and Kiefer. 3,008,952.
Touey, George P., Kiefer, and Caldwell. 2,968,306.
Touey, George P., and Mumpower. 3,008,474.
Touey, George P., and Tamblyn. 2,976,277.
Towne, Edmund B., and Guillet. 2,983,721.
Valla, Paule, and Etienne. 2,987,409.
Van Allan, James A., Lappin, and Tamblyn. 2,987,503.
Van Campen, John H.. 2,996,405.
Van Lare, Earl J., and Brooker. 2,976,151.
Vittum, Paul W., and Weissberger. 3,002,836.
Vivian, Harold F., and Salo. 3,001,883.
Vroom, Clifford G., Deffenbaugh, and Main. 2,980,879.
Williams, Leslie A., and Knowles. 2,987,396.
Wilson, Carl L., and Moriarty. 2,992,168.
Wilson, Clarence R., and Meerdink. 2,995,810.
Wilson, Richard M. 2,996,646.
Wittel, Otto. 2,974,578.
Wooten, Willis C., Jr. 3,003,993.
Wright, Stanley E. 2,975,754.
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Eastman Machine Co.: *See*—
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Eastman Oil Well Survey Co.: *See*—
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Shulz, Jack S. 2,970,879.

Eastman Tag & Label Co.: *See*—
Eastman, Howard W. 2,979,840.

Eastman, Wesley J., and R. H. Headman. Ramp guard. 3,011,596, 12–5–61, Cl. 188—32.

Easton, Bernard K.: *See*—
Nerney, Francis X., Easton, and Weinberg. 2,983,568.

Easton, Nelson, to Eli Lilly and Co. Novel pyrazole carbinols. 2,973,367, 2–28–61, Cl. 260—310.

Easton, Nelson R., to Eli Lilly and Co. Use of 4-chloro-1,2-pyrazole for controlling epileptic seizures. 2,992,163, 7–11–61, Cl. 167—65.

Easton, Robert D.: *See*—
Young, Clarence R., and Easton. 2,99,242.

Easton, Russell P.: *See*—
Kaszuba, Frank J., Matteson, and Easton. 2,973,263.
Waring, James R., and Easton. 3,005,787.

Eastus, Harold L., and E. Hiatt, to Kimble Glass Co. Apparatus for finishing apertured glass articles. 2,978,839, 4–11–61, Cl. 49—28.

Eastwood, Marjorie W.: *See*—
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Easy-Heat, Inc.: *See*—
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Easy, Maurice H.: *See*—
Simmons, Ronald E. G., Foy, Shepherd, and Easy. 3,007,152.

Easy, Maurice H., to The Decca Record Co. Ltd. Radar display apparatus. 2,995,745, 8–8–61, Cl. 343—11.

Easy, Maurice H., and C. F. Robinson, to The Decca Record Co. Ltd. Pulse radar apparatus. 2,995,747, 8–8–61, Cl. 343—17.1.

Easy, Maurice H., R. L. Burr, and L. J. Street, to The Decca Record Co. Ltd. Multi-frequency radar apparatus with rotatable back-to-back antennas. 2,997,706, 8–22–61, Cl. 343—5.

Easy, Maurice H., P. D. L. Williams, and K. A. Cook, to The Decca Record Co. Ltd. Radar apparatus. 3,007,154, 10–31–61, Cl. 343—5.

Easy Washing Machine Co., Ltd., The: *See*—
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Eater, Theodore D., to General Steel Castings Corp. Pneumatic spring. 2,973,954, 3–7–61, Cl. 267—65.

Eatock, Henry C., to Orenda Engines Ltd. Propulsive nozzle system for reaction propulsion units. 2,984,068, 5–16–61, Cl. 60—35.6.

Eaton, Donald K. Snow coaster device. 2,971,767, 2–14–61, Cl. 280—12.

Eaton, Frederic N., to United States of America, Navy. Boom missile loader. 2,987,963, 6–13–61, Cl. 89—1.7.

Eaton, Gerald L., to United Engineers & Constructors Inc. Pyrolysis of waste sulfite liquor. 2,972,520, 2–21–61, Cl. 23—209.4.

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Allison, William D. 2,988,371.
Bartholomew, John R. 2,971,393.
Christie, Chester D. 3,000,456.
Eames, Walter R., Jr. 3,002,461.
Eames, Walter R., Jr., and Witchger. 2,968,251.
Emery, Robert D. 2,968,959.
Gamundi, Reynold F. 2,982,385.
Jaeschke, Ralph L. 2,971,105.
Jaeschke, Ralph L. 2,971,622.
Jaeschke, Ralph L. 2,973,850.
Jaeschke, Ralph L. 2,990,042.
Jaeschke, Ralph L. 3,014,566.
Jaeschke, Ralph L., and Mayer. 3,010,039.
Pipes, George R. 2,969,081.
Russell, Robert C. 2,990,044.
Sala, William E. 2,987,937.
Sturzenegger, Alfred E. 3,012,160.
Winther, Jerrold B. 2,980,812.

Eaton, Milton, to The Shawinigan Water and Power Co. Tip shielded electrodes for electric boilers. 2,986,623, 5–30–61, Cl. 219—40.

Eaton, Richard H., to General Electric Co. Floating nut within tubular structure. 3,004,638, 10–17–61, Cl. 189—36.

Eaton, Roland D., to Fairchield Camera and Instrument Corp. Focussing mask for cathode ray tube. 3,013,178, 12–12–61, Cl. 315—13.

Eaton, Russell B., and H. W. Jacobson, to E. I. du Pont de Nemours and Co. Metal production. 3,012,876, 12–12–61, Cl. 75—26.

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Eaton Stamping Co.: *See*—
Hamman, Lyle J. 2,999,490.

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Pilcher, Will, and Eaton. 2,999,068.

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Eames, James O. 2,966,966.
Eames, James O. 2,980,220.
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Eames, James O. 3,007,554.
Eames, James O. 3,007,555.
Eames, James O. 3,007,556.
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Eaton, Wilfred A., to Sanford, Roy S., E. D. Sedergren, R. H. Casler, J. O. Eames, and W. A. Eaton. Frictional mechanism. 2,986,238, 5–30–61, Cl. 188—251.

Eaton, Wilfred A., to Sanford, Roy S., W. A. Eaton, E. D. Sedergren, R. H. Casler, and J. O. Eames. Liquid cooled brake mechanism. 2,986,240, 5–30–61, Cl. 188—264.

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Eaves, Robert B.: *See*—
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Meyer, Friedrich. 2,982,085.

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Ebel, Francis L., to Fairey Aviation Ltd. Multiple indicators. 2,969,532, 1–24–61, Cl. 340—327.

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Ebel, Friedrich, K. Burger, and K. Herrle, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Stabilization of polymers of vinylidene chloride. 3,001,970, 8–26–61, Cl. 260—45.95.

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Eberhard, Everett, to Radio Corp. of America. Relaxation oscillators. 2,994,838, 8–1–61, Cl. 331—111.

Eberhard, Genevieve B., and F. T. Friedl, to Polymed Laboratories, Inc. Denture adhesive composition. 2,997,399, 8–22–61, Cl. 106—35.

Eberhard, John F., and R. B. Rosene, to The Dow Chemical Co. Removal of scale deposits. 3,003,899, 10–10–61, Cl. 134—22.

Eberhard, Oskar: *See*—
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Eberhardt, Howard, to ACF Industries, Inc. Choke valve damper. 2,995,348, 8–8–61, Cl. 261—39.

Eberhardt, John E., to Bethlehem Steel Co. Method of making melting stock by direct reduction. 3,005,701, 10–24–61, Cl. 75—34.

Eberhart, Arthur H., to Westinghouse Electric Corp. Air conditioning apparatus. 2,999,370, 9–12–61, Cl. 62—325.

Eberhart, Ray, and J. F. Hanfland, said Hanfland assor. to said Eberhart. Heating unit. 2,998,004, 8–29–61, Cl. 126—110.

Eberl, Franz. Knitting machine. 2,972,242, 2–21–61, Cl. 66—64.

Eberl, James J., to Scott Paper Co. Composite packaging material and process of manufacture thereof. 3,010,860, 11–28–61, Cl. 54—50.

Eberl, James J., and S. Coppick, to Scott Paper Co. Sheeted fibrous materials and processes for the manufacture thereof. 3,004,884, 10–17–61, Cl. 162—166.

Eberl, James J., and S. Coppick, to Scott Paper Co. Disintegration of resin foams. 3,006,561, 10–31–61, Cl. 241—29.

Eberle, Ernst. Heel-attaching machine. 2,999,037, 9–5–61, Cl. 1—335.

Eberle, George M. Denture cleaner. 3,009,468, 11–21–61, Cl. 134—93.

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Eberline, Howard C., to Eberline Instrument Division of Reynolds Electrical and Engineering Co., Inc. Underground exploration apparatus. 2,968,728, 1–17–61, Cl. 250—83.6.

Eberline, Howard C., to Eberline Instrument Division of Reynolds Electrical and Engineering Co., Inc. Differential density X-ray film analyzer. 3,006,238, 10–31–61, Cl. 88—14.

Eberline Instrument Division of Reynolds Electrical and Engineering Co., Inc.: *See*—
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Eberline, Howard C. 3,006,238.

Eberly, Paul E., Jr.: *See*—
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Eberly, Paul E., Jr., C. E. Adams, and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Process for electrically treating a metallic contaminated residual petroleum fraction. 2,996,442, 8–15–61, Cl. 204—184.

Eberly, Warren S.: *See*—
Post, Carl B., and Eberly. 2,990,277.

Eberman, Augustus H., to Oscar Mayer & Co., Inc. Continuous chopper. 2,974,701, 3–14–61, Cl. 146—192.

Ebersole, Benjamin S. Idling rollers. 3,011,843, 12–5–61, Cl. 308—190.

Ebersole, Elbert H. Chart holder. 2,980,115, 4–18–61, Cl. 129—4.

Ebersole, Paul E., Jr., and R. W. Warren. Ammunition cradle for continuous hoist. 2,971,439, 2–14–61, Cl. 89—46.

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Ebert, Edward A. Fishing spoons. 2,989,816, 6–27–61, Cl. 43—42.4.

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Ebert, Robert W., H. J. Sheerin, and P. A. Leckley, to Kimberly-Clark Corp. Sheet dispensing package. 2,967,610, 1–10–61, Cl. 206—57.

Ebertz, Helmut: *See*—
Sauer, Edgar, and Ebertz. 2,980,001.

Eberwein, Thomas A. Electrical guessing game. 2,994,531, 8–1–61, Cl. 273—1.

Ebner, Herman G., to Standard Oil Co. Fuel oil composition. 3,007,784, 11–7–61, Cl. 44—72.

Eburn, William H., Jr., to Polaroid Corp. Photographic product. 2,978,971, 4–11–61, Cl. 95—13.

Eburn, William H., Jr., to Polaroid Corp. Photographic product. 3,009,405, 11–21–61, Cl. 95—13.

Eburn, William H., Jr., and R. R. Wareham, to Polaroid Corp. Attaching device. 2,995,072, 8–8–61, Cl. 95—10.

Eburn, William H., Jr., and J. W. Lothrop, to Polaroid Corp. Photographic apparatus. 2,995,075, 8–8–61, Cl. 95—60.

Eby, Lawrence T.: *See*—
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Minckler, Leon S., Jr., and Eby. 2,977,347.
Thomas, Robert M., Eby, and Seelbach. 2,999,087.

Eby, Richard R. Phonograph record storage means. 3,007,702, 11–7–61, Cl. 274—1.

Ecal, Francois. Device for the production of fumes. 3,010,799, 11–28–61, Cl. 23—252.

Eccles, George O., to Rolls-Royce Ltd. Manufacture of blades of internal combustion turbine engines. 2,985,953, 5–30–61, Cl. 29—156.8.

Eccles, George O., to Rolls-Royce Ltd. Blades for gas turbine engines. 2,999,303, 9–12–61, Cl. 29—156.8.

Eccles, George O., to Rolls-Royce Ltd. Method of manufacturing turbine blades. 3,014,270, 12–26–61, Cl. 29—156.8.

Eccles, Marion A.: *See*—
O'Connor, George L., Fritz, and Eccles. 2,968,681.

Eccleston, Russel R.: *See*—
Mosshart, Crockett, Edgerly, Eccleston, and Sear. 2,980,571.

Echelson, David, and R. H. Bugbee, to Mercury Precision Equipment Co., Inc. Step and repeat machine. 2,974,579, 3–14–61, Cl. 95—73.

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Davis, Thomas, and Echols. 2,981,830.

Echtler, Joseph P., Jr.: *See*—
Jones, Sam A., and Echtler. 2,972,464.

Eck, Leonard. Tool for repairing damaged automobile bodies, etc. 3,007,509, 11–7–61, Cl. 153—32.

Eck, Marshall B., and R. I. Gottshall, to Gulf Oil Corp. Light-color, oil-soluble alkaline earth metal sulfonates. 3,007,868, 11–7–61, Cl. 252—33.

Eckardt, Frederick H. Eccentrically adjustable tool holder. 3,000,240, 9–19–61, Cl. 77—58.

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Eckardt, Kurt, and J. Vehicle braking system. 2,975,871, 3–21–61, Cl. 188—140.

Eckdahl, Donald E., to The National Cash Register Co. Character reading apparatus. 3,011,152, 11–28–61, Cl. 340—149.

Eckdahl, Donald E., R. E. Sprague, W. E. Dobbins, C. H. Burns, Jr., W. G. Edwards, and J. F. Donan, to The National Cash Register Co. Tape unit control system. 2,978,685, 4–4–61, Cl. 340—174.1.

Eckel, Arthur F., to Lockheed Aircraft Corp. Optical scanning device. 2,975,668, 3–21–61, Cl. 88—1.

Eckel, John E., and J. M. Camp, to Jersey Production Research Co. Retractable drill. 2,979,144, 4–11–61, Cl. 175—232.

Eckel, Oliver C.: *See*—
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Eckel, Oliver C. Assembly of sound absorbing members. 2,980,198, 4–18–61, Cl. 181—33.

Eckel, Oliver C., and G. E. Gilpatrick, to The Stanley Works. Door closer with holding means. 2,971,214, 2–14–61, Cl. 16—185.

Eckelmann, Alfred, and R. Kuschk. Novel organic tin compounds and processes for their production and process for stabilizing halogen containing, high-molecular compounds against the action of light and heat. 2,988,534, 6–13–61, Cl. 260—45.75.

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Troche, Herman J., and Eckels. 2,996,140.

Eckels, Warren H., to Hercules Powder Co. Plastic explosive compositions. 2,999,744, 9–12–61, Cl. 52—5.

Eckenbach, Raymond H. Systems and structures for storing and utilizing information, data, etc. 2,992,625, 7–18–61, Cl. 116—136.

Ecker, Howard W. Balance. 2,992,047, 7–11–61, Cl. 308—2.

Ecker, Howard W. Electromagnetic balance. 2,994,391, 8–1–61, Cl. 177—210.

Ecker, Mario E., to Radio Corp. of America. Deflection yoke assembly for cathode ray tubes. 2,980,815, 4–18–61, Cl. 313—76.

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Schomann, Leonid. 2,973,424.

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Eckerle, Harry F., Jr., and N. L. Radcliffe Jr., to North American Aviation, Inc. Magnetic quadrature circuit. 2,967,993, 1–10–61, Cl. 323—109.

Eckert, Alton B., Jr., and V. M. Yaeger, to Pitney-Bowes, Inc. Article marking and orienting. 2,988,984, 6–20–61, Cl. 101—2.

Eckert, Charles F.: *See*—
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Eckert, Ernst R. G., to United States of America, National Aeronautics and Space Administration. Transpiration cooled turbine blade manufactured from wires. 3,011,760, 12–5–61, Cl. 253—39.15.

Eckert, George W.: *See*—
Clarke, Louis A., and Eckert. 3,000,823.

Eckert, George W., to Texaco Inc. Lubricating greases prepared from epoxy fatty acid materials. 3,009,878, 11–21–61, Cl. 252—41.

Eckert, George W., and P. R. Thomas, to Texaco Inc. Lubricating greases thickened with mixtures of lithium fatty acid soaps and lithium dilinoleate. 2,983,680, 5–9–61, Cl. 252—42.11.

Eckert, George W., and H. V. Hess, to Texaco Inc. Gasoline containing alkyl dihydrogen phosphate as a corrosion inhibitor. 2,996,367, 8–15–61, Cl. 44—69.

Eckert, George W., and H. V. Hess, to Texaco Inc. Motor fuel containing synergistic anti-knock additive. 3,009,792, 11–21–61, Cl. 44—69.

Eckert, George W., and H. V. Hess, to Texaco Inc. Motor fuel containing synergistic anti-knock additive. 3,009,793, 11–21–61, Cl. 44—69.

Eckert, John P., Jr.: *See*—
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Eckert, John P., Jr., to Sperry Rand Corp. Binary counter. 2,970,293, 1–31–61, Cl. 340—174.

Eckert, John P., Jr., to Sperry Rand Corp. Magnetic quarter adders. 2,976,425, 3–21–61, Cl. 307—88.

Eckert, John P., Jr., to Sperry Rand Corp. Forcible capacitor discharge systems. 2,976,518, 3–21–61, Cl. 340—173.

Eckert, John P., Jr., to Sperry Rand Corp. Neutralization of interelectrode capacitance in transistor pulse circuits. 2,987,627, 6–6–61, Cl. 307—88.5.

Eckert, John P., Jr., and H. Lukoff, to Sperry Rand Corp. Information storage system. 2,969,478, 1–24–61, Cl. 315—12.

Eckert, John P., Jr., J. C. Sims, Jr., and H. F. Welsh, to Sperry Rand Corp. Phase modulated pulse recording systems. 2,972,128, 2–14–61, Cl. 340—172.5.

Eckert, John P., Jr., and E. E. Masterson, to Sperry Rand Corp. High speed printer. 2,978,977, 4–11–61, Cl. 101—93.

Eckert, John P., Jr., and J. C. Sims, Jr., to Remington Rand Inc. High speed printer. 3,012,232, 12–5–61, Cl. 340—174.1.

Eckert, John S., to The United States Stoneware Co. Hold-down plate. 2,979,313, 4–11–61, Cl. 261—94.

Eckert, John S., to The United States Stoneware Co. Packing tower with hold-down plate. 2,979,314, 4–11–61, Cl. 261—94.

Eckert, John S., to The United States Stoneware Co. Hold-down plates. 2,979,315, 4–11–61, Cl. 261—94.

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Eckert, Louis F., Jr., to ACF Industries, Inc. Valve seat. 3,006,599, 10–31–61, Cl. 251—172.

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Eckert, Oskar, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,474, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,476, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,477, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,478, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,479, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, and G. Zerbes, to Steatit-Magnesia Aktiengesellschaft. Ferrite with constricted magnetic hysteresis loop. 2,989,472, 6–20–61, Cl. 252—62.5.

Eckert, Oskar, and G. Zerbes, to Steatit-Magnesia Aktiengesellschaft. Ferrite of field independent permeability. 2,989,475, 6–20–61, Cl. 252—62.5.

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Eckert, Wilhelm, O. Fuchs, F. Raizner, and H. Rentel, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. New dyestuffs of the 1,8-naphthalene dicarboxylic acid series. 2,994,697, 8–1–61, Cl. 260—282.

Eckhardt, George R., to Coats & Clark Inc. Sewing machine bobbin. 2,985,405, 5–23–61, Cl. 242—169.

Eckhardt, Wilhelm. Method and apparatus for shaping flat strips of material into tubular bodies. 2,991,740, 7–11–61, Cl. 113—35.

Eckhoff, Robert H.: *See*—
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Eckley, Thomas R., to The National Cash Register Co. Multiple rotatable settable member setting means. 2,966,843, 1–3–61, Cl. 101—110.

Eckman, Richard E., to Reed Roller Bit Co. Clutch mechanism. 3,005,325, 10–24–61, Cl. 64—29.

Eckman, Richard E., and C. H. Elliott, to Reed Roller Bit Co. Predetermined torque responsive hand tool. 2,986,052, 5–30–61, Cl. 81—52.4.

Eckmann, Joseph O.: *See*—
Naves, Charles A. E., Robinson, Buettner, W. R. and R. W. Sievert, Svoboda, and Eckmann. 2,981,970.

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Eckstein, George H. Phonograph record flash grinder. 2,990,125, 6–27–61, Cl. 241—186.

Eckstein, George R., to Remington Arms Co., Inc., Ganging and sorting machine. 2,993,593, 7–25–61, Cl. 209—88.

Eckstrom, Albert W. High temperature method and evaporator for concentrating solutions. 2,998,060, 8–29–61, Cl. 159—28.

Eckweiler, Howard J., L. E. Sharpe, J. B. O'Maley, and J. W. Barnes, to Kollsman Instrument Corp. Light tracking device. 3,002,096, 9–26–61, Cl. 250—203.

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Eclipse Metal Mfg. Corp.: *See*—
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Econolite Corp.: *See*—
Loomis, Robert C. 2,970,289.

Economics Laboratory, Inc.: *See*—
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Economy Engine Co.: *See*—
Kaehni, Frank J. 2,968,296.

Ecrofnier & Partners Ltd.: *See*—
Sims, Leslie J. 2,982,520.

Ecroyd, John W. Walking aids for injured or crippled persons. 2,989,114, 6–20–61, Cl. 155—22.

Edberg, Edwin A., and R. H. Immel, to Koppers Co., Inc. Apparatus for making foamed polymeric structural materials. 2,998,501, 8–29–61, Cl. 219—10.65.

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Eddison, William B., and W. E. Erickson, to Gisholt Machine Co. Apparatus for applying seals to containers. 2,986,859, 6–6–61, Cl. 53—292.

Eddison, William B., and W. E. Erickson, to Gisholt Machine Co. Machine for handling containers. 2,987,163, 6–6–61, Cl. 198—22.

Eddleston, James H.: *See*—
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Eddy, George G. Hull form. 2,969,760, 1–31–61, Cl. 114—66.5.

Eddy, Raymond L.: *See*—
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Yingst, Thomas O., and Eddy. 2,994,421.

Eddy, Theodore B., to Heli-Coil Corp. Power-inserting tool. 2,997,782, 8–29–61, Cl. 29—240.5.

Eddy, William C., Jr., to Television Associates, Inc. Torque responsive control device. 2,973,066, 2–28–61, Cl. 192—.02.

Eddy, William C., Jr., to Television Associates, Inc. Torque responsive control device. 2,973,067, 2–28–61, Cl. 192—.034.

Eddy, William C., Jr., to Television Associates, Inc. Vehicle control mechanism. 2,987,054, 6–6–61, Cl. 123—102.

Eddy, William R., to Phillips Petroleum Co. Apparatus for testing materials for resistance to crushing. 2,976,723, 3–28–61, Cl. 73—94.

Eddy, William R., to Phillips Petroleum Co. Method for cutting pipe while maintaining internal pressure. 2,994,923, 8–8–61, Cl. 18—47.5.

Edel, Lajos: *See*—
Szabo, Istvan, Bagi, Edel, and Gordos. 3,013,619.

Edelberg, Arthur F., to Kamco Products, Inc. Device for painting flagpoles, suspension cables and the like. 2,998,801, 9–5–61, Cl. 118—108.

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Edelblut, Johann. Automatic clutch device. 2,975,875, 3–21–61, Cl. 192—3.5.

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Hoppe, Alfred. 2,999,857.

Edelfelt, Ivan H., to General Electric Co. Variable throat supersonic diffuser. 3,011,307, 12–5–61, Cl. 60—35.6.

Edelman, Aaron P. Swimming pool alarm unit. 3,001,184, 9–19–61, Cl. 340—261.

Edelman, Abraham. Installation for inspecting articles. 2,992,731, 7–18–61, Cl. 209—81.

Edelman, Allan M., and H. N. Weinberg, to Esso Research and Engineering Co. Coking and fractionating process. 2,984,618, 5–16–61, Cl. 208—100.

Edelman, Leonard E.: *See*—
Runk, Robert H., and Edelman. 2,977,333.

Edelman, Leonard E., and J. W. Forbes, to Westinghouse Electric Corp. Plastisol composition comprising a thermoplastic vinyl resin and filter cake. 2,980,643, 4–18–61, Cl. 260—31.8.

Edelmann, E., and Co.: *See*—
Edelmann, Robert B. 2,969,679.

Edelmann, Hans, to Siemens-Schuckertwerke Aktiengesellschaft. Economic dispatch computer for electric intermeshed power distribution system. 3,000,566, 9–19–61, Cl. 235—185.

Edelmann, Robert B., to E. Edelmann and Co. Anti-freeze tester. 2,969,679, 1–31–61, Cl. 73—443.

Edelstein, Albert L., and J. Glickstein, to Syncro-Mist Controls, Inc. Intermittent valve actuating assembly for atomizing devices. 2,967,643, 1–10–61, Cl. 222—70.

Edelstein, Albert L., and J. Glickstein, to Syncro-Mist Controls, Inc. Valve actuating assembly for aerosol containers. 2,980,296, 4–18–61, Cl. 222—70.

Edelstone, Sigmund E., and A. E. Neely, to Dupli-Color Products Co., Inc. Paint container assembly. 2,983,946, 5–16–61, Cl. 15—510.

Eden, Jamal S., to Diamond Alkali Co. Method for controlling plant growth. 2,990,266, 6–27–61, Cl. 71—2.7.

Eden, Reginald R., to International Computers and Tabulators Ltd. Punching apparatus. 2,967,569, 1–10–61, Cl. 164—112.

Edenholm, Bert E., and L. E. H. Larsson, to Aktiebolaget C. E. Johansson. Gauge block holders. 2,986,818, 6–6–61, Cl. 33—168.

Eder, John A.: *See*—
Weinar, Roger N., and Eder. 2,976,074.

Eder, Virgil K., to General Motors Corp. Abradable protective coating for compressor casings. 3,010,843, 11–28–61, Cl. 117—50.

Ederzeel, Laurens P.: *See*—
Homan, Jan D. H., and Ederzeel. 2,985,560.

Edfors, Sven E., to Saco-Lowell Shops. Textile combing machines. 2,977,642, 4–4–61, Cl. 19—116.

Edgar, Donald A.: *See*—
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Edgar, John S., and J. A. King, to Thompson Products, Ltd. Rock drill bit and method of manufacture thereof. 2,973,047, 2–28–61, Cl. 175—410.

Edgar, Kenneth K. Textile yarn sizing apparatus and method. 2,976,600, 3–28–61, Cl. 28—28.

Edgarton, Frank R., to General Dynamics Corp. Assembly for use in bare wire multiple. 2,972,088, 2–14–61, Cl. 317—112.
Edge, James: *See*—
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Goldschmidt, Hans, and Edgemond. 2,974,693.
Edgemond, John W., Jr., and W. C. Grosjean, to Yuba Consolidated Industries, Inc. Blade tracking and guiding mechanism for band saw construction. 2,995,160, 8–8–61, Cl. 143—27.
Edgerly, Gerald O.: *See*—
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Edgerton, Germeshausen & Grier, Inc.: *See*—
Barstow, Frederick E., and Eastman. 2,977,509.
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Germeshausen, Kenneth J. 2,977,508.
Germeshausen, Kenneth J. 2,989,727.
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Germeshausen, Kenneth J., Goldberg, and McDonald. 2,977,501.
Goldberg, Jacob. 2,994,803.
Goldberg, Seymour, and Germeshausen. 3,005,128.
Wyckoff, Charles W. 3,001,459.
Edgerton, Harold E., to Edgerton, Germeshausen & Grier, Inc. Surface-indicating apparatus. 2,975,397, 3–14–61, Cl. 340—5.
Edgerton, Harold E., to Germeshausen Edgerton & Grier, Inc. Condenser-charging circuit for flash-producing apparatus. 2,983,850, 5–9–61, Cl. 315—241.
Edgerton, Harold E., to Edgerton, Germeshausen & Grier, Inc. Underwater-flash-producing-and-photographing system. 2,996,966, 8–22–61, Cl. 95—11.5.
Edgerton, Harold E., to Edgerton, Germeshausen & Grier, Inc. Underwater-flash-producing-and-photographing system. 2,996,967, 8–22–61, Cl. 95—11.5.
Edgerton, William H., M. Gordon, and J. W. Wilson, to Smith Kline & French Laboratories. Substituted aroylalkyl phenothiazinylalkyl piperazines. 3,000,886, 9–19–61, Cl. 260—243.
Edgley, William C., to General Motors Corp. Control mechanism. 2,968,195, 1–17–61, Cl. 74—473.
Edhfer, Georg, to Wacker-Chemie G.m.b.H. Apparatus for cleaning rigid objects. 2,993,493, 7–25–61, Cl. 134—96.
Edholm, Harald. Storage of oil and other water-immiscible fluids. 2,976,691, 3–28–61, Cl. 61—.5.
Edholm, Rolf G., to General Electric Co. Radiation gauging system. 3,004,163, 10–10–61, Cl. 250—83.3.
Edin, Gunar F., and F. G. Tillander, to Aktiebolaget Bofors. Recoilless firearm. 2,984,156, 5–16–61, Cl. 89—1.7.
Edington, Robert A.: *See*—
Goodman, Isaac, and Edington. 2,978,500.
Edington, Robert A., and I. Goodman, to Imperial Chemical Industries Ltd. Manufacture of aromatic disulphonic acids. 2,978,499. 4–4–61, Cl. 260—505.
Edison, John S. Control mechanism for fluid under high pressures. 2,979,073, 4–11–61, Cl. 137—331.
Edison, John S. High pressure pump. 3,002,465, 10–3–61, Cl. 103—153.
Edison, Robert R., and R. B. Smith, to Sinclair Refining Co. Process for alkylation utilizing effluent refrigeration. 3,005,034, 10–17–61, Cl. 260—683.62.
Edit. di Ing. Renato Piana & C., S.A.S.: *See*—
Piana, Renato. 3,001,333.
Edkins, Denis P.: *See*—
Wayne, Charles J., Edkins, and Cleveland. 2,968,920.
Edlen, George: *See*—
Dumire, Leo G., Edlen, and Haskell. 2,983,779.
Edlow Lead Co., The: *See*—
Lusk, Elmer C. 3,005,105.
Edlund, George E. Draftsman's perspective instrument. 2,981,004, 4–25–61, Cl. 33—77.
Edlund, Melvin C., to Fibreboard Paper Products Corp. Paperboard having a water-repellent coating. 2,970,932. 2–7–61, Cl. 117—45.
Edlund, Milton C., and D. Kallman, to The Babcock & Wilcox Co. Breeder-converter reactor. 2,992,174, 7–11–61, Cl. 204—193.2.
Edlund, Walter W. Can opener. 3,002,275, 10–3–61, Cl. 30—9.
Edman, John H., to Deere & Co. Tractor-implement hitch and control system. 2,968,353, 1–17–61, Cl. 172—7.
Edman, Walter W.: *See*—
McDonough, Everett G., and Edman. 2,990,832.
Edminster, Robert E., to International Business Machines Corp. Document stacker. 2,977,116, 3–28–61, Cl. 271—88.
Edmiston, Gilbert L., to Phillips Petroleum Co. Solvent extraction process. 2,974,174, 3–7–61, Cl. 260—631.
Edmonds, Frank A., and R. P. Doyle, to American Cyanamid Co. Process of tanning leather and product thus produced. 2,970,033, 1–31–61, Cl. 8—94.33.
Edmonds, Harvey, to Boice Mfg. Co., Inc. Gage setting and checking apparatus. 2,969,596, 1–31–61, Cl. 33—143.
Edmonds, Theodore, and S. C. Peek, Jr., to Sylvania Electric Products Inc. Klystron oscillator control circuit. 2,994,041, 7–25–61, Cl. 331—7.
Edmondson, Robert B., to Aerojet-General Corp. Spark gap. 2,979,640, 4–11–61, Cl. 315—208.
Edmonson, Glenn V., to Liquid Drive Corp. Fluid coupling. Re. 24,988, 5–16–61, Cl. 60—54.
Edmund, Everett W. Combined air tank and weight carrier. 2,968,159, 1–17–61, Cl. 61—69.
Edmund, John R., to Westinghouse Air Brake Co. Wheel spin inhibiting apparatus. 3,004,800, 10–17–61, Cl. 303—21.
Edmunds, Edward E., A. S. Lichter, and S. Poch, to Molecu-Wire Corp. Electrical resistance wire. 2,996,378, 8–15–61, Cl. 75—171.
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Edmunds, William H., to I-T-E Circuit Breaker Co. Circuit breaker for bolted and plug-in constructions. 2,976,385, 3–21–61, Cl. 200—168.
Edmunds, William H., to I-T-E Circuit Breaker Co. Dual element fuse device. 2,982,834, 5–2–61, Cl. 200—116.
Edmunds, William H., to I-T-E Circuit Breaker Co. Panel board arrangement for embedded load terminals. 2,986,676, 5–30–61, Cl. 317—119.
Edmunds, William H., to I-T-E Circuit Breaker Co. Current limiting circuit breaker. 3,012,118, 12–5–61, Cl. 200—88.
Edney, Robert E., and R. McGee; said McGee assor. to said Edney. Blasting plug. 2,995,087, 8–8–61, Cl. 102—30.
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Cole, Albert J., and Edris 2,996,470.
Edson, William A., to General Electric Co. Microwave Modulator device. 2,993,139, 7–18–61, Cl. 315—3.5.
Edstrom, Nils H., to Telefonaktlebolaget L. M. Ericsson. Group selection stage for automatic telephone exchanges. 2,999,131, 9–5–61, Cl. 179—18.
Edstrom, Theodore, to Union Carbide Corp. Testing process and apparatus. 2,967,926, 1–10–61, Cl. 219—75.
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Taylor, Stanford E. 2,996,813.
Edvar, Torsten F. A., to Selas Corp. of America. Web heating furnace. 2,980,410, 4–18–61, Cl. 263—3.
Edward, Nye K. Garbage can carriage. 2,998,218, 8–29–61, Cl. 248—129.
Edward Valves, Inc.: *See*—
Milleville, Bertram J. 2,971,400.
Pool, Eldert B. 2,970,805.
Pool, Eldert B. 2,978,221.
Edwards, Alfred E., to United Aircraft Corp. Afterburner mixture and flame control baffle. 2,974,486, 3–14–61, Cl. 60—39.66.
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Edwards, Cyril J., Jr. Cotton picking machine. 2,988,863, 6–20–61, Cl. 56—30.
Edwards, Cyril J., Jr., and R. E. Winegar, to The Eagle-Picher Co. Flexible hose construction. 2,980,144, 4–18–61, Cl. 138—109.
Edwards, Cyrus L. Fishhook extractor. 2,998,670, 9–5–61, Cl. 43—53.5.
Edwards, David G.: *See*—
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Edwards, Eric D.: *See*—
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Edwards, Franklin W.: *See*—
Schaefer, Harold W., and Edwards. 2,966,781.
Edwards, George D., and T. K. Rice, to United States of America, Navy. Process for bonding Teflon sheet to prepared surfaces. 2,984,599, 5–16–61, Cl. 154—139.
Edwards, George J., to General Electric Co. Multiple filament incandescent lamp. 2,997,616, 8–22–61, Cl. 313—272.
Edwards, George J., to General Electric Co. Heat deflectors for electric lamps or similar devices. 3,007,069, 10–31–61, Cl. 313—42.
Edwards, George Z., and G. A. Langford. Headgear attachment mechanism for face-protective shields. 2,973,522, 3–7–61, Cl. 2—8.
Edwards, Harold H., Jr.: *See*—
Cartwright, Edwin O., Jr., Edwards, and Held. 2,981,317.
Edwards High Vacuum Ltd.: *See*—
Holland, Leslie A. 2,985,756.
Power, Basil D. 2,986,024.
Wycliffe, Henryk, and Power. 2,997,228.
Edwards, James D., and G. O. Warfel, to Borg-Warner Corp. Alternating current pilot control. 2,978,240, 4–4–61, Cl. 263—33.
Edwards, James H., to American Machine and Foundry Co. Illuminated indicator. 2,998,597, 8–29–61, Cl. 340—378.
Edwards, James N., to Hughes Aircraft Co. Electro mechanical differential-voltage detector. 3,011,071, 11–28–61, Cl. 307—88.5.
Edwards, Jennings B., 90% to W. R. Kiser, Jr., and 10% to J. L. Kiser. Liquid sampler. 3,001,403, 9–26–61, Cl. 73—425.6.
Edwards, John, to A. V. Roe & Co. Ltd. Strain gauges. 2,991,542, 7–11–61, Cl. 29—155.62.
Edwards, Lawrence J., and W. V. Hough, to Callery Chemical Co. Preparation of alkali metal derivatives of decaborane. 2,993,751, 7–25–61, Cl. 23—14.

Edwards, Lawrence J., and R. K. Pearson, to Callery Chemical Co. Preparation of diborane and dihaloboranes. 3,007,768, 11–7–61, Cl. 23—14.
Edwards, Lewis A. Bale lifter. 2,979,216, 4–11–61, Cl. 214—147.
Edwards, Miles L. Ballisto-cardiograph table. 2,982,285, 5–2–61, Cl. 128—2.06.
Edwards, O. M., Co., Inc., The: *See*—
Goodemote, George H., and Axe. 3,004,305.
Edwards, Oliver D., to Phillips Petroleum Co. Protection of catalyst. 2,976,253, 3–21–61, Cl. 252—430.
Edwards, Paul G., to Bell Telephone Laboratories, Inc. Control system for torpedo steering. 2,995,100, 8–8–61, Cl. 114—23.
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Edwards, Richard E., Jr., J. L. Pflasterer, and R. M. Smeaton, to United States Steel Corp. Method of recovering high-purity naphthalene. 2,990,435, 6–27–61, Cl. 260—674.
Edwards, Robert B., to Olin Mathieson Chemical Corp. Chlorohydroxyquinoline as growth promoter. 2,986,468, 5–30–61, Cl. 99—4.
Edwards, Robert B., and E. H. Koepf, to Core Laboratories, Inc. Gas detecting and analyzing methods and apparatus. 2,967,932, 1–10–61, Cl. 250—41.9.
Edwards, Robert S., A. E. Sharp, and A. Kupferschmitt, to Edwards Co., Inc. Combination lock. 2,991,644, 7–11–61, Cl. 70—156.
Edwards, Roy O., to Leon S. Gross. Automatic restacking mechanism for phonograph. 2,976,047, 3–21–61, Cl. 274—10.
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Edwards, Walter G., to The National Cash Register Co. Coded digit adder. 2,991,009, 7–4–61, Cl. 235—169.
Edwards, Walter R., and N. S. Pliner, to Celanese Corp. of America. Wet spinning apparatus. 2,983,952, 5–16–61, Cl. 18—8.
Edwards William D., and B. H. Johnson. Pneumatic shock absorber bumper for motor vehicles. 2,977,146, 3–28–61, Cl. 293—60.
Edwards, William J.: *See*—
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Edwards, William J. E., and S. E. Parker, to United States of America, Navy. Broadband discage antenna. 2,987,721, 6–6–61, Cl. 343—725.
Edwards, William R., and H. G. Boynton, to Esso Research and Engineering Co. Method of maintaining catalyst activity in preparation of methyl and ethyl-substituted benzenes. 2,976,335, 3–21–61, Cl. 260—671.
Edwards, William V.: *See*—
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Edwards, William V., and D. L. Lorenz, to Thompson Ramo Wooldridge Inc. Gear pump journal and face lubrication. 2,980,028, 4–18–61, Cl. 103—126.
Edwards, William V., D. L. Lorenz, and C. W. Rader, to Thompson Ramo Wooldridge Inc. Gear fuel pump. 3,008,426, 11–14–61, Cl. 103—126.
Edwin, Björn, and G. E. Hildebrand, to Aktiebolaget Kanthal. Electrical resistors and materials therefor. 2,992,918, 7–18–61, Cl. 75—171.
Edwin, Elisha E.: *See*—
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Eenigenburg, Joseph H., Jr. Combined track and panel hinge for folding toy railroad train boards. 2,998,196, 8–29–61, Cl. 238—10.
Eenink, Johannes G., to Hughes Tool Co. Lubricator. 3,007,751, 11–7–61, Cl. 308—187.
Efromson, Philip C., and R. C. Lewis, to Ling-Temco Electronics, Inc. Vibration generator. 3,004,178, 10–10–61, Cl. 310—11.
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Egan, Edmond F., T. L. Kister, and M. B. Scott, to Texaco Inc. Graphical methods for the interpretation of dipmeter logs. 2,973,472, 2–28–61, Cl. 324—1.
Egan, Edmond F., R. H. Widmyer, and A. S. McKay, to Texaco Inc. Gas injectivity profile logging. 3,010,023, 11–21–61, Cl. 250—106.
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Egan, Richard: *See*—
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Egbert, William F., to General Motors Corp. Afterburner nozzle. 2,982,089, 5–2–61, Cl. 60—35.6.
Egbert, William F., and T. O. Wiese, to General Motors Corp. Variable jet nozzle and shroud. 2,974,477, 3–14–61, Cl. 60—35.6.
Egedal, Lawrence E. Stirring whip handles. 2,981,384, 4–25–61, Cl. 189—36.
Egee, Walter W., and A. B. Smith, to Campbell Soup Co. Apparatus for applying and forming pie tops. 2,989,932, 6–27–61, Cl. 107—1.
Egelhaaf, C. C., Kommanditgesellschaft: *See*—
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Eger, Orville D. Methods and systems for handling and transporting blocks. 2,992,721, 7–18–61, Cl. 198—85.
Egerton, Lawson, and S. S. Flaschen, to Bell Telephone Laboratories, Inc. Method of manufacture of potassium-sodium-niobate ceramics. 2,976,246, 3–21–61, Cl. 252—62.9.
Eggan, Maurice A. Floral holders and clamps therefor. 2,984,045, 5–16–61, Cl. 47—41.
Eggeman, Robert G. Two-holed hook and sling. 3,002,780, 10–3–61, Cl. 294—74.
Eggenberger, Markus A., to General Electric Co. Hydraulic remote positioning device. 2,997,987, 8–29–61, Cl. 121—41.
Eggenschwyler, Eduard, to Joh. Jacob Rieter & Co. Ltd. Loading device for drafting arrangements. 2,971,226, 2–14–61, Cl. 19—135.
Egger, Emile. Impeller pump. 2,980,406, 4–18–61, Cl. 259—9.
Eggers, Gerhard, G. Ernst, R. Feraud, and R. H. Dumez, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Combustion devices for continuous-flow internal combustion machines. 2,974,488, 3–14–61, Cl. 60—39.72.
Eggers, Gerhard, and G. Ernst, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Apparatus for the stabilisation and control in vertical flight of an aircraft. 2,974,907, 3–14–61, Cl. 244—52.
Eggers, Gerhard, and E. Haberkorn, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Carrier aircraft having an annular wing. 3,000,593, 9–19–61, Cl. 244—2.
Eggers, Preben, to United States of America, Navy. Diode spider assembly. 2,980,828, 4–18–61, Cl. 317—234.
Eggertsen, Frank T., to Shell Oil Co. Separation of hydrocarbons. 2,987,471, 6–6–61, Cl. 208—310.
Eggertsson, Grimur K. Float for fishing nets and the like. 3,007,273, 11–7–61, Cl. 43—9.
Eggertsson, Grimur K. Trawl door. 3,007,274, 11–7–61, Cl. 43—9.
Eggink, James H. Egg counting device. 2,982,471, 5–2–61, Cl. 235—98.
Eggman, Max E., to The Magnavox Co. Gas entrapment eliminator. 2,973,827, 3–7–61, Cl. 183—2.5.
Eggmann, Jean, to Aktiengesellschaft Brown, Boveri & Cie. Universally movable pipe joint. 2,969,247, 1–24–61, Cl. 285—114.
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Egles, Richard A. Seat type fuel tank for boats. 2,989,115, 6–20–61, Cl. 155—191.
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Monroe, Charles Z., and Egleston. 3,002,540.
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Ehle, Sharon R., to E. I. du Pont de Nemours and Co. Process of preparing a white flour dough mix and composition therefor. 2,989,399, 6–20–61, Cl. 99—90.
Ehlermann, Helmuth. Method and means for treating and sorting comminuted substances. 2,986,277, 5–30–61, Cl. 209—133.
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Elnfalt, Alfred, to Gebr. Elnfalt, Blechspielwarenfabrik G.m.b.H. Toy track for vehicles. 3,011,288, 12–5–61, Cl. 46—216.

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Elnsele, Theodor, and K. Ganzhorn, to International Business Machines Corp. Magnetic core adding device. 2,967,665, 1–10–61, Cl. 235—168.

Elnsele, Theodor E., and H. von der Heyden, to International Business Machines Corp. Pulse amplifier including transistors. 2,994,003, 7–25–61, Cl. 307—88.5.

Elnsiedler, Charles S. Hydraulic cylinder. 2,993,472, 7–25–61, Cl. 121—38.

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Elsele, Karl, to Daimler-Benz Aktiengesellschaft. Combustion chamber with vorticity of the combustible mixture. 3,007,310, 11–7–61, Cl. 60—39.69.

Elseman, Bernhardt J., Jr., to E. I. du Pont de Nemours and Co. Pneumatic spring suspension. 2,999,680, 9–12–61, Cl. 267—64.

Elseman, Bernhardt J., Jr., to E. I. du Pont de Nemours and Co. Azeotropic composition. 2,999,815, 9–12–61, Cl. 252—171.

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Elsen, Stefan, to Bridgeport Fabrics, Inc. Weaving machine. 3,000,403, 9–19–61, Cl. 139—124.

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Elsenberg, Bernard C. Container packer. 2,978,231, 4–4–61, Cl. 259—72.

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Elsler, Joseph D., C. F. Hadley, H. M. Lang, and D. Silverman, to Pan American Petroleum Corp. Photographic printing system for channelized multiple trace records. 3,011,145, 11–28–61, Cl. 340—15.

Elsler, Paul. Electric surface heating devices. 2,971,073, 2–7–61, Cl. 219—19.

Elsler, Paul. Production of electrical components from metal foils, semi-conductors and insulating films or sheets. 2,971,176, 2–7–61, Cl. 338—314.

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Eltel, Jay M. Mobile lifting equipment. 2,996,141, 8–15–61, Cl. 182—2.

Eltel, Max, and F. J. Elsele, to Daimler-Benz Aktiengesellschaft. Method of producing a wear-resisting surface on a metal element. 2,999,798, 9–12–61, Cl. 204—34.

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Elter, Karl, and E. Truscheit, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of 6-(2′,6′,6′-trimethyl - cyclohexenyl - 1′) - 4 - methyl - hexa - 3,5 - diene-1-yne. 3,007,976, 11–7–61, Cl. 260—666.

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Ekelund, Anders E., to Aktiebolaget Svenska Metallverken Vasteras. Tubular finned metal sections and manufacture thereof. 2,978,797, 4–11–61, Cl. 29—157.3.

Ekholm, Herbert W., to Chicago Railway Equipment Co. Railway truck brake structure. 2,974,758, 3–14–61, Cl. 188—233.3.

Eklof, Gunnar, and B. V. Akerblom, to Aktiebolaget Akerblomstolen. Car seatings and cars provided with such seatings. 2,981,314, 4–25–61, Cl. 155—53.

Eklov, David, to Svenska Relafabriken ABN AB. Transistor amplifier. 2,985,842, 5–23–61, Cl. 330—19.

Eklund, Hans E., to Aktiebolaget Ljungmans Verkstader. Oil fuel firing assemblies. 2,970,640, 2-7-61, Cl. 158—36.3.
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Ekren, Milton A. and H. M. Ekren, Jr., to Dolmar Mfg. Co. Trailer chute. 2,991,755, 7-11-61, Cl. 119—98.
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Elam, William B., to American Can Co. Container making apparatus and method. 2,997,931, 8-29-61, Cl. 93—80.
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Elbaum, Jerome K., to Union Carbide Corp. Metal bonded refractory. 2,986,807, 6-6-61, Cl. 29—182.8.
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Elbreder, Charles H., and E. J. Ross, to C. J. Nemanick. Therapeutic composition. 2,967,131, 1-3-61, Cl. 167—93.
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Ruehlemann, Herbert E. 2,972,729.
Elco Tool and Screw Corp.: *See*—
Larson, Walter G. 2,998,128.
Elcor, Inc.: *See*—
Walton, John F. 2,983,831.
Eld, Aksel C., and W. R. Lehrian, to Gulf Oil Corp. Gas-liquid contact apparatus. 2,982,527, 5-2-61, Cl. 261—114.
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Brown, George P., Jr., Elder, and Franke. 3,006,949.
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Elder, John C., to Westinghouse Air Brake Co. Highway crossing warning system. 2,967,231, 1-3-61, Cl. 246—2.
Elder Mfg. Co.: *See*—
Eilen, Joseph G. 2,986,743.
Rowan, John G. 2,999,246.
Eldib, Ibrahim A.: *See*—
Bieber, Herman, Eldib, and Weiss. 2,998,382.
Eldib, Ibrahim A., and O. K. Dell, to Esso Research and Engineering Co. Treatment of copper sweetened distillates. 2,998,366, 8-29-61, Cl. 204—162.
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Pullen, Eric V. 3,008,714.
Wagner, Hal D. 3,008,266.
Eldorado Electronics Co.: *See*—
Tarczy-Hornoch, Zoltan. 3,014,161.
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Brown, William D., and Waller. 2,975,055.
Eldred, Nelson R.: *See*—
Horn, Christian F., Hostettler, and Eldred. 2,969,387.
Hostettler, Fritz, and Eldred. 2,970,167.
Eldredge, Kenneth R., to General Electric Co. Automatic reading system. 3,000,000, 9-12-61, Cl. 340—149.
Eldredge, Kenneth R., P. E. Merritt, and M. D. Marsh, to General Electric Co. Automatic reading system. 2,992,408, 7-11-61, Cl. 340—149.
Eldridge, Benjamin S., and E. C. Warrick, to Rockwell Mfg. Co. Adjustable manual feed. 2,995,961, 8-15-61, Cl. 77—34.6.
Eldridge, Dennis A. G.: *See*—
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Towler, Frank H. and J. M. 2,967,485.
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Clingenpeel, William R. 2,972,001.
Herbst, Howard D. 2,980,195.
Koppel, Ernst R. 2,971,388.
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Hambleton, Bertram H. C. 3,006,564.
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Auld, Bert A. 2,968,013.
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Chalmers, David A. 2,984,398.
Crawford, Edward C. 2,980,764.
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Hame, Trevor G. 3,007,166.
Hathaway, Kenneth W. 2,980,836.
Ingham, William E. 3,001,176.
Kramskoy, Charles M. 2,996,699.
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Newbery, Gordon W., Montgomery, and Stillwell. 3,005,160.
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Pfeffer, William E. 2,970,267.
Phillips, James H. 3,004,200.
Quinn, Stanley F. 2,999,896.
Rae, Alexander J. 3,012,789.
Sjoberg, Eric J. 3,006,786.
Spencer, Rolf E. 2,992,774.
Spencer, Rolf E. 3,009,642.
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Spencer, Rolf E., and Phillips. 2,994,812.
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Tait, David R. 2,969,424.
Tait, David R. 3,002,051.
Vanderlyn, Philip B. 2,967,214.
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Theodore, Ralph G., and Davis. 3,010,007.
Electric Pipe Line, Inc.: *See*—
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Electric Regulator Corp.: *See*—
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May, Richard D. 2,974,206.
May, Richard D. 3,005,523.
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Mageoch, Harry Y. 2,967,903.
Electric Storage Battery Co., The: *See*—
Casserly, John P. 2,999,893.
Dassow, Edgar E., and Torgerson. 2,982,807.
Duddy, Joseph C. 2,968,686.
Duddy, Joseph C. 3,003,012.
Duddy, Joseph C. 3,003,013.
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Floyd, James K., and Oestermeyer. 3,005,863.
Freas, Clark R. 2,994,730.
Freas, Clark R., and Schlotter. 2,987,567.
Fritzinger, George H., and Jaffe. 2,999,969.
Garland, Edward J. 2,991,349.
Gongoll, Vernon F. 3,007,173.
Jaffe, Sol S. 3,005,943.
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Kujas, Eric F. 2,973,399.
Mack, George R., and Thomas. 3,007,888.
Matheson, James N. 2,999,498.
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Toce, Charles A., and Broussard. 2,980,752.
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Wahlgren, Wallace W. 2,978,659.
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Basen, Toralv. 2,999,748.
Sem, Mathias O. 3,006,825.
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Electrol Inc.: *See*—
Ashton, Benjamin N., Rawding, and Von Pessler. 2,988,004.
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Anderson, Emil. 2,966,693.
Beede, Arnold H., Cawl, and Lampe. 2,975,391.
Belicka, Michael E., Brundage, and Cawl. 2,998,615.
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Brown, Charles L., Jr. 2,966,694.
Brown, Raymond L., Mott, and Smeriglio. 2,973,895.
Ferraris, John T. 2,988,167.
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Doll, Henri-Georges. 3,012,190.
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Rhodes, Chester R. 3,001,048.
Rhodes, Chester R. 3,001,107.
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Silver, Bernard. 3,011,005.
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Gale, Alfred J. 3,010,690.
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Elam, David L. 3,005,110.
Elam, David L., and Keehn. 3,015,077.
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Filipczak, Peter A. 2,979,685.
O'Brien, Thomas M. J. 2,981,916.
Schiller, Julius M. 3,014,193.
Electro-Therm, Inc.: *See*—
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Electrothermal Engineering Ltd.: *See*—
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Wood, John F. 2,972,707.
Wood, John F. 2,991,332.
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Patmore, James R. 2,968,005.
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White, Roby B., and Villers. 3,012,649.
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Galas, Theodore A., and Sublett. 3,012,230.
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Electronic Processes Corp. of California: *See*—
Stewart, Edwin H., Jr. 2,971,137.
Electronic Research Associates, Inc.: *See*—
Grieg, Donald D. 2,990,517.
Electronic Safety Engineering Co.: *See*—
Daniel, Donald B. 2,980,793.
Electronic Specialty Co.: *See*—
Locus, Silvan S. 2,976,498.
Electronics Corp. of America: *See*—
Graves, Donald L. 2,989,117.
Graves, Donald L., and Giuffrida. 2,966,940.
Shaw, Burton E., and Lee. 2,985,094.
Shaw, Burton E., and Lee. 3,003,410.
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Elektriska Svetsningsaktiebolaget: *See*—
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Naeser, Gerard, Scholz, and Helin. 3,010,819.
Pfeiffer, Claes F. H., and Valanti. 2,973,428.
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Foyn, Johan E. F. 2,997,430.
Sem, Mathias O. 2,971,040.
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Elektrophysikalische Anstalt Bernhard Berghaus: *See*—
Berghaus, Bernhard. 2,969,475.
Berghaus, Bernhard, and Bucek. 2,994,007.
Berghaus, Bernhard, and Bucek. 3,003,061.
Berghaus, Bernhard, and Bucek. 3,004,133.
Bucek, Hans. 2,989,898.
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Steinke, Joseph F., and Erickson. 2,977,779.
Elerts, Nicholas R.: *See*—
Pahl, Walter H., Sandholtz, Elerts, and Goggin. 2,976,178.
Eley, James C.: *See*—
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Elfes, Donald B., and T. J. Murphy, to General Motors Corp. Single choke for multiple carburetors. 2,994,312, 8–1–61, Cl. 123—119.
Elfes, Lee E., to Massey-Ferguson Inc. Control mechanism for tractor hydraulic systems. 2,973,043, 2–28–61, Cl. 172—9.
Elfes, Lee E., to Massey-Ferguson Inc. Drive axle gearing assembly. 2,998,735. 9–5–61, Cl. 74—801.
Elford, Harold F., to Elford Plywood Machinery, Inc. Knife holder for lathes. 3,006,392, 10–31–61, Cl. 144—212.
Elford Plywood Machinery, Inc.: *See*—
Elford, Harold F. 3,006,392.
Elgaard, Lauritz, to Allied Chemical Corp. Drop-bottom shipping container. 2,973,886, 3–7–61, Cl. 222—556.
Elgeet Optical Co., Inc.: *See*—
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Schmidt, Robert F., and Leidecker. 3,011,193.
Schmidt, Robert F., and Palmiter. 3,013,665.
El-Hindi, Ahmad M.: *See*—
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Elias, David G., T. C. Sunter, and R. A. Scott, to Henry Simon, Ltd. Means for dividing the products of cereal milling operations or the like. 2,990,063, 6–27–61, Cl. 209—144.
Ellassen, Fred B., and C. B. Thoresen. Game device. 3,011,789. 12–5–61, Cl. 273—135.
Ellgoulachvili, Leon. Structure for transporting cargoes. 2,991,906. 7–11–61, Cl. 220—63.
Elijah, Enoch A. Airplane having two separable fiyable sections. 3,006,576, 10–31–61, Cl. 244—2.
"Elin" Aktiengesellschaft fur Elektrische Industrie: *See*—
Kollmann, Werner A. 2,989,685.
Kreuzer, Josef, and Ascher. 2,991,437.
Eliot, Charles B. Door mounting devices. 2,971,227, 2–14–61, Cl. 20—16.
Elischer, Stefan, to Suddeutsche Kalkstickstoff-Werke Aktiengesellschaft. Preparation of pure metals of the rare earth metals, titanium, zirconium, and hafnium. 3,014,797, 12–26–61, Cl. 75—62.
Elischer, Werner: *See*—
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Elkins, Douglas A. Friction drive, power transmission mechanism. 2,973,671, 3–7–61, Cl. 74—796.
Elkins, Edgar A., Jr.: *See*—
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Elkins, Robert H.: *See*—
Keith, Willis C., Elkins, and Chambers. 2,973,395.
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Ellegood, Pruett W., to Adam, Frank Electric Co. Distribution switchboard. 2,997,627, 8–22–61, Cl. 317—99.
Ellenberger, Jakob, to Ellenberger & Poensgen G.m.b.H. Polyphase motor protecting switch. 3,005,075, 10–17–61, Cl. 200—122.
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Ellenbogen, Herbert A., E. Bleier, and J. Sirota, ½ to National Starch Products Inc., and ½ to H. A. Ellenbogen. Cleaning and sizing of fabrics. 2,998,326, 8–29–61, Cl. 117—66.

Ellenco Inc.: *See*—
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Ellenson, Evelyn, and R. Galba. Composition for removing coatings. 2,969,328, 1-24-61, Cl. 252—153.

Ellenson, Evelyn, and R. V. Galba. Lubricant composition. 2,990,371, 6-27-61, Cl. 252—56.

Ellenwood, Warren H., and W. A. Voehl, to Avien, Inc. Indirectly illuminated pointer for indicating device. 3,005,439, 10-24-61, Cl. 116—136.5.

Ellerbeck, Grant C., to Friden, Inc. Calculating machine. 2,975,968, 3-21-61, Cl. 235—63.

Ellerbeck, Grant C., to Friden, Inc. Calculating machine. 3,000,557, 9-19-61, Cl. 235—63.

Ellerbeck, Grant C., to Friden, Inc. Calculating machine. 3,003,689, 10-10-61, Cl. 235—63.

Ellerbeck, Grant C., to Friden, Inc. Calculating machine. 3,003,690, 10-10-61, Cl. 235—73.

Ellies, Alan D., to The O. M. Scott & Sons Co. Wheel and hub cap. 2,973,226, 2-28-61, Cl. 301—37.

Ellies, Ernest E., to Tee-Pak, Inc. Method of treating fresh meats. Re. 24,992, 5-30-61, Cl. 99—174.

Ellin, Frederick I., and H. E. Lense to Ohmite Mfg. Co. Variable transformer. 2,985,857, 5-23-61, Cl. 336—148.

Elling, Albert W. Reaction motor. 2,999,357, 9-12-61, Cl. 60—39.34.

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Elssner, Richard, Elling, H. and G. 3,007,766.

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Elling, Hugo R. Eissner, H. Grotjahn, and K. Heuer, to American Enka Corp. Manufacture of viscose rayon. 2,983,572, 5-9-61, Cl. 18—54.

Elling, Richard J., to Scott Aviation Corp. Exhalation-valve unit for a breathing mask. 2,985,169, 5-23-61, Cl. 128—142.

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Ellingsen, Florence G. Book mark and page holding device. 2,989,023, 6-20-61, Cl. 116—119.

Elliot, William H., and G. L. Yager, to Cutler-Hammer, Inc. Electrical controller. 2,972,684, 2-21-61, Cl. 307—88.5.

Elliott Addressing Machine Co.: *See*—
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Elliott, Carl E., to Northrop Corp. Roller-bolster cargo handling system. 2,973,073, 2-28-61, Cl. 193—38.

Elliott, Charles H.: *See*—
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Elliott, Darius W., to Elliott Mfg. Co. Remotely-controllable supporting means for directional control of apparatus. 2,972,891, 2-28-61, Cl. 74—1.

Elliott, David, and R. P. Gibbens, said Elliott assor., to S. Elliott. Aircraft carrier. 2,980,270, 4-18-61, Cl. 214—85.

Elliott, Ernest F. Molten material coating furnace. 3,001,508, 9-26-61, Cl. 118—417.

Elliott, Eugene W., and E. J. Bury, to Chicago Aerial Industries, Inc. Focal plane shutter. 3,006,263, 10-31-61, Cl. 95—57.

Elliott, Everett E., 25% to Z. L. McMurtry, 25% to G. H. Keener, J. Dern, and W. A. Campbell. Page turner. 2,991,680, 7-11-61, Cl. 84—517.

Elliott, Fairfield H. Tube-driving and pulling mechanism. 2,982,365, 5-2-61, Cl. 175—162.

Elliott, Forbes L. Modified tap shank and adapter for holding the tap in a chuck. 2,985,899, 5-30-61, Cl. 10—147.

Elliott, George A., and S. A. Furbush, to Allied Chemical Corp. Preparation of ethyl acrylate. 3,002,016, 9-26-61, Cl. 260—486.

Elliott, George B., and J. Wray, to The English Electric Co. Ltd. Liquid reservoirs for aircraft. 2,992,656, 7-18-61, Cl. 137—576.

Elliott, George H., to Atohm Electronics. Potentiometer. 2,982,931, 5-2-61, Cl. 338—183.

Elliott, Harold V., and J. R. Canaday, to General Motors Corp. Control device. 2,984,804, 5-16-61, Cl. 338—159.

Elliott, John C., to Lor Corp. Metal foam and method for making. 2,983,597, 5-9-61, Cl. 75—20.

Elliott, John C., to Lor Corp. Metal foaming process. 3,005,700, 10-24-61, Cl. 75—20.

Elliott, John S., and E. D. Edwards, to Castrol Ltd. Lubricating oil compositions. 2,971,912, 2-14-61, Cl. 252—46.7.

Elliott, John S., and E. D. Edwards, to Castrol Ltd. Oil-based compositions. 2,976,238, 3-21-61, Cl. 252—32.5.

Elliott Mfg. Co.: *See*—
Elliott, Darius W. 2,972,891.

Elliott, Martin A., H. R. Linden, and E. B. Shultz, Jr., to Institute of Gas Technology. Production of low molecular weight hydrocarbons from solid fossil fuels. 2,991,164, 7-4-61, Cl. 48—197.

Elliott, Oliver B. Wheel bearing greaser. 2,968,362, 1-17-61, Cl. 184—1.

Elliott, Richard M.: *See*—
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Elliott, Robert H., Jr., to Pennsalt Chemicals Corp. Chemical composition and process for aluminum etching. 2,975,039, 3-14-61, Cl. 41—42.

Elliott, Robert H., Jr., to Pennsalt Chemicals Corp. Chemical composition and process for aluminum etching. 2,975,040, 3-14-61, Cl. 41—42.

Elliott, Robert S., to Hughes Aircraft Co. Flush-mounted plural waveguide slot antenna. 2,981,949, 4-25-61, Cl. 343—771.

Elliott, Stanley B.: *See*—
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,940.
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,941.

Elliott, Suzanne: *See*—
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Elliott, Thomas J., and W. J. Jankowski, to Harris-Intertype Corp. Pile handling mechanism. 2,997,298, 8-22-61, Cl. 271—62.

Elliott, Thomas J., and S. S. Watts, to Harris-Intertype Corp. Method and means for feeding sheets. 3,006,635, 10-31-61, Cl. 271—30.

Elliott, Walter L., to The Taylor, Smith & Taylor Co. Handle sticking machine. 3,005,248, 10-24-61, Cl. 25—22.

Elliott, William B. Method of forming a blind recess. 3,001,423, 9-26-61, Cl. 77—67.

Elliott, William F., and W. J. Frisch, to FWD Corp. Vehicle having pneumatic bag rollers. 2,986,226, 5-30-61, Cl. 180—23.

Elliott, William R., to Solvent Service, Inc. Method of cleaning internal ferrous metal surfaces of steam generating equipment. 3,000,767, 9-19-61, Cl. 134—3.

Elliott, William R., to Solvent Service, Inc. Method of cleaning pipes and the like. 3,010,853, 11-28-61, Cl. 134—13.

Elliott, William W., and H. C. Moyer, to Sinclair Refining Co. Irradiation of paraffin wax. 3,014,854, 12-26-61, Cl. 204—162.

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Ellis, Allen: *See*—
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Ellis, Asher R., and C. L. Broughton, to Kimberly-Clark Corp. Cellulosic product. 2,982,680, 5-2-61, Cl. 154—46.

Ellis, Belvin B., to Westinghouse Electric Corp. Method of making stepped-lap core for inductive apparatus. 2,972,804, 2-28-61, Cl. 29—155.57.

Ellis, Belvin B., to Westinghouse Electric Corp. Stepped-lap core for inductive apparatus. 2,973,494, 2-28-61, Cl. 336—217.

Ellis, Benjamin C., Jr., to Western Electric Co., Inc. Apparatus for continuously reeling strand material. 2,971,709, 2-14-61, Cl. 242—25.

Ellis, Benjamin C., Jr., to Western Electric Co., Inc. Self-controlled strand annealer. 2,976,397, 3-21-61, Cl. 219—155.

Ellis, Benjamin C., Jr., to Western Electric Co., Inc. Self-centering deflectable core tube. 2,980,958, 4-25-61, Cl. 18—13.

Ellis, Bernard: *See*—
Petrow, Vladimir, Cooley, and Ellis. 2,985,651.

Ellis, Cecil B. Electrodialysis apparatus. 2,970,098, 1-31-61, Cl. 204—301.

Ellis, Charles E. Suprasynchronous motor. 3,013,168, 12-12-61, Cl. 310—166.

Ellis, Charles H.: *See*—
De Beer, Edwin J., Ellis, and Ide. 2,979,055.

Ellis, Charles M. Asphalt treating implement. 3,007,379, 11-7-61, Cl. 94—50.

Ellis, Charles R., to United States of America, Navy. Variable inductance. 2,993,182, 7-18-61, Cl. 336—15.

Ellis, Clayton J., and F. C. McLaughlin. Lifting tool for building blocks. 2,968,510, 1-17-61, Cl. 294—62.

Ellis, Davis H.: *See*—
Burritt, Silvius, Jr., and Ellis. 2,998,635.

Ellis, Donald L. and A. Load indicating device for vehicles. 2,996,697, 8-15-61, Cl. 340—52.

Ellis, Edward A., E. T. Stocker, R. A. Waddell, and R. R. Whipple, to Western Electric Co., Inc. Variable pitch coil winding machine. 2,971,706, 2-14-61, Cl. 242—9.

Ellis, Frederick E., to Automotive Products Co. Ltd., and H. C. Reid. Variable gear units. 2,982,155, 5-2-61, Cl. 74—752.

Ellis, Frederick E., to Automotive Products Co. Ltd. and H. C. Reid. Automatic transmission of power. 2,997,898, 8-29-61, Cl. 74—777.

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Ellis, James F. Vehicle door safety cord. 3,012,806, 12-12-61, Cl. 292—288.

Ellis, James N., and J. N. Hibbard, to The Siegler Corp. Rotor construction for dynamoelectric machines. 2,986,663, 5-30-61, Cl. 310—60.

Ellis, John D., and K. A. Grunert, to Westinghouse Electric Corp. Electromagnetic actuated devices. 2,997,633, 8-22-61, Cl. 317—165.

Ellis, John L., and C. G. Goetzel, to 134 Woodworth Corp. Metal forming apparatus. 2,967,613, 1-10-61, Cl. 207—2.

Ellis, John R. B.: *See*—
Robbers, James A., and Ellis. 2,986,583.

Ellis, John T., Jr., to Hanna Engineering Works. Electromechanical control device. 2,968,284, 1-17-61, Cl. 121—41.

Ellis, John T., Jr., to Hanna Engineering Works. Shock absorber. 2,992,815. 7-18-61. Cl. 267—8.

Ellis, Leonard J. Window and like frames. 2,966,707, 1-3-61, Cl. 20—56.4.

Ellis, Leslie L. Seat heater. 3,013,141, 12-12-61, Cl. 219—46.

Ellis, Lester B. D., to The General Electric Co. Ltd. Apparatus of the kind including a waveguide. 2,979,679, 4–11–61, Cl. 333—98.

Ellis, Lynn W., Jr. Data indicator system. 2,992,876, 7–18–61, Cl. 346—110.

Ellis, Nicholas D., to Anheuser-Busch, Inc. End loading easy opening carton. 2,990,992, 7–4–61, Cl. 229—16.

Ellis, Norbert H.: *See*—
Wheeler, Edward S., and Ellis. 3,000,905.

Ellis Paperboard Products, Inc.: *See*—
Haffenreffer, Robert H. 2,989,222.

Ellis, Richard T., to United States of America, Navy. Apparatus for extending the range of radar. 3,007,158, 10–31–61, Cl. 343—13.

Ellis, Robert. Combination cigarette holder, lighter, and smoke purifier, filter and cooler. 2,974,669, 3–14–61, Cl. 131—172.

Ellis, Robert B.: *See*—
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Ellis, Robert B., to International Register Co. Electrical terminal construction. 2,974,302, 3–7–61, Cl. 339—278.

Ellis, Robert E.: *See*—
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Ellis, Roger H., and E. W. Kuehl, to Cannon Electric Co. Snap-in contacts for electrical connectors. 2,999,221. 9–5–61, Cl. 339—176.

Ellis, Roy T. Liquid and semi-solid dispensing gun and method of dispensing. 2,982,443, 5–2–61, Cl. 222—1.

Ellis, Thomas J., 50% to H. F. Diven. Profile projector or comparator for cutting machine tools. 2,970,412, 2–7–61, Cl. 51—165.

Ellis, William C., and E. S. Greiner, to Bell Telephone Laboratories, Inc. Low temperature drawing of metal wires. 2,974,778, 3–14–61, Cl. 205—21.

Ellison, Arthur E. Bone splint with absorbable section. 2,987,062, 6–6–61, Cl. 128—92.

Ellison, Charles V., and T. C. Runion, to United States of America, Atomic Energy Commission. Process for segregating uranium from plutonium and fission-product contamination. 2,990,240, 6–27–61, Cl. 23—14.5.

Ellison, Herbert E., to The Paltier Corp. Anchor for pallet frame. 2,988,313, 6–13–61, Cl. 248—120.

Ellison, Samuel H., Jr., to Food Machinery and Chemical Corp. Article counting and controlling mechanism. 2,993,620, 7–25–61, Cl. 220—7.

Ellithorpe, Evelyn P.: *See*—
Ellithorpe, Gilbert S. 3,008,121.

Ellithorpe, Gilbert S., to Littelfuse, Inc. Circuit-breaker-switch mechanism. 2,993,968, 7–25–61, Cl. 200—113.

Ellithorpe, Gilbert S., deceased; E. P. Ellithorpe, executrix. Flasher light warning device. 3,008,121, 11–7–61, Cl. 240—62.

Ellman, Irving A. Dental X-ray apparatus. 2,976,416. 3–21–61, Cl. 250—65.

Ellman, Julius, to said J. Ellman, and G. Lerner. Bubble producing toy. 3,008,263, 11–14–61, Cl. 46—7.

Ellman, Julius, and G. Lerner. Spinner toy with sparking device. 3,010,248, 11–28–61, Cl. 46—48.

Ellman, Julius. Stick-balancing game. 3,010,721, 11–28–61, Cl. 273—96.

Ellmann, Jack I. Signalling apparatus. 2,985,741, 5–23–61, Cl. 200—168.

Ellmore, William A., to Ampex Corp. Magnetic tape machine. 3,006,650, 10–31–61, Cl. 274—4.

Ells, Pritchard P., to United Rubber and Chemical Co. Latex manufacture. 3,005,734, 10–24–61, Cl. 134—22.

Ellsworth, Arthur C., to Pittsburgh Plate Glass Co. Process of treating metal halides. 2,977,292, 3–28–61, Cl. 202—72.

Ellsworth, Ivan W., and K. S. Johnson. Method for simultaneous photographic printing and developing. 2,979,404, 4–11–61, Cl. 96—41.

Ellsworth, Orval T. Rotary electric switch. 3,005,881, 10–24–61, Cl. 200—11.

Ellwood, Walter B., to Bell Telephone Laboratories, Inc. Rhodium plating. 3,007,855, 11–7–61, Cl. 204—37.

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Elizey, Dixie L., and W. M. Gibson. Tail gate. 2,973,222, 2–28–61, Cl. 296—53.

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Elmendorf, Armin. Composite sheathing. 2,986,782, 6–6–61, Cl. 20—4.

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Elmer, Arthur E. H., and R. P. Smith, to British Messier Ltd. Servo system for aircraft controls. 3,011,482, 12–5–61, Cl. 121—41.

Elmer, Otto C., to The General Tire & Rubber Co. Isocyanate extension of very high molecular weight polyesters. 2,999,851, 9–12–61, Cl. 260—75.

Elmer, Thomas H., to Corning Glass Works. Method of removing dissolved water from 96% silica glass. 2,982,053, 5–2–61, Cl. 49—79.

Elmer, William B. Outdoor lighting luminaire. 2,970,223, 1–31–61, Cl. 250—239.

Elmer, William B., to Westinghouse Electric Corp. Self destructive torpedo. 2,988,991, 6–20–61, Cl. 102—16.

Elmer, William B., to Westinghouse Electric Corp. Torpedo arming device. 2,988,992, 6–20–61, Cl. 102—16.

Elmore, Daniel B., to Zenda Radio & Electric Co. Methods of forming food patties. 2,981,973, 5–2–61, Cl. 17—45.

Elmore, William B., and M. Minkow, to Curtiss-Wright Corp. Arithmetic device. 2,995,298, 8–8–61, Cl. 235—92.

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Balbach, Raymond E., Mancina, and Elms. 2,972,461.

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Eloranta, Valto K., to Polaroid Corp. Camera shutter. 2,986,986, 6–6–61, Cl. 95—64.

Eloranta, Valto K., to Polaroid Corp. Photographic apparatus. 2,991,702, 7–11–61, Cl. 95—13.

Eloranta, Valto K., to Polaroid Corp. Photographic apparatus. 2,991,703, 7–11–61, Cl. 95—13.

Eloranta, Valto K., to Polaroid Corp. Photographic products. 3,002,437, 10–3–61, Cl. 95—13.

Eloranta, Valto K., to Polaroid Corp. Photographic product. 3,009,404, 11–21–61, Cl. 95—13.

Elow, David I., to Consolidated Spring Corp. Wire reel construction. 2,973,915, 3–7–61, Cl. 242—77.2.

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Larkins, John S., Jr. 2,971,078.
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Webb, Robert S. 2,984,761.
Webb, Robert S. 2,996,602.
Webb, Robert S. 2,996,638.

Elpern, Bill, to Sterling Drug Inc. Lower alkyl-4-phenyl-1-[(dilowеralkoxy phenyl)-aliphatic] piperidine-4-carboxylates. 2,978,454, 4–4–61, Cl. 260—294.3.

Elpern, Bill, to Sterling Drug Inc. 1,1,2-tris-aryl-3-tertiary-amino-1-propenes, intermediates and preparation thereof. 3,010,965, 11–28–61, Cl. 260—293.

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Elphee, Leon E., to Owens-Illinois Glass Co. Method and apparatus for removing blown plastic containers. 2,992,454, 7–18–61, Cl. 18—5.

Elphick, George S., to Bush and Rank Cintel Ltd. Apparatus for photographic printing. 3,000,286, 9–19–61, Cl. 95—73.

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Hoppe, Walter. 3,004,704.
Hoppe, Walter. 3,009,639.

Elrod, Harold G., Jr., to The Babcock & Wilcox Co. Electromagnetic pump. 2,988,997, 6–20–61, Cl. 103—1.

Els, Heinrich, and F. Martens, to Heinrich Frings Kommanditgesellschaft. Method for producing acetic acid from alcohol containing fermentation medium. 3,014,804, 12–26–61, Cl. 99—147.

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Else, Harry C. Water stabilized cutting wheel. 2,991,599, 7–11–61, Cl. 51—267.

Elsesser, Charles C., to General Foods Corp. Cake mix and method of preparing same. 2,996,384, 8–15–61, Cl. 99—94.

Elskamp, Bernhard J. Replacement handle. 2,998,155, 8–29–61, Cl. 217—125.

Elsken, James C., to Dorr-Oliver Inc. Centrifugal separator. 3,011,647, 12–5–61, Cl. 210—374.

Elsken, Richard H., to United States of America, Agriculture. Telemetering system. 2,992,120, 7–11–61, Cl. 99—192.

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Elsner, Edwin C., to Aeroquip Corp. Slotted T fastener. 2,970,358, 2–7–61, Cl. 24—201.

Elsner, Edwin C., to Aeroquip Corp. Chain lock. 2,973,566, 3–7–61, Cl. 24—116.

Elsner, Edwin C., to Aeroquip Corp. Self-locking bar attachment. 2,980,037, 4–18–61, Cl. 105—369.

Elsner, Edwin C., to Aeroquip Corp. Buckle. 2,981,993, 5–2–61, Cl. 24—170.

Elsner, Edwin C., to Aeroquip Corp. Releasable attachment fitting. 2,984,885, 5–23–61, Cl. 24—265.

Elsner, Edwin C., to Aeroquip Corp. Time delay device. 2,991,992, 7–11–61, Cl. 267—1.

Elsner, Waldemar E., and R. L. McGary, to Furnas Electric Co. Contact block and terminal arrangement. 3,015,006, 12–26–61, Cl. 200—83.

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Elssner, Richard, and H. Elling (deceased), by G. Elling, sole heir, to American Enka Corp. Production of viscose rayon. 3,007,766, 11–7–61, Cl. 18—54.

Elssworth, Robert L., to United States of America, Army. Impedance controlled cross-coupled one-shot multivibrator. 2,990,480, 6–27–61, Cl. 307—88.5.
Elston, Judson D., and E. S. Kordowski, to General Box Co. Bulk packaging container. 2,992,752, 7–18–61, Cl. 217—44.
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Elves, Victor G. and R. W. J. Drinking fountain adaptor for attachment to a water tap or faucet. 2,996,257, 8–15–61, Cl. 239—25.
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El Waziri, Abdel H., to United States Steel Corp. Load cell with nesting bearing rings. 3,005,337, 10–24–61, Cl. 73—141.
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Elworthy, Bernard C. T., to E. R. Worth, Sr. Automatic torque control for electric brakes. 2,985,282, 5–23–61, Cl. 198—221.
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Ely, Louis F. Loading means for fluid applicators. 2,994,901, 8–8–61, Cl. 15—257.05.
Ely, Walter J., and A. A. Hale, to Oldberg Mfg. Co. Apparatus for forming tubes. 3,003,446, 10–10–61, Cl. 113—34.
Elzinga, Eugene R., and J. E. Idenden, to Esso Research and Engineering Co. Desulfurization of residual stocks. 2,992,182, 7–11–61, Cl. 208—216.
Emain, Jean. Automatic control system. 3,004,525, 10–17–61, Cl. 121—38.
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Emanuel, Meyer. Fishing tackle. 3,010,242, 11–28–61, Cl. 43—21.2.
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Emanueli, Luigi, G. Lugli, and C. Mazza, to Pirelli Societa per Azioni. Pneumatic tires. 2,982,328, 5–2–61, Cl. 152—361.
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Emeis, Reimer, to Siemens-Schuckertwerke Aktiengesellschaft. Crucible-free zone melting method and apparatus for producing and processing a rod-shaped body of crystalline substance, particularly semiconductor substance. 2,972,525, 2–21–61, Cl. 23—301.
Emeis, Reimer, to Siemens-Schuckertwerke Aktiengesellschaft. Lapping device for semiconductor wafers. 2,979,868, 4–18–61, Cl. 51—131.
Emeis, Reimer, to Siemens-Schuckertwerke Aktiengesellschaft. Encapsuled photoelectric semiconductor device and method of its manufacture. 3,004,168, 10–10–61, Cl. 250—211.
Emeis, Reimer, to Siemens-Schuckertwerke Aktiengesellschaft. Method of producing a semiconductor device of the junction type. 3,009,840, 11–21–61, Cl. 148—1.5.
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Emery, Geraldine H. Curved continuous fastener. 3,003,212, 10–10–61, Cl. 24—205.16.
Emery, Jerrell B., to The Dow Chemical Co. Propagation of modified infectious canine hepatitis virus in tissue cultures of pig kidney and the preparation of a vaccine therefrom. 3,000,788, 9–19–61, Cl. 167—78.
Emery, Leonard W., to Sinclair Oil & Gas Co. Bottom hole burner. 2,985,240, 5–23–61, Cl. 166—59.
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Emery, Olin O. Apparatus for making concrete logs and the like. 2,991,534, 7–1–61, Cl. 25—121.
Emery, Raymond W.: *See*—
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Randall, Walter H., and Emery. 2,986,490.
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Emery, Richard L., to Keyes Fibre Co. Packing for fragile articles. 2,984,345, 5–16–61, Cl. 206—65.
Emery, Richard L., to Keyes Fibre Co. De-nestable molded pulp trays. 2,997,196, 8–22–61, Cl. 217—26.5.
Emery, Robert D., to Eaton Mfg. Co. Position-selecting actuator device. 2,968,959, 1–24–61, Cl. 74—10.27.
Emery, William M. Leg rests. 3,005,662, 10–24–61, Cl. 297—438.
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Emile, Philip, Jr., to United States of America, Army. Transistorized gating circuit. 2,982,868, 5–2–61, Cl. 307—88.5.
Emile, Philip, Jr., to United States of America, Army. Transistorized multivibrator circuit adapted to oscillate for only a predetermined time. 3,005,963, 10–24–61, Cl. 331—113.
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Emmerich, Harry H. Tire chains. 2,984,280, 5–16–61, Cl. 152—241.
Emmerich, Michael. Window and like frames. 3,012,642, 12–12–61, Cl. 189—78.
Emmert, George W., to FEDCO Corp. Tape dispenser. 2,999,313, 9–12–61, Cl. 30—124.
Emmet, Ruth F., to International Latex Corp. Waterproof head covering. 3,009,159, 11–21–61, Cl. 2—68.

Emminger, Francis J.: *See*—
Fowle, Irving H., and Emminger. 2,970,740.
Fowle, Irving H., and Emminger. 3,000,547.
Emmons, Clarence D., to United States of America, Atomic Energy Commission. Vertical rod drive mechanism. 2,975,119, 3–14–61, Cl. 204—193.2.
Emmons, Clark H., to Radio Corp. of America. Battery charger. 3,005,141, 10–17–61, Cl. 320—2.
Emmons, Nelson, III, to The Sheffield Corp. Gaging apparatus. 2,995,921, 8–15–61. Cl. 73—37.8.
Emmons, Paul C., A. V. Huegel, and M. M. McEuen, to United States of America, Air Force. Rotatable afterburners for jet aircraft. 2,986,877, 6–6–61, Cl. 60—35.55.
Emmons, William D., and W. S. Wadsworth, Jr., to Rohm & Haas Co. Process for crease-proofing cellulosic fabrics. 2,988,417, 6–13–61, Cl. 8—116.
Emond, Robert E.: *See*—
Farmer, Michael H., and Emond. 3,006,749.
Emori, Goro: *See*—
Tajima, Kiheida, Emori, Otsuka, and Futaki. 3,005,054.
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Rodriguez, Michael J. 2,968,774.
Emporium Specialties Co., Inc.: *See*—
Erskine, George B. 3,011,046.
Emrick, Donald D.: *See*—
Liao, Chien-wei, Emrick, and Hook. 3,011,880.
Emrick, Donald D., to The Standard Oil Co. Liquid hydrocarbons containing a boron additive. 3,009,791, 11–21–61, Cl. 44—63.
Emrick, Donald D., C. Liao, and E. O. Hook, to The Standard Oil Co. Novel boron compounds and motor fuel containing the same. 3,011,881, 12–5–61, Cl. 44—63.
Emrick, Donald D., and S. M. Darling, to The Standard Oil Co. Borated monomers and polymers. 3,012,907, 12–12–61, Cl. 117—121.
Emrick, Donald D., and S. M. Darling, to The Standard Oil Co. Lubricating oil. 3,012,968, 12–12–61, Cl. 252—49.6.
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Troll, William A. 2,997,203.
Troll, William A. 3,008,607.
Emslie, Norman M., and B. E. Stone, to Philco Corp. Tape handling apparatus. 2,991,920, 7–11–61, Cl. 226—118.
Emslie, Norman M., and F. J. Reed, to Philco Corp. Card handling apparatus. 3,001,789, 9–26–61, Cl. 271—88.
En-Dean, Howard J., J. D. Jones, and E. Topanelian, Jr., to Gulf Research & Development Co. Pipeline surveying. 2,980,854, 4–18–61, Cl. 324—72.
Endelson, Jack, to McPhilben Mfg. Co., Inc. Directional luminaire. 2,994,148 8–1–61, Cl. 40—130.
Endelson, Jack, to McPhilben Mfg. Co., Inc. Directional luminaire. 2,994,149 8–1–61, Cl. 40—130.
Endelson, Jack, to McPhilben Mfg. Co., Inc. Illumination device. 3,014,126, 12–19–61, Cl. 240—73.
Endevco Corp.: *See*—
Shoor, Bernard A. 2,972,006.
Endicott, Harold S., and G. E. Ledges, to General Electric Co. Method of producing a dielectric material. 2,977,193, 3–28–61, Cl. 23—110.
Endicott Johnson Corp.: *See*—
Jones, Leroy B. 2,995,024.
Sweeney, Frank B. 3,002,207.
Endo Laboratories, Inc.: *See*—
Schlesinger, Albert, and Gordon. 2,969,363.
Schlesinger, Albert, and Gordon. 2,997,479.
Schlesinger, Albert, and Gordon. 2,999,096.
Schoen, Karl. 3,005,755.
Endo, Minoru T., to The Magnavox Co. Card processing apparatus. 2,982,546, 5–2–61, Cl. 270—71.
Endres, Johann, to The Messerschmitt AG. Compound gas turbine plants. 2,970,433, 2–7–61, Cl. 60—39.17.
Endres, Johann, to The Messerschmitt AG. Rotor blades for gas turbines. 2,970,807, 2–7–61, Cl. 253—39.15.
Endress, James W., and T. M. Townsend, to Carrier Corp. Purge recovery arrangement for refrigeration systems. 2,986,894, 6–6–61, Cl. 62—85.
Endress, James W., C. D. Miller, and I. S. Pelsue, to Carrier Corp. Apparatus for and method of fluid recovery in a refrigeration system. 3,004,396, 10–17–61, Cl. 62—84.
Endress, James W., and F. Jurgensen, to Carrier Corp. Purge mechanism for refrigeration system. 3,013,404, 12–19–61, Cl. 62—195.
Endrezze, Ann E.: *See*—
Endrezze, William E. 2,980,053.
Endrezze, William E., to A. E. Endrezze. Gas vented firing chamber for firing tubes, firing jet propelled torpedo, missiles. 2,980,053, 4–18–61, Cl. 114—238.
Endter, Friedrich, and J. Schuffler, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Tube furnace for carrying out gas reactions in ceramic tubes. 2,987,382, 6–6–61, Cl. 23—288.
Enell, Milton J. Safety closure cap for filling spouts of pressurized liquid cooling systems. 2,990,971, 7–4–61, Cl. 220—40.
Enenstein, Norman H., to Hughes Aircraft Co. Moving target indicating system. 2,982,955, 5–2–61, Cl. 343—7.7.
Energy Ltd.: *See*—
Drumm, James J. 3,009,315.
Enezian, Jirair: *See*—
Velluz, Leon, Muller, Allais, and Enezian. 2,985,659.
Eng, Albert, to National Research Corp. Vacuum coating apparatus. 2,996,037, 8–15–61, Cl. 118—49.
Eng, Jackson: *See*—
Baker, Samuel B., and Eng. 2,998,459.
Eng, Jackson, to Esso Research and Engineering Co. Preparation of aromatic and saturated hydrocarbons. 2,992,283, 7–11–61, Cl. 260—673.
Eng, Jackson, and S. H. J. Greenwood, to Esso Research and Engineering Co. Chlorine separation process. 3,001,607, 9–26–61, Cl. 183—114.2.
Engber, Manuel A., and R. Bloom. Container. 2,994,470, 8–1–61, Cl. 229—52.
Engberg, Carl T., to United States of America, Army. Multiple antenna using passive reflectors. 2,977,464, 3–28–61, Cl. 250—15.
Engborg, Nils H., and L. E. Gustafsson, to Aktiebolaget Bofors. Depth charge having rocket motor propulsion. 2,989,919, 6–27–61, Cl. 102—7.
Enge, Delmer L.: *See*—
Thrasher, Howard G., and Enge. 3,014,767.
Enge, Harald A., to High Voltage Engineering Corp. Unidirectional high voltage generator. 2,971,145, 2–7–61, Cl. 321—8.
Engel, Charles F., and B. V. Mace, to Engel Sheet Metal Equipment, Inc. Cleat flanger for sheet metal ducts and the like. 2,973,796, 3–7–61, Cl. 153—4.
Engel, Charles R., to Canadian Patents and Development Ltd. 17 alpha-halogenated - 11,21 - dioxygenated-4-pregnene-3,20-diones and derivatives. 2,985,672, 5–23–61, Cl. 260—397.45.
Engel, Charles R., to Canadian Patents and Development Ltd. 17α-halo-Δ4-pregnene compounds. 2,986,572, 5–30–61, Cl. 260—397.3.
Engel, Nina L. Face rest mattress. 2,990,558, 7–4–61, Cl. 5—91.
Engel, Raymond A., and C. M. Johnson, to Fisher Governor Co. Gas regulator. 3,001,550, 9–26–61, Cl. 137—625.34.
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Engel, Thomas, to Vasco Industries Corp. Process for pulverizing thermoplastic material. 2,974,883, 3–14–61, Cl. 241—17.
Engel, Thomas P. Apparatus for working thermoplastic materials. 3,013,298, 12–19–61, Cl. 18—1.
Engel, Walter: *See*—
Kuhrt, Friedrich, and Engel. 2,986,711.
Engel, Willem F., to Shell Oil Co. Regeneration of supported platinum catalysts. 2,981,694, 4–25–61, Cl. 252—415.
Engel, Willem F., to Shell Oil Co. Method for purifying polyolefin. 3,000,871, 9–19–61, Cl. 260—93.7.
Engel, Willem F., to Shell Oil Co. Reduced group V a metal oxide on silica/alumina support. 3,014,899, 12–26–61, Cl. 260—94.9.
Engel, Willy, to Societe Genevoise d'Instruments de Physique. Arrangement for adjusting accurately and automatically the position of a member sliding with reference to a predetermined part. 2,982,185, 5–2–61, Cl. 70—16.
Engel, Wolfgang, to Phoenix-Naehmaschinen A.-G. Baer & Rempel. Double stitch sewing machines. 2,972,320, 2–21–61, Cl. 112—215.
Engel, Wolfgang, to Phoenix-Nähmaschinen A.G. Baer & Rempel. Sewing machines. 2,983,240, 5–9–61, Cl. 112—158.
Engel, Wolfgang, to Anker-Phoenix Nahmaschinen AG. Control means for zig-zag sewing machine having automatically disconnectable control mechanism. 3,001,491, 9–26–61, Cl. 112—158.
Engel, Wolfgang, to Anker-Phoenix Nahmaschinen AG. Guiding means for zig-zag sewing machine. 3,005,427, 10–24–61, Cl. 112—158.
Engel, Wolfgang, to Phoenex-Naehmaschinen AG Baer & Rempel. Stitch adjusting device for sewing machines. 3,012,531, 12–12–61, Cl. 112—210.
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Engelbart, Douglas C., to Digital Techniques, Inc. Electronic discharge device. 2,971,123, 2–7–61. Cl. 315—84.6.
Engelbart, Douglas C., to Digital Techniques, Inc. Electric controlled information-bearing device. 2,984,765, 5–16–61, Cl. 315—169.
Engelberg, Edwin L.: *See*—
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Engelbrecht, Robert M., to The Seeburg Corp. Reversible recessed panel-type vendor structure. 2,990,229, 6–27–61, Cl. 312—257.
Engelbrecht, Robert M., and J. Q. Snyder, to Monsanto Chemical Co. Polymerization catalyst. 3,004,930, 10–17–61, Cl. 252—442.
Engelbrecht, Robert M., and J. Q. Snyder, to Monsanto Chemical Co. Polymerization of olefins. 3,005,033, 10–17–61, Cl. 260—683.15.
Engelbrecht, Rudolf S., to Bell Telephone Laboratories, Inc. Antenna with electrical lobing. 3,007,165, 10–31–61, Cl. 343—754.

Engelhard Hanovia, Inc.: *See*—
Bird, Lester F. 2,975,333.
Bird, Lester F. 2,985,795.
Bird, Lester F. 2,985,817.
Diaz, Manuel S., and Whitenack. 2,975,331.
Heine-Geldern, Robert. 2,982,877.
Heine-Geldern, Robert V. 2,990,490.
Steinbrecher, Ernst E. 2,982,859.
Engelhard Industries, Inc.: *See*—
Andersen, Holger C., and Green. 2,970,034.
Andersen, Holger C., and Keith. 3,008,796.
Anderson, Edward P. 2,972,053.
Anderson, Edward P. 2,984,590.
Anderson, Edward P. 2,988,496.
Anderson, Edward P. 2,998,359.
Anderson, Edward P. 3,010,891.
Anderson, Edward P. 3,011,959.
Anderson, Edward P., and Fish. 2,984,108.
Cohn, Johann G. E., Steele, and Andersen. 2,975,025.
Cramer, Robert H., and Rosinski. 3,003,952.
Cunningham, Alexander Y., and Mittendorf. 2,984,901.
Fitch, Howard M. 2,984,575.
Fitch, Howard M. 2,994,614.
Greenberg, Herbert J. 2,973,495.
Hauel, Anna P., and Koch. 2,991,256.
Hill, James S. 2,973,283.
Hill, James S. 2,984,868.
Hill, James S. 2,984,894.
Hill, James S. 2,984,896.
Keith, Carl D. 2,999,586.
Koch, John H., Jr. 2,973,329.
Pfefferle, William C., and Rylander. 2,972,642.
Pfefferle, William C., and Rylander. 2,989,574.
Spooner, Howard E. 2,984,893.
Spooner, Howard E. 3,011,044.
Streicher, Johann S. 2,985,532.
Toft, Robert W. 2,980,743.
Engelhard, Otto, to Native Laces & Textiles, Inc. Pattern chain for warp knitting machines. 2,997,867, 8–29–61, Cl. 66—156.
Engelhard, Otto, to Native Laces & Textiles, Inc. Device for imparting a predetermined movement to a mechanism. 2,997,868, 8–29–61, Cl. 66—156.
Engelhard, William E. Carburizing procedure. 2,975,083, 3–14–61, Cl. 148—16.5.
Engelhard, William E. Device for measuring surface heat of moving members. 2,991,654, 7–11–61, Cl. 73—359.
Engelhardt, Edward L.: *See*—
Sprague, James M., Engelhardt, and Christy. 2,996,503.
Engelhardt, Edward L., to Merck & Co., Inc. N-substituted derivatives or 2-benzylamino benzimidazoles. 2,971,005, 2–7–61, Cl. 260—309.2.
Engelhardt, Edward L., to Merck & Co., Inc. Derivatives of dibenzo[a,e]cycloheptatriene. 3,014,911, 12–26–61, Cl. 260—293.
Engelhardt, Hugo, to Philadelphia Thermometer Co. Adjustable thermostats. 2,990,463, 6–27–61, Cl. 200—141.
Engelhorn, Fred, J. R. Tracy, and A. Appaluci, to John Engelhorn & Sons, Inc. Adjustable smokehouse trees. 3,011,650, 12–5–61, Cl. 211—117.
Engelhorn, John, & Sons, Inc.: *See*—
Engelhorn, Fred, Tracy, and Appaluci. 3,011,650.
Engemann, Herbert H. Automatic clearance regulator. 3,009,450, 11–21–61, Cl. 123—90.
Engen, Glenn F., to United States of America, Commerce. Self-balancing D.C. bolometer bridge. 2,997,652, 8–22–61, Cl. 324—106.
Engholdt, Richard K., to Erie Mfg. Co. Timed valve. 2,995,150, 8–8–61, Cl. 137—624.11.
Engholm, Raymond A., to Macotta Co. of Canada Ltd. Wall panel. 2,997,142, 8–22–61, Cl. 189—34.
Engineered Electronics Co.: *See*—
Burson, Bayard T., and Morrison. 2,986,675.
Engineered Grouting Service: *See*—
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Engineered Oil Controls Ltd.: *See*—
Russell, Ian C. 2,985,732.
Russell, Ian C. 2,986,940.
Engineered Products Inc.: *See*—
Banka, Frank W. 3,014,546.
Engineering Metal Products Corp.: *See*—
Gillespie, Russell A. 2,976,969.
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Anderson, Bernard W. 3,003,371.
Hodkin, David. 2,989,133.
Hodkin, David. 3,003,784.
Radford, William E. 2,977,826.
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Zeitlin, Alexander, Gerard, and Brayman. 3,011,043.
Zeitlin, Alexander, Herman, and Brayman. 2,968,837.
Engis Equipment Co.: *See*—
Morton, John S. 2,980,524.
England, David C., to E. I. du Pont de Nemours and Co. 5,7,9-trioxaspiro [3.5] nonanes. 2,996,518, 8–15–61, Cl. 260—340.7.
England, George S., to England Press, Inc. Self-forming device. 3,010,246, 11–28–61, Cl. 46—1.
England Press, Inc.: *See*—
England, George S. 3,010,246.
England, Victor. Strapping device and method. 2,982,069, 5–2–61, Cl. 53—198.
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Koenigsberg, Max. 3,010,122.
Waugh, Robert E., and Rider. 2,998,342.
Wetzler, Justin J. 2,973,526.
Wetzler, Justin J. 2,997,141.
Englander, Imre A., to Schwitzer Corp. Fluid coupling for accessory drive. 3,011,607, 12–5–61, Cl. 192—58.
Englander, Louis, to Etablissements Victor Simon. Printing rollers. 3,003,417, 10–10–61, Cl. 101—375.
Engle, Allen W., and J. L. Casey, to Dresser Industries, Inc. Acoustic insulator for acoustic well logging tools. 2,994,398, 8–1–61, Cl. 181—.5.
Engle, James D., to Union Carbide Corp. Composition containing polyethylene and a polypropylene glycol monoalkyl ether. 2,978,431, 4–4–61, Cl. 260—33.2.
Engle, Paul M., to Cambridge Filter Mfg. Corp. Filter. 2,973,828, 3–7–61, Cl. 183—4.
Engle, Robert W., to General Motors Corp. Stud and anchor assembly comprising stud with wedge shaped end and sheet metal anchor. 3,014,398, 12–26–61, Cl. 85—2.4.
Engle, Sam W. Gain clamping devices in amplifier circuits. 2,985,843, 5–23–61, Cl. 330—138.
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Tatter, John W. 2,989,939.
Englert, Ralph A., to Sylvania Electric Products, Inc. Lead wire feed. 2,979,228, 4–11–61, Cl. 221—9.
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Engleson, Harry E., and E. D. Sramek, to F. B. Redington Co. Bag forming and inserting mechanism. 2,971,442, 2–14–61, Cl. 93—12.
Engleson, Harry E., and E. D. Sramek, to F. B. Redington Co. Rotary conveyor structure. 2,971,636, 2–14–61, Cl. 198—209.
Engleson, Harry E., and E. D. Sramek, to F. B. Redington Co. Packaging machine. 2,973,611, 3–7–61, Cl. 53—266.
Engleson, Harry E., and E. D. Sramek, to Crompton & Knowles Packaging Corp. Orientation and transfer apparatus for wrapping machine. 2,983,092, 5–9–61, Cl. 53—133.
Engleson, Harry E., and S. V. Klein, to Crompton & Knowles Packaging Corp. Tablet feeding mechanism. 2,983,374, 5–9–61, Cl. 209—83.
Englis, Clifton L., and H. P. Thomas, to T-A Mfg. Corp. Quick-opening line supporting clamp. 2,998,217, 8–29–61, Cl. 248—74.
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English, Charles L. Fluid pressure operated engine for well pumps. 2,983,227, 5–9–61, Cl. 103—46.
English, Charles L. Subsurface hydraulic pump assembly with reverse flow. 2,988,005, 6–13–61, Cl. 103—46.
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Campbell, Thomas C. 2,982,503.
Chamberlain, John J. 2,998,588.
Cowan, William B. 3,006,583.
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Creasey, Raymond F., and Heath. 2,982,496.
Creasey, Raymond F., Heath, and Sharples. 2,998,209.
Elliott, George B., and Wray. 2,992,656.
Esterson, Maurice, and Weaver. 2,972,084.
Gibson, John C. 3,005,606.
Heath, Bernard O., and Sharples. 2,987,271.
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Lorett, Jerzy A., and Frankel. 2,996,279.
Magill, George M. M. 2,980,077.
Paddison, Eric. 3,001,101.
Reece, Albert B. J. 3,005,116.
Saunders, Ronald A., Simmons, and Snell. 3,001,745.
Shillitte, Arthur, Ingham, and Seymour. 2,983,662.
Smith, Thomas W. 2,974,481.
Stearn, George F. 3,008,107.
Stubbs, John J., and Ingham. 2,998,364.
Warrington, Albert R. V. C. 2,985,801.
Warrington, Albert R. V. C. 3,003,082.
Warth, Laurence H. F. 3,003,321.
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Turk, Walter E. 2,967,962.
English, Ray H.: *See*—
Ornitz, Martin N., and English. 2,984,473.
English Steel Corp. Ltd.: *See*—
Whitehouse, Glenroy D., and Cooke. 2,973,873.
English, William A.: *See*—
Holden, Paul C., and English. 2,974,489.
English, William D., and A. L. McCloskey, to United States Borax & Chemical Corp. Production of organo-boron compounds. 2,978,502, 4–4–61, Cl. 260—551.
English, William D., and A. L. McCloskey, to United States Borax & Chemical Corp. Process for the production of arylborazoles. 3,000,937, 9–19–61, Cl. 260—551.

Englund, Arvid E., Jr., to General Electric Co. D.-C. to D.-C. voltage multiplier. 3,002,114, 9–26–61, Cl. 307—110.
Englund, Ernest. Tubular interlocking joint. 2,980,215, 4–18–61, Cl. 189—34.
Englund, Gosta R., to Svenska Dataregister Aktiebolaget. Means for continuous delivery of data from cash registers, accounting and like machines. 2,987,247, 6–6–61, Cl. 235—61.
Englund, John W., to Radio Corp. of America. Frequency converter. 2,997,578, 8–22–61, Cl. 250—20.
Englund, Leonard J. Tool for removing seals. 3,014,271, 12–26–61, Cl. 29—263.
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Engstrom, Carl F., and A. C. Danielson, to United States Rubber Co. Pneumatic tire and method of making same. 3,003,537, 10–10–61, Cl. 152—362.
Engstrom, Ernest F. Citrus fruit peeling device. 2,993,273, 7–25–61, Cl. 30—24.
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Enikeieff, Oleg C., to Harry C. Miller Co. Microphone jamming system. 2,988,598, 6–13–61, Cl. 179—1.
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Enkelmann, Walter: *See*—
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Eno, Robert F., C. F. Swett, R. F. Goode, P. F. Mooney, and H. F. Eckerle, to North American Aviation, Inc. High voltage power supply. 2,967,989, 1–10–61, Cl. 321—2.
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Enos, John P., to The Singer Mfg. Co. Ruffers for sewing machines. 2,983,239, 5–9–61, Cl. 112—135.
Enos, John P., to The Singer Mfg. Co. Alternating presser device for sewing machines. 3,006,299, 10–31–61, Cl. 112—235.
Enright, John A., to General Electric Co. Illuminated indicating instrument. 2,982,847, 5–2–61, Cl. 240—2.1.
Enright, John R., to The Pure Oil Co. Test procedure for determining extent of visible deposits on surfaces. 2,982,169, 5–2–61, Cl. 88—14.
Ensign-Bickford Co., The: *See*—
Andrew, David J., Felch, and Noddin. 2,982,210.
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Ensign, Roy F. 2,988,075.
Ensign, Roy K. and R. F. 2,988,078.
Ensign Electric & Mfg. Co.: *See*—
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Ensign, Robert H.: *See*—
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Ensign, Roy F., to Ensign Carburetor Co. Combined pressure regulator and fuel heater and vaporizer. 2,988,075, 6–13–61, Cl. 123—120.
Ensign, Roy K. and R. F., to Ensign Carburetor Co. Starting system for internal combustion engines using gaseous fuel. 2,988,078, 6–13–61, Cl. 123—179.
Ensinger, Raymond L.: *See*—
Smith, John E., and Ensinger. 2,980,023.
Ensink, Johannes: *See*—
Van Overbeek, Adrianus J. W. M., Stieltjes, Jochems, Ensink, Verhagen, and Tummers. 3,008,091.
Ensley, Irvin L., and H. J. Lupher, to Drain Machinery & Supply Co. Boat. 2,991,744, 7–11–61, Cl. 114—56.
Enso-Gutzeit Osakeyhtio: *See*—
Vartiainen, Aarne J. 3,014,534.
Ensrud, Alf F., and M. L. Ochleano, to Lockheed Aircraft Corp. Panel construction. 3,011,602, 12–5–61, Cl. 189—34.
Enssle, Bruno E., to Binks Mfg. Co. Timing control device. 2,966,881, 1–3–61, Cl. 118—11.
Enssle, Bruno E. Control system based upon recording and memory functions. 2,971,492, 2–14–61, Cl. 118—2.
Enssle, Bruno E., to Binks Mfg. Co. Mechanical memory device. 3,013,445, 12–19–61, Cl. 74—568.
Enstrom, R. J., Corp.: *See*—
Enstrom, Rudolph J. 2,994,386.
Enstrom, Rudolph J., to R. J. Enstrom Corp. Control mechanism. 2,994,386, 8–1–61, Cl. 170—160.25.
Entemann, Charles E., to Diamond Alkali Co. Polychlorobenzhydryl cresol. 2,971,013. 2–7–61, Cl. 260—395.
Entemann, Charles E., to E. I. du Pont de Nemours and Co. 2,3,5,6-tetrachlorobenzoic acid and salts thereof and herbicidal method employing same. 3,005,694, 10–24–61, Cl. 71—2.6.
Enterline, Stevenson M., and J. F. Pierce, Sr., to American Metal Climax, Inc. Metal charging apparatus. 2,993,609, 7–25–61, Cl. 214—152.
Enterprise Machine and Development Corp.: *See*—
Hall, John N. 2,997,957.
Enterprise Mfg. Co., The: *See*—
Sarah, Thomas F. 2,986,355.
Enterprise Paint Mfg. Co.: *See*—
Bohnert, Arthur F., and Vanick. 2,994,677.
Enterprise Railway Equipment Co.: *See*—
Dorey, George B. 2,970,551.
Dorey, George B. 2,993,452.
Lindstrom, Morris J. 2,989,008.
Entes, Robert F.: *See*—
Solomon, Frank, and Entes. 2,994,729.
Entin, Leonard P., to Minneapolis-Honeywell Regulator Co. Control apparatus. 3,000,221, 9–19–61, Cl. 73—517.
Entler, Richard W.: *See*—
Davis, Howard C., and Entler. 2,987,746.
Entoleter, Inc.: *See*—
Conley, Kurt H. 2,981,490.
Entschel, Roland, and P. Karrer, to Hoffmann-La Roche Inc. Method for the production of 4',4'-dihydroxy-β-carotene, 4,4'-dihydroxy-15,15'-dehydro-β-carotene and esters thereof. 3,004,063, 10–10–61, Cl. 260—488.
Enyeart, Raymond J.: *See*—
Davis, Jerome I., Steinback, and Enyeart. 2,993,549.
Eolkin, Dave, to Gerber Products Co. Process for treating meats. 3,013,887, 12–19–61, Cl. 99—187.
Eöllös, Terezia: *See*—
Széky, Pálma, Némenyi, and Eöllös. 2,971,898.
Ephraim, Salim N., to Reichhold Chemicals, Inc. Polyisocyanates containing tertiary amine structure. 2,968,672, 1–17–61, Cl. 260—472.
Epler, Elbert P.: *See*—
Newson, Henry W., Wigner, Epler, and Cole. 2,985,574.
Epperlein, Helmut, to Hamilton Watch Co. Electric watch. 2,978,862, 4–11–61, Cl. 58—23.
Epperlein, Helmut, to Hamilton Watch Co. Electric watch. 3,010,075, 11–21–61, Cl. 331—116.
Eppinger, Charles E., and E. G. Flanagin. Truck box covers. 2,979,361, 4–11–61, Cl. 296—100.
Eppink, Reno P. Stadium seating structure or the like. 3,006,689, 10–31–61, Cl. 297—457.
Eppler, Andrew, Jr.: *See*—
Cardani, Charles P., Cole, and Eppler. 2,970,371.
Eppler, Kurt, and F. J. Kollbach, to Farbenfabriken Bayer Aktiengesellschaft. Retaining means for diaphragm valves operated by compressed air. 2,971,741, 2–14–61, Cl. 251—61.
Eppler, Walter T., to Western Electric Co., Inc. Extrusion die. 2,991,504, 7–11–61, Cl. 18—13.
Eppley, Donald F., and V. A. Butler, to Whirlpool Corp. Closure operator for home appliance. 2,982,540, 5–2–61, Cl. 268—72.
Epprecht, Wilfried, and F. Held, to Gesellschaft zur Forderung der Forschung an der Eidg. Techn. Hochschule. Heating conductor and method of making the same. 2,993,814, 7–25–61, Cl. 117—201.
Epsco, Inc.: *See*—
Gordon, Bernard M. 2,997,175.
Gordon, Bernard M. 3,005,964.
Gordon, Bernard M. 3,009,140.
Gordon, Bernard M., and Colton. 2,997,704.
Gordon, Bernard M., and Talambiras. 2,989,741.
Gordon, Bernard M., and Talambiras. 2,998,595.
Smith, Bruce K. 2,976,527.
Talambiras, Robert P. 2,977,547.
Young, Frink M. 2,997,660.
Epstean, Clarence. Folding chair. 2,984,294, 5–16–61, Cl. 155—148.
Epstein, Arnold S.: *See*—
Wildi, Bernard S., and Epstein. 3,009,981.
Epstein, Arnold S., to Monsanto Chemical Co. Point contact rectifier device. 2,980,833, 4–18–61, Cl. 317—236.
Epstein, Henry D.: *See*—
Moksu, Walter H., and Epstein. 3,013,138.
Epstein, Henry D., to Texas Instruments Inc. Overload protective apparatus. 2,986,685, 5–30–61, Cl. 318—221.
Epstein, Henry D., to Texas Instruments Inc. Overload protective apparatus. 3,004,203, 10–10–61, Cl. 318—221.
Epstein, Herman, to Burroughs Corp. Electrographic plotter. 2,967,082, 1–3–61, Cl. 346—33.
Epstein, Herman, to Burroughs Corp. Binary multiplier employing a delay medium. 2,970,766, 2–7–61, Cl. 235—165
Epstein, Herman, and O. B. Stram, to Burroughs Corp. Electrographic recording with magnetic material. 2,970,299, 1–31–61, Cl. 340—174.
Epstein, Herman, and F. T. Innes, to Burroughs Corp. Electrographic printer. 3,012,839, 12–12–61, Cl. 346—74.
Epstein, Louis L.: *See*—
Leone, Adolph A., and Polese. 2,973,139.
Epstein, Louis L. Coin receiver. 2,973,138, 2–28–61, Cl. 232—1.
Epstein, Martin: *See*—
Buckler, Sheldon A., and Epstein. 3,005,029.

Epstein, Saul. Double wall vent pipe. 2,978,261, 4–4–61, Cl. 285—133.

Epstein, Saul, to Borg-Warner Corp. Method of recording low frequency A. C. signals on a magnetic tape. 3,013,124, 12–12–61, Cl. 179—100.2.

Epsylon Research & Development Co. Ltd.: *See*—
Namenyi-Katz, Laszlo. 2,974,056.
Namenyi-Katz, Laszlo. 2,995,287.
Namenyi-Katz, Laszlo. 2,995,313.
Namenyi-Katz, Laszlo. 3,002,670.

Equi-Flex Products, Inc.: *See*—
Meyer, Theodore F. W. 2,974,983.

Equipment Engineers, Inc.: *See*—
Wilson, James A. 3,013,825.

Equitable Paper Bag Co. Inc.: *See*—
Canno, Leonard E. 2,971,874.

Erasmus, Hendrik De W., to Union Carbide Corp. Compacts of finely particulated material. 2,993,761, 7–25–61, Cl. 23—208.

Erath, Louis W., to Dresser Industries, Inc. Stabilized transistor amplifier. 2,979,666, 4–11–61, Cl. 330—17.

Erath, Louis W., to Dresser Industries, Inc. Wideband tube-transistor amplifier. 3,015,070, 12–26–61, Cl. 330—3.

Erath, Louis W., and L. T. Fleming, to Dresser Industries, Inc. Low distortion amplifier. 3,002,157, 9–26–61, Cl. 330—89.

Erath, Louis W., and L. B. McManis, to Dresser Industries, Inc. Compensation for distortion in magnetic recording. 3,007,010, 10–31–61, Cl. 179—100.2.

Erb, Ernst. Two-bed hand-knitting apparatus. 2,993,352, 7–25–61, Cl. 66—69.

Erb, George H.: *See*—
Brody, Arthur, and Erb. 3,014,580.

Erb, Theodor, W. G. Egan, and I. Fredricks, to Sperry Rand Corp., Ford Instrument Co. Division. Transistorized FM-IR detector. 2,967,940, 1–10–61, Cl. 250—83.3.

Erbach, Frederick R., to Beloit Iron Works. Control of stock supply in paper making machines. 2,970,938, 2–7–61, Cl. 162—212.

Erbguth, Paul F. K., and J. G. Balint, to Daystrom, Inc. Measuring instrument. 2,987,930, 6–13–61, Cl. 74—95.

Erbst, Velma Z. Cigarette package holders. 2,982,393, 5–2–61, Cl. 206—19.5.

Erck, Louis J., and T. E. Ban, to The Cleveland-Cliffs Iron Co. Method for converting iron oxide to magnetic oxide. 3,005,699, 10–24–61, Cl. 75—1.

Ercoli, Alberto, to Francesco Vismara Societa' Per Azioni, and A. Ercoli. Ricinoleic acid ester solutions of adrenocortical hormones. 2,983,649, 5–9–61, Cl. 167—77.

Ercoli, Alberto, to Francesco Vismara S.p.A. 3-keto-17-hydroxy-compounds of etiocholane and androstane and method for their manufacture. 2,992,243, 7–11–61, Cl. 260—397.4.

Ercoli, Alberto. 3-(β-haloethyl) enolether of cortisone acetate. 3,009,858, 11–21–61, Cl. 167—65.

Ercoli, Raffaele: *See*—
Natta, Giulio, Ercoli, and Castellano. 3,008,996.

Erdahl, Nicholai M., N. E. Risk, and J. H. McCarthy, to Caterpillar Tractor Co. Tilting boom for pipe laying tractor or other vehicle. 2,967,628, 1–10–61, Cl. 214—1.

Erdelyi, Ferenc. Method and a device for grinding twist drills. 2,972,839, 2–28–61, Cl. 51—124.

Erdie, John, Sr.: *See*—
Fienup, Wilbur G., and Erdie. 2,975,068.

Erdle, Paul J., to Sylvania Electric Products Inc. Anode current regulation. 2,971,160, 2–7–61, Cl. 330—65.

Erdle, Reiner W., and R. C. Feagin, to Howe Sound Co. Production of shell molds. 3,005,244, 10–24–61, Cl. 22—129.

Erdley, Harold F.: *See*—
Singleton, Henry E., and Erdley. 2,995,038.

Erdley, Harold F., to Litton Systems, Inc. Precision directional reference. 2,981,113, 4–25–61, Cl. 74—5.4.

Erdman, Donald C., to Electrocircuits Inc. Ultrasonic nondestructive testing apparatus and control therefor. 3,005,335, 10–24–61, Cl. 73—67.8.

Erdman, Donald C., to Electrocircuits Inc. Ultrasonic measurement apparatus. 3,009,353, 11–21–61, Cl. 73—67.9.

Erdman, Harold E. Beet harvester and cleaning machine. 2,972,383, 2–21–61, Cl. 171—58.

Erdmann, August. Tool or tackle box. 3,000,535, 9–19–61, Cl. 220—55.7.

Erdmann, Hans, to Waldes Kohinoor, Inc. Slide fasteners. 2,978,773, 4–11–61, Cl. 24—205.14.

Erdmann, Hans, to Waldes Kohinoor, Inc. Means for assembling "open" spring-retaining rings. 2,978,801, 4–11–61, Cl. 29—212.

Erdmann, Hans, to Waldes Kohinoor, Inc. Combination retaining ring dispensing and applying tools. 2,978,802, 4–11–61, Cl. 29—229.

Erdmann, Hans, to Waldes Kohinoor, Inc. Quick-acting fasteners. 2,984,144, 5–16–61, Cl. 85—33.

Erdmann, Hans, to Waldes Kohinoor, Inc. Staples of retaining rings. 2,985,295, 5–23–61, Cl. 206–65.

Erdmann, Hans, to Waldes Kohinoor, Inc. Means for assembling open retaining rings on shafts, pins and the like. 2,991,546, 7–11–61, Cl. 29—229.

Erdmann, Hans, to Waldes Kohinoor, Inc. Means for assembling bowed retaining rings on shafts and the like. 2,995,811, 8–15–61, Cl. 29—211.

Erdmann, Hans, to Waldes Kohinoor, Inc. Tools for assembling retaining rings on grooved shafts, pins and the like. 2,998,643, 9–5–61, Cl. 29—229.

Erdmann, Hans, to Waldes Kohinoor, Inc. Retaining-ring assembly tools. 3,012,313, 12–12–61, Cl. 29—229.

Erekson, Arthur B.: *See*—
Duncan, Robert E., and Erekson. 3,001,486.

Erekson, Arthur B., H. C. Steinke, and G. Mohr, to The Borden Co. Storing cheese. 2,970,922, 2–7–61, Cl. 99—178.

Erfurth, Kurt A., and F. G. Wazelt, to United States of America, Air Force. Method and apparatus for controlling release of objects from aircraft. 3,010,648, 11–28–61, Cl. 235—61.

Erhardt, John E., Jr., and E. M. Siegel, to Selas Corp. of America. Pre-heater or furnace assembly. 2,999,675, 9–12–61, Cl. 263—3.

Ericks, Walter P., to The Upson Co. Process of stabilizing cellulose by impregnation with polyesters and polyamine or hydroxyamine and product thereof. 2,977,331, 3–28–61, Cl. 260—17.2.

Erickson, Albert H. Blower head attachment for a rotary lawn mower. 2,983,057, 5–9–61, Cl. 37—43.

Erickson, Albert H. Attachment for rotary sickle type lawnmowers. 2,991,567, 7–11–61, Cl. 37—43.

Erickson, Alton L. Hood for golf cart. 2,973,794, 3–7–61, Cl. 150—52.

Erickson, Anton F., to General Motors Corp. Disk brake adjuster. 3,008,546, 11–14–61, Cl. 188—71.

Erickson, Anton F., to General Motors Corp. Brake fluid system. 3,013,393, 12–19–61, Cl. 60—54.5.

Erickson, Anton H.: *See*—
Donahue, William J., Jr., Erickson, and Butler. 2,996,009.
Vining, L. Heath, Jr., Erickson, and Will. 2,993,442.

Erickson, Arthur E., to Merck & Co., Inc. Processes of preparing steroid 7,11-diols. 3,012,026, 12–5–61, Cl. 260—239.55.

Erickson, Carl A., to United Aircraft Corp. Pneumatic control system for fuel-air starter. 2,976,682, 3–28–61, Cl. 60—39.14.

Erickson, Charles L.: *See*—
Erickson, Oscar G. 2,993,483.

Erickson, Edward S. Shingle gauge attachment. 2,966,745, 1–3–61, Cl. 33—188.

Erickson, Floyd B.: *See*—
Sharp, Dexter B., and Erickson. 2,974,168.

Erickson, Francis L., to National Lock Co. Rim lock assembly. 3,006,179, 10–31–61, Cl. 70—129.

Erickson, Francis L., to National Lock Co. Door latch bolt assembly. 3,006,675, 10–31–61, Cl. 292—337.

Erickson, George E. Chum pot. 2,979,853, 4–18–61, Cl. 43—44.99.

Erickson, Gustav F., and F. J. Melvin, to National Rejectors, Inc. Change coin delivery mechanism. 3,004,541, 10–17–61, Cl. 133—4.

Erickson, Harold E.: *See*—
Brookhyser, Byron B., Erickson, and Schubert. 2,969,095.
Schubert, Dale L., Erickson, and Riley. 2,969,104.

Erickson, Harold E., R. W. Riley, and D. L. Schubert, ½ to said Schubert, and ½ to Industrial Development Co. Prepressing and dividing particle mats. 2,968,389, 1–17–61, Cl. 198—218.

Erickson, Harold E., N. E. and C. V. Nelson, and D. L. Schubert; said Erickson assor. to said Schubert and said N. E. and C. V. Nelson, assors. to Industrial Development Co. Mat handling method and apparatus. 2,989,774, 6–27–61, Cl. 18—4.

Erickson, Harold E., R. W. Riley, and D. L. Schubert; said Erickson and said Riley assors. of ⅛ to said Schubert and ⅜ to Industrial Development Co. Prepressing and dividing particle mats. 2,997,079, 8–22–61, Cl. 143—47.

Erickson, Harold E., N. E. and C. V. Nelson, and D. L. Schubert; said Erickson assor. to said Schubert and said N. E. and C. V. Nelson assors. to Industrial Development Co. Mat handling apparatus. 2,997,080, 8–22–61, Cl. 143—47.

Erickson, Harold E., R. W. Riley, and D. L. Schubert, ½ to D. L. Schubert and ½ to Industrial Development Co. Mat forming apparatus. 3,003,197, 10–10–61, Cl. 19—156.

Erickson, Henry, to Sinclair Refining Co. Catalyst composition and preparation. 2,992,191, 7–11–61, Cl. 252—464.

Erickson, Howard L., and W. H. Corbett, to The Dole Valve Co. Resilient plural orifice flow control. 3,006,378, 10–31–61, Cl. 138—46.

Erickson, John W., to Westinghouse Electric Corp. Ventilating system for a dynamoelectric machine. 2,970,234, 1–31–61, Cl. 310—63.

Erickson, Karl H., to Amerock Corp. Combined door latch and stop. 3,001,811, 9–26–61, Cl. 292—275.

Erickson, Leonard A., to Paperlynen Co. Machine for forming paper caps. 3,004,689, 10–17–61, Cl. 223—7.

Erickson, Lester E., to The B. F. Goodrich Co. Apparatus for conveying material. 2,979,187, 4–11–61, Cl. 198—184.

Erickson, Lewis C. Roller device with removable rolls. 2,973,093, 2–28–61, Cl. 209—106.

Erickson, Lloyd C.: *See*—
Steinke, Joseph F., and Erickson. 2,977,779.

Erickson, Milton E., to Horton Mfg. Co., Inc. Disc brake. 2,991,849, 7–11–61, Cl. 188—72.

Erickson, Norris L., and F. A. Hansen, to Black, Sivalls & Bryson, Inc. Safety pressure relief device. 2,987,218, 6–6–61, Cl. 220—89.

Erickson, Oscar G., to C. L. Erickson. Engine cooling fan mechanism. 2,993,483, 7–25–61, Cl. 123—41.12.
Erickson, Reginald T., to Star-Kist Foods, Inc. Process for preparing a nutritional concentrate. 3,003,880, 10–10–61, Cl. 99—7.
Erickson, Rita A., and J. A. La Valley, said La Valley assor. to Southern Seating Corp. Fastening device. 3,001,252, 9–26–61, Cl. 20—92.4.
Erickson, Robert E.: *See*—
Buchi, George H., Erickson, Wakabayashi, and Eschinazi. 2,968,660.
Erickson, Roger E.: *See*—
Holt, Norman H., and Erickson. 2,999,136.
Erickson, Roy. Anti-dive means in automotive vehicle. 2,969,246, 1–24–61, Cl. 280—124.
Erickson, Roy D. Convertible confection container. 3,009,567, 11–21–61, Cl. 206—46.
Erickson Tool Co.: *See*—
Benjamin, Milton L. 3,006,654.
Benjamin, Milton L., and Walker. 3,006,653.
Benjamin, Milton L., and Winnen. 2,974,964.
Erickson, Verdis M., and D. C. Johnston, to Minneapolis-Honeywell Regulator Co. Sensing apparatus. 2,982,908, 5–2–61, Cl. 323—69.
Erickson, Wallace A., and J. A. Cornell, to H. D. Justi & Son, Inc. Method of polymerizing. 3,005,801, 10–24–61, Cl. 260—78.4.
Erickson, Wilbur A., to Food Machinery and Chemical Corp. Fruit processing apparatus. 2,984,273, 5–16–61, Cl. 146—28.
Erico Products, Inc.: *See*—
Burke, Donald L. 3,004,310.
Havener, Leslie N. 3,003,735.
Leuthy, Henry R., and Gelfand. 2,997,165.
Ericson, Alf E. Plier with locking feature on pawl. 3,013,456, 12–19–61, Cl. 81—338.
Ericson, Arthur R.: *See*—
Gabrielson, Christian, and Ericson. 2,996,217.
Ericson, Carl W., Jr.: *See*—
Mannheimer, David, and Ericson. 2,969,537.
Ericson, Donald W., L. R. Herndon, Jr., and E. C. Thornber, to Pegasus Laboratories, Inc. Electro-hydraulic servo control valve. 2,977,985, 4–4–61, Cl. 137—623.
Ericson, John A., and E. M. Bins. Tailor's marking device. 2,975,520, 3–21–61, Cl. 33—41.
Ericson, Sidney A.: *See*—
Parrott, Henry W., and Ericson. 2,971,569.
Ericson, Sidney A., and H. W. Parrott, to The Bassick Co. Locking arrangement for swivel chair structure. 2,999,665, 9–12–61, Cl. 248—405.
Ericson, Walter M., to Airson Co., Inc. Ceiling tile mounting construction. 2,993,240, 7–25–61, Cl. 20—4.
Ericsson, Eric A.: *See*—
Lundkvist, Karl A., Ericsson, Johnson, and Alexandersson. 3,001,023.
Ericsson, Harry W., Sr.: *See*—
Chruney, Michael, Ericsson, and McCarthy. 2,997,619.
Ericsson Telephones Ltd.: *See*—
Acton, John R. 2,996,622.
Burnett, Lionel C. 2,979,638.
Freedman, Arye L. 2,997,705.
Wightman, Colin J. 2,991,388.
Erie Mfg. Co.: *See*—
Engholdt, Richard K. 2,995,150.
Erie Resistor Corp.: *See*—
Foster, James H., and Sterner. 2,970,369.
Heibel, Jerome D., and Coda. 3,001,267.
Erie Strayer Co.: *See*—
Bowman, Raymond H., and Johnson. 2,996,819.
Eriez Mfg. Co.: *See*—
Moskowitz, Lester R., and Peterson. 2,997,158.
Peterson, Robert R. 2,967,606.
Erke, August F., to J. F. Rhodes Co. Injection molded seal device. 2,988,391, 6–13–61, Cl. 292—325.
Eriksen, Leif A. Infant stroller and chair support unit. 2,990,190, 6–27–61, Cl. 280—30.
Eriksen, Monrad E., to Northland Distributing Co., Inc. Fish cleaning machine. 3,003,186, 10–10–61, Cl. 17—3.
Eriksen, Warren T., to Raytheon Co. Elapsed time indicators. 2,970,264, 1–31–61, Cl. 324—94.
Eriksen, Carl F.: *See*—
Swanson, Fred R., and Eriksen. 2,968,965.
Erikson, Evans W., to Sundstrand Corp. Hydraulic control system. 3,007,448, 11–7–61, Cl. 121—43.
Eriksson, Allan H., to Husqvarna Vapenfabriks Aktiebolag. Sewing machines. 2,969,756, 1–31–61, Cl. 112—158.
Eriksson, Allan H., to Husqvarna Vapenfabriks Aktiebolag. Zigzag sewing machines. 2,986,107, 5–30–61, Cl. 112—158.
Eriksson, Erik I.: *See*—
Martensson, Karl M., Löfman, and Eriksson. 2,980,532.
Eriksson, Rolf, and G. E. Bjorklund, to AB Dentatus. Operating mechanism for reciprocating tools. 3,007,450, 11–7–61, Cl. 121—46.5.
Erion, Wright E., and W. E. Mott, to Gulf Research & Development Co. Radioactivity borehole logging. 3,012,145, 12–5–61, Cl. 250—83.3.
Eribacher, Robert W. Twisted strut construction for marine bearing with forwardly mounted propeller. 2,974,628, 3–14–61, Cl. 115—34.
Eribacher, Robert W. Marine propeller hub of special gradually increasing diameter and combination thereof with a tubular rudder. 2,986,111, 5–30–61, Cl. 114—166.
Eribacher, Robert W. Forced pressure sealed lubricating system for cast iron bearings. 3,006,699, 10–31–61, Cl. 308—36.1.
Erlichman, Henry. Secondary independent feed actuator for sewing machines. 3,004,503, 10–17–61, Cl. 112—160.
Erlichman, Irving, to Polaroid Corp. Photoresponsive exposure control mechanism. 2,984,165, 5–16–61, Cl. 95—10.
Erling, Sven J., and G. K. K. Perén, to Aktiebolaget Separator. Milking machine. 2,986,118, 5–30–61, Cl. 119—14.46.
Ermlich, John R.: *See*—
Dunipace, Donald W., and Ermlich. 2,993,402.
Ermrich, Winfried G.: *See*—
Klopfer, Anton M., and Ermrich. 2,988,657.
Ernault-Batignolles, H., S.A.: *See*—
Le Lan, Armand M. 2,982,259.
Erner, William E., to Hondry Process Corp. Quaternary hydroxyalkyl tertiary heterocyclic amine bases and salts. 3,010,963, 11–28–61, Cl. 260—268.
Ernest, Alfred. Terrestrial globe with inner lighting simulating the real illumination of the sun. 3,014,287, 12–26–61, Cl. 35—47.
Ernest, Charles R., Jr.: *See*—
Rankin, Andrew W., and Ernest. 3,014,695.
Ernest, Fred, ½ to B. Kriegel. Carburetor idle system control apparatus. 2,970,822, 2–7–61, Cl. 261—41.
Ernisse, Paul J.: *See*—
Lareau, Norman N., and Ernisse. 3,000,313.
Ernissee, Clarence M.: *See*—
Hamberger, Henry A., and Ernissee. 2,977,822.
Ernolf, Carl O., and C. E. S. Andersson-Sason, to Aktiebolaget Electrolux. Suction cleaner. 2,986,765, 6–6–61, Cl. 15—329.
Ernsberger, Glenn W.: *See*—
Reeder, James R., and Ernsberger. 2,977,511.
Ernst, Charles E.: *See*—
Clinchy, Raymond C., Stone, and Ernst. 3,014,827.
Ernst, Christian M. Remote-controlled toys. 3,014,311, 12–26–61, Cl. 46—244.
Ernst, Günther: *See*—
Baliguet, Michel P., Ernst, and Jardinier. 2,979,290.
Eggers, Gerhard, and Ernst. 2,974,907.
Eggers, Gerhard, Ernst, Feraud, and Dumez. 2,974,488.
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Ernst, Otto, to Ciba Ltd. Rapidly hardenable compositions of epoxy resins and polyamide resins. 3,008,909, 11–14–61, Cl. 260—18.
Ernst, Paul, to Wacker-Chemie G.m.b.H. Process for producing matted fibers of cellulose esters. 2,995,416, 8–8–61, Cl. 18—54.
Ernst, W. Arthur, to Howard Industries, Inc. Instrument-supporting tripod with seat. 2,982,338, 5–2–61, Cl. 155—80.
Ernst, Walter, to The Thompson Grinder Co. Hydraulic pump. 2,985,109, 5–23–61, Cl. 103—120.
Ernst, Walter, to The Commonwealth Engineering Co. of Ohio. Air gauge weighing device. 2,998,089, 8–29–61, Cl. 177—208.
Ernst, Walter, to The Commonwealth Engineering Co. of Ohio. Apparatus for plastic injection. 3,001,233, 9–26–61, Cl. 18—30.
Ernst, Walter, to The Thompson Grinder Co. Vaned hydraulic unit. 3,011,449, 12–5–61, Cl. 103—136.
Ernst, William B., to Protecto Mfg. Co. Foldable wire book study device. 2,971,286, 2–14–61, Cl. 45—85.
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Erpenstein, Oscar M., to Doak Aircraft Co., Inc. Flexible drive shaft assembly. 2,982,117, 5–2–61, Cl. 64—9.
Errede, Louis A., and W. R. Peterson, to Minnesota Mining and Mfg. Co. Difluorocarbene free radicals in the synthesis of fluorinated olefinic compounds. 2,979,539, 4–11–61, Cl. 260—653.3.
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Ertel, Edwin H. E. Bingo board with magnetic shutters. 3,012,787, 12–12–61, Cl. 273—135.
Ertelt, Henry R., to Esso Research and Engineering Co. Lubricating oil. 3,004,916, 10–17–61, Cl. 252—32.7.
Ertelt, Henry R., E. F. Perlowski, Jr., and T. S. Tutwiler, to Esso Research and Engineering Co. Ashless additive for fuels. 2,974,025, 3–7–61, Cl. 44—62.
Ertelt, Henry R., S. L. Wythe, M. J. Furey, and J. K. Appeldoorn, to Esso Research and Engineering Co. Analysis of heavy metal ions and metal chelates of dialkyl dithiophosphoric acids. 2,976,122, 3–21–61, Cl. 23—230.
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Erteszek, Olga. Brassiere. 2,995,133, 8–8–61, Cl. 128—425.
Ertman, Robert J., I. Sperling, and W. F. Walker, to General Dynamics Corp. Binary information communication system. 2,997,540, 8–22–61, Cl. 178—23.
Ertsgaard, Byron L., and S. V. Sonmore, to Toro Mfg. Corp. Power-driven implement with detachable power, control and guiding unit. 3,000,224, 9–19–61, Cl. 74—16.
Ervin, Guy, Jr., and H. F. G. Ueltz, to Norton Co. Impregnation of carbon products. 2,975,079, 3–14–61, Cl. 117—228.
Ervin, Guy, Jr., and H. F. G. Ueltz, to Norton Co. Process for the extraction of relatively pure thorium. 3,002,906, 10–3–61, Cl. 204—64.
Ervine, Albert W. G., to Remington Arms Co., Inc. Magazine target trap. 2,996,058, 8–15–61, Cl. 124—8.
Erwin, Frederick J., Jr., and W. E. May, to Crown Zellerbach Corp. Machine for erecting a leakproof container. 2,997,717, 8–29–61, Cl. 1—331.
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Eschenburg, William A., and W. S. Taylor, to Yates-American Machine Co. Ice making and vending machine. 2,969,650, 1–31–61, Cl. 62—68.
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Eschinazi, Habib E., to The Givaudan Corp. Process for preparing patchoulione. 2,999,116, 9–5–61, Cl. 260—587.
Eschinazi, Habib E., now by judicial change of name Emile Haviv Eschinasi, to the Givaudan Corp. Alkyl (1-β menthen-6-γ-1) ketones and process therefor. 3,007,967, 11–7–61, Cl. 260—587.
Eschmann, Max. Injection syringe. 2,991,136, 7–4–61, Cl. 309—2.
Eschmann, Paul, W. Völkening, and S. Buhl. Method and means of assembling parts between which an interference fit is to be provided. 2,988,387, 6–13–61, Cl. 287—53.
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Eyolfson, Paul. 2,990,634.
Larsen, Paul V. 3,012,346.
Walker, Douglas B. 3,001,781.
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Eshbaugh, Jesse E., to General Motors Corp. Safety release closures. 2,968,421, 1–17–61, Cl. 220—40.
Eshbaugh, Jesse E., to General Motors Corp. Pressure testing apparatus. 2,981,095, 4–25–61, Cl. 73—40.
Eshbaugh, Jesse E., and J. A. McDougal, to General Motors Corp. Throttle control mechanism. 2,979,172, 4–11–61, Cl. 192—3.
Eshbaugh, Jesse E., and W. F. Schultz, to General Motors Corp. Locking cap for a filler pipe. 2,988,910, 6–20–61, Cl. 70—173.
Esher, Joseph R., Jr., to United States of America, Air Force. Closure time computer. 2,993,121, 7–18–61, Cl. 250—83.3.
Eshkanian, James, to General Motors Corp. Window operating means and the like. 2,996,296, 8–15–61, Cl. 268—118.
Esken, Robert L., to The Sheffield Corp. Gaging apparatus. 2,966,989, 1–3–61, Cl. 209—82.
Esken, Robert L., to The Sheffield Corp. Machine for gauging, selecting and assembling part components. 2,986,819, 6–6–61, Cl. 33—174.
Eskenazi, Joseph, and H. A. Eskenazie. Lamp socket. 2,987,694, 6–6–61, Cl. 339—99.
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Eskenazi, Joseph, and Eskenazie. 2,987,694.
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Esmay, Donald L., and P. Fotis, Jr., to Standard Oil Co. Catalytic process for N-alkylation of amines. 2,984,687, 5–16–61, Cl. 260—577.
Esopi, Aldo J. Skate-blade sharpener. 3,007,287, 11–7–61, Cl. 51—102.
Espenhain, Donald L. Heated salt storage cabinet. 2,999,145, 9–5–61, Cl. 219—35.
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Espergard, Tollef. Device for storing numeric values. 2,991,933, 7–11–61, Cl. 235—61.
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Moore, Buell. 3,001,061.
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Esser, George W., to McGraw-Edison Co. Record-reproduce phonographic system. 2,984,708, 5–16–61, Cl. 179—100.1.
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Henry, Wesley D. 2,984,772.
Prouty, Robert E. 3,009,088.
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Vogel, Ralph A., Jr., and Pulling. 2,983,956.
Webb, George L. 2,984,805.
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Esso Research and Engineering Co.: *See*—
Adams, Clark E., Addison, and Smith. 2,981,676.
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Agius, Peter J. V. J., Dominey, and Pegg. 2,969,323.
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Aldridge, Clyde L., and Hunter. 3,014,081.
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Allston, John W., Hansen, Nix, and Riggs. 2,985,581.
Amir, Emanuel M. 3,004,066.
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Anderson, James A., Jr. 2,974,099.
Arey, William F., Jr. 2,985,512.
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Arnold, Henry K., and Gurtler. 2,999,084.
Baker, Samuel B., and Eng. 2,998,459.
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Baldwin, Francis P., and Robinson. 2,968,588.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,705.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,706.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,707.
Banes, Fred W., Mirviss, and Nelson. 2,994,689.
Bartlett, Jeffrey H., and Kirshenbaum. 2,988,440.
Bauch, Werner A., Lambert, and Hilliard. 2,973,346.
Beach, Leland K. 3,007,978.
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Bell, Clifford W. 2,998,383.
Bieber, Herman, Basch, and Denber. 2,971,905.
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Bown, Delos E., and Williams. 2,993,009.
Brodkey, Robert S., and Rehner. 2,973,309.
Brown, James W., Burnside, and Destremps. 2,998,354.
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Buchmann, Fred J. 3,006,864.
Buckley, Donald J., and Robison. 2,969,341.
Burke, Robert F. 3,005,768.
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Burnside, Harvey E. W., Codet, Jahnig, and Mayer. 3,007,984.
Bushnell, James D. 2,998,381.
Bustin, William M. 2,969,503.
Butler, Roger M., and Bichard. 2,984,619.
Cahn, Robert P. 2,978,522.
Cahn, Robert P. 2,985,697.
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Cain, William P., Minckler, and Makowski. 2,996,473.
Camilli, Concetto T. 2,983,664.
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Claiborne, Earl B., and Schatz. 3,002,962.
Clarke, John V., Jr., Smith, and Kunc. 3,010,903.
Clayton, Robert E., Briggs, and Baldwin. 3,004,007.
Cohen, Charles A. 2,991,308.
Cottle, Delmer L., Minckler, and Eby. 2,995,545.
Cottle, Delmer L., Minckler, and Lemiszka. 2,995,546.
Cox, James B. 2,999,025.
Craven, William J. 3,000,857.
Cull, Neville L. 2,977,346.
Delfel, Norman E. 2,972,579.
De Pierri, William G., Jr., and Earhart. 3,004,078.
De Rycke, Paul E. E., and Rombaut. 3,000,817.
De Vries, Arthur D., and Lambert. 3,014,973.
Dinwiddie, James A., and Morgan. 2,976,132.
Di Piazza, James T. 2,974,027.
Dunkel, Walter L., Ernst, and Wernersbach. 2,974,117.
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Dunlop, Donald D., and Cull. 2,990,433.
Earhart, Harold W., and De Pierri. 2,973,391.
Eberly, Paul E., Jr., Adams, and Kimberlin. 2,996,442.
Edelman, Allan M., and Weinberg. 2,984,618.
Edwards, William R., and Boynton. 2,976,335.
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Elzinga, Eugene R., and Idenden. 2,992,182.
Eng, Jackson. 2,992,283.
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Ertelt, Henry R. 3,004,916.
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Farmer, Michael H., and Emond. 3,006,749.
Fasce, Egi V. 2,973,344.
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Favis, Dimitrios V. 3,000,981.
Fefer, Jean A. 3,004,917.
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Feldbauer, George F., Jr. 2,996,558.
Feldman, Nicholas, Gross, and Monnikendam. 2,968,940.
Fenske, Merrell R. 3,002,827.
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Fischer, Wilbur F., Neu, and Zapp. 2,977,345.
Ford, Francis P., and Robison. 2,975,816.
Fowler, Benjamin T. 2,993,766.
Frost, Edward E., Hottel, and Longwell. 2,971,605.
Fusco, James V., and Robison. 2,988,531.
Fusco, James V., and Robison. 2,999,079.
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Garbarini, Victor C. 2,984,989.
Gay, Raymond, and Siganos. 2,996,364.
Geddes, Ben W. 2,993,770.
Gessler, Albert M., and Ford. 2,996,472.
Gilbert, George R. 2,988,498.
Gilbert, George R. 2,989,372.
Gilbert, George R. 2,998,467.
Gilbert, George R., McCormick, and Schriesheim. 2,971,037.
Gilbert, George R., Schriesheim, and McCormick. 2,978,524.
Gilliland, Edwin R. 2,976,224.
Gladrow, Elroy M., and Kimberlin. 3,002,919.
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Gladrow, Elroy M., and Parker. 2,967,159.
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Glaser, Marvin B., and Tyson. 3,000,992.
Gleason, Anthony H. 2,993,057.
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Gleason, Anthony H., and Slotterbeck. 2,999,891.
Grieff, Paul, and Jahnig. 3,002,037.
Griffin, Clarence F., Jr., and Barnhill. 2,984,895.
Gurd, George W., and Stein. 3,003,009.
Guthrie, Donald A., and Knapp. 2,978,412.
Guthrie, Donald A., and Knapp. 3,003,964.
Guyer, Walter R. F. 3,008,943.
Hakala, Thomas H., Hubbard, Guyer, and Banes. 2,994,720.
Hartzband, Harry M., and Kruse. 2,991,245.
Hawley, Roger S., and Clayton. 2,992,670.
Heath, Carl E., Jr., and Lucchesi. 2,978,397.
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Heinrich, Raymond L., Berry, and Dick. 2,979,472.
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Hemminger, Charles E. 2,983,668.
Hemminger, Charles E., and MacLaren. 2,981,675.
Hemminger, Charles E., MacLaren, and Welty. 3,000,814.
Herrmann, John W. 2,981,679.
Hibshman, Henry J. 2,999,057.
Higgins, John J., and Smith. 2,985,608.
Hill, Arthur B., Maisel, and Wood. 3,007,977.
Hill, Max W., and Black. 2,976,422.
Hill, Ralph M., Kelley, and Lovett. 3,000,990.
Hillard, George O., Jr., and Segura. 2,994,724.
Hinlicky, John A. 2,970,891.
Hinlicky, John A., and Kant. 2,973,330.
Hofmann, John E. 3,000,993.
Hofmann, John E., and Brown. 3,000,995.
Hoke, Ronald C., Idenden, and Glaser. 2,987,562.
Hollyday, William C., Jr., and Black. 2,978,395.
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Jackson, Kenneth E. 2,996,395.
Jahnig, Charles E., and Silveston. 2,971,823.
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James, Jimmy D. 2,971,036.
Jonach, Fredrick L. 2,985,578.
Jones, Jennings H., and M. R. Fenske. 2,989,563.
Jordan, John M. 2,969,110.
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Jordan, John M., and Hemminger. 3,009,789.
Kant, Fred H. 3,004,915.
Karchmer, Jean H., and Walker. 3,000,988.
Keller, James P., Schutze, and Watson. 3,005,855.
Kelley, Roland T. 2,974,126.
Kelley, Roland T., de Vries, James, and Walker. 3,012,947.
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Kimberlin, Charles N., Jr. 2,967,833.
Kimberlin, Charles N., Jr., and Gladrow. 2,971,903.
Kimberlin, Charles N., Jr., and Mattox. 2,971,993.
Kimberlin, Charles N., Jr., and Mattox. 2,972,643.
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Kirshenbaum, Isidor. 2,975,103.
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Kleiber, Carl E. 2,984,542.
Klemchuk, Peter P. 2,995,607.
Knapp, Carroll L., Jr., and Wythe. 2,969,324.
Koenecke, Donald F. 2,971,991.
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Kolfenbach, John J., and Longwell. 2,974,475.
Kolfenbach, John J., and Wiese. 3,002,829.
Kramer, George M., and Doering. 2,987,563.
Kropa, Edward L., and Cremeans. 2,995,541.
Kuntz, Irving. 2,994,690.
Kuntz, Irving, and Baldwin. 3,011,996.
Lambert, Merlan M., and Baldwin. 2,985,618.
Lang, Robert J., Long, Heath, and Skomoroski. 2,981,747.
Langer, Arthur W., Jr., and Morrell. 3,008,949.
Langer, Arthur W., Jr., and White. 3,001,976.
Lannean, Keith P., and Gernand. 3,010,060.
Leary, Robert F., and Bowman. 2,983,720.
Leary, Robert F., Bowman, and Kelley. 2,976,252.
Lefebvre, Jean A. A. 2,978,342.
Lemiszka, Theodore, Minckler, and Cottle. 2,992,202.
Lemiszka, Theodore, and Shewmaker. 2,982,706.
Lense, Frederick T. 3,010,849.
Leverberg, Rudolph R., and Baumgartner. 2,978,411.
Lewis, Warren K. 2,972,574.
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Linn, Norman F., and Herrmann. 3,007,906.
Lippincott, Samuel B. 3,007,974.
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Long, Robert B., Heath, and Kevorkian. 2,974,173.
Lovett, John R., Kelley, and Perlmutter. 3,010,952.
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Evans, Arthur W., A. D. Brown, and H. R. Roddam, to British Titan Products Co. Ltd. Solutions of titanium and aluminium salts. 2,998,321, 8–29–61, Cl. 106—286.
Evans, Arthur W., and C. Shore, to British Titan Products Co. Ltd. Process for preparing zirconium sulphate solutions. 3,009,777, 11–21–61, Cl. 23—117.
Evans, Charles. Indexing and mounting means. 2,976,737, 3–28–61, Cl. 74—16.
Evans, Cyril G.: *See*—
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Evans, Cyril G., to Deering Milliken Research Corp. Yarn processing apparatus. 2,977,663, 4–4–61, Cl. 28—62.
Evans, Cyril G., to Deering Milliken Research Corp. Method and apparatus for processing yarn. 3,001,355, 9–26–61, Cl. 57—34.
Evans, Cyril G., A. D. Harmon, and N. E. Klein, to Deering Milliken Research Corp. Yarn elasticizing apparatus. 2,977,661, 4–4–61, Cl. 28—1.
Evans, Cyril H., to Spillers Ltd. Process for the preparation of a whipping agent from cereal protein. 3,014,801, 12–26–61, Cl. 99—17.
Evans, Daniel I.: *See*—
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Evans, David C., to The University of Utah. Digital differential analyzers. 2,982,470, 5–2–61, Cl. 235—61.6.
Evans, Dewey: *See*—
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Evans, Dewey M., to Ajem Laboratories, Inc. Cradle apparatus and operating mechanism for power washing equipment. 3,007,453, 11–7–61, Cl. 121—164.
Evans, Douglas C., to Scolding Locks Corp. Display card device for bobby pins or the like. 2,988,210, 6–13–61, Cl. 206—66.
Evans, Douglas J. Rudder control system for aircraft. 2,998,211, 8–29–61, Cl. 244—87.
Evans, Edward J., to Atomic Energy of Canada Ltd. Process of containing and fixing fission products. 3,000,072, 9–19–61, Cl. 25—156.
Evans, Edwin R. Disk brake. 2,999,565, 9–12–61, Cl. 188—72.
Evans, Elmer E.: *See*—
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Evans Enterprises, Inc.: *See*—
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Evans, Ersel A., R. J. Anicetti, and W. E. Roake, to United States of America, Atomic Energy Commission. Reactor fuel assembly. 2,977,297, 3–28–61, Cl. 204—193.2.
Evans, Evan F., and L. D. Grandine, Jr., to E. I. du Pont de Nemours and Co. Process for polymerizing a vinylidene compound in the presence of an alkali catalyst. 3,006,894, 10–31–61, Cl. 260—63.
Evans, Evan W.: *See*—
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Evans, Fraser M., to C.A.V. Ltd. Liquid fuel pumps for internal combustion engines. 2,989,003, 6–20–61, Cl. 103—41.

Evans, Fraser M., to C.A.V. Ltd. Control for liquid fuel pumps for compression ignition engines. 2,995,951, 8–15–61, Cl. 74—483.
Evans, Fraser M., to C.A.V. Ltd. Liquid fuel pumps for compression ignition engines. 2,996,053, 8–15–61, Cl. 123—139.
Evans, Frederick A. Means for feeding work-pieces to power-presses and like machines. 3,006,305, 10–31–61, Cl. 113—38.
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Richter, Elmer W., Shellek, McMillan, and Evans. 3,004,093.
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Evans, Harold E., to United States of America, Navy. Inertial and centrifugally operated switch. 3,001,043, 9–19–61, Cl. 200—80.
Evans, Howard H.: *See*—
Lancaster, Edward W., and Evans. 2,986,949.
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Evans, John. Inflow-outflow valve for tanks. 3,007,491, 11–7–61, Cl. 137—599.1.
Evans, Joseph, Jr.: *See*—
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Evans, Joseph R., to Draper Corp. Shuttle structure. 2,971,541, 2–14–61, Cl. 139—196.
Evans, Louis B.: *See*—
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Evans, Louis B., and R. C. Ewing, to Waterous Co. Compact series-parallel, two stage centrifugal pumps. 2,976,810, 3–28–61, Cl. 103—106.
Evans, Louis P.: *See*—
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Evans, Louis P., to Socony Mobil Oil Co., Inc. Method of reducing variation in anti-knock characteristics of fractions of full boiling range naphtha. 2,990,363, 6–27–61, Cl. 208—65.
Evans, Louis P., to Socony Mobil Oil Co., Inc. Multicatalyst dehydrogenation, single catalyst decontamination and aromatization. 3,003,948, 10–10–61, Cl. 208—65.
Evans, Louis P., to Socony Mobil Oil Co., Inc. Two stage process for hydrodenitrogenization of naphtha. 3,003,953, 10–10–61, Cl. 208—254.
Evans, Lyle W., to Sylvania Electric Products Inc. Method of fabricating image display screens. 2,996,380, 8–15–61, Cl. 96—35.
Evans, Lyle W., and T. V. Rychlewski, to Sylvania Electric Products Inc. Display screen. 3,005,125, 10–17–61, Cl. 313—92.
Evans, Paul F., to Westinghouse Electric Corp. Apparatus for locating optical axes. 3,005,376, 10–24–61, Cl. 88—14.
Evans, Paul I., to United States of America, Army. Hydraulically operated breech mechanism. 2,996,957, 8–22–61, Cl. 89—17.
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Chapman, Harvey W. 2,982,230.
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Lytton, Marion R., Wielicki, and Evans. 3,007,900.
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Evans, Ralph S. Drop cradle trailer. 2,983,396, 5–9–61, Cl. 214—505.
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Evans, Robert D., and H. W. Breathitt, Jr., to The American Agricultural Chemical Co. Hydraulic classifier. 2,967,617, 1–10–61, Cl. 209—158.
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Evans, Rupert L., and J. P. Malmrose, to Kewanee Mfg. Co. Window structures. 3,004,634, 10–17–61, Cl. 189—1.
Evans, Steven W., to General Electric Co. Capacitor. 2,990,498, 6–27–61, Cl. 317—101.
Evans, Ted C., to The Air Preheater Corp. Rotary regenerative heat exchanger. 2,977,096, 3–28–61, Cl. 257—267.
Evans, Ted C., and C. A. Lyle, to The Air Preheater Corp. Rotary disc regenerator. 2,981,521, 4–25–61, Cl. 257—267.

Evans, Thomas C., and E. G. Beasley, Jr., to United States of America, Atomic Energy Commission. Fuel element for neutronic reactors. 2,968,601, 1–17–61, Cl. 204—193.2.

Evans, Thomas E., to Texas Instruments Inc. Thermostatic elements. 3,014,342, 12–26–61, Cl. 60—23.

Evans, Vernon, Jr., to Airborne Accessories Corp. Actuators. 2,988,609, 6–13–61, Cl. 200—47.

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Evans, Walter W., L. E. Oliver, and C. R. Ronnquist, to Exeter Mfg. Co. Apparatus for drying and bias cutting a continuous glass cloth tubular woven strip. 2,987,798, 6–13–61, Cl. 28—1.

Evans, William H., and K. R. Low. Apparatus for controlling and protecting electric motors. 2,987,651, 6–6–61, Cl. 317—13.

Evans, William R., and H. C. Stoltz, to AMP Inc. Hydraulic crimping tool for crimping T-tap connectors. 2,968,202, 1–17–61, Cl. 81—15.

Evans, William R., and H. E. Stine, Jr., to AMP Inc. Hand crimping tool. 2,992,576, 7–18–61, Cl. 81—15.

Evans, William T.: *See*—
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Evenhuis, Jakob K., and J. J. Zonsveld, to Shell Oil Co. Stabilization of alcohols and esters. 3,014,064, 12–19–61, Cl. 260—475.

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Everard, Joseph J., to Paragon Electric Co. Control means for defrosting refrigerators. 2,975,612, 3–21–61, Cl. 62—155.

Everard, Joseph J., to American Machine & Foundry Co. Electric time switch with means for automatic opening and delayed reclosure upon power failure. 2,988,608, 6–13–61, Cl. 200—35.

Everard, Joseph J., to American Machine & Foundry Co. Control means for defrosting refrigerators. 3,001,036, 9–19–61, Cl. 200—38.

Everard, Joseph J., and R. D. Rulseh, to Paragon Electric Co. Electric switches and systems controlled thereby. 2,970,454, 2–7–61, Cl. 62—154.

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Everett, Charles V., and W. E. Schwerdtfeger, to International Harvester Co. Implement attaching apparatus for tractors. 2,990,195, 6–27–61, Cl. 280—447.

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Everett, Wilhelm S. Sound silencing and filtering apparatus. 2,998,860, 9–5–61, Cl. 181—54.

Everett, Wilhelm S. Fluid surge alleviator. 2,993,559, 7–25–61, Cl. 181—53.

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Ewing, Ewell F. Grain conditioning apparatus. 2,999,676, 9–12–61, Cl. 263—19.

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Nelson, Permil N. 2,983,931.
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Ewing, Lloyd and R., and Hahn. 3,010,847.

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Fabbro, Emil N., T. D. Nowakowski, and H. G. Wilkin, to General Motors Corp. Forming die. 3,008,508, 11–14–61, Cl. 153—46.
Fabel, George W., and S. J. Znerker, to General Electric Co. Loudspeaker construction. 2,984,712, 5–16–61, Cl. 179—115.5.
Faber-Castell, A. W.: *See*—
Bachmann, Harald, and Tegtmeyer. 2,968,438.
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Faber, Robert E., and J. R. Thomson, to Rheem Mfg. Co. Method of welding interlined structures. 3,001,058, 9–19–61, Cl. 219—127.
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Fabere, Raymond W., and K. J. Mogk, to Caterpillar Tractor Co. Dual range two and four wheel drive for vehicles. 2,971,595, 2–14–61, Cl. 180—49.
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Soloway, Saul. 2,995,459.
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Joly, Robert, Bucourt, and Fabignon. 2,971,985.
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Hug, Andre, Beyner, and Guignard. 3,006,139.
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Mas, Robert J., Figuet, and Michaud. 3,009,541.
Facade, Inc.: *See*—
Fountain, James L. 3,002,235.
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Fackler, Bernard E., and G. B. Soden, to Consolidated Electronics Industries Corp. Time delay relay. 2,975,247, 3–14–61, Cl. 200—38.
Facknitz, Winfried K., to General Electric Co. Cutting tool. 2,982,008, 5–2–61, Cl. 29—96.
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Fadely, Jan E. Fish hook spreader. 2,984,930, 5–23–61, Cl. 43—44.84.
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Faeber, Harry W., to Time, Inc. Signature handling apparatus. 2,969,981, 1–31–61, Cl. 271—82.
Faeber, Harry W., to Time, Inc. Apparatus for tension control. 3,013,487, 12–19–61, Cl. 101—181.
Faecher, Arthur W. Relay fluid valve. 3,011,508, 12–5–61, Cl. 137—120.
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Faerber, Gerhard, to Deutsche Solvay-Werke G.m.b.H. Method of manufacturing dyed, hardened, resinous products of condensates. 2,999,832, 9–12–61, Cl. 260—27.

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Downs, Russell E. 2,994,568.
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Fageol, Louis J.. Vertical shaft inboard marine power plant installations. 2,976,836, 3–28–61, Cl. 115—35.

Faget, Maxime A., and A. J. Meyer, Jr., to United States of America, National Aeronautics and Space Administration. Aerial capsule emergency separation device. 3,001,739, 9–26–61, Cl. 244—1.

Fagg, Leo W.: *See*—
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Fagge, Ralph D., deceased, by S. A. Fagge, administratrix. Non-rotating multiple-piston cylinder for fixture-mounted spot welding gun. 2,982,257, 5–2–61, Cl. 121—38.

Fagge, Ralph D., deceased, by S. A. Fagge, administratrix. Hydraulic spot welding gun motor. 2,985,140, 5–23–61, Cl. 121—38.

Fagge, Sophie A.: *See*—
Fagge, Ralph D. 2,982,257.
Fagge, Ralph D. 2,985,140.

Fagley, John C.: *See*—
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Berni, Ralph J., and Fagley. 2,992,881.

Fahlberg, Carl J. Slicer for cheese and the like. 2,970,378, 2–7–61, Cl. 30—117.

Fahlenberg, Paul, to Compur Werk Friedrich Deckel O.H.G. Photographic camera setting mechanism. 2,974,577, 3–14–61, Cl. 95—64.

Fahlenberg, Paul, to Compur-Werk Friedrich Deckel O.H.G. Photographic shutter construction. 2,978,970, 4–11–61, Cl. 95—11.5.

Fahlenberg, Paul, to Compur-Werk Friedrich Deckel O.H.G. Photographic shutter. 2,999,445, 9–12–61, Cl. 95—63.

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Fahnoe, Frederick, and J. J. Shyne, to Vitro Corp. of America. Method of forming a lubricating element by electrophoresis. 2,994,654, 8–1–61, Cl. 204—181.

Fahnoe, Frederick, and A. Cervi, Jr., to Vitro Corp. of America. Chlorination of organic phosphorus compounds. 3,008,987, 11–14–61, Cl. 260—543.

Fahr, Morris. Dispenser caps for fluid containers. 2,979,236, 4–11–61, Cl. 222—207.

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Fahrenwald, Arthur W. Gyratory ball mill. 2,982,485, 5–2–61, Cl. 241—175.

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Fahringer, Victor T., to Burlington Industries, Inc. Process and apparatus for treating textile materials with a liquid. 2,978,291, 4–4–61, Cl. 8—151.

Fahrni, Fred. Method and device for the formation of a stream of particles of constant layer thickness. 2,980,290. 4–18–61, Cl. 222—1.

Fahrni, Fred. Method and a device for the formation of fleeces of predetermined length composed of wood particles. 2,990,873, 7–4–61, Cl. 154—1.

Fahrner, Charles. Watt meter system. 2,996,671, 8–15–61, Cl. 324—141.

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Fain, Doyle F., and E. Genter. Variable camber airfoil. 2,969,207, 1–24–61, Cl. 244—44.

Fain, Jacob M., and A. Goldman, to United States of America, Navy. Rain repellent composition comprising a styrenated oil modified alkyd resin with paraffin wax. 2,967,163, 1–3–61, Cl. 260—22.

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Fain, Mitchell S., to Grinnell Corp. Air cleaner. 2,976,558, 3–28–61, Cl. 15—312.

Fain, Mitchell S., to Grinnell Corp. Method of cleaning looms. 2,981,644, 4–25–61, Cl. 134—37.

Fain, Ruth E. and A. I. Bathing recliner. 2,985,889, 5–30–61, Cl. 4—185.

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Fair, Kenneth R. Anchor. 2,987,028, 6–6–61, Cl. 114—208.

Fairbairn, John K. Humidity control and cooling system. 2,981,078, 4–25–61, Cl. 62—271.

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Fairbanks, David W. Center punch gauge. 3,013,340, 12–19–61, Cl. 33—189.

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Marion, Clyde E., Bartlett, and Clark. 3,010,529.
Meldrum, Kenneth B., Henthorn, and Everson. 3,010,311.
Rolfe, John B. 3,010,426.
Whyte, Melvin T., and Draymiller. 2,984,320.

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Bell, Donald G. 2,978,662.
Blaustein, Aaron. 2,978,364.
Burgess, Edward S. 2,995,653.
Deniston, William L. 2,985,859.
Doran, Charles E. 2,978,536.
Dunn, William J., Ankenbrock, and Rabb. 2,980,821.
Eaton, Roland D. 3,013,178.
Farber, Monroe. 2,972,012.
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Haines, Jesse H., and Tamaro. 2,976,358.
Hargreaves, William V., and Durgin. 2,980,794.
Jones, Derrick A. 3,007,356.
Jonke, Joseph L. 2,986,805.
Katzmann, Fred L. 2,997,620.
Krauss, Lawrence B. 2,978,314.
Levine, Samuel W. 2,976,355.
Levine, Samuel W. 2,983,785.
Linden, Bernard R. 2,989,662.
Magill, Arthur A., Helien, and Owens. 3,012,468.
Neeb, Melvin M. Re. 25,020.
Noyce, Robert N. 3,015,048.
Palmer, Richard C. 2,975,285.
Palmer, Richard C. 2,989,658.
Palmer, Richard C. 3,002,102.
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Saykay, Joseph J. 2,972,015.
Schnelderman, Max, and Fisher. 2,995,683.
Sensenig, Warren. 2,988,703.
Siegel, Jerome F. 2,989,703.
Sigler, Harold. 2,988,979.
Willcox, Frederick P., and Hotchkiss. 2,987,573.

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Cherubim, Justin. 2,976,087.
Greenlees, James C., Jr. 2,984,216.
Hoffacker, Theodore, Jr., and Hammer. 2,994,497.
Hunter, David U. 2,969,805.
Hunter, David U. 2,976,013.
Hunter, David U. 2,982,260.
Hunter, David U. 2,986,327.
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Makowski, Jerzy, and Dennehy. 2,983,116.
Miller, Matthew N., and Smith. 2,977,978.

Fairchild, George W.: *See*—
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Beck, Robert M., Fairchild, Magnuson, and Palevsky. 3,007,641.

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Fairchild Semiconductor Corp.: *See*—
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Noyce, Robert N. 2,981,877.
Fairchild Stratos Corp.: *See*—
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Diesing, Fred W., and Lindbom. 3,002,524.
Greenlees, James C., and Meyer. 3,002,521.
Greenlees, James C., Jr. 3,004,526.
Lindbom, Torsten. 3,014,373.
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Siemer, Carleton A. 3,004,545.
Stefano, Nicholas M. 3,002,711.
Wagner, Friedrich G. 3,012,740.
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Fairchild, Wayne K. Fluid mixing devices. 2,966,928, 1–3–61, Cl. 137—636.3.
Fairchild, William R. Driving hammer. 2,975,761, 3–21–61, Cl. 121—13.
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Fairey Aviation Ltd.: *See*—
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Littleworth, Bertram, and Martin. 3,011,604.
Watson, Edward. 3,005,149.
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Faiver, Kenneth E., and A. K. Watt, to General Motors Corp. Power throttle and vehicle speed control mechanism. 2,972,391, 2–21–61, Cl. 180—82.1.
Faiver, Kenneth E., and R. W. Perkins, to General Motors Corp. Air flow control apparatus. 3,013,812, 12–19–61, Cl. 280—124.
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Falck, Holger B. M. Venetian blinds. 2,999,537, 9–12–61, Cl. 160—173.
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Falk, Harry J., W. Garnett, and L. G. Stahlhut, to Day-Brite Lighting, Inc. Combined space lighting and ventilating apparatus. 2,991,708, 7–11–61, Cl. 98—40.
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Falk, Morris, Jr., to Independent Lock Co. Chain locking construction. 3,004,419, 10–17–61, Cl. 70—93.
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Fall, Herbert S. Cabinet chassis vertical mount. 2,987,364, 6–6–61, Cl. 312—335.
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Fallert, Clifford D., to Crown Zellerbach Corp. Paperboard containers and method of erecting and simultaneously loading same. 2,990,951, 7–4–61, Cl. 206—65.
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Fannen, John J., to Super Mold Corp. of California. Mold locking ring. 2,981,977, 5–2–61, Cl. 18—43.
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Fasce, Egi V., and J. K. Mertzweiller, to Esso Research and Engineering Co. Polymerization of olefins. 2,977,350, 3–28–61, Cl. 260—94.9.

Fasce, Egi V., N. L. Cull, and R. J. Fritz, to Esso Research and Engineering Co. Method for preparing highly crystalline polypropylene. 2,999,086, 9–5–61, Cl. 260—93.7.

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Fasciati, Alfred, to Ciba Ltd. 2-naphthylazo phenylamine-4,6-dichlorotriazines. 2,993,885, 7–25–61, Cl. 260—153.

Fasciati, Alfred, R. Gunst, H. Riat, and K. Seitz, to Ciba Co., Inc. Disazo-dyestuffs. 2,993,038, 7–18–61, Cl. 260—153.

Fasenmyer, Henry J.: *See*—
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Fasold, George A., and W. V. Leibrook, to The Philip Carey Mfg. Co. Method of preparing self sealing shingles. 3,003,906, 10–10–61, Cl. 156—269.

Fasolino, Peter A. Bone clamps. 2,966,907, 1–3–61, Cl. 128—92.

Faspray Corp.: *See*—
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Fassbender, Frederick A., to S. M. Frank & Co., Inc. Smoking pipes. 2,974,670, 3–14–61, Cl. 131—224.

Fassio, Julius. Device for cleaning, polishing and beating. 3,014,229, 12–26–61, Cl. 15—97.

Fassnacht, Hartwell H., R. W. Felch, and C. D. Forrest, to E. I. du Pont de Nemours and Co. New explosive. 2,992,087, 7–11–61, Cl. 52—13.

Fassnacht, Hartwell H., and D. L. Sagers, to E. I. du Pont de Nemours and Co. Explosive composition. 2,999,014, 9–5–61, Cl. 52—11.

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Fath, Douglas W., to Cutler-Hammer, Inc. Motor control system. 3,004,201, 10–10–61, Cl. 318—148.

Fath, Douglas W., and C. E. Smith, to Cutler-Hammer, Inc. Fault detector. 2,989,694, 6–20–61, Cl. 324—51.

Fathauer, George H., to Thompson Ramo Wooldridge Inc. Slow sweep television system. 2,976,356, 3–21–61, Cl. 178—6.8.

Fathauer, George H., to Thompson Ramo Wooldridge Inc. Television synchronizing pulse generator. 3,006,995, 10–31–61, Cl. 178—7.2.

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Faulhaber, Fritz, to Voigtlander A.G. Process and device for automatically adjusting optical instruments. 2,999,436, 9–12–61, Cl. 95—10.

Faulhaber, Fritz, to Voigtlander Aktiengesellschaft. Photographic camera with automatic adjustment of exposure conditions. 3,000,280, 9–19–61, Cl. 95—10.

Faulk, Raymond B. Decorative ornament. 2,966,757, 1–3–61, Cl. 41—10.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Code translating system. 2,970,760, 2–7–61, Cl. 235—92.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Electronic totalizer. 2,987,250, 6–6–61, Cl. 235—92.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Time division multiplex system. 2,987,577, 6–6–61, Cl. 179—15.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Tone controlled paystation. 3,003,034, 10–3–61, Cl. 179—63.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Register-translator-sender arrangements. 3,003,039, 10–3–61, Cl. 179—18.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Electronic telephone system and ringing tone generator therefor. 3,003,041, 10–3–61, Cl. 179—84.

Faulkner, James E., to Lador, Inc. Animated figurine and music box combination. 3,012,366, 12–12–61, Cl. 46—118.

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Faulkner, Willard J., and J. E. Bayha, to V-M Corp. Change cycle delay apparatus for phonographs. 2,983,513, 5–9–61, Cl. 274—1.

Faulkner, William H., to Union Carbide Corp. Cobalt-base alloy. 2,977,224, 3–28–61, Cl. 75—171.

Faulkner, William H., to Union Carbide Corp. Cobalt-base alloy. 2,996,379, 8–15–61, Cl. 75—171.

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Faure, André. Process for the preparation of perfumed extracts and in particular of powders from alcohols containing liquid and substances and products resulting therefrom. 2,991,180, 7–4–61, Cl. 99—22.

Faure-Herman, Jean: *See*—
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Fauser, Hans, to Superpart S.A. Indoor fire-places. 2,970,590, 2–7–61, Cl. 126—121.

Faust, Francis S., and E. R. Edmunds, to R. G. Wright Co., Inc. Washing machine for animal cages and the like. 3,010,461, 11–28–61, Cl. 134—191.

Faust, Henry J., and F. Burmann. Device for applying butter to corn on the cob. 3,005,225, 10–24–61, Cl. 15—514.

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Faust, John W., Jr., to Westinghouse Electric Corp. Preparation of semiconductor devices having uniform junctions. 3,009,841, 11–21–61, Cl. 148—1.5.
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Fauth, Frederick E., and D. J. Bustraan, to Crown Cork & Seal Co., Inc. Filling machine. 2,967,551, 1–10–61, Cl. 141—149.
Favaro, Sergio. Apparatus for driving gramophone records. 2,988,365, 6–13–61, Cl. 274—9.
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Favier, Jacobus S., to Organon Inc. Process for the preparation of 17*a*,21-dihydroxy 3,11,20-triketo-allopregnane-21-acylate. 2,988,556, 6–13–61, Cl. 260—397.45.
Favis, Dimitrios V., to Esso Research and Engineering Co. Synthesis of hydrocarbon type lubricating oils. 3,000,981, 9–19–61, Cl. 260—666.
Favre, Jacques, to Zyma S.A. Process of preparation of a tri-(hydroxyethyl) ether of rutin. 2,975,168, 3–14–61, Cl. 260—210.
Favre, John A., to General Electric Co. Stored energy operating mechanism for switches. 2,972,259, 2–21–61, Cl. 74—97.
Favre, John A., to Phillips Petroleum Co. Stabilization of polymers. 3,000,854, 9–19–61, Cl. 260—45.95.
Favre, Maurice, to Compagnie Generale de Telegraphie sans Fil. Traveling wave tube oscillator. 3,003,119, 10–3–61, Cl. 331—82.
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Fawkes, Donald G., to Henry Pratt Co. Rotary valve. 3,006,600, 10–31–61, Cl. 251—175.
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Stamps, George M. 2,976,362.
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Fay, James P., to The Teletrak Corp. Transport means for a magnet recorder-reproducer. 2,968,702, 1–17–61, Cl. 179—100.2.
Fay, James P. Pump. 2,988,010, 6–13–61, Cl. 103—153.
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Ancet, Victor M. J., and Fayolle. 2,977,996.
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Fazio, Charles P., R. M. Nelson, and B. A. Nickerson, to W. R. Grace & Co. Balloon valve. 2,992,795, 7–18–61, Cl. 244—31.
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Federman, Alfred P. Method for feeding liquid casting material into an article mold. 2,972,172, 2–21–61, Cl. 22—209.
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Fefer, Morton, to Esso Research and Engineering Co. Hydrocarbon resins produced using cycloparaffinic diluent. 2,991,275, 7–4–61, Cl. 260—82.
Fefer, Morton, to Esso Research and Engineering Co. Hydrocarbon resins. 3,005,806, 10–24–61, Cl. 260—82.
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Bortnick, Newman M., and Fegley. 2,984,672.
Bortnick, Newman M., and Fegley. 2,984,673.
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Feichtinger, Heinrich, to Georg Fischer Aktiengesellschaft. Method of treating molten metal. 2,997,384, 8–22–61, Cl. 75—59.
Feichtinger, Heinrich. Process and apparatus for treating metal melts. 2,997,386, 8–22–61, Cl. 75—93.
Feichtinger, Hans, and H. Linden, to Ruhrchemie Aktiengesellschaft. Production of pure 4,5,6,7,10,10-hexochloro-4,7-endomethylene-4,7,8,9-tetrahydrophthalane. 2,993,911, 7–25–61, Cl. 260—346.2.
Feichtinger, Hans, and H.-W. Linden, to Ruhrchemie Aktiengesellschaft. Fluorine-containing octahalogenous endomethylenetetrahydrophthalanes. 3,000,781, 9–19–61, Cl. 167—33.
Feichtinger, Hans, H. Tummes, and S. Puschhof, to Ruhrchemie Aktiengesellschaft. Chlorinated 4.5.6.7.10.10-hexachloro-4.7-endomethylene-4.7.8.9-tetrahydrophthalane insecticides. 3,000,907, 9–19–61, Cl. 260—346.2.
Feichtmeir, Edmund F.: *See*—
McBeth, Clyde W., and Feichtmeir. 3,005,752.
Feichtmeir, Thomas V. Apparatus for the preparation of laboratory test samples. 3,012,863, 12–12–61, Cl. 23—253.
Feier, Milton, and M. Pantzer, to The Panray Corp. Buffered para-aminosalicylic acid oral compositions. 2,977,281, 3–28–61, Cl. 167—65.
Feiertag, Karl M., and L. J. Neuls, to General Electric Co. Machine mounting assembly. 2,982,504, 5–2–61, Cl. 248—26.
Feifel, Eugen, and R. Prochazka. Apparatus for determining the dust content of gases of vapors. 2,994,035, 7–25–61, Cl. 324—71.
Feig, Jerome H., to Progress Mfg. Co. Ventilator unit. 2,971,451, 2–14–61, Cl. 98—115.
Feige, Günter: *See*—
Keil, Helmut, Wagner, Feige, Söllner, and Rudiger. 2,976,851.
Feigen, Morton B., and J. H. Sharp, to Gallant Knight, Inc. Chess training aid and solitaire playing device. 2,984,-914, 5–23–61, Cl. 35—8.
Feighner, George C., to Continental Oil Co. Preparation of 300 to 500 molecular weight alkyl chlorides. 3,002,033, 9–26–61, Cl. 260—658.
Feigl, Erich F., to Standard Coil Products Co., Inc. Interpolating device. 2,970,762, 2–7–61, Cl. 235—132.
Feigley, David A., Jr., to Armstrong Cork Co. Determination of the percentage by weight solids in a slurry. 2,995,030, 8–8–61, Cl. 73—61.
Feigley, David A., Jr., to Armstrong Cork Co. Color improvement in phenol-formaldehyde resins. 3,005,798, 10–24–61, Cl. 260—59.
Feigley, David A., Jr., and L. N. Ray, Jr., to Armstrong Cork Co. Drainage rate of cellulosic papermaking slurries. 3,008,868, 11–14–61, Cl. 162—179.
Feigley, David A., Jr., and L. N. Ray, Jr., to Armstrong Cork Co. Water-laid inorganic product. 3,014,835, 12–26–61, Cl. 162—154.
Feijoo, James A., and D. W. Young, Jr., to The Bendix Corp. Angle-gated phase detector. 2,971,086, 2–7–61, Cl. 250—20.
Feil, George W., Jr., to International Harvester Co. Motor vehicle exhaust muffler support means. 3,014,681, 12–26–61, Cl. 248—60.
Feilbach, Harvey O., to F. J. Trecker. Lawn edger. 3,006,-421, 10–31–61, Cl. 172—15.
Feild, Alexander L., Jr., to Universal-Cyclops Steel Corp. Electric welding apparatus. 2,982,843, 5–2–61, Cl. 219—74.

Feild, Alexander L., Jr., to Universal-Cyclops Steel Corp. Method for welding tungsten. 2,993,112, 7-18-61, Cl. 219—118.

Feild, Robert B., to E. I. du Pont de Nemours and Co. Process for the recovery of uranium from solution by means of chelation with a polyoxime ester resin. 3,004,052, 10-10-61, Cl. 260—429.1.

Feild, Theophilus A.: *See*—
Rankin, William W., Townsley, and Feild. 2,970,362.

Feild, Theophilus A., Jr., and C. W. Davisson, to Union Carbide Corp. Pile fabrics. 2,971,245, 2-14-61, Cl. 28—78.

Feiler, Alfred M., to Pneumo Dynamics Corp. Embedment anchor. 2,993,461, 7-25-61, Cl. 114—206.

Fein, Marvin M., and C. A. Friedman, to Allied Chemical Corp. Concentrated aqueous detergent composition. 2,978,416, 4-4-61, Cl. 252—161.

Fein, Samuel, to Westinghouse Electric Corp. Flexible tieing and locking device. 3,009,220, 11-21-61, Cl. 24—16.

Feinberg, Albert E.: *See*—
Huberty, Elmer J., and Feinberg. 3,003,081.

Feinberg, Albert E., and P. Berger, to Advance Transformer Co. Apparatus for igniting and operating gaseous discharge devices. 2,971,124, 2-7-61, Cl. 315—97.

Feinberg, Albert E., and P. J. Zerwes, to Advance Transformer Co. Electromagnetic core construction and method. 3,002,263, 10-3-61, Cl. 29—155.61.

Feinberg, Irving. Insecticidal self-polishing wax and method of preparation. 3,008,871, 11-14-61, Cl. 167—30.

Feinberg, Irving, and A. Avakain, to Sylvania Electric Products Inc. Semiconductor assembly methods. 2,973,569, 3-7-61, Cl. 29—25.3.

Feinberg, Richard: *See*—
Sherman, Reuel A., and Feinberg. 3,011,394.

Feinberg, Richard, and R. A. Sherman, to Titmus Optical Co., Inc. Eye testing apparatus. 3,012,472, 12-12-61, Cl. 88—20.

Feiner, Alexander: *See*—
Baldwin, John A., Jr., and Feiner. 3,002,067.

Feiner, Alexander, to Bell Telephone Laboratories, Inc. Magnetically controlled switching device. 2,992,306, 7-11-61, Cl. 200—87.

Feiner, Alexander, to Bell Telephone Laboratories, Inc. Nonsaturating transistor pulse amplifier. 2,999,169, 9-5-61, Cl. 307—88.5.

Feiner, Alexander, C. A. Lovell, T. N. Lowry, and P. G. Ridinger, to Bell Telephone Laboratories, Inc. Electrical switching devices. 2,995,637, 8-8-61, Cl. 200—87.

Feiner, Jacob S., and A. B. Freeman. Annular hysteresis electric motor. 2,997,611, 8-22-61, Cl. 310—164.

Feinman, Jerome, to United States Steel Corp. Device for feeding particles to fluidized beds. 2,972,501, 2-21-61, Cl. 306—29.

Feinstein, Joseph: *See*—
Collier, Robert J., and Feinstein. 2,988,669.

Feinstein, Joseph, to Bell Telephone Laboratories, Inc. Magnetron. 2,976,458, 3-21-61, Cl. 315—39.77.

Feinstein, Joseph, to Bell Telephone Laboratories, Inc. Electron beam devices. 2,992,355, 7-11-61, Cl. 315—3.5.

Feinstein, Robert N., to United States of America, Atomic Energy Commission. Purification of ether. 3,003,002, 10-3-61, Cl. 260—616.

Feiser, Charles F., Jr., to Campbell Chain Co. Overload indicator for sling chain and the like. 2,966,878, 1-3-61, Cl. 116—114.

Feissel, Henri G., to Machines Automatiques Modernes (Societe a Responsabilite Limitee). Means for positioning an account or record sheet in an accounting machine. 2,971,627, 2-14-61, Cl. 197—127.

Feissel, Henri G., to Compagnie des Machines Bull (Societe Anonyme). Synchronising devices for use in electronic calculators. 2,982,920, 5-2-61, Cl. 331—17.

Feissel, Henri G., to Compagnie des Machines Bull (Societe Anonyme). Electro-magnetically actuated driving devices for computing machines. 3,000,482, 9-19-61, Cl. 192—81.

Feistel, Robert B., Jr., to Halliburton Oil Well Cementing Co. Hydraulic mechanism for concrete mixer. 2,968,915, 1-24-61, Cl. 60—19.

Feja, Karl: *See*—
Becker, Wilhelm, Schmeissmeir, Feja, and Schuster. 2,979,184.

Fekete, Francis A., H. J. Mansell, and J. P. Moco, to Moco Industrial Equipment, Inc. Work transfer apparatus. 3,001,651, 9-26-61, Cl. 214—1.

Fekete, Frank, to Pittsburgh Plate Glass Co. Novel monomeric compounds and homopolymers and interpolymers thereof. 2,975,156, 3-14-61, Cl. 260—67.

Fekete, Frank, to Union Carbide Corp. Phosphinyl alkoxy silanes. 2,978,471, 4-4-61, Cl. 260—448.8.

Fekete, Frank, to Union Carbide Corp. Process for making phosphorus-containing silicon compounds. 2,995,594, 8-8-61, Cl. 260—448.8.

Fekete, Frank, to Union Carbide Corp. Phosphinyl alicyclic silicon compounds. 2,996,530, 8-15-61, Cl. 260—448.8.

Felbeck, George T., J. W. Heimaster, and J. D. Newlon, to Union Carbide Corp. Continuous mining machine having roof fall receiving conveying means. 2,978,235, 4-4-61, Cl. 262—7.

Felber, Martin R., to McGraw-Edison Co. Transfer mechanism for forging machines. 3,007,181, 11-7-61, Cl. 10—15.

Felburn, John P. Method of "piggie-back" transportation. 3,002,636, 10-3-61, Cl. 214—38.

Felch, Robert W.: *See*—
Andrew, David J., Felch, and Noddin. 2,982,210.
Fassnacht, Hartwell H., Felch, and Forrest. 2,992,087.

Felch, Robert W., to E. I. du Pont de Nemours and Co. Seismic prospecting device. 2,992,611, 7-18-61, Cl. 102—22.

Feldbauer, George F., Jr.: *See*—
Tuttle, John R., Feldbauer, and Hoke. 2,978,407.

Feldbauer, George F., Jr., to Esso Research and Engineering Co. Molecular sieve separation process. 2,996,558, 8-15-61, Cl. 260—708.

Felder, Ernst, and D. Pitré, to Bracco Industria Chimica S.p.A. New crystalline pantothenic acid ester and process for the production thereof. 2,979,525, 4-11-61, Cl. 260—482.

Felder, Howard B., to Clark Equipment Co. Torque measurement apparatus. 2,978,902, 4-11-61, Cl. 73—136.

Feldkamp, John G., G. H. Burt, and R. E. Hager, to Acme Steel Co. Brick packaging. 3,003,296, 10-10-61, Cl. 53—26.

Feldkamp, Rolland F.: *See*—
Campbell, Kenneth N., Rivard, and Feldkamp. 2,992,231.

Feldkamp, Rolland F., W. M. Coates, and J. R. Corrigan, to Mead Johnson & Co. 3-pyrrolidyl ethanols. 3,006,925, 10-31-61, Cl. 260—326.5.

Feldman, Carl B. H., to Bell Telephone Laboratories, Inc. Selective signal recognition system. 2,974,281, 3-7-61, Cl. 324—77.

Feldman, Charles, to Centre National de La Recherche Scientifique. Electrical resistors. 2,984,589, 5-16-61, Cl. 117—212.

Feldman, Charles, to Davohn Corp. Method for making luminescent screens. 2,998,323, 8-29-61, Cl. 117—33.5.

Feldman, Charles, to Davohn Corp. Method of making zinc sulfide luminescent screens. 2,996,402, 8-15-61, Cl. 117—33.5.

Feldman, Charles, to Davohn Corp. Metal silicate luminescent screens and method of making same. 2,996,403, 8-15-61, Cl. 117—33.5.

Feldman, Charles, to Davohn Corp. Zinc phosphate luminescent screens and method of making same. 2,996,404, 8-15-61, Cl. 117—33.5.

Feldman, Edward F., to Panoramic Radio Products, Inc. Panoramic heterodyne synchronous component analyzer. 2,970,469, 2-7-61, Cl. 73—67.2.

Feldman, Harry W.: *See*—
Feldman, Marshal H. and H. W. 2,987,741.

Feldman, Herman: *See*—
Sams, Martin, and Feldman. 2,993,190.

Feldman, Louis I.: *See*—
Allen, William S., and Feldman. 3,010,877.

Feldman, Marshall H. and H. W. Machine for removing painted markings from pavement. 2,987,741, 6-13-61, Cl. 15—4.

Feldman, Nicholas, G. P. Gross, and P. Monnikendam, to Esso Research and Engineering Co. Method for detecting dispersed water in hydrocarbons. 2,968,940, 1-24-61, Cl. 73—73.

Feldman, William, and H. F. Hicks, Jr., to United States of America, Navy. Infrared detecting system. 3,005,914, 10-24-61, Cl. 250—83.3.

Feldmuehle Papier-und Zellstoffwerke A.G.: *See*—
Hass, Karl, and Deselaers. 2,980,505.
Schroeter, Gustav-Adolf. 2,980,535.

Feldpush, Norman V.: *See*—
McGuine, Thomas H., and Feldpush. 2,985,674.

Feldser, Cydel: *See*—
Henry, Nelson B. 2,981,299.

Felgar, Donald N.: *See*—
Bradford, John R., Dickinson, Felgar, and Hage. 3,005,-101.

Feliu, Gaetano G. Ciphering machines. 2,969,135, 1-24-61, Cl. 197—4.

Felix, John P.: *See*—
Happe, Reynold, and Felix. 2,975,257.

Felix, Michael O., and A. J. Lipinski, to Canadian Westinghouse Co., Ltd. Diversity receiver. 2,969,457, 1-24-61, Cl. 250—20.

Felker, Jean H., and A. A. Lundstrom, to United States of America, Navy. Closure-time computers. 3,011,716, 12-5-61, Cl. 235—193.

Felker Mfg. Co.: *See*—
Bergen, Von M. 2,972,344.

Felker, Maurice H., to Scott & Williams, Inc. Knitting machine and method. 3,000,199, 9-19-61, Cl. 66—93.

Felker, Maurice H., to Scott & Williams, Inc. Knitting machine. 3,004,413, 10-17-61, Cl. 66—50.

Fell, Charles L., to The American Monorail Co. Apparatus for removing lint from textile machines. 2,974,342, 3-14-61, Cl. 15—312.

Fell, Thomas T., W. A. Skillman, D. H. Mooney, Jr., H. B. Smith, and L. P. Goetz, to Westinghouse Electric Corp. Pulse doppler radar system. 3,011,166, 11-28-61, Cl. 343—7.7.

Fellberg, Hans W., ½ each to L. F. Guenther, and W. F. Mitchell, d.b.a. Guenther-Mitchell Engineering Co. Safety valve. 2,992,652, 7-18-61, Cl. 137—118.

Feller, Robert G.: *See*—
Lapsley, Rhea P., and Feller. 3,009,008.

Fellers, Carl R., to The Blue Channel Corp. Salt tablets containing an ethylenediaminetetracetic acid compound and process of producing the same. 3,013,884, 12-19-61, Cl. 99—143.

Felletschin, Gunter, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Process of preparing dispersions of pulverulent material and preparations obtained thereby. 3,000,750, 9–19–61, Cl. 106—308.
Fellmann, Isidore, to A. La Frut. Separating drums for an automatic feeder for treating-machines of the textile industry. 2,985,922, 5–30–61, Cl. 19—128.
Fellner, Alex, to H. Zahn. Fuel cartridge for a gas cigarette-lighter. 3,011,326, 12–5–61, Cl. 67—7.1.
Fellner & Ziegler G.m.b.H.: *See*—
Taubmann, Harro. 3,014,603.
Taubmann, Harro, and Oberndörfer. 2,992,782.
Fello, Michael A.: *See*—
Davis, Paul F., and Fello. 3,012,888.
Fellowes, John E., to Bankers Box Co. Closure means for storage box. 2,977,037, 3–28–61, Cl. 229—47.
Fellows, Charles G.: *See*—
Spracklen, Stanford B., Campbell, and Fellows. 3,005,758.
Fellows, Edwin J.: *See*—
Cook, Leonard, and Fellows. 2,974,148.
Fellows Gear Shaper Co., The: *See*—
Nitschke, Robert C. 3,007,374.
Fellows, Harrison E. Foundry mold and flask handling apparatus. 2,985,926, 5–30–61, Cl. 22—20.
Fellows, Horace, and R. E. A. Head, to J. Faure-Herman. Frequency dividing circuits. 3,006,547, 10–31–61, Cl. 235—151.
Fellows, Leonard F., to McCann-Erickson Inc. Animated display device. 3,008,255, 11–14–61, Cl. 40—106.41.
Felmet, Frederick W., ½ to R. H. King. Punching element holding and removing means. 2,974,966, 3–14–61, Cl. 279—83.
Felmet, Frederick W., ½ to R. H. King. Tool holding means. 2,974,967, 3–14–61, Cl. 279—89.
Felsch, Hans J., and R. F. Pray, Jr., to Western Machinery Co. Float discharge device for rotatable type heavy-media separators. 3,011,637, 12–5–61, Cl. 209—172.5.
Felske, Albert: *See*—
Schinke, James W., and Felske. 2,979,852.
Felstein, Milton. Drafting implement for plotting spherical figures. 2,993,277, 7–25–61, Cl. 33—1.
Feltes, Emil: *See*—
Tiess, Gustav, Norres, and Feltes. 3,003,231.
Feltham, Charles F., Jr.: *See*—
Schwartz, Everett R., and Feltham. 2,972,143.
Felton, Ruth B., and T. S. Fitzgerald, to United States of America, Army. Combined cartridge case retainer and extractor. 2,982,182, 5–2–61, Cl. 89—33.
Felton, W. Sidney: *See*—
Tancred, William L. 3,010,646.
Felton, William, ½ to David Crabtree & Son Ltd. Apparatus for making tufted fabric. 2,987,019, 6–6–61, Cl. 112—79.
Felts, Basil B. Retractable mirror for automotive vehicles. 3,000,264, 9–19–61, Cl. 88—93.
Felts, Gordon P., to Microdot Inc. Printed circuit connector. 3,012,307, 12–12–61, Cl. 29—155.55.
Felts, Philip T. Hairline cutter. 2,969,592, 1–31–61, Cl. 30—206.
Feltus, H. James, to Goulds Pumps, Inc. Liquid ring pump. 3,007,417, 11–7–61, Cl. 103—96.
Femco, Inc.: *See*—
Place, Willard P. 2,991,397.
Femmer, Max E., J. J. Sochor, A. A. Kusnick, G. F. Nielsen, and T. L. Vinson, to International Business Machines Corp. File maintenance machine. 2,974,306, 3–7–61, Cl. 340—172.5.
Fendall Co.: *See*—
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Amundsen, Paul, and Liautaud. 3,001,200.
Fender, Clarence L. Electromagnetic pickup for lute-type musical instrument. 2,968,204, 1–17–61, Cl. 84—1.16.
Fender, Clarence L. Floating tremolo and bridge construction for lute-type musical instruments. 2,972,923, 2–28–61, Cl. 84—313.
Fender, Clarence L. Apparatus for producing tremolo effects. 2,973,681, 3–7–61, Cl. 84—1.25.
Fender, Clarence L. String tension controlling means for lute-type instrument. 2,973,682, 3–7–61, Cl. 84—312.
Fender, Clarence L. Electromagnetic pickup for lute-type musical instrument. 2,976,755, 3–28–61, Cl. 84—1.16.
Fender, Clarence L. Electric violin, and electromagnetic pick-up therefor. 3,003,382, 10–10–61, Cl. 84—1.16.
Fender, Clarence L. Electric guitar incorporating removable pedal-mounting means. 3,009,378, 11–21–61, Cl. 84—267.
Fender, Keith L., P. E. Renshaw, and M. R. Dilling, to Tally Register Corp. Tape printing and punching machine. 2,993,642, 7–25–61, Cl. 234—37.
Fendler, Robert W. Plaster scraping device. 2,983,943, 5–16–61, Cl. 15—236.
Fenestra, Inc.: *See*—
Gillett, William, Kelly, and Sechler. 3,001,245.
Fenn, Arthur G., and R. J. Hunt. Pressure fluid systems. 2,981,110, 4–25–61, Cl. 73—389.
Fenn, John B.: *See*—
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Fenn, John B., to Aero Chem Research Laboratories, Inc. Electric discharge jet stream. 3,005,762, 10–24–61, Cl. 204—164.
Fennell, Charles H. Staple remover for strapping or the like. 2,976,016, 3–21–61, Cl. 254—25.
Fennema, Richard: *See*—
Doelger, John P., and Fennema. 2,975,800.
Fennema, Richard, to Crane Co. Position indicating stem cap. 2,966,923, 1–3–61, Cl. 137—270.
Fennema, Richard, to Crane Co. Backseating construction. 3,003,744, 10–10–61, Cl. 251—330.
Fenner, J. H., & Co. Ltd.: *See*—
Hall, Thomas. 2,973,633.
Fenner, Robert M.: *See*—
McCuston, Robert E., and Fenner. 2,987,261.
Fenon, Henri F., to Societe AGRAF. Stapling machines. 2,968,040, 1–17–61, Cl. 1—3.
Fenske, Merrell R.: *See*—
Jones, Jennings H., and Fenske. 2,989,563.
Fenske, Merrell R., to Esso Research and Engineering Co. Fuel composition for diesel engines. 3,002,827, 10–3–61, Cl. 44—57.
Fenske, Merrell R., and J. H. Jones, to Esso Research and Engineering Co. Vapor phase catalytic conversion processes. 2,967,878, 1–10–61, Cl. 260—451.
Fenske, Merrell R., and J. H. Jones, to Esso Research and Engineering Co. High temperature oxidation. 3,006,944, 10–31–61, Cl. 260—451.
Fentiman, Arthur E., to C. F., A. E. and H. G. Fentiman, trading as Triodetic Structures. Wall construction. 2,976,968, 3–28–61, Cl. 189—34.
Fentiman, Clarence F.: *See*—
Fentiman, Arthur E. 2,976,968.
Fentiman, Harold G.: *See*—
Fentiman, Arthur E. 2,976,968.
Fenton, Aaron J. Lowering device applicable to automobile springs. 2,991,066, 7–4–61, Cl. 267—60.
Fenton, Aaron J. Lowering device applicable to automobile springs. 3,014,713, 12–26–61, Cl. 267—60.
Fenton, Alvin P. Charge forming device. 2,994,517, 8–1–61, Cl. 261—62.
Fenton, Frank W., to Beacon Production Equipment Corp. Compression device. 3,000,295, 9–19–61, Cl. 100—214.
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Yermish, Israel J. 2,967,355.
Fequilite S.R.L.: *See*—
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Feraud, Roger: *See*—
Eggers, Gerhard, Ernst, Feraud, and Dumez. 2,974,488.
Ferchland, Harold W., to General Motors Corp. Magnetic chuck. 2,972,485, 2–21–61, Cl. 279—1.
Ferdig, Earl W., to G. F. McMurray. Ball bearing roller. 2,995,405, 8–8–61, Cl. 308—190.
Ferencl, Lester. Mailbox signal. 3,013,715, 12–19–61, Cl. 232—35.
Ferens, Marcella. Hair curlers. 2,972,994, 2–28–61, Cl. 132—40.
Fergason, Rector C., to Allis-Chalmers Mfg. Co. Cotton spindle driving assembly. 2,968,904, 1–24–61, Cl. 56—42.
Fergason, Rector C., to Allis-Chalmers Mfg. Co. Moisture distributor. 3,001,544, 9–26–61, Cl. 137—262.
Ferguson, Benjamin E., and R. Orben, to United States of America, Navy. Protective garment. 2,994,089, 8–1–61, Cl. 2—81.
Ferguson, Carl S., to A. E. Staley Mfg. Co. Pressurizable dispenser. 2,973,885, 3–7–61, Cl. 222—399.
Ferguson, Carl S. Refrigerant composition. 2,979,463, 4–11–61, Cl. 252—70.
Ferguson, Daisy B. Belt purse for shoppers. 2,982,412, 5–9–61, Cl. 224—26.
Ferguson, Daniel C., to Western Newell Mfg. Co. Drapery hook. 3,003,209, 10–10–61, Cl. 24—84.
Ferguson, Edgar A., Jr. Brominated mustard and method of preparing the same. 3,007,799, 11–7–61, Cl. 99—140.
Ferguson, Harold M., to The General Electric Co. Ltd. Angle of approach indicators for aircraft landings. 3,012,224, 12–5–61, Cl. 340—26.
Ferguson, Harold M., and W. R. Stevens, to The General Electric Co. Ltd. Visual position-indicating arrangements. 2,968,023, 1–10–61, Cl. 340—26.
Ferguson, Harold M., W. R. Stevens, and A. J. A. Sagar, to The General Electric Co. Ltd. Visual position-indicating arrangements. 2,975,400, 3–14–61, Cl. 340—26.
Ferguson, Harry C., and J. E. Brussock, to Blackhawk Mfg. Co. Straightening tool. 2,979,102, 4–11–61, Cl. 153—39.
Ferguson, Harry R., to Thiokol Chemical Corp. Propellant and gas producing compositions of elastic gels containing inorganic oxidizing salts. 2,991,166, 7–4–61, Cl. 52—.5.
Ferguson, Henry A., to Deere & Co. Selective dual power take-off. 2,975,643, 3–21–61, Cl. 74—15.2.
Ferguson, Henry J. Electric heating furnace. 2,971,076, 2–7–61, Cl. 219—39.
Ferguson, Hugh J., and D. B. Moritz, to Waco-Porter Corp. Shore attachment combination. 2,988,318, 6–13–61, Cl. 248—354.
Ferguson, Hugo S., to Duffers Associates, Inc. Temperature control system. 3,012,126, 12–5–61, Cl. 219—20.
Ferguson, James F., to Westinghouse Air Brake Co. Apparatus for inhibiting spin of railway locomotive wheels during propulsion. 2,994,564, 8–1–61, Cl. 303—2.
Ferguson, James J. Valve. 2,997,050, 8–22–61, Cl. 137—63.
Ferguson, James K. W.: *See*—
De Grunigen, Alfred C., and Ferguson. 2,998,350.
Ferguson, James M. Method of, and apparatus for, manufacturing pipe bends. 2,976,908, 3–28–61, Cl. 153—32.
Ferguson, James S.: *See*—
Bashore, Max C., and Ferguson. 3,004,455.

Ferguson, Joe S.: *See*—
Pierce, Russell F., and Ferguson. 2,995,990.
Ferguson, John G., to Bell Telephone Laboratories, Inc. Magnetic field gradiometer. 2,996,663, 8–15–61, Cl. 324—43.
Ferguson, John H., Jr., to The Bendix Corp. Safety device for starter turbine. 2,987,296, 6–6–61, Cl. 253—59.
Ferguson, John H., Jr., to The Bendix Corp. Combustion starter having torque sensing control. 2,999,356, 9–12–61, Cl. 60—39.14.
Ferguson, John H., Jr., and D. J. Bunger, to The Bendix Corp. Turbine wheel containment. 3,003,745, 10–10–61, Cl. 253—77.
Ferguson, Kenneth W. Planter light. 2,967,297, 1–3–61, Cl. 340—239.
Ferguson, Leslie W. Special catfish hook. 3,002,310, 10–3–61, Cl. 43—37.
Ferguson, Lester R., to Kennedy Van Saun Mfg. & Eng. Corp. Shear pin drive for gyratory crushers. 3,000,577, 9–19–61, Cl. 241—32.
Ferguson, Paul R. Vertically-adjustable door-pivot arrangement. 2,987,755, 6–13–61, Cl. 16—151.
Ferguson, R. C.: *See*—
Howard, William C. 3,008,531.
Ferguson Radio Corp. Ltd.: *See*—
Rozner, Felix, Oakes, and Corney. 2,982,921.
Ferguson, Ralph M., to United States of America, Air Force. Disintegrating test ammunition. 2,986,091, 5–30–61, Cl. 102—92.5.
Ferguson, Ralph M., to United States of America, Air Force. Disintegrating ammunition for machine gun and cannon. 2,991,718, 7–11–61, Cl. 102—91.
Ferguson, Raymond W.: *See*—
Breedon, David B., Carleton, and Ferguson. 2,979,652.
Ferguson, Richard: *See*—
Hoyle, Gettys D., Jr., and Ferguson. 2,991,477.
Ferguson, Richard, to The Terrell Machine Co. Joint nailing mechanism. 2,987,724, 6–13–61, Cl. 1—46.
Ferguson, Richard D. Swab penetration recorder. 3,013,856, 12–19–61, Cl. 346—33.
Ferguson, Ronald W., E. M. Low, and P. J. Thut, to Burroughs Corp. Data-marking machine. 2,996,979, 8–22–61, Cl. 101—96.
Ferguson, Victor R.: *See*—
Maurer, John A., Ferguson, and Taylor. 2,985,226.
Ferguson, Warren T., and W. Emerson. Fishing lures. 2,983,065, 5–9–61, Cl. 43—42.09.
Ferguson, William F., to Motorola, Inc. Voltage measuring system. 3,010,068, 11–21–61, Cl. 324—133.
Ferguson, William R.: *See*—
Brumfield, Richard S., and Ferguson. 2,980,110.
Ferla, Irma: *See*—
Ferla, John. 3,006,402.
Ferla, John. 3,006,410.
Ferla, John, deceased; I. Ferla, executrix. Apparatus for forming glass reinforced plastic pipe. 3,006,402, 10–31–61, Cl. 154—1.8.
Ferla, John, deceased; I. Ferla, executrix. Machines for producing reinforced plastic pipes. 3,006,410, 10–31–61, Cl. 162—284.
Ferlanti, Vincent P.: *See*—
Bonito, Vincent, and Ferlanti. 2,968,096.
Ferm, Glenn O., W. R. Smith, and R. F. Albrighton, to General Railway Signal Co. Switch and signal control system for railroads. 2,967,232, 1–3–61, Cl. 246—5.
Ferm, Richard L., to California Research Corp. Emulsifiable lubricant compositions. 2,975,132, 3–14–61, Cl. 252—33.3.
Ferm, Richard L., to California Research Corp. Lubricating oil compositions. 3,014,866, 12–26–61, Cl. 252—33.
Ferm, Richard L., and A. D. Abbott, to California Research Corp. Lubricating oil composition. 2,977,304, 3–28–61, Cl. 252—32.7.
Fermco Laboratories, Inc.: *See*—
Scott, Don. 3,006,815.
Fermi, Enrico, and H. L. Anderson, to United States of America, Atomic Energy Commission. Method of testing thermal neutron fissionable material for purity. 2,969,307, 1–24–61, Cl. 204—154.2.
Fermier, Rex M. A., to Lovejoy Flexible Coupling Co. Flexible coupling. 2,996,900, 8–22–61, Cl. 64—14.
Fernald, Lyle R., and C. E. Hodson. Multiple-blade food cutter. 2,986,815, 6–6–61, Cl. 30—304.
Fernandes, Charles L., to The Rail-Trailer Co. Protective devices for doors of shipping containers. 3,000,666, 9–19–61, Cl. 296—106.
Fernandez, John M.: *See*—
Suller, William J., and Fernandez. 2,970,679.
Fernandez, Manuel C., 50% to C. C. Goetz. System of continuous radiolocation for aircraft. 3,009,147, 11–14–61, Cl. 343—112.
Fernbach, Erwin A., to Transitronics Ltd. Transistorized oscillatory system. 2,981,865, 4–25–61, Cl. 315—206.
Fernberg, Eric B., to F.T. Products Ltd. Fasteners. 2,966,711, 1–3–61, Cl. 24—73.
Fernberg, Eric B., to F.T. Products Ltd. Fastener. 3,003,215, 10–10–61, Cl. 24—259.
Fernelius, Arthur L. Camera support. 3,002,663, 10–3–61, Cl. 224—25.
Fernhof, Sven. Method of manufacturing porous ceramic products. 2,996,389, 8–15–61, Cl. 106—41.
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Diczfalusy, Egon R., Ferno, Fex, and Hogberg. 2,970,153.
Fernö, Ove B., H. J. Fex, T. O. E. Linderot, E. T. Rosenberg, and K. B. Högberg, to Aktiebolaget Leo. Anti-enzymatic substances. 3,008,951, 11–14–61, Cl. 260—206.
Fernsler, George L., to Radio Corp. of America. Automatic alignment system. 2,978,655, 4–4–61, Cl. 333—17.
Fernstrom, George A., to E. I. du Pont de Nemours and Co. Process and apparatus for quenching and steam-conditioning yarn. 2,982,994, 5–9–61, Cl. 18—8.
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Zschau, Horst. 3,005,047.
Feroleto, Domimick, to Standard Electric Time Co. Cam. 3,004,449, 10–17–61, Cl. 74—567.
Ferolito, John. Protective covering for bed inserts. 2,982,976, 5–9–61, Cl. 5—335.
Ferracute Machine Co.: *See*—
Carter, Horace J. 3,000,478.
Ferraguti, Luigi. Circular stocking machine and method for obtaining draw-stitch patterns thereon. 2,987,898, 6–13–61, Cl. 66—14.
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Ferrara, James A., and Ferrante. 2,966,839.
Ferranti, Albino. Hydraulic shearing machines, particularly for bars. 2,982,164, 5–2–61, Cl. 83—635.
Ferranti, Ltd.: *See*—
Aitken, George L. 3,001,034.
Brown, Kenneth R., and Dawson. 2,990,527.
Burn, Kenneth C. 2,975,326.
Irvine, John A., and Rendall. 2,975,329.
Pitches, Brian E., and Crawford. 3,001,127.
Robinson, James E. L. 3,007,124.
Scarrott, Gordon G. 2,985,366.
Scarrott, Gordon G. 3,011,136.
Williamson, David T. N., and Walker. 2,983,872.
Williamson, David T. N., and Walker. 3,008,013.
Williamson, David T. N., and Walker. 3,008,014.
Ferranti-Packard Electric Ltd.: *See*—
Flumerfelt, John W. 2,972,724.
Ferrar, Robert C., to International Telephone and Telegraph Corp. Modulation system. 3,007,120, 10–31–61, Cl. 332—51.
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Gercke, Ferdinand, Hubbard, and Ferrara. 2,974,361.
Ferrara, James A., and V. J. Ferrante. Basting device. 2,966,839, 1–3–61, Cl. 99—346.
Ferrara, John M., and J. E. Ryder, to Nalco Chemical Co. Treatment of petroleum products. 3,013,963, 12–19–61, Cl. 208—288.
Ferrara, John M., and J. E. Ryder, to Nalco Chemical Co. Treatment of petroleum products. 3,013,964, 12–19–61, Cl. 208—288.
Ferrara, John M., and J. E. Ryder, to Nalco Chemical Co. Treatment of petroleum products. 3,013,965, 12–19–61, Cl. 208—288.
Ferrara, Joseph R., and D. C. Glazier, Sr., to United Aircraft Corp. Snap ring assembly. 2,968,503, 1–17–61, Cl. 287—52.
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Pessl, Fred, Ferrara, and Farlee. 3,013,837.
Ferrari, Alfredo, and A. Gasser, to Contina Bureau- und Rechenmaschinenfabrik Aktiengesellschaft. Lens, particularly replaceable lens for reflex cameras. 2,969,008, 1–24–61, Cl. 95—64.
Ferrari, Andres, Jr.: *See*—
Whitehead, Edwin C., and Ferrari. 2,976,761.
Whitehead, Edwin C., Ferrari, and Isreeli. 3,010,798.
Whitehead, Edwin C., Ferrari, and Isreeli. 3,010,800.
Ferrari, Andres, Jr., to Technicon Instruments Corp. Flow cell for colorimetry of a fluid. 2,983,184, 5–9–61, Cl. 88—14.
Ferrari, Andres, Jr., to Technicon Instruments Corp. Method of performing biological assays. 3,014,848, 12–26–61, Cl. 195—103.5.
Ferrari, Carlo: *See*—
De Ruggieri, Pietro, and Ferrari. 2,983,735.
De Ruggieri, Pietro, and Ferrari. 2,996,502.
Ferrari, Charles G., to J. R. Short Milling Co. Method of preparing bread. 2,970,915, 2–7–61, Cl. 99—90.
Ferrari, Charles G., to J. R. Short Milling Co. Continuous bread making methods. 2,971,845, 2–14–61, Cl. 99—90.
Ferrari, Charles G., to J. R. Short Milling Co. Methods for producing baked goods. 2,978,330, 4–4–61, Cl. 99—90.
Ferrari, Charles G., to J. R. Short Milling Co. Bread improver compositions and methods for preparing the same. 2,978,331, 4–4–61, Cl. 99—91.
Ferrari, Charles G., to J. R. Short Milling Co. Bread improver compositions and methods for preparing the same. 2,978,332, 4–4–61, Cl. 99—91.
Ferrari, Charles G., to J. R. Short Milling Co. Bread improver compositions. 2,992,111, 7–11–61, Cl. 99—91.
Ferrari, Charles G., to J. R. Short Milling Co. Continuous bread making processes with protein additive. 3,006,765, 10–31–61, Cl. 99—90.
Ferrari, Charles G., and K. Higashinchi, to J. R. Short Milling Co. Methods for preparing baked goods. 2,992,922, 7–18–61, Cl. 99—91.
Ferrari, Charles G., and K. Higashiuchi, to J. R. Short Milling Co. Methods for oxidatively treating flour. 2,992,923, 7–18–61, Cl. 99—91.
Ferrari, John R. Shoe buffing machine. 3,010,130, 11–28–61, Cl. 15—36.
Ferrari, Uby: *See*—
Gray, Cloyd E., Sherman, Fox, Ferrari, and Bibb. 2,977,914.

Ferraris, John T., to Electrolux Corp. Pneumatic mechanism for rendering a vacuum cleaner inoperative if no bag is in place. 2,988,167, 6–13–61, Cl. 183—43.
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Ferreira, Anthony: *See*—
Ferreira, Charles E. and A. 2,986,199.
Ferreira, Anthony and C. E., to Transportation Sash Co., Inc. Escape sash release mechanism. 3,010,549, 11–28–61, Cl. 189—64.
Ferreira, Charles E.: *See*—
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Ferreira, Charles E. and A., to General Seating Co. Adjustable vehicle seat suspension. 2,986,199, 5–30–61, Cl. 155—9.
Ferreira, Joseph J., to Joseph F. Corcoran Shoe Co., Inc. Shoe of convertible type. 2,995,837, 8–15–61, Cl. 36—2.5.
Ferrell, Donald. Power horn. 3,000,344, 9–19–61, Cl. 116—112.
Ferrell, Tom F. Agricultural heater to protect crops from frost. 2,966,763, 1–3–61, Cl. 47—2.
Ferrell, Wesley, M. W. Olson, and I. D. Dobbs, to United States Rubber Co. Plastic coated fabric and method of making same. 2,994,940, 8–8–61, Cl. 28—74.
Ferreri, Thomas J. Magnetic holding device for gasoline tank closure caps and the like. 2,982,318, 5–2–61, Cl. 141—392.
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Libby, Paul A., Ferri, and Bloom. 3,005,338.
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Ferri, Antonio, to Curtiss-Wright Corp. Leaky-type exhaust nozzle for jet propulsion devices. 2,986,002, 5–30–61, Cl. 60—35.6.
Ferri, Antonio, to Curtiss-Wright Corp. Engine for supersonic flight. 2,989,843, 6–27–61, Cl. 60—35.6.
Ferri, Antonio, to Curtiss-Wright Corp. Scoop-type supersonic inlet with precompression surface. 2,990,142, 6–27–61, Cl. 244—53.
Ferri, Antonio, to Gruen Applied Science Laboratories, Inc. Apparatus for cooling of supersonic aircraft. 3,005,607, 10–24–61, Cl. 244—117.
Ferri, Antonio, and G. Patron, to Sicedison S.p.A. Method of stabilizing trichloroethylene and stabilizing composition therefor. 2,981,760, 4–25–61, Cl. 260—652.5.
Ferri, Antonio, P. A. Libby, and M. H. Bloom, to United States of America, Air Force. Forced-convection heater. 2,970,202, 1–31–61, Cl. 219—39.
Ferrigno, Thomas H., to Minerals & Chemicals Philipp Corp. Thickened compositions and method of making the same. 2,975,071, 3–14–61, Cl. 106—260.
Ferris, Arthur F.: *See*—
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Ferris, Arthur F., and H. K. Latourette, to Food Machinery and Chemical Corp. Preparation of amino acids. 2,999,875, 9–12–61, Cl. 260—465.4.
Ferris, Arthur L., to International Business Machines Corp. Full adder. 2,998,918, 9–5–61, Cl. 235—176.
Ferris, Burton C., and M. E. Pond, to Kelsey-Hayes Co. Cope close-up mechanism. 2,969,567, 1–31–61, Cl. 22—31.
Ferris, Cyrus Y., Jr., to Rock of Ages Corp. Outdoor bowling alley. 2,992,001, 7–11–61, Cl. 273—51.
Ferris, David R., to Kysor Heater Co. Air conditioning unit for motor vehicles. 2,977,774, 4–4–61, Cl. 62—212.
Ferris, David R., to Kysor Heater Co. Thermostatically actuated valve for regulating vacuum connections. 3,006,552, 10–31–61, Cl. 236—35.3.
Ferris, Ernest A., to Borg-Warner Corp. One-way clutch. 2,973,072, 2–28–61, Cl. 192—45.1.
Ferris, Ernest A., and R. J. Curran, to Borg-Warner Corp. Roller clutch. 3,011,606, 12–5–61, Cl. 192—45.
Ferris, Howard J. and R. G., and R. L. Yuenger, to Starline, Inc. Endless wheeled link chain conveyor. 3,006,456, 10–31–61, Cl. 198—177.
Ferris, James A. Temporary enclosure. 3,003,507, 10–10–61, Cl. 135—1.
Ferris, James J., and J. L. Hope, to Magnetic Engineering & Mfg. Co. Improved self cleaning magnetic separator. 2,987,184, 6–6–61, Cl. 209—223.
Ferris, John P. Spring tooth assembly for power driven lawn rakes. 2,987,866, 6–13–61, Cl. 56—27.
Ferris, John P. Power driven lawn rake. 2,998,690, 9–5–61, Cl. 56—27.
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Ferris, Howard J., Ferris, and Yuenger. 3,006,456.
Van Allen, James A., and Ferris. 2,996,008.
Ferris, Robert G., to Starline, Inc. Bolt-hung track. 2,983,947, 5–16–61, Cl. 16—94.
Ferris, Robert G., to Starline, Inc. Track suspended multiple panel door. 3,003,551, 10–10–61, Cl. 160—196.
Ferris, Robert M., and D. C. Miller, to Kearney & Trecker Corp. Quill actuating and clamping mechanism. 3,003,472, 10–10–61, Cl. 121—40.
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Bryant, Eugene E., and Reiff. 2,975,072.
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,940.
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,941.
Gustad, Louis Jr., Hughes, and Gillon. 3,014,260.
Kelly, William D. 2,994,758.
Nicholson, Albright M., Jr., and Zaremsky. 2,971,968.
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Pickles, Joseph. 2,978,268.
Pickles, Joseph. 2,980,163.
Pickles, Joseph. 2,999,683.
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Paquin, Real. 2,980,985.
Ferry, Chamberlain, to The Stanley Works. Hinge having pintle retaining means. 3,013,297, 12–19–61, Cl. 16—169.
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Ferry, Richard P., and F. N. Woodhouse, to Eastman Kodak Co. Indicating mechanism for photographic cameras. 3,013,480, 12–19–61, Cl. 95—10.
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Albert, Donald J., and Ferry. 2,986,967.
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Ferstandig, Louis L., and P. S. Magee, to California Research Corp. Elastomers. 2,987,502, 6–6–61, Cl. 260—63.
Fertig, Francis E., to The Coleman Co., Inc. Space heater. 2,982,282, 5–2–61, Cl. 126—110.
Fertig, Francis E., to The Coleman Co., Inc. Wall heater and rear outlet assembly therefor. 2,982,283, 5–2–61, Cl. 126—116.
Ferwerda, Ray. Telescopic-boom-operated digging bucket. 2,984,372, 5–16–61, Cl. 214—138.
Feryszka, Max S., to Radio Corp. of America. Transmitter. 3,002,161, 9–26–61, Cl. 332—45.
Fesmire, Herbert R., to Standard Pressed Steel Co. Socket set screw knurled tip. 2,992,669, 7–18–61, Cl. 151—70.
Fessel, Paul. Abrading cutters and methods for their fabrication. 3,009,456, 11–21–61, Cl. 125—15.
Fessenden, George R., to C. C. Sieck. Method and composition for preserving foliage. 2,978,348, 4–4–61, Cl. 117—3.
Fessler, William A., C. A. Hutter, J. G. Schafer, and G. O. Stricker, to Daubert Chemical Co. Transparent heat-sealable sheets carrying volatile antioxidant and food package made therefrom. 2,991,193, 7–4–61, Cl. 117—68.
Fester, Amos M. Doughnut machine. 2,982,233, 5–2–61, Cl. 107—14.
Fetscher, Charles A., and S. Lipowski, to Nopco Chemical Co. Synthetic tanning agents and a process for producing same. 2,990,397, 6–27–61, Cl. 260—69.
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Honisek, George E., Fette, and Pochinsky. 3,013,702.
Fetter, Helen A. Holder on upright support of detachable rotatable trays. 2,970,701, 2–7–61, Cl. 211—78.
Fetter, Marion C.: *See*—
Free, Alfred H., and Fetter. 2,987,174.
Fetterly, Lloyd C., to Shell Oil Co. Catalytic process for the production of diarylmethanes. 2,981,765, 4–25–61, Cl. 260—668.
Fetters, Sylvester D.: *See*—
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Fettig, Arthur J., D. M. Jenks, C. Lasdine, E. P. Maidment, and B. A. Runde, to Burroughs Corp. Document sorting apparatus. 2,981,421, 4–25–61, Cl. 241—11.
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Fetz, Alfred. Welding organization. 2,975,264, 3–14–61, Cl. 219—89.
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Wilke, Werner, and Fetzer. 2,972,221.
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Roberts, Sidney G., Fetzer, and Hess. 2,967,351.
Fetzer, Maurice C., J. D. Sprowl, and S. L. Channon, to Kaiser Aluminum & Chemical Corp. Metallurgy. 2,985,530, 5–23–61, Cl. 75—146.
Feucht, Jacob E., to Westinghouse Air Brake Co. Automatically operable rock drill dust collector. 2,975,847, 3–21–61, Cl. 175—170.
Feuchtbaum, Robert B., to Freed Transformer Co., Inc. Coated electrical structure. 2,996,693, 8–15–61, Cl. 336—96.
Feuchtbaum, Robert B., and D. L. Hinson, to Freed Transformer Co., Inc. Curing of epoxide resins. 2,988,535, 6–13–61, Cl. 260—47.
Feuer, Henry, and W. A. Swarts, to Purdue Research Foundation. N-nitro-N-trinitroalkylamino alcohols and derivatives thereof. 2,981,750, 4–25–61, Cl. 260—467.
Feuer, Henry, and W. A. Swarts. N-nitro-N-trinitroalkylamine alcohols and derivatives thereof. 2,987,549, 6–6–61, Cl. 260—584.
Feuer, Henry, and G. Leston, to Purdue Research Foundation. Polynitro compounds. 2,990,411, 6–27–61, Cl. 260—349.
Feuer, Henry, and E. H. White, to Purdue Research Foundation. Trinitroethylsuccinic acid and derivatives thereof. 2,999,099, 9–5–61, Cl. 260—346.8.
Feuer, Henry, H. Rubinstein, and A. T. Nielsen, to Purdue Research Foundation Preparation of isocyanates. 3,002,013, 9–26–61, Cl. 260—453.
Feuer, Henry, and R. Miller, to Purdue Research Foundation. Preparation of bicyclic nitro compounds. 3,006,971, 10–31–61, Cl. 260—644.
Feuer, Henry, and C. R. Koller, to Purdue Research Foundation. N-trinitroalkyl-N-nitroaminoalkyl acids and derivatives thereof. 3,007,960, 11–7–61, Cl. 260—482.
Feuerhelm, Willard P.: *See*—
Apple, Leroy M., and Feuerhelm. 3,011,249.
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Feustel, Klaus, F. Johswich, and H. Stratmann, to Reinluft G.m.b.H. Process for producing activated charcoal. 2,977,325, 3–28–61, Cl. 252—445.
Feustel, Klaus, F. Johswich, and H. Stratmann, to Reinluft G.m.b.H. Process for removing sulfur oxides from gases. 2,992,065, 7–11–61, Cl. 23—2.

Feustel, Klaus, F. Johswich, and H. Stratmann, to Firma Reinluft Gesellschaft G.m.b.H. Process for recovering oxides of nitrogen and sulfur from gaseous mixtures. 2,992,895, 7–18–61, Cl. 23—161.
Feustel, George H., and J. R. Tinsman, to The Pyle-National Co. Pressure terminals for electrical connectors. 3,008,-117, 11–7–61, Cl. 339—95.
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Fex, Hans J.: *See*—
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Fernö, Ove B., Fex, Linderot, Rosenberg, and Högberg. 3,008,951.
Fiala, Ernst J. H., to Daimler-Benz Aktiengesellschaft. Suspension mechanism for vehicles. 3,005,641, 10–24–61, Cl. 280—104.
Fiala, Ernst J. H., to Daimler-Benz Aktiengesellschaft. Shock absorbing system for a vehicle. 3,008,728, 11–14–61, Cl. 280—104.
Fiala, Ernst J. H., to Daimler-Benz Aktiengesellschaft. Lid covering a recess provided in the body of a motor vehicle and containing a filling opening of the fuel tank. 3,008,754, 11–14–61, Cl. 296—1.
Fiala, Walter. Electroacoustic transducer. 3,014,099, 12–19–61, Cl. 179—115.5.
Fialkoff, Samuel, to Camin Laboratories, Inc. Selective signaling system. 2,976,526, 3–21–61, Cl. 340—322.
Fiat Societa per Azioni: *See*—
Baldwin, Philip S. 2,991,797.
Baldwin, Philip S. 3,007,314.
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Giacosa, Dante. 3,014,643.
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Klein, Joseph J. 3,005,516.
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Fiber Controls Corp.: *See*—
Lytton, Kenneth G., and Wise. 3,010,160.
Fibercraft Products, Inc.: *See*—
Miller, Paul C., Jr. 2,986,487.
Fibikar, Robert J., to Gisholt Machine Co. Balance testing machine monitor. 2,986,920, 6–6–61, Cl. 73—1.
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Edlund, Melvin C. 2,970,932.
Pellaton, Ernest C. 2,968,431.
Pellaton, Ernest C., and Klapperich. 2,979,247.
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Binder, Richard. 2,985,273.
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Binder, Richard. 3,006,449.
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Von Bomhard, Franz J. 2,982,383.
Fichter, Ludwig J., to Oak Mfg. Co. Change speed gearing. 2,979,969, 4–18–61, Cl. 74—750.
Fichtner, James O., to Worthington Corp. Electric humidifier. 2,993,107, 7–18–61, Cl. 219—38.
Ficker, Charles L., and W. I. Hanrahan, to United States Steel Corp. Shipping drum. 2,997,197, 8–22–61, Cl. 220—1.
Fickert, Hanns: *See*—
Piesker, Richard. 2,979,089.
Ficuciaire, Consilia: *See*—
Raehs, Wilhelm. 3,009,602.
Fiddler, Theodore E. Spring biased attaching clip. 3,012,-234, 12–5–61, Cl. 24—73.
Fidelity Electric Co., Inc.: *See*—
Thompson, Louis W. 2,990,508.
Fidelity Union Trust Co.: *See*—
Gutzwiller, Ernst, and Schoenauer. 3,005,833.
Keller, Robert C. 2,989,471.
Maderni, Piero, and Ruckstuhl. 3,007,913.
Fidler, Delmer A.: *See*—
Clark, Sheldon L., and Fidler. 3,010,783.
Fiduccia, Anthony. Work holding attachment for knitted material sizing machine. 2,990,984, 7–4–61, Cl. 223—69.
Fieber, Walter F.: *See*—
Burrows, Milford D., and Fieber. 2,975,839.
Burrows, Milford D., and Fieber. 2,997,890.
Fiechter, Rene A. Automatic self-winding watch. 3,006,-138, 10–31–61, Cl. 58—82.
Fiedler, Martin, G. Korab, and H. Krause, to Chicago Forging and Mfg. Co. Hinge for automobile hood. 3,009,192, 11–21–61, Cl. 16—128.1.
Fiedler, Stuart O., J. A. Bjorksten, and W. S. Fiedler, to Lor Corp. Method of foaming granulated metal. 2,974,-034, 3–7–61, Cl. 75—20.
Fiedler, Stuart O., J. Bjorksten, and W. S. Fiedler, to Lor Corp. Foaming of granulated metal. 2,979,392, 4–11–61, Cl. 75—20.
Fiedler, Walter M.: *See*—
Brenner, Milton A., and Fiedler. 2,989,666.
Fiedler, William S.: *See*—
Fiedler, Stuart O., Bjorksten, and Fiedler. 2,974,034.
Fiedler, Stuart O., Bjorksten, and Fiedler. 2,979,392.
Fiedler, Willy A.: *See*—
Smith, E. Quimby, Jr., and Fiedler. 3,014,426.
Fiedler, Willy A., E. M. Kane, and F. L. Haake, to United States of America, Navy. Externally mounted, jet-ignited tracking flare. 2,986,999, 6–6–61, Cl. 102—49.
Fiedrich, William G., Jr.: *See*—
Barera, Lawrence A., Fiedrich, and Le Brasse. 2,970,933.
Fiege, Martin E., to The Kent Corp. Means and method for maintaining a shelf in a cabinet. 3,012,678, 12–12–61, Cl. 211—136.
Fiel, Peter J.: *See*—
Burns, Erwin, and Fiel. 3,006,415.
Field, Andrew G., to International Standard Electric Corp. Thermionic valves. 3,013,176, 12–12–61, Cl. 313—350.
Field, Boris, to General Electric Co. Automatic gain control system for a television receiver. 2,383,787, 5–9–61, Cl. 178—7.3.
Field, Crosby, to Flakice Corp. Icemaking and congealing apparatus and method. 2,990,199, 6–27–61, Cl. 62—72.
Field, Dale H.: *See*—
Bardach, Martin, Field, Gooden, and Hood. 2,980,565.
Field, Donald E., to United States of America, Navy. Optical cement. 2,999,029, 9–5–61, Cl. 106—186.
Field, Edmund: *See*—
Brennan, Harry M., and Field. 2,971,928.
Kennel, William E., Field, Spiller, and Weisemann. 2,973,350.
Field, Edmund, M. C. Hoff, and W. Resnick, to Standard Oil Co. Catalyst removal in 1-alkene polymerization process. 3,010,948, 11–28–61, Cl. 260—88.2.
Field, Harry and J. Hanger carton. 3,003,616, 10–10–61, Cl. 206—7.
Field, Harry and J. Carton for packaging suit garments. 3,003,617, 10–10–61, Cl. 206—7.
Field, Joe: *See*—
Field, Harry and J. 3,003,616.
Field, Harry and J. 3,003,617.
Field, John E.: *See*—
Schmidt, Wilhelm G., and Field. 2,985,634.
Field, Joseph H.: *See*—
Bienstock, Daniel, and Field. 2,992,884.
Field, Leonard D. Angle measuring device. 2,975,524, 3–21–61, Cl. 33—174.
Field, Lester M., to The Board of Trustees of the Leland Stanford Junior University. Radio frequency spectrum analyzers. 2,983,839, 5–9–61, Cl. 315—3.5.
Field, Lester M., to The Board of Trustees of the Leland Stanford Junior University. Amplitude limiters for high frequency radio signals. 2,999,182, 9–5–61, Cl. 315—3.6.
Field, Osmond F., Jr.: *See*—
Storma, Edward M., Field, Hill, and Hake. 2,967,631.
Fieldcrest Mills, Inc.: *See*—
Clark, Eugene F. Re. 24,949.
Law, Marvin A. 2,997,074.
Fielden Electronics Ltd.: *See*—
Fielden, John E. 2,996,647.
Fielden, John E., to Fielden Electronics Ltd. Positioning servo-motor means. 2,996,647, 8–15–61, Cl. 318—28.
Fielders, Cecil, to Sohio Petroleum Co. Tube and rod driving device. 3,008,227, 11–14–61, Cl. 29—255.
Fieldgate, Ivan O., to Specialties, Inc. Airstream direction detector probe. 2,971,375, 2–14–61, Cl. 73—180.
Fieldhouse, Arthur B.: *See*—
Griffiths, Arthur J. H., and Fieldhouse. 2,983,632.
Fielding, Francis W., to Lengsfield Bros. Inc. Carton. 2,974,848, 3–14–61, Cl. 229—27.
Fielding, Francis W., to B. H. Lengsfield. Carton 3,014,636, 12–26–61, Cl. 229—39.
Fielding, Peter G., W. C. J. Garrard, and J. M. Norman, to Lockheed Aircraft Corp. Control means for a blowing airflow over a control surface. 2,974,904, 3–14–61, Cl. 244—42.
Fields, Bert: *See*—
Bingaman, Lester B. 3,007,694.
Fields, Charles R.: *See*—
Bedell, Karl L., and Fields. 2,998,764.
Fields, Clesent O., to Peabody Seating Co., Inc. Chair. 2,970,635, 2–7–61, Cl. 152—2.
Fields, Ellis K.: *See*—
Scanley, Clyde S., and Fields. 2,983,733.
Serres, Carl, Jr., and Fields. 2,967,187.
Fields, Ellis K., to Standard Oil Co. Oleaginous compositions containing thiophosphoryl derivatives. 2,970,110, 1–31–61, Cl. 252—32.7.
Fields, Ellis K., to Standard Oil Co. Non-corrosive lubricant compositions. 2,971,909, 2–14–61, Cl. 252—32.7.
Fields, Ellis K., to Standard Oil Co. P-lower alkyl substituted cumyl disulfides. 2,979,531, 4–11–61, Cl. 260—608.
Fields, Ellis K., to Standard Oil Co. Rubber vulcanization acceleration. 2,983,715, 5–9–61, Cl. 260—79.5.
Fields, Ellis K., to Standard Oil Co. Rubber vulcanization acceleration. 2,983,716, 5–9–61, Cl. 260—79.5.
Fields, Ellis K., to Standard Oil Co. Rust preventive composition. 3,006,850, 10–31–61, Cl. 252—46.6.

Fields, Ellis K., and C. Serres, Jr., to Standard Oil Co. Coupling of aromatic rings. 3,006,972, 10–31–61, Cl. 260—649.

Fields, Frederick W., to The Coe Mfg. Co. Veneer feeder. 3,011,619, 12–5–61, Cl. 198—20.

Fields, Joseph E.: *See*—
Johnson, John H., and Fields. 3,000,840.
Zopf, George W., Jr., Johnson, Hedrick, Fields, and Butler. 2,977,334.

Fields, Joseph E., to Monsanto Chemical Co. Lubricating oil additive concentrate. 2,992,987, 7–18–61, Cl. 252—56.

Fields, Joseph E., and J. H. Johnson, to Monsanto Chemical Co. Drilling mud. 2,979,454, 4–11–61, Cl. 252—8.5.

Fields, Mack R. Tamper proof bottle and closure therefor. 2,990,078, 6–27–61, Cl. 215—42.

Fields, Reuben T., and C. F. W. Wolf, to E. I. du Pont de Nemours and Co. Fabrication of thermoplastic resins. 2,991,508, 7–11–61, Cl. 18—55.

Fields, Roger Q.: *See*—
Desbrandes, Robert, and Fields. 3,011,554.

Fields, Thomas L.: *See*—
Wilkinson, Raymond G., and Fields. 3,013,069.
Wilkinson, Raymond G., Fields, and Kende. 3,002,993.

Fields, Thomas L., and A. S. Kende, to American Cyanamid Co. Novel substituted 1,2,3,4,4a,9,9a,10-octahydro-4,10-dioxo-2-anthraceneacetic acids and esters thereof. 3,013,063, 12–12–61, Cl. 260—473.

Fienup, Wilbur G., and J. Erdie, Sr., to RC Can Co. Dough package. 2,975,068, 3–14–61, Cl. 99—172.

Fienup, William F. J., and J. J. Galbierz, to R. C. Can Co. Shotgun shell tube or cartridge. 2,984,182, 5–16–61, Cl. 102—42.

Fierce, William L.: *See*—
Sandner, Walter J., and Fierce. 2,978,478.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Process for the preparation of nitriles form alcohols and phenols. 2,980,725, 4–18–61, Cl. 260—465.

Fierce, William L., and W. J. Saffdner, to The Pure Oil Co. Process for the production of cyanohydrins. 2,982,779, 5–2–61, Cl. 260—465.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Process for the production of benzonitrile and phthalonitriles. 2,982,780, 5–2–61, Cl. 260—465.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Method of preparing cyanogen from hydrogen cyanide. 3,004,828, 10–17–61, Cl. 23—151.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Preparation of organophosphorus compounds from glycerol and phosphorus oxyhalides. 3,005,007, 10–17–61, Cl. 260—461.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Synthetic lubricants and their preparation. 3,012,057, 12–5–61, Cl. 260—461.

Fierce, William L., and W. J. Sandner, to The Pure Oil Co. Organophosphorus polymers. 3,013,991, 12–19–61, Cl. 260—2.

Fierke, Scheuring S.: *See*—
Jelley, Edwin E., Fierke, and Shepler. 2,992,101.

Fiero, Carl D., and C. E. Corey, to Lapp Insulator Co., Inc. Post type insulator and method of making the same. 2,986,595, 5–30–61, Cl. 174—178.

Fiess, Norman W.: *See*—
Pepper, Foster L., and Fiess. 2,990,405.

Fiess, Norman W., to American Cyanamid Co. Grit-free, spirit soluble phthalocyanines for ball point pen inks. 3,010,970, 11–28–61, Cl. 260—314.5.

Fiesta Foods Corp.: *See*—
Womer, Stanley. 2,991,735.

Fife, Irwin L., and C. W. Brown; said Brown assor. to said Fife. Pneumatic control valve for hydraulic system. 3,010,438, 11–28–61, Cl. 121—46.5.

Fife, Robert J., to S. A. Young. Tub and shower fixtures. 3,012,251, 12–12–61, Cl. 4—192.

Figaretti, Jack. Apparatus for projecting indicia in series at timed intervals. 3,003,394, 10–10–61, Cl. 88—28.

Figdor, Hans, F. Kindl, T. Maiwald, G. Schager, and F. Zecha, to North American Philips Co., Inc. Driving device intended for apparatus for recording and reproducing sound. 2,986,042, 5–30–61, Cl. 74—207.

Figge, Carroll C. Method and apparatus for maintaining insulation. 2,969,027, 1–24–61, Cl. 108—6

Figge, Frank H. J. Thermostatically controlled cigarette and method of making the same. 2,992,647, 7–18–61, Cl. 131—9.

Figueira, Joseph J., to The Liquidometer Corp. Liquid fuel measuring system for aircraft drop tanks and electrical connector usable therewith. 2,986,613, 5–30–61, Cl. 200—51.09.

Figuet, Maurice G.: *See*—
Mas, Robert J., Figuet, and Michaud. 3,009,541.

Fihe, Albert J. Folding table with lock. 2,991,139, 7–4–61, Cl. 311—92.

Fijn-Mechanische Industrie Becker's Sons N.V.: *See*—
Van der Plas, Arie. 2,995,217.
Van der Plas, Arie. 3,010,553.

Fike, Harold L., to International Minerals & Chemical Corp. Resolution of DL-glutamic acid. 2,984,684, 5–16–61, Cl. 260—534.

Fike, James F. Ladder construction. 3,014,552, 12–26–61, Cl. 182—27.

Fike, Russell R., to Borg-Warner Corp. Bronze to aluminum bond and the method of making it. 2,968,089, 1–17–61, Cl. 29—183.5.

Fike, Russell R., and A. J. Pilous, to Borg-Warner Corp. Carbon to aluminum bond. 3,010,189, 11–28–61, Cl. 29—195.

Fikentscher, Hans, H. Wilhelm, and H. Willersinn, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of unsaturated polyester resins and of copolymers therefrom. 2,973,332, 2–28–61, Cl. 260—26.

Fikentscher, Hans, and H. Wilhelm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alpha, beta-unsaturated acyl compounds. 3,002,023, 9–26–61, Cl. 260—561.

Fikentscher, Hans, and H. Wilhelm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of water-soluble copolymers of methacrylamide and N-vinylpyrrolidone. 3,006,900, 10–31–61, Cl. 260—78.

Fikse, Tyman H. Air spring assembly. 2,973,953, 3–7–61, Cl. 267—63.

Filachione, Edward M.: *See*—
Windus, Wallace, Filachione, and Happich. 2,992,879.

Filberich, Ludwig, to Siemens-Schuckertwerke Aktiengesellschaft. Ignition and excitation circuit for single-anode pool-type discharge vessels. 2,999,961, 9–12–61, Cl. 315—168.

Filbey, Emery T.: *See*—
Pircon, Ladislav J. 2,979,411.

Filer, Arthur K.: *See*—
Allison, James H., and Filer. 2,995,806.

Filger, Joseph B., and R. D. Parry; said Parry assor. to said Filger. Bubble blowing toy. 2,989,818, 6–27–61, Cl. 46—7.

Filia, George J.: *See*—
Kulbersh, Nathan, and Filia. 2,969,097.

Filinovitz, Alex: *See*—
Halgren, John A., Pinkel, and Filinovitz. 2,970,352.

Filipczak, Peter A., to Electro Tec Corp. Slip ring assembly for high voltages. 2,979,685, 4–11–61, Cl. 339—5.

Filipenco, Gregory D. Turbojet engine. 3,009,319, 11–21–61, Cl. 60—35.6.

Filipowsky, Richard F. J., to Westinghouse Electric Corp. Triple coincidence detector. 3,011,128, 11–28–61, Cl. 328—114.

Filipowsky, Richard F. J., to Westinghouse Electric Corp. Generator of pulses with sequentially increasing spacing. 3,014,181, 12–19–61, Cl. 328—55.

Filippino, Samuel R., and D. C. Rabinowitz. Automatic gravity feed water system and control. 2,989,037, 6–20–61, Cl. 122—379.

Filkins, Clarence L.: *See*—
De Good, Maynard, and Filkins. 3,010,409.

Fill, Metro, to Canada Packers Ltd. Head puller for hogs and the like. 2,994,908, 8–8–61, Cl. 17—1.

Fillebrown, Stephen M., and H. P. Guerber, to Radio Corp. of America. Sorting device. 2,985,864, 5–23–61, Cl. 340—172.5.

Fillery, Gordon T. Suction cleaning machines. 3,006,020, 10–31–61, Cl. 15—323.

Fillio, Paul E.: *See*—
Miscovich, John A. 2,976,742.
Miscovich, John A. 2,976,886.
Miscovich, John A. 2,998,199.

Filliung, Jacques J., and R. E. Campbell, to Sloan Valve Co. Flush valves. 3,008,682, 11–14–61, Cl. 251—19.

Filliung, Jacques J., and R. E. Campbell, to Sloan Valve Co. Flush valves. 3,008,683, 11–14–61, Cl. 251—30.

Fillman, Clarence V.: *See*—
Howell, Joe H., Fillman, and Gallas. 3,013,793.

Fillmore, Robert L., to Minneapolis-Honeywell Regulator Co. Servo motor control apparatus. 2,977,765, 4–4–61, Cl. 60—52.

Fillmore, William E., to Owens-Illinois Glass Co. Ball-type liquid applicators. 2,975,466, 3–21–61, Cl. 15—572.

Filper Corp.: *See*—
Anderson, Earl R. 3,010,501.
McClelland, Etheridge R. 2,969,867.
Perrelli, John. 2,975,812.
Perrelli, Joseph. 2,981,410.

Filtox S.A.: *See*—
Mazar Barnett, José. 2,968,305.
Mazar Barnett, José. 2,968,307.

Filtron Co., Inc., The: *See*—
Milton, Leonard, and Gunar. 3,015,026.

Fina, Fil L., Jr., to Capitol Equipment Inc. Steering mechanism for vehicle attached tool. 2,980,443, 4–18–61, Cl. 280—467.

Finch, Harry De V., to Shell Oil Co. Purification of alpha, beta-unsaturated aliphatic aldehydes. 2,991,233, 7–4–61, Cl. 202—57.

Finch, Harry De V., and E. A. Youngman, to Shell Oil Co. Conversion of unsaturated aldehydes to monomeric products. 2,998,447, 8–29–61, Cl. 260—486.

Finch, Walter G.: *See*—
Carritt, Dayton E., and Kanwisher. 3,000,805.

Finch, William H.: *See*—
Cathey, Carrol M., Finch, and Bechtold. 3,000,022.

Finckenor, Lawrence E.: *See*—
Gould, David H., Reimann, and Finckenor. 3,009,938.
Robinson, Cecil H., and Finckenor. 2,986,574.

Finco, Inc.: *See*—
Finley, George A., and Anderson. 2,993,551.
Finley, George A., and Spieler. 2,983,312.
Finley, George A., and Spieler. 2,983,500.

Findlay, Albert J., deceased (by E. J. Findlay, executrix), and G. C. Widdup, to Canadian Patents and Development Ltd. Time data recording apparatus. 2,971,811, 2–14–61, Cl. 346—86.

Findlay, Edith J.: *See*—
Findlay, Albert J., and Widdup. 2,971,811.

Findlay, George K. Construction of buildings. 3,004,369, 10–17–61, Cl. 50—347.

Findlay, Hugh T., to Underwood Corp. Carbon paper. 2,970,926, 2–7–61, Cl. 106—171.

Findlay, Leonard A.: *See*—
White, Glen L., and Findlay. 2,991,970.

Findlay, Lloyd E.: *See*—
Millar, John F., Harder, and Findlay. 2,991,226.

Findlay Refractories Co.: *See*—
Lambie, James M. 2,990,289.

Findlay, Robert A., to Phillips Petroleum Co. Hydrocarbon isomerization using a vaporized catalyst. 2,974,181, 3–7–61, Cl. 260—683.7.

Findlay, Robert A., to Phillips Petroleum Co. Dilution of high boiling feed in zeolitic molecular sieve. 2,975,222, 3–14–61, Cl. 260—676.

Findlay, Robert A., to Phillips Petroleum Co. Upgrading cracked gasoline. 2,982,716, 5–2–61, Cl. 208—70.

Findlay, Robert A., to Phillips Petroleum Co. Fluid separation by gas chromatography. 3,002,583, 10–3–61, Cl. 183—2.

Findley, Howard J. Apparatus for cutting material. 3,003,372, 10–10–61, Cl. 77—32.3.

Findley, Thomas W.: *See*—
Kuester, Frank E., and Findley. 2,978,463.

Findley, Thomas W., and B. H. Robin, to Swift & Co. Alkylolaminohydroxy fatty materials. 2,993,919, 7–25–61, Cl. 260—404.5.

Findley, Thomas W., J. L. Ohlson, and F. E. Kuester, to Swift & Co. Polyesters from epoxy-containing oleaginous materials and process of making same. 3,006,936, 10–31–61, Cl. 260—406.

Fine, Clarence R., to Fine Sound, Inc. Apparatus for use in producing sound motion picture films. 3,005,058, 10–17–61, Cl. 179—100.3.

Fine, Clarence R., to Perspecta Sound, Inc. Control-tone perspective sound system. 3,008,011, 11–7–61, Cl. 179—100.1.

Fine, Jerome: *See*—
Kumins, Charles A., Fine, and Chase. 2,971,458.

Fine, Joseph B., to Triangle Bag Co. Shopping bag cover. 3,006,532, 10–31–61, Cl. 229—54.

Fine, Louis L., to Advance Metal Products, Inc. Truss anchor. 3,000,145, 9–19–61, Cl. 50—466.

Fine, Samuel: *See*—
Hendee, Charles F., and Fine. 2,977,473.
Hendee, Charles F., and Fine. 2,990,491.

Fine, Samuel, and C. F. Hendee, to North American Philips Co., Inc. Apparatus for determining the composition and condition of a specimen of material. 2,982,814, 5–2–61, Cl. 178—6.8.

Fine Sound, Inc.: *See*—
Fine, Clarence R. 3,005,058.

Fines, Fred, and R. O. Wharton. Railroad track circuit. 2,985,752, 5–23–61, Cl. 246—34.

Finestone, Arnold B., to Westinghouse Electric Corp. Catalysts for glycidyl polyethers, products produced thereby and method of producing said catalysts. 2,970,130, 1–31–61, Cl. 260—47.

Finger, Charles E., to Hickory Spinners, Inc. Sled. 2,998,146, 8–29–61, Cl. 214—1.

Finger, Joseph S., to Johns-Manville Fiber Glass Inc. Method of making a synthetic resin panel with a crinkled finish. 2,969,301, 1–24–61, Cl. 154—106.

Fingerhut, Arthur L., to General Foods Corp. Wrapping machine. 3,006,119, 10–31–61, Cl. 53—24.

Fingerut, Boris M., to Portland Wire & Iron Works. Machine for making masonry reinforcement. 3,010,493, 11–28–61, Cl. 140—112.

Finigan, Charles M.: *See*—
Swanchyna, Joseph E., and Finigan. 3,004,085.

Fink, Arnold: *See*—
Peet, John R., Claypole, Fink, and Loeser. 2,972,873.

Fink, Frank J., to The Motch & Merryweather Machinery Co. Clutch adapted for single point actuation. 2,990,643, 6–27–61, Cl. 192—27.

Fink, Harry A., Jr.: *See*—
Forth, Murray W., and Fink. 3,000,110.

Fink, Judson J.: *See*—
Koch, Paul H., and Fink. 2,980,084.

Fink, Leroy M., to The Babcock & Wilcox Co. Method of and apparatus for superheating vapor. 2,995,120, 8–8–61, Cl. 122—476.

Fink, Leroy M., E. G. Kispert, A. E. Raynor, and W. H. Rowand, to The Babock & Wilcox Co. Vapor generator. 3,003,480, 10–10–61, Cl. 122—235.

Fink, Melvin M., to Universal Oil Products Co. Continuous-flow variable slit height thermal diffusion column. 3,003,639, 10–10–61, Cl. 210—176.

Fink, Miller H., to A. B. Chance Co. Electrical insulating rod. 2,997,529, 8–22–61, Cl. 174—138.

Fink, Robert E.: *See*—
Scott, John F., Hoffman, and Fink. 2,973,678.

Fink, Robert W.: *See*—
Baillif, Ernest A., and Fink. 2,999,372.
Baillif, Ernest A., and Fink. 3,008,301.

Fink, Robert W., to Whirlpool Corp. Ice body makers and ejectors. 2,981,079, 4–25–61, Cl. 62—353.

Fink, Robert W., to Whirlpool Corp. Ice cube shucking and lifting mechanism. 2,990,701, 7–4–61, Cl. 62—353.

Fink, Trevor: *See*—
Fleming, Jonathan B., Panich, McEvoy, and Fink. 3,008,480.

Fink, William C.: *See*—
Chiola, Vincent, and Fink. 2,978,890.

Fink, William C., to Sylvania Electric Products Inc. Photoflash lamp. 3,002,367, 10–3–61, Cl. 67—31.

Finke, Otto, K. Zelle, and H. Köppe, to C. H. Boehringer Sohn. Carbamic acid glycol esters. 2,967,880, 1–10–61, Cl. 260—482.

Finkeldey, William H.: *See*—
Lentz, George F., and Finkeldey. 2,968,083.

Finkelstein, Mannie: *See*—
Bohannon, John D., Finkelstein, Liebowitz, and Weiner. 2,989,901.

Finkelstein, Sab, to Philadelphia Handle Co., Inc. Luggage handle. 2,987,149, 6–6–61, Cl. 190—57.

Finken, John A.: *See*—
Konold, William G., and Finken. 2,966,877.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken. 3,001,900.
Frieder, Leonard P., and Finken. 3,011,820.

Finkenauer, Frederick J., Jr.: *See*—
Loofbourrow, Alan G., Ball, Finkenauer, and Jackson. 2,992,852.

Finklea, Robert D. Parachute release apparatus. 3,007,658, 11–7–61, Cl. 244—147.

Finlay, Joseph B., to E. I. du Pont de Nemours and Co. Preparation of a C_4H_5Cl compound from a solution of copper chloride and hydrogen chloride saturated with acetylene. 2,999,887, 9–12–61, Cl. 260—654.

Finlay, Walter L., to Crucible Steel Co. of America. Reacted coating of titanium. 2,992,135, 7–11–61, Cl. 117—114.

Finlayson, Donald, B. Krzesinski, and A. W. Cooke, to British Celanese Ltd. Cellulose triacetate pile fabric and method of making same. 2,973,018, 2–28–61, Cl. 139—391.

Finlayson, Donald, and B. Krzesinski, to British Celanese Ltd. Manufacture of artificial filaments, films and like shaped articles of cellulose triacetate. 2,988,418, 6–13–61, Cl. 18—54.

Finlayston, Frank E., and A. G. Swenson, to General Electric Co. Thermostat control. 2,976,388, 3–21–61, Cl. 219—25.

Finley, Donald R., and W. H. Henshaw, Jr., to General Electric Co. Treating agent dispenser system for washing machines. 2,974,516, 3–14–61, Cl. 68—207.

Finley, George A., and G. W. Spieler, to Finco, Inc. Gas burner. 2,983,312, 5–9–61, Cl. 158—79.

Finley, George A., and G. W. Spieler, to Finco, Inc. Drying apparatus. 2,983,500, 5–9–61, Cl. 263—19.

Finley, George A., and C. A. Anderson, to Finco, Inc. Three wheeled spray vehicle with frame tank. 2,993,551, 7–25–61, Cl. 180—26.

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Finn, Sidney J., to United Shoe Machinery Corp. Fuse-setting mechanism. 2,978,960, 4–11–61, Cl. 89—6.

Finn, Sidney J., to United Shoe Machinery Corp. Fuse-setting mechanisms. 2,985,073, 5–23–61, Cl. 89—6.

Finn, Sidney J., to United Shoe Machinery Corp. Shell-handling mechanisms for guns. 2,988,962, 6–20–61, Cl. 89—33.

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Finnegan, William G., and R. A. Henry, and S. Skolnik, to United States of America, Navy. Polymers of substituted tetrazoles. 3,004,959, 10–17–61, Cl. 260—88.3.

Finney, John H. V., to Union Oil Co. of California. Oil shale retort and method. 3,006,816, 10–31–61, Cl. 202—7.

Finney, John H. V., Jr., to Denver Equipment Co. Belt type solid separator. 2,969,878, 1–31–61, Cl. 209—430.

Finney, Rex G., to The Ryan Aeronautical Co. Constant disreefing means for parachutes. 2,980,371, 4–18–61, Cl. 244—152.

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Finniston, Harold M., L. M. Wyatt, and O. S. Plail, to United States of America, Atomic Energy Commission. Metal sheathed bodies. 2,990,352, 6–27–61, Cl. 204—193.2.
Fino, Alexander F., to Pittsburgh-Des Moines Steel Co. Weather seal. 2,973,113, 2–28–61, Cl. 220—26.
Fino, Alexander F., and J. M. Swick, to Pittsburgh-Des Moines Steel Co. Magnetic seal for floating roof. 2,981,436, 4–25–61, Cl. 220—26.
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Fischetti, Pasquale, to Davidson Corp. Automatic plate exchanger for printing machines. 2,990,768, 7–4–61, Cl. 101—217.
Fischetti, Pasquale, to Davidson Corp. Plate clamping means for printing machines. 2,990,772, 7–4–61, Cl. 101—415.

Fischinger, Herbert, to Bremshey & Co. Collapsible umbrellas. 3,003,510, 10–10–61, Cl. 135—26.

Fischman, Martin, to Sylvania Electric Products Inc. Blocking oscillator frequency divider using reflective delay lines. 2,993,173, 7–18–61, Cl. 328—40.

Fischman, Martin, to Sylvania Electric Products Inc. Transistor blocking oscillator using resonant frequency stabilization. 3,013,219, 12–12–61, Cl. 331—112.

Fish, Allen M., to United States of America, Air Force. Cooled injector. 3,000,184, 9–19–61, Cl. 60—39.74.

Fish, Donald H.: *See*—
Anderson, Edward P., and Fish. 2,984,108.

Fish, Leslie A. Illuminating device. 2,984,718, 5–16–61, Cl. 200—61.73.

Fishburn, Ralph E., to Minneapolis-Honeywell Regulator Co. Temperature control apparatus for cotton driers. 2,968,874, 1–24–61, Cl. 34—48.

Fisher, Andrew J., Jr., to Saginaw Wire Products, Inc. Wire apparatus. 2,995,922, 8–15–61, Cl. 73—53.

Fisher, Bernard C., to Neutronic Development Corp. Ignition device. 3,012,084, 12–5–61, Cl. 123—169.

Fisher, Bruce S., to E. I. du Pont de Nemours and Co. Novel ethylene-propylene copolymer and method for producing same. 3,000,867. 9–19–61, Cl. 260—88.2.

Fisher, Charles R., Jr.: *See*—
Tyrlick, William V., and Fisher. 2,979,695.

Fisher, Charles R., Jr., and F. A. Morris, to General Dynamics Corp. Telegraph switching system. 2,976,347, 3–21–61, Cl. 178—2.

Fisher, Charles T., to Harvey M. Crockett. Flange bending machine for unstayed set-up box manufacture. 2,970,527, 2–7–61, Cl. 93—51.

Fisher, Chester D., to Waldron Sprout & Co., Inc. Pellet cooler. 2,985,965, 5–30–61, Cl. 34—57.

Fisher, Constance M.: *See*—
Fisher, John V. Re. 24,925.
Fisher, John V. 2,982,399.

Fisher, Donald H., to Pye Ltd. Interference limiters. 2,978,539. 4–4–61, Cl. 178—7.5.

Fisher, Earl E.: *See*—
Cantrell, Troy L., Fisher, and Hill. 2,995,532.

Fisher, Earl M., and E. G. Hamway, to The General Tire & Rubber Co. Metal coating of plastics. 2,993,806, 7–25–61, Cl. 117—71.

Fisher, Edward L.: *See*—
Allen Howard G., and Fisher. 3,010,430.

Fisher, Elwyn D., and R. H. Baskey, to Horizons Inc. Process to produce void free refractory boride product. 2,974,040, 3–7–61, Cl. 75—202.

Fisher Engineering, Inc.: *See*—
Reith, Charles E. 3,008,001.

Fisher Governor Co.: *See*—
Engel, Raymond A., and Johnson. 3,001,550.
Johnson, Philip L., and Wayman. 3,008,485.
Rich, Herbert G. 2,969,802.

Fisher, Harold R.: *See*—
Muller Albert, Hulme, and Fisher. 3,001,864.

Fisher, Henry E., to Taylor Electrical Instruments Ltd. Electrical measuring instruments. 2,992,301, 7–11–61, Cl. 200—56.

Fisher, Herman G.: *See*—
Crawford, Ralph W., Fisher, and Sly. 2,983,072.

Fisher, Horace L., to Phillips Petroleum Co. Ultraviolet analyzer. 2,974,226, 3–7–61, Cl. 250—43.5.

Fisher, Horace L., and R. C. Miller, to Phillips Petroleum Co. Analyzer. 2,974,227, 3–7–61, Cl. 250—43.5.

Fisher, Horace L., G. T. Porter, and G. E. Price, to Phillips Petroleum Co. Analyzer and drive mechanism. 3,013,153, 12–12–61, Cl. 250—43.5.

Fisher, Ian M., deceased; M. H. Fisher, executrix of said I. M. Fisher. Controlling the timing and sequence of operations in washing, dyeing, bleaching and similar machines. 2,995,671, 8–8–61, Cl. 307—141.

Fisher, Jack: *See*—
Walpole, Beverly K., and Fisher. 3,004,754.

Fisher, James G., to Fisher Mfg. Co., Inc. Lock-down floating platform mechanism for spooler troughs and doff trucks. 2,980,287, 4–18–61, Cl. 220—93.

Fisher, James G., to Fisher Mfg. Co., Inc. Doff truck boxes and the like having rub guards and bumpers. 2,980,437. 4–18–61, Cl. 280—79.2.

Fisher, James G., to Fisher Mfg. Co., Inc. Spooler trough. 2,980,481, 4–18–61, Cl. 312—250.

Fisher, James T., to B & C Metal Stamping Co. Meter box and reversible shorting bar therefor. 2,972,656, 2–21–61, Cl. 174—59.

Fisher, James W., to The University of Tennessee Research Corp. 20-cobalto-delta-1-hydrocortisone (inner complex salt). 3,010,975, 11–28–61, Cl. 260—397.45.

Fisher, Jeffrey O.: *See*—
Davies, Gerald T., Fisher, Jones, Lewis, Wilson, Griffin, and Hewitt. 3,010,147.

Fisher, John, to Warner & Swasey Co. Machine tool control element. 2,971,412, 2–14–61, Cl. 82—2.

Fisher, John, to The Warner & Swasey Co. Control unit. 2,984,720, 5–16–61, Cl. 200—87.

Fisher, John B.: *See*—
Schneiderman, Max, and Fisher. 2,995,683.

Fisher, John C., to Am Dyne Trust. Pump. 2,972,957, 2–28–61, Cl. 103—76.

Fisher, John C., to General Electric Co. Thermionic generator. 3,002,116, 9–26–61, Cl. 310—4.

Fisher, John G. Oil pressure gage. 2,985,020, 5–23–61, Cl. 73—407.

Fisher, John G. Scrapers. 3,014,292, 12–26–61, Cl. 37—129.

Fisher, John R., and H. R. Johnstone, to E. I. du Pont de Nemours and Co. Process for coating film. 2,977,246, 3–28–61, Cl. 117—76.

Fisher, John T., to Stewart-Warner Corp. Evaporative heat exchanger. 2,990,696, 7–4–61, Cl. 62—314.

Fisher, John T., to Stewart-Warner Corp. Moisture separator. 2,997,131, 8–22–61, Cl. 183—32.

Fisher, John V., deceased, by C. M. Fisher, administratrix, to Container Corp. of America. Carton package. Re. 24,925, 1–17–61, Cl. 206—65.

Fisher, John V., deceased; C. M. Fisher, administratrix, 20% to L. Crosby, and 20% to K. M. Crawford. Multiple container package and carrier device. 2,982,399, 5–2–61, Cl. 206—65.

Fisher, Joseph C. Archer's bow. 2,975,780, 3–21–61, Cl. 124—24.

Fisher, Joseph F., to Philco Corp. Flying spot scanner system including correction for shading. 2,998,480. 8–29–61, Cl. 178—7.2.

Fisher, Joseph F., to Philco Corp. Amplitude selective amplifying system. 1,999,127, 9–5–61, Cl. 178—7.5.

Fisher, Lawrence E., to General Electric Co. Distribution system. 3,009,011, 11–14–61, Cl. 174—88.

Fisher, Lee K.: *See*—
Ducker, William H., and Fisher. 3,000,426.

Fisher, Leonard: *See*—
Williams, Kenneth G., and Fisher. 3,001,199.

Fisher Mfg. Co., Inc.: *See*—
Fisher, James G. 2,980,287.
Fisher, James G. 2,980,437.
Fisher, James G. 2,980,481.

Fisher, Margaret H.: *See*—
Fisher, Ian M. 2,995,671.

Fisher, Mark E.: *See*—
Christenson, Howard W., Fisher, and Breting. 2,969,695.
Tuck, Robert M., and Fisher. 2,978,928.
Tuck, Robert M., and Fisher. 2,987,940.

Fisher, Norman B.: *See*—
George, Hayden R., and Fisher. 2,980,045.

Fisher Pierce Co., Inc., The: *See*—
Fisher, Richard T. 3,013,922.

Fisher-Price Toys, Inc.: *See*—
Crawford, Ralph W. 2,992,511.
Crawford, Ralph W., Fisher, and Sly. 2,983,072.
Crawford, Ralph W., Schuller, and Sly. 3,010,252.

Fisher, Richard A., to The United States Bedding Co. Measuring device. 2,988,256, 6–13–61, Cl. 226—136.

Fisher, Richard L. Locking device. 2,970,855, 2–7–61, Cl. 292—59.

Fisher, Richard S., and J. W. Gartland, deceased (by E. M. Gartland, executrix), I. P. Mall, and H. C. Stieber, to Union Carbide Corp. Production of artificial graphite. 2,992,901, 7–18–61, Cl. 23—209.3.

Fisher, Richard T., to The Fisher Pierce Co., Inc. Manufacture of plastic articles having spaced shells with reinforced foam filling. 3,013,922, 12–19–61, Cl. 18—59.

Fisher, Robert A.: *See*—
Nevens, Thomas D., Fisher, and Culbertson. 2,984,602.
Sudarsky, Jerry M., and Fisher. 2,984,601.

Fisher, Robert E.: *See*—
Johnson, Wallace J. S., and Fisher. 3,000,466.

Fisher, Robert E., to Up-right, Inc. Folding tower. 2,982,379, 5–2–61, Cl. 189—19.

Fisher, Robert M. Predetermined pressure shut-off valve. 2,968,315, 1–17–61, Cl. 137—517.

Fisher, Sallie A., to Rohm & Haas Co. Regeneration of anion-exchange resins. 2,999,821, 9–12–61, Cl. 260—2.1.

Fisher Scientific Co.: *See*—
Heneage, Peter, and Taylor. 2,990,257.
Taylor, Billy W. 3,009,258.

Fisher, Sidney F.: *See*—
Barry, John N., and Fisher. 2,996,680.

Fisher, Sidney L., to Spider Staging, Inc. Level winding winch mechanism. 2,998,084, 8–29–61, Cl. 182—142.

Fisher, Stanton E. Animal toy. 2,988,045, 6–13–61, Cl. 119—29.

Fisher, Walter, to The Torrington Co. Stamped retainer for roller thrust bearings. 2,978,282, 4–4–61, Cl. 308—235.

Fisher, Walter T.: *See*—
Alderson, Ross C., Carpenter, and Fisher. 2,993,664.
Carpenter, Benjamin. 2,993,665.

Fisher, Walter W., to The Bendix Corp. Digital transformer. 2,969,534, 1–24–61, Cl. 340—347.

Fisher, Will S.: *See*—
Phillips, Donald R., Dobras, Makulec, and Fisher. 2,971,083.

Fisher, William G., to Philco Corp. Cabinet structures. 3,010,776, 11–28–61, Cl. 312—273.

Fisher, William H., to The General Electric Co. Ltd. Temperature responsive devices. 3,001,051, 9–19–61, Cl. 200—138.

Fisher, William H., and K. Lander, to The General Electric Co. Ltd. Manual control units. 2,985,740, 5–23–61, Cl. 200—157.

Fisher, William P.: *See*—
Charney, Jesse, Tytell, and Fisher. 2,998,438.

Fishman, Stanley D.: *See*—
Weiser, Sidney, Fishman, and Schulman. 2,989,680.

Fishmeister, Thelma G. Activated carrier for displaying birthday cakes and other edibles. 2,986,470, 5-30-61, Cl. 99—138.

Fishpaw, Arthur L., and G. P. McAvoy, to The Martin Co. Control apparatus for aircraft having thrust reversing means. 2,999,355, 9-12-61. Cl. 60—35.54.

Fishwick, Horace P., to Worthington Corp. Method and apparatus for controlling and limiting the quantity of "blow-thru" steam in a drying system. 2,992,493, 7-18-61, Cl. 34—48.

Fisk, James C. Fluid pressure power converter. 2,977,889, 4-4-61, Cl. 103—120.

Fisk, James C. Adjustable indicator holding device. 3,007,250, 11-7-61, Cl. 33—172.

Fisk, Robert W., to Mathews Conveyor Co. Reciprocating gravity conveyer. 2,970,682, 2-7-61, Cl. 193—35.

Fiske, Paul E. Digital range unit. 3,012,721, 12-12-61, Cl. 235—92.

Fisons Pest Control Ltd.: *See*—
Hartley, Gilbert S., Brunskill, and Pfeiffer. 2,979,075.
Pfeiffer, Rudolf K. 2,992,913.

Fitch, Clifford K. Fork lift trucks. 2,985,328, 5-23-61, Cl. 214—731.

Fitch, Clifford K. Car parking apparatus. 2,995,263, 8-8-61, Cl. 214—731.

Fitch, Clyde J., to International Business Machines Corp. Electrostatic incremental drive. 2,995,285, 8-8-61, Cl. 226—156.

Fitch, Clyde J., to International Business Machines Corp. Electrostatic clutch. 3,002,596, 10-3-61, Cl. 192—84.

Fitch, Clyde J., and H. L. Dunn, to International Business Machines Corp. Relay. 3,004,126, 10-10-61, Cl. 200—166.

Fitch, Elliot B., to Dorr-Oliver Inc. Process for separating solids in liquid suspension. 2,981,413, 4-25-61, Cl. 209—211.

Fitch, Elliot B., to Dorr-Oliver Inc. Method and means for converting the kinetic energy of a fluid stream into random turbulence. 3,006,474, 10-31-61, Cl. 210—84.

Fitch, Howard M., to Engelhard Industries, Inc. Gold tertiary mercaptides and method for the preparation thereof. 2,984,575, 5-16-61, Cl. 106—1.

Fitch, Howard M., to Engelhard Industries, Inc. Gold decorating compositions containing gold primary mercaptides. 2,994,614, 8-1-61, Cl. 106—1.

Fitch, Leslie L.: *See*—
Fitch, Lyle R., Fitch, and Rodigou. 3,006,227.

Fitch, Lyle R. and L. L., and R. Rodigou. Wrench for hydrant outlets. 3,006,227, 10-31-61, Cl. 81—125.

Fitch, Merle E.: *See*—
Schubring, Norman W., and Fitch. 2,977,544.

Fitch, Robert B., to Stapling Machines Co. Mechanism for selecting containers according to length. 2,988,214, 6-13-61, Cl. 209—71.

Fitch, Robert M., to E. I. du Pont de Nemours and Co. Copolymer of methyl methacrylate, alkyd resin and modified glycidyl methacrylate and coating composition comprising same. 2,988,524, 6-13-61, Cl. 260—16.

Fitchburg Engineering Corp.: *See*—
Testagrossa, Samuel J. 2,984,128.

Fitchett, Gilmer T., J. E. Gordon, and R. G. Shepherd, to American Cyanamid Co. N4-(benz- or anisylidene)-N'-(6-methoxy-3-pyridazinyl)-sulfanilamides. 2,974,137, 3-7-61, Cl. 260—239.7.

Fite, George W., Jr., to Mimx Corp. Rod-type pyrogenic igniter. 3,003,419, 10-10-61, Cl. 102—86.5.

Fite, Luther S., to Natchez Steel Products Co., Inc. Weight distributing truck bed attachment. 3,006,655, 10-31-61, Cl. 280—104.5.

Fite, Wade L., and R. T. Brackmann, to General Dynamics Corp. Photon counter. 2,978,603, 4-4-61, Cl. 313—93.

Fiterman, M. M.: *See*—
Moser, Frank T. 2,978,996.

Fites, Larry L.: *See*—
Bell, Jerome, Fites, and Kelley. 2,993,290.

Fitt, Peter W., to Normalair Ltd. Quick disconnect couplings. 2,977,078, 3-28-61, Cl. 244—122.

Fitz, Edward J., and M. A. Sorokin, to The Eagle-Picher Co. Molding apparatus and method. 3,008,181, 11-14-61, Cl. 18—5.

Fitz, Elmore J., and R. E. Waite, to General Electric Co. Annealing process for magnetic steel strip. 2,986,485, 5-30-61, Cl. 148—112.

Fitzer, Erich. Method of producing metals and their alloys. 2,983,528, 5-23-61, Cl. 75—84.1.

FitzGerald, Alan S. Drill sorter. 2,982,405, 5-2-61, Cl. 209—90.

FitzGerald, Alan S. Drill sorter. 2,984,350, 5-16-61, Cl. 209—90.

FitzGerald, Alan S. Electric regulating system. 2,994,816, 8-1-61, Cl. 323—66.

Fitzgerald, Alfred E. Bowling ball handling apparatus for automatic pinsetting machines. 2,994,532, 8-1-61, Cl. 273—43.

Fitzgerald, Charles F., to United Shoe Machinery Corp. Trimming machines. 2,970,329, 2-7-61, Cl. 12—4.3.

Fitzgerald, Charles F., and A. J. Murphy, to United Shoe Machinery Corp. Lockstitch shoe sewing machines. 2,979,001, 4-11-61, Cl. 112—36.

Fitzgerald, Edwin R., to The Ohio Crankshaft Co. Contact resistance seam welding apparatus. 3,013,142, 12-12-61, Cl. 219—84.

Fitzgerald, Gerald A., ⅓ to R. R. Colton, and ⅓ to S. W. Dean, Jr. Fruit product and method of producing same. 3,006,773, 10-31-61, Cl. 99—134.

Fitzgerald, John V.: *See*—
Wagner, Herman B., and Fitzgerald. 2,990,382.

Fitzgerald, Robert T., and J. S. Saletzki, to Caterpillar Tractor Co. Adjustable cam follower with detent retaining means. 3,002,509, 10-3-61, Cl. 123—90.

Fitzgerald, Roland J. Process of treating wool on growing sheep. 2,985,136, 5-23-61, Cl. 119—1.

Fitzgerald, Royden M., to Omondaga Pottery Co. Method of decorating articles of tableware. 2,971,860, 2-14-61, Cl. 117—45.

Fitzgerald, Thomas C., and W. L. Hoff, to Western Electric Co., Inc. Apparatus for applying code markings of different colors onto articles of indefinite length. 2,989,943, 6-27-61, Cl. 118—314.

Fitzgerald, William J.: *See*—
Umile, Louis J., and Fitzgerald. 3,007,111.

Fitz Gerald, William P.: *See*—
Nelson, Joseph F., Banes, and Fitz Gerald. 2,967,203.

Fitzgibbon, Thomas F., to Parker-Hannifin Corp. Pilot-operated valve assembly. 2,982,306, 5-2-61, Cl. 137—623.

Fitzhugh, John R.: *See*—
Dye, Charles T., Jr. 2,976,833.

Fitzmaurice, John A., and E. Blacquier, to Baird-Atomic, Inc. Curve tracer. 2,974,254, 3-7-61, Cl. 315—10.

Fitzpatrick Co., The: *See*—
Fitzpatrick, William J., Magnus, and Manion. 2,997,968.
Kircher, Albert, Jr. 3,001,728.

Fitzpatrick, Harold M., to Electrical Communication Enterprises Pty. Ltd. Cross-connecting cabinet. 3,001,103, 9-19-61, Cl. 317—99.

Fitzpatrick, John A., to United States of America, Navy. Aluminum-chlorine detonator catalyst for hydrocarbon propellant. 2,995,987, 8-15-61, Cl. 89—7.

Fitzpatrick, John T.: *See*—
Hill, Fred N., Bailey, and Fitzpatrick. 2,971,988.
Hill, Fred N., Fitzpatrick, and Bailey. 2,969,402.
Marcus, Erich, and Fitzpatrick. 3,014,045.
Marcus, Erich, Fitzpatrick, and Frostick. 2,993,894.

Fitzpatrick, John T., and S. W. Tinsley, to Union Carbide Corp. Aliphatic-9-fluorine-plasticized vinyl resin compositions. 2,986,545, 5-30-61, Cl. 260—31.8.

Fitzpatrick, John T., and E. Marcus, to Union Carbide Corp. Process for making 2-cyclopenteneacetic acids. 3,014,960, 12-26-61, Cl. 260—514.

Fitzpatrick, Robert F.: *See*—
Catlett, Richard H., and Fitzpatrick. 2,984,395.

Fitzpatrick, William J., E. G. Magnus, and D. A. Manion, to The Fitzpatrick Co. Mixing device. 2,997,968, 8-29-61, Cl. 107—14.

Fitzsimmons, David P.: *See*—
Bone, Herbert L., and Fitzsimmons. 3,009,056.

FitzSimmons, Vincent G.: *See*—
Zisman, William A., and FitzSimmons. 2,977,748.

FitzSimmons, Vincent G., and W. A. Zisman, to United States of America, Navy. Ammunition cartridge cases. 2,972,947, 2-28-61, Cl. 102—43.

Fitzsimons, Ogden, 75% to Drift-A-Lure, Inc. Method of making a fishing lure. 2,979,778, 4-18-61, Cl. 18—58.

Fizzotti, Carlo: *See*—
Cacciari, Alberto, De Leone, Fizzotti, and Gabaglio. 2,991,175.

Flachbarth, Charles: *See*—
Blinn, Glenn E., and Flachbarth. Re. 25,042.

Flack, Alfred, and R. Ludder, to Lily-Tulip Cup Corp. Flexible thermoplastic nestable closure lids. 2,972,432, 2-21-61, Cl. 220—60.

Flack, James M., B. F. Pulsifer, and J. D. Whatley, to Indian Head Mills, Inc. Treatment of fibers. 2,972,220, 2-21-61, Cl. 57—156.

Flagan, Robert G.: *See*—
Tantlinger, Keith W., and Flagan. 2,971,772.

Flagg, Raymond P., to Minneapolis-Honeywell Regulator Co. Step opening solenoid valve. 2,986,369, 5-30-61, Cl. 251—54.

Flagstad, George P. Fishhook extracting tool. 2,995,860, 8-15-61, Cl. 43—53.5.

Flaherty, Earl V. Weather stripping means for rotatable window. 2,977,646, 4-4-61, Cl. 20—53.

Flaker, Cathryn S.: *See*—
Flaker, Jacob E. 3,005,651.

Flaker, Jacob E., deceased (C. S. Flaker, administratrix), to C. S. Flaker. Hand hook. 3,005,651, 10-24-61, Cl. 294—26.

Flakice Corp.: *See*—
Field, Crosby. 2,990,199.

Flam, Frederick H. Duplicate bridge scoring machine. 3,001,703, 9-26-61, Cl. 235—92.

Flamand, Maurice R., to Draper Corp. Filling inserting carrier. 3,014,503, 12-26-61, Cl. 139—122.

Flan, Anthony, and H. N. Miller, to Oakton Engineering Corp. Programming mechanism. 2,968,746, 1-17-61, Cl. 317—139.

Flan, Anthony, H. N. Miller, and F. Lindroos; said Miller and said Lindroos assors. to said Flan. Tape guide and reel hub construction for coaxial reel type tape recorder or reproducer. 3,002,706, 10-3-61, Cl. 242—68.3.

Flanagan, Charles D., to Texas Instruments Inc. Thermostats. 3,002,386, 10-3-61, Cl. 73—378.3.

Flanagan, Charles D., to Texas Instruments Inc. Temperature-sensitive electrical control element. 3,009,127, 11-14-61, Cl. 338—26.

Flanagan, James L., to United States of America, Air Force. Automatic spectrum analyzer. 2,990,453, 6–27–61, Cl. 179—15.55.

Flanagan, James R., and P. R. Hoopes, to Stephen F. Whitman and Son, Inc. Article packing apparatus. 2,976,659, 3–28–61, Cl. 53—237.

Flanagan, John C. Roof ventilator. 2,973,704, 3–7–61, Cl. 98—42.

Flanagan, Thomas L., R. P. Neff, and K. W. Slipp, to Killingworth Engineers, Inc. Variable speed pulley mechanism. 3,008,338, 11–14–61, Cl. 74—230.17.

Flanagan, William C.: *See*—
Powell, Fred W., Wight, and Flanagan. 3,003,229.

Flanagan, William H., Jr., and R. W. Fraser, to United-Carr Fastener Corp. Printed circuit assembly. 2,972,727, 2–21–61, Cl. 339—17.

Flanagin, Edwin G.: *See*—
Eppinger, Charles E., and Flanagin. 2,979,361.

Flanders, Andrew E.: *See*—
Montner, Joseph, and Flanders. 2,983,862.

Flanders, Ernest V., to Jones and Lamson Machine Co. Method of grinding helical forms. 2,981,038, 4–25–61, Cl. 51—288.

Flanders Mill, Inc.: *See*—
Tuthill, William A. 2,978,067.

Flanders, Robert H., and J. E. Dimick, to California Packing Corp. Peach pit fragment detection means and techniques. 3,005,548, 10–24–61, Cl. 209—111.5.

Flanders, Robert H., J. E. Dimick, and R. Amara, to California Packing Corp. Peach pit fragmentation detection means and techniques. 3,005,549, 10–24–61, Cl. 209—111.5.

Flanders, Robert H., and J. E. Dimick, to California Packing Corp. Peach pit fragment detection means and techniques. 3,005,550, 10–24–61, Cl. 209—111.5.

Flanders, Robert N., and F. L. Moseley, to F. L. Moseley Co. Character printing graphical recorder. 2,976,103, 3–21–61, Cl. 346—29.

Flanders, Theodore A., and P. V. Naples, to United Aircraft Corp. Safety shutoff for helium supplies. 3,009,479, 11–21–61, Cl. 137—612.1.

Flanigan, Eugene E.: *See*—
Conklin, Emmett D., Flanigan, Ricketts, and Turunen. 2,972,230.

Flanigan, Eugene E., and R. M. Zeek, to General Motors Corp. Gas turbine fuel system with regenerator temperature compensation. 2,976,683, 3–28–61, Cl. 60—39.28.

Flaningam, Lewis A., and F. L. Ruhl, to General Motors Corp. Permanent magnet rotor construction. 2,985,779, 5–23–61, Cl. 310—156.

Flannery, Edward J., to R. Hoe & Co. Speed-matching system for printing press paster apparatus. 2,983,458, 5–9–61, Cl. 242—58.3.

Flannery, James N.: *See*—
Armitage, Joseph B., and Flannery. 2,978,965.

Flannery, John P., to The Murray Corp. of America. Washing machine transmission. 2,976,746, 3–28–61, Cl. 74—665.

Flapan, Jack: *See*—
Van Brakel, Russel. 2,986,149.

Flarilham S.A.: *See*—
Kundert, Alex. 2,974,351.

Flasch, Helmut, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of inorganic pigments. 3,002,846, 10–3–61, Cl. 106—309.

Flaschen, Steward S.: *See*—
Egerton, Lawson, and Flaschen. 2,976,246.

Flaschen, Steward S., and H. A. Sauer, to Bell Telephone Laboratories, Inc. Ceramic electromechanical transducers. 2,974,203, 3–7–61, Cl. 179—110.

Flaskerud, Lyle M.: *See*—
Lamont, Ebenezer N. 2,974,821.

Flatau, Abraham, to United States of America, Army. Tail fin structure for vase or fish-shaped bombs. 3,013,490, 12–19–61, Cl. 102—7.2.

Flath, Earl H., Jr.: *See*—
Clanton, James D., Jr., Flath, and Keiffer. 2,980,909.

Flatray, Raymond L., to Densco, Inc. Self-lubrication of turbine-type dental handpieces. 2,977,682, 4–4–61, Cl. 32—27.

Flatt, James H.: *See*—
Young, Kenneth W., and Flatt. 2,986,125.

Flaugh, Oren F., R. A. Hirsch, and J. R. Mansfield, to General Motors Corp. Combined mechanical pitch lock and pitch stop assembly. 3,003,567, 10–10–61, Cl. 170—160.33.

Flavin, Theodore F.: *See*—
Muffley, Robert V., and Flavin. 3,011,611.

Flax, Valer. Manufacture of collapsible tubular containers made of flexible materials. 2,970,723, 2–7–61, Cl. 222—107.

Fleck, Edwin G., Jr.: *See*—
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Fleck, Raymond N., C. G. Wight, and E. L. Wiseman, to Union Oil Co. of California. Resolution of anthracene oils using zeolitic molecular sieves. 2,967,896, 1–10–61, Cl. 260—675.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Separation of straight chain hydrocarbons with zeolitic molecular sieves and H_2S desorbent. 2,974,179, 3–7–61, Cl. 260—676.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Diffusional separation of aromatic compounds. 2,983,767, 5–9–61, Cl. 260—674.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Isothermal adsorption process for separation of organic nitrogen compounds from hydrocarbons. 2,984,620, 5–16–61, Cl. 208—254.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Process for shifting the double bond of a normal olefin. 2,988,578, 6–13–61, Cl. 260—683.2.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Segregation of organic nitrogen compounds. 2,999,861, 9–12–61, Cl. 260—290.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Organic nitrogen compound separation by selective adsorption. 3,005,826, 10–24–61, Cl. 260—290.

Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Vapor phase separation of organic compounds utilizing Werner complexes. 3,013,091, 12–12–61, Cl. 260—674.

Fleck, Raymond N., C. G. Wight, and E. L. Wiseman, to Union Oil Co. of California. Separation of cresol isomers. 3,014,078, 12–19–61, Cl. 260—621.

Fleet of America, Inc.: *See*—
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Fleetham, Tom E., Jr. Gas heating device. 3,010,448, 11–28–61, Cl. 126—85.

Flego, Milenko: *See*—
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Fleischer, Arthur, to United States of America, Army. Manufacture of cadmium and nickel plates for batteries of the nickel-cadmium type. 2,969,414, 1–24–61, Cl. 136—29.

Fleischer, Carl W., Jr., and H. W. Euker, to United States of America, Army. Shaped charge with cylindrical liner. 2,988,994, 6–20–61, Cl. 102—24.

Fleischer, Joseph, to Olin Mathieson Chemical Corp. Ball bat. 2,983,512, 5–9–61, Cl. 273—72.

Fleischer, Kurt W., to Selas Corp. of America. Tube heater. 3,002,505, 10–3–61, Cl. 122—240.

Fleischhacker, Desider, and N. Barsel, to International Hormones, Inc. Adrenochrome derivative. 3,006,924, 10–31–61, Cl. 260—319.

Fleischmann, Herbert J. System for handling waste materials. 2,974,800, 3–14–61, Cl. 210—114.

Fleischmann, Johann, P. Paschen, and D. Schmitt, to Gebruder Fleischmann. Disc commutators for fractional horsepower motors. 3,014,144, 12–19–61, Cl. 310—237.

Fleisig, Charles J. Paper boxes for mailing. 2,970,742, 2–7–61, Cl. 229—45.

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Fleissner, Gerold, to Fleissner & Co. G.m.b.H. Teptilmschinen. Method of steaming fibrous strip materials. 3,011,266, 12–5–61, Cl. 34—23.

Fleissner, Gerold, to Firma Fleissner G.m.b.H. Apparatus for liquid treatment of loose fibrous materials. 3,011,328, 12–5–61, Cl. 68—158.

Fleissner, Hans. Machine for disintegrating a block of compressed fibrous and like material. 2,970,782, 2–7–61, Cl. 241—279.

Fleissner, Johann E., to Fleissner & Sohn Maschinenfabrik. Willow drier. 2,981,007, 4–25–61, Cl. 34—115.

Fleissner & Sohn Maschinenfabrik: *See*—
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Fleissner, Johann E. 2,981,007.

Fleming, Alexander F. Enclosed belt holder. 3,004,654, 10–17–61, Cl. 206—7.

Fleming, Harold W., and W. R. Gutmann, to Chemetron Corp. Iron oxide hydraulic cement dehydrogenation catalyst. 2,990,432, 6–27–61, Cl. 260—669.

Fleming, Harold W., and W. R. Gutmann, to Catalysts and Chemicals Inc. Selective hydrogenation and acetylenes in the presence of olefinic gases containing unsaturated C_4 hydrocarbons. 3,003,008, 10–3–61, Cl. 260—677.

Fleming, Howard M., to Monroe Calculating Machine Co. True negative total mechanism. 2,994,474, 8–1–61, Cl. 235—60.2.

Fleming, Jonathan B., M. Panich, J. E. McEvoy, and T. Fink, to Bailey Meter Co. Pneumatic transmitter. 3,008,480, 11–14–61, Cl. 137—85.

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Fleming, Paul C., to Gulf Oil Corp. Protective system for inductive load. 2,995,684, 8–8–61, Cl. 317—58.

Fleming, Raymond C., Jr., to International Minerals & Chemical Corp. Defluorination method. 2,977,196, 3–28–61, Cl. 23—165.

Fleming, Richard A., to E. I. du Pont de Nemours and Co. Reducing vat dyes with hydrazine-borane compounds. 2,992,061, 7–11–61, Cl. 8—34.

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Hilker, Eugene B., Cowles, Stroh, and Fleming. 2,980,069.

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Chamberlain, Reginald H. D., Morris, Davies, and Fletcher. 2,979,892.
Morris, Ronald E., Upton, Davies, and Fletcher. 2,995,893.
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Fletcher, Charles J. Ducted fan aircraft. 2,988,301, 6-13-61, Cl. 244—12.
Fletcher, Charles J., to Thiokol Chemical Corp. Aerial flare. 3,013,493, 12-19-61, Cl. 102—35.6.
Fletcher, David C., to United States of America, Army. Power system for firearms. 2,975,679, 3-21-61, Cl. 89—192.
Fletcher, David C., to United States of America, Army. Operating mechanism for a plural barrel rifle with a feeding rotor. 2,976,770, 3-28-61, Cl. 89—126.
Fletcher, David C., to United States of America, Army. Feeding mechanism for a salvo gun. 2,977,856, 4-4-61, Cl. 89—33.
Fletcher, David C., to United States of America, Army. Firing mechanism for a salvo gun. 2,981,156, 4-25-61, Cl. 89—127.
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Fletcher, Horace G. Troweling machine. 2,983,203, 5-9-61, Cl. 94—45.
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Fletcher, Michael W. Magnetic door retainer. 2,988,538, 5-9-61, Cl. 292—251.5.
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Fletcher, Peter S., to A. Lorenz. Leg-rest and actuating mechanism. 3,001,817, 9-26-61, Cl. 297—75.
Fletcher, Peter S., to A. Lorenz. Leg-rest and self actuating control arrangement for reclining chair. 3,001,818, 9-26-61, Cl. 297—85.
Fletcher, Peter S., to A. Lorenz. Reclining chair including improved seat control. 3,001,819, 9-26-61, Cl. 297—85.
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Salmon, Clarence P., and Farmer. 2,981,476.
Flick, Francis S., to Flick-Reedy Corp. Piston assembly. 2,970,871, 2-7-61, Cl. 309—4.
Flick, Francis S., to Flick-Redy Corp. Piston speed control valves for piston and cylinder devices. 2,989,949, 6-27-61, Cl. 121—38.
Flick, Francis S., and R. G. Wilkes, to Flick-Reedy Corp. Quick acting valve for fluid service. 2,968,465, 1-17-61, Cl. 251—48.
Flick, Francis S., and W. J. Kudlaty, to Flick-Reedy Corp. Removable trunnion for piston and cylinder devices. 2,979,369, 4-11-61, Cl. 309—2.
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Flick, Francis S. 2,989,949.
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Flint, Frederick C., to The General Electric Co. Ltd. Apparatus for testing a group of electric signals. 2,970,260, 1–31–61, Cl. 324—73.
Flint, Frederick C., to The General Electric Co. Ltd. Equipment for checking a plurality of electric supplies. 2,985,831, 5–23–61, Cl. 324—73.
Flint, Hyland C. Chair construction. 2,982,343, 5–2–61, Cl. 155—179.
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Flint, Thomas, and J. M. Fluke, to American Machine & Foundry Co. Bowling pin spotting and respotting machine. 2,977,121, 3–28–61, Cl. 273—43.
Flint, Thomas, and R. J. Robinson, to W. R. Grace & Co. Container forming apparatus and method. 2,986,076, 5–30–61. Cl. 93—1.
Flint, Russell C., to LCN Closers, Inc. Housing for door closing device. 3,001,664, 9–26–61, Cl. 220—4.
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Flodstrom, Albert C., and V. E. Leonardson, to American Optical Co. Lever actuated trimming device having twisted blades. 2,973,679, 3–7–61, Cl. 83—605.
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Flood, David P. Radio frequency phase shifting band pass network. 2,982,963, 5–2–61, Cl. 343—853.
Flood, John E., to Siemens Edison Swan Ltd. Automatic exchange systems. 3,009,019, 11–14–61, Cl. 179—7.
Flook, William M., Jr., to E. I. du Pont de Nemours and Co. Sheet inspection method and apparatus. 2,967,947, 1–10–61, Cl. 250—219.
Flora, John K.: *See*—
Sawyer, James T., and Flora. Re. 25,032.
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Florence, Albert G., to Celanese Corp. of America. Boiler cleaning process. 2,995,477, 8–8–61, Cl. 134—22.
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Florence, Clyde M. Removable magazine unit for bolt action rifle. 2,997,803, 8–29–61, Cl. 42—18.
Florence, Noel S., to Lightoiler, Inc. Fluorescent lighting fixture. 3,013,146, 12–12–61, Cl. 240—51.11.
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Floria, Vernon D., to The Dow Chemical Co. Method of preparing dispersion of a copolymer of a monovinyl compound and a vinyl sulfonic acid. 2,971,935, 2–14–61, Cl. 260—29.6.
Floria, Vernon D., and F. E. Towsley, to The Dow Chemical Co. Anti-static molding resins. 2,971,947, 2–14–61, Cl. 260—79.3.
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Flow Products, Inc.: *See*—
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Floyd, George F., J. H. Irving, H. R. Kaiser, and R. F. Mettler, to Hughes Aircraft Co. Rocket launch control systems. 2,992,423, 7–11–61, Cl. 343—7.
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Flück, Victor, E. Kühle, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. Systemic fungicides. 3,005,750, 10–24–61, Cl. 167—33.
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Fluegel, Dale A., to Phillips Petroleum Co. Engine analysis apparatus. 2,973,638, 3–7–61, Cl. 73—35.
Fluegel, Dale A., to Phillips Petroleum Co. Electrical measuring apparatus. 2,985,826, 5–23–61, Cl. 324—61.
Fluegel, Dale A., and E. D. Tolin, to Phillips Petroleum Co. Electrical measuring apparatus. 2,982,911, 5–2–61, Cl. 324—60.
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Flumerfelt, John W., to Ferranti-Packard Electric Ltd. Locked wound core. 2,972,724, 2–21–61, Cl. 336—213.
Flummerfelt, Gene C., and W. P. Yant, to Mine Safety Appliances Co. Determination of concentration of components of a gaseous mixture. 2,971,368, 2–14–61, Cl. 73—17.
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Dusbabek, Mark R. 2,979,450.
Miller, Loren N. 2,989,383.
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Flurschutz, Glenn E., and J. B. Cott, to The Air Preheater Corp. Strongback for pressure vessel. 2,997,279, 8–22–61, Cl. 257—245.

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Shane, Morris. 3,004,636.
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Flynn, Edward J., to General Electric Co. Dynamoelectric machine cooling. 2,999,951, 9–12–61, Cl. 310—54.
Flynn, James P., to The Dow Chemical Co. Method of dehydrating hydrates of thorium fluoride. 2,991,149, 7–4–61, Cl. 23—14.5.
Flynn, John, and Sons, Inc.: *See*—
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Flynn, Joseph F., to Ex-Cell-O Corp. Mechanism for pairing containers having gabled top enclosed pouring spout. 2,990,934, 7–4–61, Cl. 198—33.
Flynn, Paul J. Motor vehicle back-up signal device. 2,997,977, 8–29–61, Cl. 116—60.
Flynn, Stanley F. Egg tray. Re. 25,094, 12–5–61, Cl. 217—27.
Flynn, Stanley F. Egg crate or case fillers or trays. 3,001,661, 9–26–61, Cl. 217—27.
Flynn, Vincent J., to Becton Dickinson and Co. Protective cannula sheath. 2,997,043, 8–22–61, Cl. 128—214.
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Foard, John H., 50% to Walter A. Kluttz. Plated spinning ring and method of making same. 2,970,425, 2–7–61, Cl. 57—119.
Foard, John H., to Kluttz Machine & Foundry Co. Ring Division. Spinning ring and method of making same. 2,987,871, 6–13–61, Cl. 57—120.
Foch, Pierre, to Charbonnages de France. Method and apparatus for the carbonization of fluidized materials. 3,011,953, 12–5–61, Cl. 202—6.
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Abplanalp, Robert H., and Focht. 3,008,654.
Focht, John R., to Precision Valve Corp. Valve container for pressurized materials and method of sealing the same. 2,985,342, 5–23–61, Cl. 222—394.
Focht, John R., to Precision Valve Corp. Machine for applying valve operating buttons to aerosol containers. 2,986,809, 6–6–61, Cl. 29—211.
Focht, John R., to Precision Valve Corp. Metering valve-operating button for aerosol dispenser containers. 2,989,217, 6–20–61, Cl. 222—394.
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Focke, Henrich C. J., to Ministerio Da Aeronautica, Diretor do Material, Aeroporto Santos-Dumont. Stabilizing means for helicopter aircraft. 2,978,037, 4–4–61, Cl. 170—160.15.
Focke, Henrich C. J. Aircraft propellers for combined airplane-helicopter flying machines. 2,978,039, 4–4–61, Cl. 170—160.25.
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Foerster, Friedrich M. O. Electrical apparatus. 2,975,359, 3–14–61, Cl. 324—34.
Foerster, Friedrich M. O. System for quantitative calibration of Eddy current test equipment. 2,989,693, 6–20–61, Cl. 324—40.
Foerster, George S., to The Dow Chemical Co. Magnesium-base alloy. 2,979,398, 4–11–61, Cl. 75—168.
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Foerster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Hydrostatic transmission. 2,967,395, 1–10–61, Cl. 60—53.
Foerster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Change speed gear, especially for motor vehicles. 2,970,497, 2–7–61, Cl. 74—677.
Foerster, Hans-Joachim M., and F. G. Grabow, to Daimler-Benz Aktiengesellschaft. Hydrostatic transmission with slewable pump and motor aggregate. 2,980,068, 4–25–61, Cl. 60—53.
Foerster, Hans-Joachim M., and J. A. Helmer, to Daimler-Benz Aktiengesellschaft. Servo steering mechanism for motor vehicles. 3,010,335, 11–28–61, Cl. 74—388.

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Fogal, Gordon L., and G. B. Brown. Delayed opening parachute pack. 2,967,686, 1–10–61, Cl. 244—150.
Fogal, Gordon L., T. W. Kennedy, K. J. Meese, and P. A. Trout, to United States of America, Navy. Shallow water mine and arming means therefor. 2,974,588, 3–14–61, Cl. 102—16.
Fogaley, Louis A. Float for adjusting fishing depth. 2,984,040, 5–16–61, Cl. 43—43.11.
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Fogarty, Laurence E., to General Precision, Inc. Flight simulator computer. 2,986,821, 6–6–61, Cl. 35—12.
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Shoffner, Willie M. 2,971,656.
Shoffner, Willie M. 2,978,069.
Fogarty, Wilfred J., W. G. S. Miller, H. L. Ford, and R. Friedman. Underwater propulsion device for swimmers. 3,014,448, 12–26–61, Cl. 114—16.
Fogel, Robert L., to Hughes Aircraft Co. Orthogonal mode transducer. 3,004,228, 10–10–61, Cl. 333—21.
Fogle, Arnold R. Storage battery box clamps. 2,979,146, 4–11–61, Cl. 180—68.5.
Fogle, Herbert D., A. F. Cox, and D. Bowman, to The Production Plating Works, Inc. Method and apparatus for forming holes in pipes. 2,991,551, 7–11–61, Cl. 29—545.
Fogle, Merald C., to Gulf Research & Development Co. Pyrolytic conversion of hydrocarbons with recovery of coke. 2,983,671, 5–9–61, Cl. 208—127.
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Fohn, Jack E., to Aurora Steel Products Co. Shelving assembly. 2,992,744, 7–18–61, Cl. 211—148.
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Fohr, Matthias, to Werkzeugmaschinenfabrik Oerlikon Buhrle & Co. Abt. Elektrodenfabrik. Plastic bag with a self-sealing valve. 3,009,498, 11–21–61, Cl. 150—9.
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Foley, Edward W., Jr. Apparatus for driving a pile shell. 2,972,871, 2–28–61, Cl. 61—53.7.
Foley, James M., to Fairfield Industries. Wire puller. 2,990,160, 6–27–61, Cl. 254—134.3.
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Foley, Nelson D., to United States of America, Navy. Hermetically sealed proximity fuze. 3,008,415, 11–14–61, Cl. 102—70.2.
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Folkins, Hillis O., and E. L. Miller, to The Pure Oil Co. Process for the preparation of alkyl monosulfides. 2,976,323, 3–21–61, Cl. 260—609.

Folkins, Hillis O., and E. L. Miller, to The Pure Oil Co. Isomerization of normal paraffins. 2,982,802, 5–2–61, Cl. 260—683.65.

Folkins, Hillis O., K. E. Lucas, and E. L. Miller, to The Pure Oil Co. Catalyst and process for isomerizng normal paraffins. 2,982,803, 5–2–61, Cl. 260—683.68.

Folkins, Hillis O., and K. E. Lucas, to The Pure Oil Co. Extrusion of silica-alumina hydrogel. 3,004,292, 10–17–61, Cl. 18—47.5.

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Follender, Otto. Apparatus for inserting hair into the heads of dolls. 2,977,906, 4–4–61, Cl. 112—79.5.

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Folse, Kenneth H., to Logetronics, Inc. Photographic method. 3,011,395, 12–5–61, Cl. 88—24.

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Foltis, Anestis C., and P. Kates. Umbrellas and parasols. 3,008,478, 11–14–61, Cl. 135—22.

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Fonken, Gunther S., and H. C. Murray, to The Upjohn Co. Process for the production of 17β-acetoxy-androstenes. 2,967,803, 1–10–61, Cl. 195—51.

Fonken, Gunther S., and H. C. Murray, to The Upjohn Co. Method for the microbiological conversion of pregnane series steroids. 2,981,659, 4–25–61, Cl. 195—51.

Fonken, Gunther S., and H. C. Murray, to The Upjohn Co. 16α-hydroxy-5β-pregnane-3,11,20 trione with *Sepedonium ampullosporum* and production thereof. 3,007,950, 11–7–61, Cl. 260—397.45.

Fonken, William A. General utility clamp means. 2,973,792, 3–7–61, Cl. 144—303.

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Fontaine, Charles E. Screen attachment for cement mixers. 3,002,623, 10–3–61, Cl. 209—288.

Fontaine, Marc F., M. D. Riordan, and J. Ryer, to Texaco Inc. Treatment of reformed hydrocarbons with a zinc oxide-zinc chromite catalyst. 2,967,143, 1–3–61, Cl. 208—79.

Fontaine, Michel A., I. Vibrator. 2,967,048, 1–3–61, Cl. 259—1.

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Fontein, Freerk J., to Stamicarbon N.V. Apparatus and method for wet screening. 2,976,996, 3–28–61, Cl. 209—355.

Fontein, Freerk J., to Stamicarbon N.V. Moisture separation from granular materials. 2,982,411, 5–2–61, Cl. 210—83.

Fontein, Freerk J., to Stamicarbon N.V. Process and apparatus for wet screening. 2,996,182, 8–15–61, Cl. 209—12.

Fontvieille, Jean, to Manufacture Francaise d'Armes & Cycles de Saint-Etienne. Protecting guide for repeating sporting guns. 2,979,846, 4–18–61, Cl. 42—71.

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Jones, Howard A., Garman, and Dickinson. 2,995,488.
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Foote, Paul D., and M. R. J. Wyllie, to Gulf Research & Development Co. Pre-stressed reinforced ion-exchange membrane and method of making same. 3,009,578, 11–21–61, Cl. 210—496.
Foote, Vernon S., Jr., to United States of America, Navy. Assembly stand. 3,000,627, 9–19–61, Cl. 269—112.
Fooy, Guillaume J.: *See*—
Schayes, Raymond G., and Fooy. 2,986,651.
Fopiano, Paul J.: *See*—
Hardy, Arthur C., Fopiano, and Trageser. 2,974,561.
Forbes, James W.: *See*—
Edelman, Leonard E., and Forbes. 2,980,643.
Forbes, Robert A. Weight supporting mechanism. 2,967,589, 1–10–61, Cl. 187—1.
Forbes, Samuel J.: *See*—
Moorhead, Walter H. 3,006,202.
Forbes, William N.: *See*—
Roby, Sheldon S., and Forbes. 2,996,751.
Forbro Design Inc.: *See*—
Rosin, Arthur. 2,992,379.
Rosin, Arthur. 2,992,386.
Forbush, Lothrop M.: *See*—
Hutchinson, Roland V., Forbush, Winston, and Zimmerman. 2,986,237.
Force, Gerald E. Mailing container. 2,985,353, 5–23–61, Cl. 229—22.
Force, John B., to General Motors Corp. Pulse generator circuit. 2,991,429, 7–4–61, Cl. 331—111.
Ford, Albert. Grain sampler for elevators. 2,993,380, 7–25–61, Cl. 73—421.
Ford, Allen G. Roots locus plotter. 2,989,238, 6–20–61, Cl. 235—184.
Ford, Barton H., ½ to International Paper Co., and ½ to The Stanley Works. Grain door. 2,969,112, 1–24–61, Cl. 160—368.
Ford, Barton H., ½ to International Paper Co., and ½ to The Stanley Works. Disposable pallet. 2,977,148, 3–28–61, Cl. 294—74.
Ford, Bill J., J. H. Guyton, R. L. Jenkins, and M. J. Manahan, to General Motors Corp. Random sweep generator. 2,972,119, 2–14–61, Cl. 331—177.
Ford, Charles D. Combination tool. 3,008,238, 11–14–61, Cl. 33—89.
Ford, Charles J., and J. L. Nisbet, to The Goodyear Tire & Rubber Co. Electrical heating element. 2,967,415, 1–10–61, Cl. 66—193.
Ford, David. Interchangeable stretching device and clamps. 3,002,726, 10–3–61, Cl. 254—67.
Ford, Don R.: *See*—
Dryer, Peter J., and Harding. 2,999,911.
Ford, Edwin H. Seafood farming apparatus. 2,989,945, 6–27–61, Cl. 119—4.
Ford, Francis P.: *See*—
Gessler, Albert M., and Ford. 2,996,472.
Mercier, Philip L., and Ford. 2,982,756.
Small, Augustus B., Minckler, Ernst, and Ford. 2,981,714.
Ford, Francis P., and S. B. Robison, to Esso Research and Engineering Co. Laminated structures. 2,975,816, 3–21–61, Cl. 152—330.
Ford, Frank M., 35% to J. Ford. Oil purifying apparatus. 2,976,864, 3–28–61, Cl. 123—196.
Ford, Frank R., Ltd.: *See*—
Ford, Ronald M., and Crane. 2,984,179.
Ford, Frank W., Jr. Wheel flange protectors. 2,977,151, 3–28–61, Cl. 301—37.
Ford, Geoffrey E., to Fords (Finsbury) Ltd. Bottle caps. 3,000,526, 9–19–61, Cl. 215—38.
Ford, Geoffrey E., to Fords (Finsbury) Ltd. Machine for applying sealing compound to bottle caps. 3,001,506, 9–26–61, Cl. 118—318.
Ford, Geoffrey E., and B. G. Poynton, to Fords (Finsbury) Ltd. Bottle cap forming apparatus. 2,981,161, 4–25–61, Cl. 93—1.3.
Ford, George W. K., L. M. Wyatt, and O. S. Plail, to United States of America, Atomic Energy Commission. Apparatus for sheathing rods. 2,994,423, 8–1–61, Cl. 205—4.
Ford, Gerald M. Battery charging generator regulator and reverse current eliminating diode. 2,975,352, 3–14–61, Cl. 320—12.
Ford, Gerald M., to United States of America, Navy. Transistor chopper. 3,011,117, 11–28–61, Cl. 321—45.
Ford, Gerald M., to United States of America, Navy. Transistor synchronous rectifier. 3,012,182, 12–5–61, Cl. 321—47.
Ford, Harry L.: *See*—
Fogarty, Wilfred J., Miller, Ford, and Friedman. 3,014,448.
Ford, J. C., Mfg. Co.: *See*—
Ford, John C. 2,967,474.
Ford, James G., T. J. Murrin, and J. H. Bramble, to Westinghouse Electric Corp. Method of producing improved magnetic steel strip. 2,980,561, 4–18–61, Cl. 148—6.15.
Ford, James G., F. A. Sattler, and J. Swiss, to Westinghouse Electric Corp. Insulation system for electrical apparatus containing liquid dielectrics. 2,991,326, 7–4–61, Cl. 174—17.
Ford, John: *See*—
Ford, Frank M. 2,976,864.
Lang, Donald D., and Ford. 3,005,739.
Ford, John C., to J. C. Ford Mfg. Co. Food cooking machine. 2,967,474, 1–10–61, Cl. 99—404.
Ford, John J., Jr., and C. B. Johnson, Jr., to Shell Oil Co. Testing apparatus. 3,013,204, 12–12–61, Cl. 324—34.
Ford, John L., to The Ford Meter Box Co., Inc. Valve construction. 2,993,677, 7–25–61, Cl. 251—148.
Ford, John R.: *See*—
Matson, Leslie E., Jr., Weinstock, and Ford. 2,998,599.
Ford, Lawrence E. Loose paper web handling apparatus for paper machines. 3,011,733, 12–5–61, Cl. 242—67.2.
Ford, Marion D., and L. J. Novak, to The Central Pharmacal Co. Calcium substitution products of dextran. 2,996,496, 8–15–61, Cl. 260—209.
Ford Meter Box Co., Inc., The: *See*—
Ford, John L. 2,993,677.
Ford, Wilbur E., and Hawley. 2,983,970.
Ford Motor Co.: *See*—
Bajer, Jacques. 3,006,672.
Barton, David W. 2,997,123.
Barton, David W., and Ulrich. 2,978,057.
Batley, George C. 3,006,682.
Blanton, Charles H. 2,978,927.
Bleuenstein, Julius M. 2,999,833.
Bliven, Charles V., and Allen. 3,006,441.
Bookout, Charles C., Sattavara, and Taylor. 2,988,889.
Braun, Paul E., Foddy, Stefan, and Was. 2,984,228.
Bryan, Ford R. 2,999,383.
Burhans, Frank M. 3,002,793.
Cahow, Theodore W. 3,011,565.
Carleton, Paul D. 2,977,947.
Chuba, Paul E. 2,969,975.
Cromwell, Herbert F. 2,994,930.
Dameron, Robert O. 2,973,670.
Day, Donald F., Stacy, and Stuyvenberg. 2,997,337.
Daykin, Theodore W. 3,015,056.
De Corte, Michael A., Dameron, and Zundel. 3,006,369.
Demorest, Frank E. 2,969,855.
Duesenberg, Denny D. 2,999,492.
Duffy, James J. 3,004,390.
Duffy, James J. 3,006,365.
Elwell, John R. 2,991,068.
Foddy, Harold W., and Fugazzi. 2,997,037.
Frey, Stuart M., and Gorys. 2,997,122.
Gardner, Robert H. 2,993,574.
Grace, Philip F. 2,975,763.
Grace, Philip F., and Goy. 2,969,725.
Griffith, Bain. 2,987,896.
Grisinger, Arnott B., and Noe. 2,987,345.
Haddad, Charles. 2,990,841.
Halford, George, and Stone. 2,992,015.
Hammond, Albert J. 2,986,769.
Hammond, Albert J. 2,986,770.
Hammond, Albert J. 2,994,907.
Hauswirth, Vernon O., and Tuft. 3,009,306.
Hennessy, Robert E. 2,970,007.
Hershey, Willard J. 2,987,344.
Higginbotham, William W. 2,988,372.
Hildebrandt, Eugene E., and Sterren. 3,006,358.
Hoffmann, Raymond E. 3,006,700.
Hothem, Clarence E. 2,980,888.
Hrabovsky, Joseph V. 2,978,764.
Humenik, Michael, Jr., and Moskowitz. 2,967,349.
Humenik, Michael, Jr., and Parikh. 2,974,404.
Humenik, Michael, Jr., and Van Alsten. 2,983,034.
Irwin, John A. 2,967,224.
Jania, Zbigniew J. 2,987,942.
Jania, Zbigniew J., and Walthall. 2,966,888.
Jewell, Gordon R. 2,975,696.
Jordan, James C. 2,976,068.
Kampe, Dwight F. 2,970,656.
Kaptur, Robert E. 2,966,978.
Kersey, Albert H., and Cooper. 3,002,571.
Knoblock, John E. 2,970,583.
Kopski, Joseph P., and Schmidt. 3,009,850.
Kozicki, Henry J. 2,991,088.
Kozicki, Henry J. 2,998,265.
Kozicki, Henry J. 3,013,813.
Kramer, Clarence F. 2,987,336.
Kramer, Clarence F. 2,997,334.
Kramer, Clarence F. 3,001,835.
Kuypers, Harold A., MacLennan, and Dinger. 2,975,801.
Lemieux, George E., Krithers, and Croswhite. 2,987,943.
Longstreth, William G., and Van Patten. 3,001,869.
Lusznat, Johannes. 2,999,484.
MacPherson, Earle S. 3,001,600.
Macura, Joseph F. 2,975,775.
Moore, Charles D. 2,976,080.
Moore, Harold K. 2,984,766.

Ford Motor Co.: *See*—Continued
Morphew, Laurence R. 3,001,820.
Oldham, James, and Smith. 2,997,531.
Popiel, Edmund J. 3,006,426.
Risk, Thomas H. 2,983,347.
Rocovich, Daniel M. 3,001,287.
Sattavara, Sven W. 2,983,283.
Schubert, Richard C. 3,006,692.
Schwendner, Donald J. 2,967,065.
Shallor, Douglas E. 2,996,912.
Smith, Raymond P. 3,006,683.
Stanis, George A. 2,991,087.
Stockton, Thomas R. 2,973,847.
Stockton, Thomas R. 3,014,567.
Stockton, Thomas R., and General. 2,993,499.
Stwiorok, Andreas. 2,966,901.
Szostak, Henry T. 2,969,990.
Szostak, Henry T. 3,013,809.
Thompson, Lindsay L. A., and Jewell. 2,968,194.
Tuft, Miles H. 2,985,993.
Vanderberg, Lawrence J. 3,007,094.
Vansteenkiste, Rene H. 2,983,338.
Warnick, Alan. 2,981,911.
Webb, Lester I. 3,000,081.
Wenlass, Cravens L. 2,983,829.
Zich, John H., and Oliver. 2,970,810.

Ford Motor Co. Ltd.: *See*—
Creighton, John P. 2,968,287.

Ford, Ralph E., to Fords (Finsbury) Ltd., and L. C. Snelling (London) Ltd. Closing and sealing bottles and other receptacles. 2,974,816, 3–14–61, Cl. 215—40.

Ford, Ralph L., to Giddings & Lewis Machine Tool Co. Anti-friction ways for machine tools. 3,000,674, 9–19–61, Cl. 308—6.

Ford, Ralph L., and C. S. Gladoske, to Giddings & Lewis Machine Tool Co. Hydraulic rotary selector valve. 2,972,357, 2–21–61, Cl. 137—625.11.

Ford, Robert T., to Automatic Electric Laboratories, Inc. Unit type alarm fuse mounting. 3,011,099, 11–28–61, Cl. 317—116.

Ford, Ronald M., and D. P. Crane, to Frank R. Ford Ltd. Duplicating machines. 2,984,179, 5–16–61, Cl. 101—415.1.

Ford, Shelley W. Pliers. 2,986,962, 6–6–61, Cl. 81—383.

Ford, Tirey L.: *See*—
Shaw, John B., Mayo, and Ford. 2,991,336.

Ford, Wilbur E., and H. C. Hawley, to The Ford Meter Box Co., Inc. Mold flask handling system and components thereof. 2,983,970, 5–16–61, Cl. 22—20.

Ford, William E.: *See*—
McIntyre, William D. 2,987,130.

Ford, William W., and A. M. L. Kube, to Phillips Petroleum Co. System for recovery of valuable constituents from normally wasted materials. 2,978,063, 4–4–61, Cl. 183—2.

Forde, Milton N., to Lewis Engineering Co. Rapid-response thermoelectric generator. 2,978,527, 4–4–61, Cl. 136—4.

Fording, William G. Folding bleachers. 2,968,843, 1–24–61, Cl. 20—1.126

Ford-Moore, Arthur H., and G. W. Wood, to Minister of Supply. Manufacture of organic phosphorus compounds. 3,005,003, 10–17–61, Cl. 260—461.

Fords (Finsbury) Ltd.: *See*—
Ford, Geoffrey E. 3,000,526.
Ford, Geoffrey E. 3,001,506.
Ford, Geoffrey E., and Poynton. 2,981,161.
Ford, Ralph E. 2,974,816.

Foreman, Alexander, and G. M. Grimaldi, to Sylvania Electric Products Inc. Component assembly apparatus. 2,968,809, 1–24–61, Cl. 1—3.

Foreman, Clarence P., to The Baird Machine Co. Eccentric live center for turning lathe. 3,009,374, 11–21–61, Cl. 82—33.

Foreman, Ernest E., and I. F. Mattinson. Fuel economizer for piston engine carburetors. 2,991,777, 7–11–61, Cl. 123—122.

Foreman, Lemuel R. Debarking nozzle. 2,969,190, 1–24–61, Cl. 239—597.

Foreman, Robert W., L. S. Szabo, and F. Veatch, to The Standard Oil Co. Electrochemical manufacture of halohydrins. 2,981,667, 4–25–61, Cl. 204—81.

Foreman, William H.: *See*—
Poetker, Henry R. Re. 25,010.

Foreman, William T., and J. J. Fanning, to Baird-Atomic, Inc. Spirit level. 2,973,585, 3–7–61, Cl. 33—212.

Foremost Dairies, Inc.: *See*—
Peebles, David D. 2,992,141.
Peebles, David D., Davis, and Clary. 2,998,315.
Peebles, David D., and Kempf. 3,014,803.

Forestek, Clarence W. Resilient sealing means and method of making same. 2,967,805, 1–10–61, Cl. 204—20.

Forester, Harold E., and M. C. Gross, to Ditto, Inc. Exposure device. 3,007,390, 11–7–61, Cl. 95—76.

Forey, Francois H., to Ltd Societe Anonyme d'Horlogerie. Device for remote-controlling movable mechanical members through transmission means of the reversible motion type. 3,010,328, 11–28–61, Cl. 74—110.

Forgeng, William D.: *See*—
Webb, Watt W., Wissler, and Forgeng. 3,011,870.

Forgeng, William D., and R. W. Gerby, to Union Carbide Corp. Silicon-oxygen-nitrogen composition of matter. 2,968,530, 1–17–61, Cl. 23—203.

Forges et Ateliers de Constructions Electriques Jeumont: *See*—
Devy, Robert C., and Peslier. 2,986,628.

Forgó, László, to Licencia Talamanyokat Ertekesito Vallalat. Pipe joint for heat exchange devices. 2,969,956, 1–31–61, Cl. 257—224.

Forgrove Machinery Co. Ltd., The: *See*—
Brook, Leonard. 2,987,861.
Brook, Leonard, Lazenby, and Wilson. 2,977,731.
Brook, Leonard, and Walker. 2,995,878.
Brook, Leonard, and Walker. 3,001,351.
Hebiij, Hendrik J. 3,001,350.
Morton, David C., and Packman. 2,982,078.
Morton, David C., and Packman. 3,001,344.

Forgue, Stanley V., to Radio Corp. of America. Composite photoconductive layer. 2,967,254, 1–3–61, Cl. 313—65.

Forgy, George R.: *See*—
Lehmkuhl, Charles C., and Forgy. 2,994,211.

Forichon, Alphonse, to Societe dite "Aerazur Construction Aeronautiques." Parachute. 2,997,263, 8–22–61, Cl. 244—145.

Foris, Peter L., to The National Cash Register Co. Photoprinting process and material. 3,001,873, 9–26–61, Cl. 96—29.

Forker, Lee W.: *See*—
Olivieri, Daniel, and Forker. 2,999,213.

Forkner, John H. Food package. 2,970,920, 2–7–61, Cl. 99—171.

Forkner, John H., to The Pillsbury Co. Method of manufacture of a filled cookie. 2,998,318, 8–29–61, Cl. 99—86.

Forman, Benjamin. Flow controlling bottle closures. 2,992,762, 7–18–61, Cl. 222—484.

Forman, Benjamin G., to Formar Industries, Inc. Self-tapping non-conductive fastener. 2,993,950, 7–25–61, Cl. 174—138.

Forman, Philip, to Radio Corp. of America. Radar target position plotting apparatus. 2,998,481, 8–29–61, Cl. 178—7.84.

Forman, Werner, to Artia, podnik zahranicniho obchodu pro dovoz a vyvoz Kulturnich statku. Book for spacial observation of stereoscopic images. 2,972,284, 2–21–61, Cl. 88—30.

Formar Industries, Inc.: *See*—
Forman, Benjamin G. 2,993,950.

Formby, John A. Record controlling apparatus. 2,995,625, 8–8–61, Cl. 178—23.

Formfit Co., The: *See*—
Paveza, Charles. 2,982,287.

Forming Machine Co. of America, Inc., The: *See*—
Simpson, Alvan D. 3,007,518.

Formsprag Co.: *See*—
Zlotek, Thaddeus F. 2,998,875.
Zlotek, Thaddeus F. 2,998,876.
Zlotek, Thaddeus F. 3,012,646.

Formwork Patents Ltd.: *See*—
Richards, Guy. 2,980,216.

Fornas, Levi L. Stacking and nesting box. 2,994,457, 8–1–61, Cl. 220—97.

Fornes, Gaston G., and J. H. Robinson, to Institute of Textile Technology. Winding tension control mechanism. 2,996,870, 8–22–61, Cl. 57—95.

Fornes, George E. Axle pulling device. 3,003,230, 10–10–61, Cl. 29—254.

Forney, Edgar W., to AMP Inc. Method of making an electrical connection. 3,010,184, 11–28–61, Cl. 29—155.55.

Forney, Edgar W., Jr., to AMP Inc. Method and apparatus for forming a crimped connection. 3,010,183, 11–28–61, Cl. 29—155.55.

Forney, Jack D. Carbon arc torch. 3,012,131, 12–5–61, Cl. 219—139.

Forns, Carmen. Dress anchor. 3,004,263, 10–17–61, Cl. 2—74.

Forrer, Gordon R. Circuit-separating device. 3,004,120, 10–10–61, Cl. 200—61.08.

Forrer, Homer W., to The Mead Corp. Wrapper carton for group packaging of different sized articles. 2,986,271, 5–30–61, Cl. 206—65.

Forrer, Homer W., to The Mead Corp. Produce container. 2,990,947, 7–4–61, Cl. 206—45.31.

Forrer, Homer W., to The Mead Corp. Paperboard carrier having means for separating cans therein. 3,006,530, 10–31–61, Cl. 229—40.

Forrer, Homer W., to The Mead Corp. Container locking means. 3,010,638, 11–28–61, Cl. 229—45.

Forrer, Homer W., and P. J. Wood, to The Mead Corp. Paperboard carrier. 2,967,003, 1–3–61, Cl. 220—114.

Forrer, Robert C. Magnetic separator operating in an aqueous medium. 2,976,995, 3–28–61, Cl. 209—223.

Forrest, Charles D.: *See*—
Fassnacht, Hartwell H., Felch, and Forrest. 2,992,087.

Forrest, Effee E. Invalid transfer apparatus. 2,975,435, 3–21–61, Cl. 5—317.

Forrest, Henry G., to H. H. Popham and Co. Ltd. Container. 2,996,178, 8–15–61, Cl. 206—52.

Forrest, John, to The British Oxygen Co. Ltd. Vaporisation of liquefied gases. 2,983,107, 5–9–61, Cl. 62—53.

Forrest, John W., to Technology Instrument Corp. of Acton. Multipoint switch. 2,982,824, 5–2–61, Cl. 200—24.

Forrest, Joseph B. Adjustable grill. 2,974,662, 3–14–61, Cl. 126—30.

Forrest, Wayne S., to The Crandell Corp. Apparatus for manufacturing a composite wood product. 2,988,120, 6–13–61, Cl. 144—279.

Forrester, Clive B., to Talon, Inc. Shoe fastening device. 2,969,573, 1–31–61, Cl. 24—207.

Forrester, Clive B., to Talon, Inc. Shoe fastening device. 2,987,835, 6–13–61, Cl. 36—50.

Forrester, Clive B. Device for vacuum cleaning swimming pools. 3,003,169, 10–10–61, Cl. 15—1.7.

Forrester, Gilbert, to S. D. Warren Co. Apparatus for stacking sheets in precise edge alignment with each other. 2,992,823, 7–18–61 Cl. 271—89.

Forrester, William A., to International Staple and Machine Co. Air powered stapling machine. 2,989,948, 6–27–61, Cl. 121—21.

Forro, Madeleine. Device for determining the absorption curve of radioactive isotopes. 2,978,587, 4–4–61, Cl. 250—83.6.

Fors, Torstein K. L., and N. Å. H. Wimmerstedt, to Aktiebolaget Vibro-Verken. Pressure-fluid operated vibrators. 2,988,338, 6–13–61, Cl. 259—1.

Forsberg, Axel A., to Aktiebolaget Electrolux. Washing machine. 2,993,355, 7–25–61, Cl. 68—131.

Forsberg, James C. Barbecue fuel tray mechanism. 2,998,814, 9–5–61, Cl. 126—25.

Forsberg, Karl V. Packaging machine. 3,001,342, 9–26–61, Cl. 53—112.

Forsberg, Richard P., and K. M. Holland, to Hexcel Products Inc. Ceramic structure and method of making same. 2,977,265. 3–28–61, Cl. 154—43.

Forsberg, Robert D., to Computer Control Co., Inc. Apparatus for winding tapped coils. 3,010,667, 11–28–61, Cl. 242—9.

Forschungslaboratorium Prof. Dr. Ing. Walter Heimann: *See*—
Heimann, Walter, and Gottfried. 3,012,149.

Forse, Harry D.: *See*—
Campbell, Rollin E., and Forse. 2,983,393.

Forsman, Elmer J., to The Babcock & Wilcox Co. Support and expansion apparatus for a vapor generating and superheating unit. 3,001,514, 9–26–61, Cl. 122—510.

Forssell, Karl I. Method of forming a prefabricated stair unit. 2,971,238, 2–14–61, Cl. 25—154.

Forst, John J., and H. M. Campbell, to Olin Mathieson Chemical Corp. Method of making heat exchangers. 2,998,639, 9–5–61, Cl. 29—157.3.

Forst, Josef. Means for sealing the cylinder heads of internal combustion engines. 2,972,341, 2–21–61, Cl. 123—41.72.

Forst, Willi: *See*—
Bauer, Erich, Ebert, Forst, and Pieper. 2,974,093.

Forster, Emil: *See*—
Grunke, Erich. 3,010,485.

Forster, Eric O.: *See*—
Horowitz, Hugh H., and Forster. 3,010,900.
Natkin, Alvin M., Kolfenbach, and Forster. 2,990,345.
Natkin, Alvin M., Kolfenbach, and Forster. 2,990,346.
Natkin, Alvin M., Kolfenbach, and Forster. 2,990,350.
Shewmaker, James E., Forster, Morway, and Panzer. 3,005,774.

Forster, Gerhard, to North American Philips Co., Inc. Circuit arrangement for demodulating and subsequently amplifying television signals modulated onto a carrier. 3,003,027, 10–3–61, Cl. 178—7.3.

Forster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Automatic control system, particularly for hydrostatic transmissions. 2,972,224, 2–21–61, Cl. 60—19.

Forster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Motor vehicle transmission. 2,985,036, 5–23–61, Cl. 74—740.

Förster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Ball bearing combined with a one-way clutch. 3,008,559, 11–14–61, Cl. 192—45.

Förster, Hans-Joachim M., and J. A. Helmer, to Daimler-Benz Aktiengesellschaft. Control device for a servo-steering mechanism of motor vehicles. 2,985,145, 5–23–61, Cl. 121—46.5.

Förster, Johann, to Fa. VDO Tachometerwerke Adolf Schindling G.m.b.H. Apparatus for operation of windshield clearing devices on automotive vehicles. 2,978,727, 4–11–61, Cl. 15—250.2.

Forstmann, Julius G.: *See*—
Leonard, Byron H., Jr. 2,985,264.

Forster, Warren S.: *See*—
Hardy, William B., Forster, and Coleman. 2,976,259.

Försterling, Hans, and H. Peter, to P. Gossen & Co. G.m.b.H. Direct reading color temperature meter. 2,972,282, 2–21–61, Cl. 88—22.5.

Forsyte, Alexander: *See*—
Lee, John C., and Forsyte. 2,967,700.

Forsyte, Alexander, to Baxter Laboratories, Inc. Winding apparatus. 2,995,315, 8–8–61, Cl. 242—85.

Forsyth, Bruce A., and A. S. Taylor, to Imperial Chemical Industries of Australia and New Zealand Ltd. Process for treating foot rot with quarternary ammonium compounds. 2,977,280, 3–28–61, Cl. 167—53.2.

Forsyth, Clark H., to International Harvester Co. Fertilizer distributor. 3,014,622, 12–26–61, Cl. 222—185.

Forsyth Engineering Co.: *See*—
Forsyth, James M., and Clark. 2,967,442.
Forsyth, William F. and F. J. 3,013,185.

Forsyth, Frank J.: *See*—
Forsyth, William F. and F. J. 3,013,185.

Forsyth, Galen E.: *See*—
Cottingham, Morrison, and Forsyth. 2,999,469.

Forsyth, Galen E. Doughnut making machine. 2,966,840, 1–3–61, Cl. 99—354.

Forsyth, James M., and J. G. Clark, to Forsyth Engineering Co. Boring bar. 2,967,442, 1–10–61, Cl. 77—58.

Forsyth, William F. and F. J., to Forsyth Engineering Co. Phase unbalance protective relay. 3,013,185, 12–12–61, Cl. 317—27.

Forsythe, Alan K., to Armstrong Cork Co. Solvent oxidation of linoleum cement. 2,985,535, 5–23–61, Cl. 106—123.

Forsythe, Alan K., and J. A. Parker, to Armstrong Cork Co. Polyester containing ester of levulinic acid and pentaerythritol and drying oil acids with oxidation of polyester product. 2,974,112, 3–7–61, Cl. 260—22.

Forte-Fairbairn Inc.: *See*—
Breen, Stanley. 3,012,193.
Burnette, Thaddeus C., Jr. 2,993,168.

Forter, Jean R.: *See*—
Green, William B., and Fortier. 3,005,867.

Fortescue, Peter, and L. R. Zumwalt, to United States of America, Atomic Energy Commission. Fuel element. 3,010,889, 11–28–61, Cl. 204—193.2.

Fortess, Fred: *See*—
Dayvault, Jack A., and Fortess. 2,999,002.
Salvin, Victor S., Sprague, and Fortess. 2,982,597.

Forth, Edward W., and F. Crescenzo, to Package Machinery Co. Feeding of frozen foods in a vertical flow packaging machine. 2,987,859, 6–13–61, Cl. 53—177.

Forth, Murray W., and H. A. Fink, Jr., to Deere & Co. Baffle plates for crop drier. 3,000,110, 9–19–61, Cl. 34—167.

Fortin, Elmer J. Quick horn release for a lariat. 2,985,138, 5–23–61, Cl. 119—110.

Fortin, Geoffrey E.: *See*—
Brittaine, Lawrence J., and Fortin. 2,984,734.

Fortin, Jean-Julien. Vertical combustion chamber. 2,989,933, 6–27–61, Cl. 110—18.

Fortini, Mario M., to Philco Corp. High speed transistor multivibrator. 2,997,605, 8–22–61, Cl. 307—88.5.

Fortmann, William E., to United Aircraft Corp. Multi-pump system having speed and pressure rise responsive by-pass means. 2,968,348, 1–17–61, Cl. 158—36.4.

Fortmann, William E., to United Aircraft Corp. Minimum flow throttle valve for a jet engine fuel control. 2,986,880. 6–6–61, Cl. 60—39.14.

Fortmann, William E., to United Aircraft Corp. Means for limiting torque in a turbo-prop engine or the like. 2,996,883, 8–22–61, Cl. 60—39.28.

Fortney, Grant S. Attachment for internal combustion engine. 2,971,505, 2–14–61, Cl. 123—119.

Fortuna Foundations, Inc.: *See*—
Murdock, Benjamin. 2,966,912.
Murdock, Benjamin. 2,969,068.

Fortune, Harold G. Convertible trailer. 2,997,192, 8–22–61, Cl. 214—515.

Fortune, William J. Boat ladder. 2,971,601, 2–14–61, Cl. 182—97.

Fortune, William J. Guide for making dado cuts. 3,003,527, 10–10–61, Cl. 144—136.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit breakers. 2,969,446, 1–24–61, Cl. 200—148.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit breakers. 2,969,447, 1–24–61, Cl. 200—148.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit breakers with breaking gaps in compressed air containers carried by insulator pillars. 2,972,666, 2–21–61, Cl. 200—148.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Scavenging means for air blast circuit breaker. 2,987,596, 6–6–61, Cl. 200—148.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Operating device for a blast valve in an air blast circuit breaker. 3,005,077, 10–17–61, Cl. 200—148.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Circuit breaker support structure. 3,011,097, 11–28–61, Cl. 317—99.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Pneumatic operating means for circuit breakers. 3,014,111, 12–19–61, Cl. 200—148.

Forward, Frank A., and H. Veltman, to Sherritt Gordon Mines Ltd. Method for the production of zinc. 2,996,440, 8–15–61, Cl. 204—119.

Fosbrink, Howard and J. H. Chute atructure for fare boxes. 2,990,113, 6–27–61, Cl. 232—7.

Fosbrink, John H.: *See*—
Fosbrink, Howard and J. H. 2,990,113.

Fosdal, Alfred. Dental mirror. 3,014,279, 12–26–61, Cl. 32—69.

Foskett, Kenneth H., to Basic Products Corp. Electrical socket for plug-in instruments. 2,982,828, 5–2–61, Cl. 200—51.1.

Foskett, Maynard L., to Clarage Fan Co. Punch with guide cooperating with a pattern fix on a work piece. 3,000,249, 9–19–61, Cl. 83—249.

Fosness, John P., to North American Aviation, Inc. Catapulted aircraft. 3,001,742, 9–26–61, Cl. 244—63.

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Foss, Carl E. Cooperating container. 3,010,598, 11–28–61, Cl. 220—4.

Foss, Frederic A.: *See*—
Madden, Robert W., Lundberg, Foss, and Marcy. 2,988,818.

Foss, Orlando W., to General Box Co. Cardboard box. 3,004,695. 10–17–61, Cl. 229—23.

Fossler, Mike W.: *See*—
Bratt, Robert W., Kirkland, Kurrasch, and Fossler. 2,971,726.
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Schroeder, Wilburn C., Levene, and Stephenson. 3,001,652.
Foster, Allen D. Stabilizer for bracing loads. 2,973,934, 3–7–61, Cl. 248—356.
Foster, Allan D., to Almor Corp. Shelf construction. 2,975,909, 3–21–61, Cl. 211—150.
Foster, Allan D., to Almor Corp. End shelf bracket. 2,976,003, 3–21–61, Cl. 248—243.
Foster, Allan D., to Almor Corp. Self-unloading checkout counter. 2,980,212, 4–18–61, Cl. 186—1.
Foster, Allan D., to Almar Corp. Check-out counter. 3,011,593, 12–5–61, Cl. 186—1.
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Foster, Berry W. Square free piston engine. 2,974,855, 3–14–61, Cl. 230—56.
Foster, Berry W. Back-to-back centrifugal compressor and centripetal turbine having an integral rotor disc. 2,975,959, 3–21–61, Cl. 230—116.
Foster, Berry W. Integral compressor-engine free-piston gas generators. 2,982,087, 5–2–61, Cl. 60—13.
Foster, Berry W. Ornithopter. 2,985,407, 5–23–61, Cl. 244—22.
Foster, Berry W. Vacuum pump. 2,993,639, 7–25–61, Cl. 230—95.
Foster, Boutwell H., and N. Haddad, to United States Rubber Co. Method of making an inflatable fabric. 3,008,213, 11–14–61, Cl. 28—72.
Foster, Boutwell H., and N. Haddad, to United States Rubber Co. Flexible inflatable fabric and method of making the same. 3,008,214, 11–14–61, Cl. 28—80.
Foster Bros. Plastics Ltd.: *See*—
Foster, David K. D., and Done. 3,013,310.
Foster, Christopher J. Floating dry docks. 2,977,920, 4–4–61, Cl. 114—46.
Foster, Cyril J., and B. S. Naven, to Dearborn Electronic Laboratories of Delaware, Inc. Extended foil capacitor. 2,969,488, 1–24–61, Cl. 317—260.
Foster, David B. Prefabricated buildings. 2,986,243, 5–30–61, Cl. 189—34.
Foster, David B. Prefabricated buildings. 3,010,547, 11–28–61, Cl. 189—34.
Foster, David K. D., and L. D. Done, to Foster Bros. Plastics Ltd. Method of forming flanges on the ends of thermoplastic pipe. 3,013,310, 12–19–61, Cl. 18—56.
Foster, Donald J., to Union Carbide Corp. Method of making vinylpotassium. 2,985,691, 5–23–61, Cl. 260—665.
Foster, Donald J., and E. Tobler, to Union Carbide Corp. Method of making divinylmercury. 2,987,532, 6–6–61, Cl. 260—431.
Foster, Donald J., and D. E. Reed, to Union Carbide Corp. Recovery of quinoline. 2,999,794, 9–12–61, Cl. 202—42.
Foster, Donald J., and E. Tobler, to Union Carbide Corp. Divinylmagnesium and method of making. 2,999,889, 9–12–61, Cl. 260—665.
Foster, Edwin E. Film magazine. 3,001,440, 9–26–61, Cl. 88—17.
Foster, Edwin E. Method for making coil springs. 3,006,400, 10–31–61, Cl. 153—66.
Foster, Eugene L., R. J. Krooss, and E. H. Nahikian. Water treating system. 2,984,250, 5–16–61, Cl. 137—101.11.
Foster, Forrest K., to Revenue Stamp Co. Carton opening device. 2,982,075, 5–2–61, Cl. 53—381.
Foster, George B., to Industrial Nucleonics Corp. Convertible radiation source. 2,999,935, 9–12–61, Cl. 250—83.3.
Foster, George B., and W. E. Van Horne, to Industrial Nucleonics Corp. Automatic control system. 3,013,721, 12–19–61, Cl. 235—151.
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Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,862.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,863.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,864.
Foster Grant Co., Inc.: *See*—
Beauvais, Ramona P. 3,009,163.
Bishop, Richard B., and Pavlin. 2,979,476.
Foster, Harold J.: *See*—
Garito, Joseph F., Foster, and Tiffany. 2,986,087.
Foster, Henry L., Jr.: *See*—
Riggs, Robert F., Foster, and Moran. 2,975,422.
Foster, Herbert R., Jr.: *See*—
Mazza, Harold, Craig, and Foster. 3,007,771.
Foster, Hubert L. Pump. 2,991,721, 7–11–61, Cl. 103—4.
Foster, James H., and P. E. Sterner, to Erie Resistor Corp. Assembly apparatus for electric circuit assemblies. 2,970,369, 2–7–61, Cl. 29—203.
Foster, James R., to Coats Co. Tire bead breaking apparatus. 3,003,544, 10–10–61, Cl. 157—1.26.
Foster, James R., to Coats Co. Tire bead breaking apparatus. 3,008,512, 11–14–61, Cl. 157—1.28.
Foster, Jerry F.: *See*—
Bewley, Lawrence L., and Foster. 3,000,556.
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Green, Kenneth E., Hagan, and Barnes. 2,975,263.
Foster, John R.: *See*—
Eichacker, Homer A., and Foster. 2,991,107.
Foster, Karl: *See*—
Pavlovic, Dusan, and Foster. 2,980,563.
Pavlovic, Dusan, and Foster. 3,005,738.
Foster, Leigh C., to Zenith Radio Corp. Low inductance switch. 2,996,633, 8–15–61, Cl. 313—7.
Foster, Leslie W., to McCulloch Corporation, Marine Products Division. Outboard motor oil filter tube arrangement. 2,969,763, 1–31–61, Cl. 115—18.
Foster, Luther M.: *See*—
Cochran, Charles N., Brandt, and Foster. 2,995,479.
Foster, Max C. Combination sinker and floater device. 3,012,359, 12–12–61, Cl. 43—43.14.
Foster Metal Products Inc.: *See*—
Boots, William C. 2,986,794.
Foster, Michael R., and R. G. Taylor, to General Motors Corp. Fuel pump. 3,008,427, 11–14–61, Cl. 103—150.
Foster Refrigerator Corp.: *See*—
Dickinson, Jack R. 2,968,845.
Foster, Robert D., to Crutcher-Rolfs-Cummings, Inc. Spray coating applicator. 2,986,338, 5–30–61, Cl. 239—222.
Foster, Robert E., and A. F. Kirby, to E. I. du Pont de Nemours and Co. Preparation of ketoximes. 2,967,200, 1–3–61, Cl. 260—566.
Foster, Robert L.: *See*—
Sanford, Robert A., and Foster. 2,992,284.
Foster, Samuel P.: *See*—
Ashby, Clarence E., Foster, and Pieski. 2,993,882.
Foster, Samuel P., to E. I. du Pont de Nemours and Co. Process for improving bursting strength of polyethylene pipe. 2,990,580, 7–4–61, Cl. 18—55.
Foster, Thomas W. F., and W. E. Stephens, to Kaiser Aluminum & Chemical Corp. Method for melting and treating aluminum. 2,987,391, 6–6–61, Cl. 75—68.
Foster, Walter E.: *See*—
Frank, Charles E., and Foster. 3,013,071.
Foster, Walter E., and P. E. Koenig, to Ethyl Corp. Polymeric compositions. 2,998,407, 8,29,61, Cl. 260—46.5.
Foster, Walter E., and P. E. Koenig, to Ethyl Corp. Polymeric compositions. 2,998,440, 8–29–61, Cl. 260—429.7.
Foster, Walter J., to Lenoir Hosiery Mills, Inc. Stocking. 2,974,507, 3–14–61, Cl. 66—182.
Foster, Warren S.: *See*—
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Foster Wheeler Corp.: *See*—
Barton, Francis M. 2,981,241.
Bell, Alan. 2,971,746.
Pepper, Donald J., and Miles. 3,004,328.
Wenz, John. 2,977,827.
Zoschak, Robert J., and Daman. 2,968,288.
Foster Wheeler Ltd.: *See*—
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Foster, William C., to Mobay Chemical Co. Shaping polyurethane plastics. 3,012,283, 12–12–61, Cl. 18—48.
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Poyner, William F. 3,001,511.
Fostoria Corp., The: *See*—
Carter, Richard H. 2,994,480.
White, Howard T. 3,000,322.
Foti, Sam J., to The Auto-Diesel Piston Ring Co. Mold cavity venting device. 2,976,568, 3–28–61, Cl. 18—30.
Fotis, Peter, Jr.: *See*—
Esmay, Donald L., and Fotis. 2,984,687.
Fotis, Peter, Jr., to Standard Oil Co. Telomerization process. 2,984,691, 5–16–61, Cl. 260—668.
Fotland, Richard A., and E. F. Mayer, to General Dynamics Corp. Electrostatic printing. 2,975,052, 3–14–61, Cl. 96—1.
Fotochrome Color Corp.: *See*—
Messina, Edward J. 2,991,578.
Fotsch, Arthur H., and E. J. Kielma, to Kearney & Trecker Corp. Machine tool for removing material from a container. 2,998,333, 8–29–61, Cl. 134—8.
Foufounis, Jean. Record player. 2,992,006, 7–11–61, Cl. 274—10.
Fougera, E., & Co., Inc.: *See*—
Halpern, Alfred. 2,994,641.
Fouillet, Claude A. M., to Productos Mexalit, S.A. Calenders. 2,983,020, 5–9–61, Cl. 25—30.
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Pingree, Samuel J. 3,001,391.
Foulger, Frank, to British Cellophane Ltd. Construction of concrete rafts, roads, aircraft runways and the like. 3,000,276, 9–19–61, Cl. 94—10.
Foulke, Donald G., W. B. Stoddard, Jr., O. Kardos, and W. B. Kleiner, to Hanson-Van Winkle-Munning Co. Electrodeposition of nickel. 2,976,225, 3–21–61, Cl. 204—49.
Foulke, Donald G., O. Kardos, and H. Koretzky, to Hanson-van Winkle-Munning Co. Electrodeposition of nickel. 3,002,902, 10–3–61, Cl. 204—49.
Foulke, Donald G., O. Kardos, and H. Koretzky, to Hanson-van Winkle-Munning Co. Electrodeposition of nickel. 3,002,903, 10–3–61, Cl. 204—49.
Foulke, Donald G., O. Kardos, and H. Koretzky, to Hanson-van Winkle-Munning Co. Electrodeposition of nickel. 3,002,904, 10–3–61, Cl. 204—49.
Foulkes, John D., to Bell Telephone Laboratories, Inc. Analog-digital interconversion circuitry. 2,969,535, 1–24–61, Cl. 340—347.
Foulon, Yvon, to Nord-Aviation, Societe Nationale de Constructions Aeronautiques. Mounting and adjusting device for the inner ring of a combined turbo-jet-ram-jet engine. 3,004,388, 10–17–61, Cl. 60—39.32.
Foundry Equipment Co., The: *See*—
Barnett, Charles H., and Teagle. 2,988,351.

Fountain, Henry, to Viking Instruments, Inc. Flaw detecting apparatus. 2,978,636, 4–4–61, Cl. 324—54.
Fountain, James L., to Facade, Inc. Prefabricated structural modules. 3,002,235, 10–3–61, Cl. 20—11.
Fouquet, Eugene. Apparatus and method for manufacturing flat and curved files. 2,993,390, 7–25–61, Cl. 76—24.
Fouracre, Donald G.: *See*—
Guckelberg, George, and Fouracre. 2,998,668.
Fourcade, Marc C. A., to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Aircraft aerial for decametric-waves. 2,980,910, 4–18–61, Cl. 343—705.
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Fourian, Franz, to J. Peitl. Snow clearing unit. 2,994,138, 8–1–61, Cl. 37—42.
Fourness, Charles A., to Kimberly-Clark Corp. Corrugated packaging material. 2,974,716, 3–14–61, Cl. 154—31.
Fourness, Charles A., and C. B. Sitterson, Jr., to Kimberly-Clark Corp. Cellulosic product. 3,001,644, 9–26–61, Cl. 206—56.
Fournier, Fernand, and A. Rimsky, to Centre Nationale de la Recherche Scientifique. X-ray diffractograph enabling diagrams to be taken at very high temperatures. 3,005,099, 10–17–61, Cl. 250—51.5.
Fournier, Roger H., to Norton Co. Work positioning device. 3,006,118, 10–31–61, Cl. 51—237.
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Fouse, Frederick Z.: *See*—
Fouse, William H. and F. Z. 3,000,140.
Fouse, Samuel S.: *See*—
Weimer, Charles L., and Fouse. 2,970,245.
Weimer, Charles L., and Fouse. 2,997,523.
Fouse, William H. and F. Z., to Anchor Hocking Glass Corp. Automatic weight regulator for glass machines. 3,000,140, 9–19–61, Cl. 49—5.
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Vandercook, Edward O. and D. D., Fouser, and Roozee. 2,998,767.
Foust, Robert A. Iron working machines. 2,974,711, 3–14–61, Cl. 153—78.
Fouts, Thurston R., to Spalding Knitting Mills. Knitting machine. 3,009,339, 11–21–61, Cl. 66—17.
Fowell, Alfred H., to Cutter Laboratories. Process of producing mixture of PTC, proconvertin and prothrombin. 2,999,791, 9–12–61, Cl. 167—74.
Fowell, Edward J. C., to National Research Development Corp. Velocity indicator. 2,979,623, 4–11–61, Cl. 250—220.
Fowlds, Clinton H., to S. & F. Mfg. Co., Inc. Display and dispensing racks. 2,980,259, 4–18–61, Cl. 211—49.
Fowle, Irving H., and F. J. Emminger, to General Aniline & Film Corp. Self-erecting dispensing carton. 2,970,740, 2–7–61, Cl. 229—38.
Fowle, Irving H., and F. J. Emminger, to General Aniline & Film Corp. Paper board folding box. 3,000,547, 9–19–61, Cl. 229—38.
Fowle, Leonard E., to Minneapolis-Honeywell Regulator Co. Mechanical apparatus. 3,015,004, 12–26–61, Cl. 200—46.
Fowle, Merrill J., P. M. Pitts, Jr., and E. Aristoff, to The Atlantic Refining Co. Desulfurization and denitrogenization of coal tar aromatic fractions. 2,990,364, 6–27–61, Cl. 208—209.
Fowler, Alexander and E. R. Press unloader including magnetic lift means and magnetic delivery rollers. 2,976,753, 3–28–61, Cl. 83—82.
Fowler, Andrew H.: *See*—
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Fowler, Benjamin T., to Esso Research and Engineering Co. Fuels. 2,993,766, 7–25–61, Cl. 44—70.
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Fowler, Evelyn R.: *See*—
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Fowler, F. Robert J., to General Motors Corp. Hydraulic coupling with fluid content control. 2,987,887, 6–13–61, Cl. 60—54.
Fowler, Frank, to Benger Laboratories Ltd. Disperser for powders. 2,992,645, 7–18–61, Cl. 128—208.
Fowler, George W., to Union Carbide Corp. Separation of isopropanolamine from dimethylpyrazines and dimethylpiperazines. 2,980,680, 4–18–61, Cl. 260—268.
Fowler, George W., to Union Carbide Corp. Liquid phase dehydration of isopropanolamine. 2,980,682, 4–18–61, Cl. 260—268.
Fowler, George W., and T. F. Carruthers, to Union Carbide Corp. Process for producing lactone adducts. 2,977,385, 3–28–61, Cl. 260—475.
Fowler, Harlan D. Single propeller convertible VTOL. 2,974,899, 3–14–61, Cl. 244—12.
Fowler, Mearl W.: *See*—
Fraser, Charles N., and Fowler. 2,994,500.
Fowler, Morris G.: *See*—
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Fowler, Ora S. Adjustably mounted fishing reel. 2,973,917, 3–7–61, Cl. 242—84.2.
Fowler, Raymond W. Combination boat trailer and sleeper. 3,009,731, 11–21–61, Cl. 296—23.
Fowler, Roland G., O. F. Larsen, P. A. Dale, and M. J. Garvey, to The National Cash Register Co. Calculating machines adapted for tape recording. 2,985,364, 5–23–61, Cl. 235—61.
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Fox, Arthur B., to United States of America, Navy. Glass beads as potting material for electronic assemblies. 3,001,105, 9–19–61, Cl. 317—101.
Fox, Arthur L., and I. J. Krems, to Colgate-Palmolive Co. Treatment of tomato plants to prevent early blight disease. 2,979,436, 4–11–61, Cl. 167—30.
Fox, Benjamin. Printed circuit board connector. 2,994,056, 7–25–61, Cl. 339—17.
Fox, Benjamin. Honeycomb insulator for quick detachable connector. 3,012,220, 12–5–61, Cl. 339—176.
Fox, Carl J., ½ to M. E. Warren. Folding brace for connecting hinged elements. 2,969,249, 1–24–61, Cl. 287—99.
Fox, Charles J., to Eastman Kodak Co. Hydrophilic polypeptides and their preparation. 3,004,004, 10–10–61, Cl. 260—78.
Fox, Clarence D., and J. G. Audet. Machine for washing sugar beets. 2,996,741, 8–22–61, Cl. 15—3.14.
Fox, Dean M., to Socony Mobil Oil Co., Inc. Oil well cementing. 3,010,514, 11–28–61, Cl. 166—21.
Fox, Edward J.: *See*—
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Fox, Edward L. Valve grinding tool. 2,988,856, 6–20–61, Cl. 51—29.
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Fox, Fred K. Tubular drill string member. 2,999,552, 9–12–61, Cl. 175—323.
Fox, Gerald B., to The Hobart Mfg. Co. Washing machine. 2,974,672, 3–14–61, Cl. 134—72.
Fox, Gerald B., and S. O. Thomas, to The Hobart Mfg. Co. Electrical control for a dishwasher. 3,009,466, 11–21–61, Cl. 134—58.
Fox, Gordon, to Koppers Co., Inc. Ingot buggy drive. 2,972,312, 2–21–61, Cl. 104—178.
Fox, Harold T., and W. M. Kennedy, to General Motors Corp. Engine-transmission control for motor vehicles and the like. 3,013,442, 12–19–61, Cl. 74—472.
Fox, Harry A., Jr., G. T. Kerr, and R. H. Zimmerman, to AMP Inc. Clay treatment. 3,012,050, 12–5–61, Cl. 260—448.
Fox, Herman H., to Hoffmann-La Roche Inc. 1-isonicotinyl-2-veratrylidene hydrazine. 2,970,148, 1–31–61, Cl. 260—295.
Fox, Homer M.: *See*—
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Fox, Homer M., to Phillips Petroleum Co. Process for preparing solid propellant charges. 2,970,898, 2–7–61, Cl. 52—5.
Fox, Homer M., to Phillips Petroleum Co. Rocket with gaseous effluent guide. 2,974,476, 3–14–61, Cl. 60—35.6.
Fox, Homer M., to Phillips Petroleum Co. Improved cartridge for producing gas. 2,985,104, 5–23–61, Cl. 102—39.
Fox, Homer M., to Phillips Petroleum Co. Method and apparatus for using ammonia to increase the air specific impulse of a two-stage compressor turbojet engine. 2,987,873, 6–13–61, Cl. 60—35.3.
Fox, Homer M., to Phillips Petroleum Co. Ramjet power plants for missiles. 2,987,875, 6–13–61, Cl. 60—35.6.
Fox, Homer M., to Phillips Petroleum Co. Fuel and oxidant control system and process for variable thrust rocket and jet engines. 2,995,008, 8–8–61, Cl. 60—35.6.
Fox, Homer M., and J. A. Keller, to Phillips Petroleum Co. Solid composite propellants containing decaborane. 3,006,743, 10–31–61, Cl. 52—.5.
Fox, Howard, Corp.: *See*—
Fox, Richard E. 3,000,647.
Fox, Hubert D. Instantaneous water heating system. 2,978,562, 4–4–61, Cl. 219—10.51.
Fox, Irving, and S. Palley, ½ to C. Wolfson, and ½ to Fox-Wiprite Corp. Packaging and dispensing beverage concentrates. 2,977,231, 3–28–61, Cl. 99—79.
Fox, Jack J., and R. Duschinsky, to Hoffmann-La Roche Inc. Nucleosides and their preparation. 3,002,965, 10–3–61, Cl. 260—211.5.
Fox, James E., Jr., to Pan American Petroleum Corp. Process and composition for hydraulically fracturing formations. 2,986,213, 5–30–61, Cl. 166—42.
Fox, John V., to Bomford & Evershed Ltd. Tool attachments for tractors. 3,013,350, 12–19–61, Cl. 37—144.
Fox, Joseph C., and D. M. Palmer. Glass batch preparation. 2,970,924, 2–7–61, Cl. 106—52.
Fox, Lois J.: *See*—
Magnuson, Roy M. 2,985,210.
Magnuson, Roy M. 2,990,665.
Magnuson, Roy M. 2,997,085.
Wood, Richard A. 3,005,935.
Fox, Martin, to The Seng Co. Reclining chair with extensible back. 2,994,363, 8–1–61, Cl. 297—322.
Fox, Martin, to The Seng Co. Sofa beds. 3,005,997, 10–31–61, Cl. 5—17.
Fox, Martin, to The Seng Co. Folding head rest for chair. 3,008,767, 11–14–61, Cl. 297—403.
Fox, Merrill J., to Bell & Howell Co. Feeding mechanism. 2,997,297, 8–22–61, Cl. 271—57.
Fox, Merrill J., to Bell & Howell Co. Clutch mechanism. 3,006,448, 10–31–61, Cl. 192—81.
Fox, Paul L., to United States of America, Navy. Off-mount magazine ammunition transfer mechanism. 2,971,438, 2–14–61, Cl. 89—45.

Fox Products Co.: *See*—
Godshalk, James B., and Mediar. 2,979,650.
Mediar, Lewis A. 2,977,525.
Mediar, Lewis A. 2,978,633.
Mediar, Lewis A. 2,980,842.
Mediar, Lewis A. 2,987,663.
Mediar, Lewis A. 2,999,973.
Witham, Robert E. 2,973,775.

Fox, Richard E., to Howard Fox Corp. Means for adjusting lawn mower wheels. 3,000,647, 9–19–61, Cl. 280—43.17.

Fox, Richard L., J. O. Troemner, and R. L. Jacklin, to Deere & Co. Vehicle transmission control. 2,975,651, 3–21–61, Cl. 74—473.

Fox, Robert E.: *See*—
Gray, Cloyd E., Sherman, Fox, Ferrari, and Bibb. 2,977,914.

Fox, Robert M.: *See*—
Contant, Peter R., Gute, Reese, Schmitz, Fox, and De Rees. 2,985,024.

Fox, Robert M., to General Motors Corp. Adjustable means for a door latch operator. 2,989,333, 6–20–61, Cl. 292—280.

Fox, Russell P.: *See*—
Darland, William G., Jr., Bennett, Bell, Ulrich, and Fox. 2,985,702.

Fox, Sidney: *See*—
Origoni, Victor E., Fox, and Smith. 3,002,010.

Fox, Stewart A., to Nuclear-Chicago Corp. Ionization chamber. 2,998,528, 8–29–61, Cl. 250—106.

Fox, Wilbur E., to Sinclair Refining Co. Process of denitrogenating and dewaxing a lubricating oil extract. 2,990,362, 6–27–61, Cl. 208—33.

Fox, William B., Jr. Flame stabilizer-mixer. 2,973,808, 3–7–61, Cl. 158—1.

Fox, William M., to Bell Telephone Laboratories, Inc. Fabrication of semiconductor devices. 3,005,257, 10–24–61, Cl. 29—471.1.

Fox, William R.: *See*—
Baker, Richard E., and Fox. 3,001,517.

Fox-Wiprite Corp.: *See*—
Fox, Irving, and Palley. 2,977,231.

Fox, Zola, to Thiokol Chemical Corp. Conical injector for rocket motors. 2,975,591, 3–21–61, Cl. 60—35.6.

Fox, Zola, to Thiokol Chemical Corp. Rocket thrust chamber. 2,975,592, 3–21–61, Cl. 60—35.6.

Foxboro Co., The: *See*—
Abraham, John J. 3,012,448.
Allen, Albert. 3,011,854.
Boeke, Jan. 2,985,007.
Boeke, Jan. 3,015,061.
Bowditch, Hoel L. 2,997,637.
Bowditch, Hoel L., and Olsen. 3,005,885.
Clarke, Cyril W. 2,991,006.
Freitas, Manuel P. 2,967,285
Graves, Norman S., and Brite. 3,006,191.
Handel, Neil E., and Sturgeon. 3,006,188.
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Foye, John J., and W. O. Stauffer, to Kaiser Aluminum & Chemical Corp. Continuous casting apparatus. 2,978,761, 4–11–61, Cl. 22—57.2.

Foyn, Johan E. F., to Elektrokemisk A/S. Method of purifying sewage-water. 2,997,430, 8–22–61, Cl. 204—151.

Fraas, Arthur P., and C. B. Mills, to United States of America, Atomic Energy Commission. Neutronic reactor. 3,009,866, 11–21–61, Cl. 204—193.2.

Fraas, Arthur P., and G. F. Wislicenus, to United States of America, Atomic Energy Commission. Heat transfer means. 2,991,980, 7–11–61, Cl. 257—198.

Fraas, Foster, to United States of America, Interior. Electrostatic separator carrier electrode. 3,012,668, 12–12–61, Cl. 209—127.

Fracalossi, Roland N.: *See*—
Seniff, Russell W., and Fracalossi. 3,014,865

Fracassi, Avenire. Locking spring-retained fly hook holder. 2,991,581, 7–11–61, Cl. 43—57.5.

Frachon, Marc. Time switches and the like. 2,980,825, 4–18–61, Cl. 317—141.

Frachon, Marc. Push-rod switches. 2,997,565, 8–22–61, Cl. 200—153

Fraebel, Robert J.: *See*—
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Fraenkel, Herbert, to R. W. Gunson (Seeds) Ltd. Grading machines. 3,002,617, 10–3–61, Cl. 209—97.

Fraga, Frank M. Side draft control unit for tractor-drawn implements. 2,971,775, 2–14–61, Cl. 280—446.

Fraga, John B. Transmission. 2,969,696, 1–31–61, Cl. 74—789.

Fraidenburgh, Carl G., to Burroughs Corp. Multiple item detector for document handling machines. 2,992,822, 7–18–61, Cl. 271—57.

Fraleigh, William P. Sashless window. 3,009,215, 11–21–61, Cl. 20—52.

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Belgarde, Leo, and Frederickson. 2,995,253.
Pritchard, Hugh E. 2,988,170.
Pritchard, Hugh E., and Shaltz. 2,979,159.

Frambes, Roland W., to Philadelphia Brief Case Co. Collapsible flat-lying handle. 2,987,151, 6–6–61, Cl. 190—57.

Frame, James M. Quick opening packless valve. 3,008,684, 11–14–61, Cl. 251—57.

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Schmutzler, Alfred F. 2,990,384.
Schmutzler, Alfred F. 2,990,385.

France, Daniel R. Brass, copper-tin and copper plating bath brightener. 2,989,448, 6–20–61, Cl. 204—44.

France, Harold, and A. Lister, to Imperial Chemical Industries Ltd. Polymeric isocyanates and their manufacture. 2,978,449, 4–4–61, Cl. 260—248.

France, L. D., ½ to W. C. Williams. Permanent lagging. 2,984,872, 5–23–61, Cl. 19—75.

France, Leonard L.: *See*—
Brown, Jack T., Mueller, France, and Cochardt. 2,981,620.

France, Lester E., to The Standard Products Co. Lock structures. 2,989,860, 6–27–61, Cl. 70—135.

France Neckwear Co., Inc.: *See*—
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France, Rollin C., and H. P. Wade, to The Standard Products Co. Keeper structure. 2,996,327, 8–15–61, Cl. 292—340.

France, William L., to Universal-Cyclops Steel Corp. Telescoping immersion thermocouple. 2,971,041, 2–7–61, Cl. 136—4.

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Franceschetti, Alessandro, and G. Gilardi, to Societa Applicazioni Gomma Antivibranti S.A.G.A. S.p.A. Resilient transmission joints for shafts. 2,982,118, 5–2–61, Cl. 64—13.

Franceschini, Lorenzo, to Officine Calileo Societa per Azioni. Sealed magnetic recording device. 3,001,846, 9–26–61, Cl. 346—14.

Francesco Viamara Societá per Azioni: *See*—
Ercoli, Alberto. 2,983,649.
Ercoli, Alberto. 2,992,243.

Franchino, Antonio. Combined cigarette lighter and dispenser. 2,983,407, 5–9–61, Cl. 221—147.

Francik, Carl J., to R. Hoe & Co. Method for splicing rolls of newsprint. 2,998,205, 8–29–61, Cl. 242—58.3

Francik, Carl J., to R. Hoe & Co. Tearable tabs for preparation of newsprint rolls. 3,001,735, 9–26–61, Cl. 242—58.5.

Francis, Alex W., Jr., to National Tank Co. Process and apparatus for recovering hydrocarbons from gas streams. 3,008,539, 11–14–61, Cl. 183—4.7.

Francis, Alfred W., to Socony Mobil Oil Co. Concentration of aromatic hydrocarbons with diluted sulfur dioxide. 3,003,006, 10–3–61, Cl. 260—674.

Francis, Arthur W.: *See*—
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Francis, Frederick G., and J. A. Seaward, to Caribonum Ltd. Thermosensitive colouring materials. 2,992,121, 7–11–61, Cl. 106—23.

Francis, John P. Supporting brackets for automobile awnings. 2,967,690, 1–10–61, Cl. 248—229.

Francis, John P. Windshield awning and supporting means therefor. 2,984,300, 5–16–61, Cl. 160—364.

Francis, John P. Weather protector for automobile windshield. 3,004,301, 10–17–61, Cl. 20—1.12.

Francis, Kenneth E., and F. M. Alexander, to Industrial Nucleonics Corp. Nuclear magnetic resonance measuring and control device. 2,999,976, 9–12–61, Cl. 324—.5.

Francis, Nicholas B. Rifle pellet. 2,982,550, 5–2–61, Cl. 273—106.

Francis, Philip L., to General Motors Corp. Self-leveling fluid spring. 2,998,244, 8–29–61, Cl. 267—65

Francis, Philip L., to General Motors Corp. Vehicle suspension self-leveling composite spring assembly. 3,003,758, 10–10–61, Cl. 267—34.

Francis, Wallace R.: *See*—
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Francis, William J. Black antifouling boottopping paint. 2,989,407, 6–20–61, Cl. 106—17.

Francisco, Allen C., and C. A. Gyorgak, to United States of America, National Aeronautics and Space Administration. Process for applying a protective coating for salt bath brazing. 3,008,229, 11–14–61, Cl. 29—488.

Franck, George E., to The Imperial Eastman Corp. Tube fitting. 2,978,262, 4–4–61, Cl. 285—248.

Franck, George E., to The Imperial Eastman Corp. Plier-type tube bending tool. 2,979,976, 4–18–61, Cl. 81—15.

Franck, Jean-Jacques, and B. Sandor, to Ignicel-Societe Anonyme. Method for fireproofing cellulosic materials. 2,994,620, 8–1–61, Cl. 117—137.

Franck, Kurt, to Holophane Co., Inc. Lighting unit. 2,977,460, 3–28–61, Cl. 240—9.

Francken, Jan C., to North American Philips Co., Inc. High-transconductance cathode-ray tube. 2,991,393, 7–4–61, Cl. 315—30.

Franco, Anthony. Solution-injecting device. 2,993,214, 7–25–61, Cl. 4—228.

Franco, George A., to General Dynamics Corp. Polarization modulating data transmission system. 2,992,427, 7–11–61, Cl. 343—100.

Francois, Marcel P. A., to North American Philips Co., Inc. Method and apparatus for the manufacture of crystalline semiconductors. 3,002,824, 10–3–61, Cl. 23—301.

Francone, Nicola. Hose guard for use during shining of shoes. 3,008,146, 11–14–61, Cl. 2—61.

Franer, Victor R., to Minnesota Mining and Mfg. Co. Label tape and method of applying same to a rubber article. 2,984,596, 5–16–61, Cl. 154—95.

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Frank, Anton R., and W. H. Giles, to Van Buren Machine Corp. Wrapping mechanism and a method of wrapping articles. Re. 25,040, 9–19–61, Cl. 53—27.

Frank, Arthur W., to Basic Products Corp. Furnaces. 2,969,412, 1–24–61, Cl. 13—31.

Frank, Arthur W., to Basic Products Corp. Heat treating apparatus. 2,978,237, 4–4–61, Cl. 263—6.

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Frank, Charles E., and W. E. Foster, to National Distillers and Chemical Corp. Diolefin dimers and acid derivatives thereof. 3,013,071, 12–12–61, Cl. 260—537.

Frank, Dean. Sputnik cap. 2,971,082, 2–7–61, Cl. 240—60.

Frank, Donald G., ½ to H. H. Black. Outboard motor lifting apparatus. 3,008,445, 11–14–61, Cl. 115—41.

Frank, Edmund: *See*—
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Frank, Elmer N. Combined barbecue grill and hand truck. 3,008,463, 11–14–61, Cl. 126—9.

Frank, George H., to Western Electric Co., Inc. Conveyor mechanism. 3,003,614, 10–10–61, Cl. 198—204.

Frank, Gerald F., to General Electric Co. Logic circuits. 2,995,735, 8–8–61, Cl. 340—174.

Frank, Gerald F., to General Electric Co. Condition responsive control circuits. 3,014,159, 12–19–61, Cl. 317—41.

Frank, Gerard A., to Western Electric Co., Inc. Wire spacing device. 2,980,991, 4–25–61, Cl. 29—203.

Frank, John P.: *See*—
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Frank, Karl F., to Micro Balancing, Inc. Instrument cover means. 3,007,602, 11–7–61, Cl. 220—60.

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Frank, Marco, and G. B. Gori, to Fondazione Emanuele Paternó. Apparatus for automatically testing the biological processes according to the turbidity of the medium. 2,990,339, 6–27–61, Cl. 195—139.

Frank, Mark H., to General Motors Corp. Combustion chamber and method of forming combustion chamber cavities. 2,969,718, 1–31–61, Cl. 90—15.

Frank, Mark H., to General Motors Corp. Clutch control. 3,009,554, 11–21–61, Cl. 192—99.

Frank, Paul A., to National Rubber Machinery Co. Silent garbage grinder. 2,975,986, 3–21–61, Cl. 241—100.5.

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Frank, Raymond G., to F. J. Stokes Corp. Rotary molding machine. 2,989,781, 6–27–61, Cl. 18—20.

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Frank, Richard W.: *See*—
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Frank, Robert G., to General Electric Co. Columbium base alloys. 2,973,261, 2–28–61, Cl. 75—174.

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Frank, Wilhelm. Rotatable and tiltable window structures. 3,004,304, 10–17–61, Cl. 20—53.

Frank, Wilhelm, to General Motors Corp. Clutch control. 3,014,381, 12–26–61, Cl. 74—512.

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Frank, William R., to Deere & Co. Disks and disk implements. 3,005,501, 10–24–61, Cl. 172—599.

Frankau, Louis G., and A. F. Pisacane, to General Electric Co. Photo-mechanical method of producing technical drawings and the like. 2,972,533, 2–21–61, Cl. 96—43.

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Franke, Edward L., Jr., to Western Electric Co., Inc. Cleaning apparatus. 2,973,533, 3–7–61, Cl. 15—21.

Franke, Edward L., Jr., to Western Electric Co., Inc. Apparatus for stretching a flexible helical article. 2,994,512, 8–1–61, Cl. 254—51.

Franke, Erich, W. Grolman, B. Braun, and V. Weyrauch, to Eisenwerk Rothe Erde G.m.b.H. Bearing arrangement for supporting a rotatable element of a machine tool or the like. 3,002,429, 10–3–61, Cl. 90—58.

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Franke, Wallace G. Thermostatic means for controlling toilet room fixtures. 3,010,119, 11–28–61, Cl. 4—249.

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Frankel, Milton B., to Aerojet-General Corp. Nitro-dicarbamates. 2,978,489, 4–4–61, Cl. 260—482.

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Frankel, Milton B., to Aerojet-General Corp. Nitrate salts of aliphatic polynitro amines. 2,978,509, 4–4–61, Cl. 260—583.

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Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Nitro-substituted nitraza compounds. 2,978,498, 4–4–61, Cl. 260—482.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Aliphatic nitramines. 2,978,504, 4–4–61, Cl. 260—583.
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Frankel, Milton B., and K. Klager, to Aerojet-General Corp. 1,1,1,3,5,7,7,7 octanitro-3,5-diaza heptane. 2,978,506, 4–4–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Polynitroamines. 2,978,507, 4–4–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Symmetrical secondary aliphatic polynitro diamines. 2,978,508, 4–4–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Polynitro diaza alkanes. 2,978,510, 4–4–61, Cl. 260—583.
Frankel, Milton B., and G. B. Linden, to Aerojet-General Corp. Nitro substituted azaalkanols and their method of preparation. 2,978,512, 4–4–61, Cl. 260—584.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Nitramines. 3,000,948, 9–19–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Nitramines. 3,000,949, 9–19–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Aliphatic nitraza polynitro diamines. 3,000,950, 9–19–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Nitramines. 3,000,951, 9–19–61, Cl. 260—583.
Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Method of preparing polynitro compounds. 3,000,971, 9–19–61, Cl. 260—644.
Frankel, Theodor: *See*—
Brightman, Barrie, and Frankel. 2,968,698.
Brightman, Barrie, Frankel, and Kaye. 2,968,699.
Franken, Jan H., to Bureau van Tongeren N.V. Apparatus for classifying particulate material. 3,006,470, 10–31–61, Cl. 209—132.
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Frankenstein, Edgar L., to Herman Pneumatic Machine Co. Foundry mold forming apparatus. 2,985,927, 5–30–61, Cl. 22—25.
Frankenstein, Edgar L., to Herman Pneumatic Machine Co. Method of forming foundry molds. 2,985,931, 5–30–61, Cl. 22—197.
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Silverstone, Joseph, and Smith. 2,976,869.
Frankenstein, William P. Carton. 2,996,175, 8–15–61, Cl. 206—45.
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Gerbe, John F. 2,990,049
Franker, William A., Jr. Cove construction. 2,994,905, 8–8–61, Cl. 16—7.
Frankische Isolierrohr- und Metallwaren-Werke Gebruder Kirchner: *See*—
Zieg, Wilhelm. 3,012,604.
Frankland, Samuel D., ½ to M. E. Hill. Incinerator. 2,978,998, 4–11–61, Cl. 110—18.
Franklin, Benjamin L. Method of improving the sharpened edge of a blade and apparatus to accomplish the same. 2,989,110, 6–20–61, Cl. 153—85.
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Jackson, Francis L. 2,987,830.
Jackson, Francis L. 3,006,146.
Franklin, John B., to Sanford Process Co., Inc. Process for producing oxide coatings on aluminum and aluminum alloys. 2,977,294, 3–28–61, Cl. 204—42.
Franklin, John J., to Patterson Freezer Corp. Freezer apparatus. 2,993,345, 7–25–61, Cl. 62—63.
Franklin, Leslie U., and J. C. Gebhart, to Gulf Oil Corp. Aluminum soap thickened lubricating oil. 2,998,385, 8–29–61, Cl. 252—37.7.
Franklin, Philip J., to United States of America, Army. Explosive train. 2,996,007, 8–15–61, Cl. 102—22.
Franklin, Philip J., R. F. Shoemaker, and R. W. Tucker, to United States of America, Army. Switching circuit employing single shot low voltage switches. 2,986,660, 5–30–61, Cl. 307—108.
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Franks, Roye W. Draft control device. 2,978,184, 4–4–61, Cl. 236—45.
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Frantello, Alfio A., ½ to Our Lady of the Genesee Abbey, ⅛ to Donald Frantello, ⅛ to Donna Frantello, ⅛ to K. Frantello, and ⅛ to Dolores Frantello. Arrow release for bows in archery. 3,010,446, 11–28–61, Cl. 124—30.
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Frantello, Donald: *See*—
Frantello, Alfio A. 3,010,446.
Frantello, Donna: *See*—
Frantello, Alfio A. 3,010,446.
Frantello, Karen: *See*—
Frantello, Alfio A. 3,010,446.
Frantik, Rudolph O., to United States of America, Navy. Projectile. 2,996,010, 8–15–61, Cl. 102—93.
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Frantz, Charles E., and W. E. Cawley, to United States of America, Atomic Energy Commission. Tube splitting apparatus. 2,983,042, 5–9–61, Cl. 30—91.
Frantz, Charles E., and W. E. Cawley, to United States of America, Atomic Energy Commission. Broaching and tube-installing apparatus. 2,983,989, 5–16–61, Cl. 29—95.1.
Frantz, Charles E., W. E. Cawley, and R. F. Warnick, to United States of America, Atomic Energy Commission. Integral positioning and indicating device. 2,994,019, 7–25–61, Cl. 317—246.
Frantz, Frederick H., to General Aniline & Film Corp. Dinzo type printing apparatus. 2,990,763, 7–4–61, Cl. 95—77.5.
Frantz, Hermann, to International Business Machines Corp. Pulse controlled multivibrator. 2,981,848, 4–25–61, Cl. 307—88.
Frantz, Markey. Building block and wall construction made therefrom. 2,994,162, 8–1–61, Cl. 50—454.
Frantz, Nicholas: *See*—
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Frantz, Russell K., to Air Reduction Co., Inc. Vinyl ester treatment. 2,992,246, 7–11–61, Cl. 260—410.9.
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Franz, Arvel O., to Chemical Products Corp. Process for producing hydroxides. 3,013,861, 12–19–61, Cl. 23—184.
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Franz, Erwin E., deceased (A. L. Franz, executrix), to Bell Telephone Laboratories, Inc. Process for making printed circuits. 2,969,300, 1–24–61, Cl. 154—96.
Franz, Ethan W. P., to R. R. Young, and G. H. Meyfarth, Jr. Belt conveyor structures. 2,987,167, 6–6–61, Cl. 198—195.
Franz, Ethan W. P., to R. R. Young, and G. H. Meyfarth, Jr. Conveyor mechanism. 2,987,168, 6–6–61, Cl. 198—195.
Franz, John E., to Monsanto Chemical Co. Preparation of P-toluenesulfonyl isocyanate. 2,974,164, 3–7–61, Cl. 260—545.
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Applegath, Fred, and Franz. 2,992,897.
Applegath, Fred, and Franz. 2,992,898.
Applegath, Fred, and Franz. 2,993,044.
Franz, Robert A. Crop guard for sprinklers. 2,973,148, 2–28–61, Cl. 239—230.

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Franzen, Tore, to Kelsey-Hayes Co. Road wheel with vulcanized wear ring. 2,984,524, 5–16–61, Cl. 305—56.

Franzene, Robert D., to Burgess Cellulose Co. Sponge type wringer mop. 2,977,619, 4–4–61, Cl. 15—119.

Franzese, Michael. Sun tan fixture. 3,009,055, 11–14–61, Cl. 240—51.11.

Franzone, John, and C. L. Herbst, to Fawn Plastics Co., Inc. Plastic electroluminescent lighting articles and method of fabrication thereof. 3,012,164, 12–5–61, Cl. 313—108.

Franzus, Boris, to Phillips Petroleum Co. Inhibition of mold corrosion for quaternized polymers. 2,999,837, 9–12–61, Cl. 260—45.7.

Frasch, Mary E. Paper head-dress. 2,985,886, 5–30–61, Cl. 2—209.3.

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Fraser, Alton W., J. M. Looney, Jr., and R. M. Martin, to Technology Instrument Corp. Rotary potentiometers. 3,007,126, 10–31–61, Cl. 338—172.

Fraser, Andrew. Vaned rotary pumps and motors. 2,974,603, 3–14–61, Cl. 103—121.

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Fraser, Donald A., and A. L. J. Raum, to The Distillers Co. Ltd. Polymerisation process. 2,999,088, 9–5–61, Cl. 260—94.3.

Fraser, Grover D., to Ingersoll-Rand Co. Double acting rotary compressor. 2,990,109, 6–27–61, Cl. 230—158.

Fraser, Grover D., and J. Le Valley, to Ingersoll-Rand Co. Bearing. 2,982,587, 5–2–61, Cl. 308—174.

Fraser, Hugh, and W. G. Cantlay. Means for connecting overhead high tension electrical cables to the insulators of transmission towers. 3,005,866, 10–24–61, Cl. 174—45.

Fraser, Hugh D., to Westinghouse Electric Corp. Method of dosing mercury vapor lamps. 3,005,674, 10–24–61, Cl. 316—22.

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Fraser, James, to Speakman Co. Shower head having a constant volume automatic flow control device therein. 3,007,648, 11–7–61, Cl. 239—460.

Fraser, James, and E. S. McLean, to Speakman Co. Self closing measuring valve. 2,991,795, 7–11–61, Cl. 137—244.

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Fraser, Robert A., to Riegel Textile Corp. Labeling tag for gloves or similar articles. 2,995,845, 8–15–61, Cl. 40—2.

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Flanagan, William H., Jr., and Fraser. 2,972,727.

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Fraser, William M., to Westinghouse Electric Corp. Alloy and method. 3,013,329, 12–19–61, Cl. 29—182.5.

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Frashour, Ronald G., and W. H. Cooke, to State of Oregon, acting by and through the Oregon State Board of Forestry. Composite bevel siding and method for its fabrication. 3,003,205, 10–10–61, Cl. 20—91.

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Frazer, Jack W., and R. T. Holzmann, to United States of America, Atomic Energy Commission. Method for producing diboron tetrachloride. 2,994,652, 8–1–61, Cl. 204—157.

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Frazier, Howard L., to Edwin J. Schoettle Co., Inc. Container construction. 3,000,548, 9–19–61, Cl. 229—51.

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Frazza, Everett J., and L. Rapoport, to American Cyanamid Co. Nβ-cyanovinyl succinimide. 2,992,223, 7–11–61, Cl. 260—281.

Frazza, Everett J., and J. A. Price, to American Cyanamid Co. Copolymers of beta-cyanovinylamines. 3,001,974, 9–26–61, Cl. 260—85.5.

Frazza, Everett J., and L. Rapoport, to American Cyanamid Co. β-cyanovinylamines. 3,001,995, 9–26–61, Cl. 260—247.

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Freche, John C., to United States of America, Administrator of National Aeronautics and Space Administration. High temperature nickel-base alloy. 2,971,837, 2–14–61, Cl. 75—171.

Freche, John C., to United States of America, National Aeronautics and Space Administration. High temperature nickel base alloy. 2,971,838, 2–14–61, Cl. 75—171.

Freche, John C., R. A. McKinnon, and J. M. Braschwitz, to United States of America, National Aeronautics and Space Administration. External liquid-spray cooling of turbine blades. 2,974,925, 3–14–61, Cl. 253—39.15.

Frechette, Kenneth R., to Royal McBee Corp. Type action for electric typewriters and the like. 3,001,626, 9–26–61, Cl. 197—17.

Frechette, Kenneth R., to Royal McBee Corp. Type action. 3,001,627, 9–26–61, Cl. 197—17.

Frechtmann, Jean, and W. Treu. Method and apparatus for forming sealed packages. 2,977,729, 4–4–61, Cl. 53—29.

Fredd, John V., to Otis Engineering Corp. Offset mandrel and tools. 2,988,146, 6–13–61, Cl. 166—117.5.

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Frederick, Harold M., and T. J. Misbin, to Burroughs Corp. Item feeding and aligning apparatus. 2,995,364, 8–8–61, Cl. 271—52.

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Fredrick, William H., ½ to N. Gilbert. Comestible storage and display device. 3,010,290, 11–28–61, Cl. 62—251.

Fredricks, Anthony T., and G. K. Steele. Endless track for self-propelled snow traversing vehicle. 2,992,862, 7–18–61, Cl. 305—56.

Fredricks, Anthony T., and G. K. Steele. Drive wheel mechanism for self-propelled snow traversing vehicle. 2,992,863, 7-18-61, Cl. 305—57.

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Fredrikson, Tore K., to Teletype Corp. Mechanical recorder. 2,993,951, 7-25-61, Cl. 178—1.

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Freebairn, Darwin L., and J. M. Slater, to North American Aviation, Inc. Self-compensating gyro apparatus. 2,999,391, 9-12-61, Cl. 74—5.37.

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Freed, Ernest. Treatment of beverages affected by metal casse. 2,995,446, 8-8-61, Cl. 99—36.

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Freedman, Larry A., to Radio Corp. of America. Signal receiving systems. 2,967,236, 1-3-61, Cl. 250—20.

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Freedman, Larry A., and R. N. Rhodes, to Radio Corp. of America. Automatic gain control system. 2,993,621, 8-8-61, Cl. 178—7.3.

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Freedman, Louis, and S. L. Shapiro. Process and composition for lowering blood serum cholesterol and chylomicron levels. 2,978,381, 4-4-61, Cl. 167—65.

Freedman Samuel, to Geolectronics Inc. Method and apparatus for conducting geophysical explorations. 2,991,411, 7-4-61, Cl. 324—5.

Freedom, Thomas C., to AMP Inc. Explosive crimping tool. 2,995,053, 8-8-61, Cl. 81—15.

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Freeman, Ardee H., to Bell Intercontinental Corp. Separator for particulate materials. 3,005,547, 10-24-61, Cl. 209—32.

Freeman, Arnold B., to Goodyear Aircraft Corp. Method of making tube-like articles and parts thereof. 2,976,198, 3-21-61, Cl. 154—81.

Freeman, Carl R., to Sylvania Electric Products Inc. Grid loading device. 2,978,125, 4-4-61, Cl. 214—312.

Freeman, Carl R. Heating apparatus and system. 3,010,380, 11-28-61, Cl. 98—40.

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Freeman, David A. Press plate and method of making same. 2,970,393, 2-7-61, Cl. 38—66.

Freeman, David A. Device for folding garments. 3,013,704, 12-19-61, Cl. 223—37.

Freeman, Donald C., Jr., to Union Carbide Corp. Metal-loaded molecular sieves. 3,013,989, 12-19-61, Cl. 252—455.

Freeman, Eben W., L. O. Goff, and R. C. Rose, to S. D. Warren Co. Method and apparatus for cast-coating paper. 2,997,406, 8-22-61, Cl. 117—64.

Freeman, Ernest G. Trailer awning support structure. 2,967,535, 1-10-61, Cl. 135—5.

Freeman, Frank G., and E. H. Warne, to Joseph Lucas (Industries) Ltd. Means limiting the rate of change of fuel flow to gas turbines. 2,981,321, 4-25-61, Cl. 158—364.

Freeman, Herbert, to Sperry Rand Corp. Predetermined pulse selector. 2,970,763, 2-7-61, Cl. 235—132.

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Broadway, John D., and Freeman. 2,982,409.

Freeman, Howard I.: *See*—
Abbott, Corliss W., and Freeman. 2,975,147.

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Freeman, Jack A., to United States Steel Corp. Wire vibratory apparatus for continuous processing lines. 2,989,942, 6-27-61, Cl. 118—57.

Freeman, Jack L. Scrap sheet metal balers. 2,987,989, 6-13-61, Cl. 100—218.

Freeman, James F., to McGraw-Edison Co. Transversal-phonographic machines. 2,973,967, 3-7-61, Cl. 274—11.

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Freeman, Lawson J., Jr., 35% to J. O. Theriot, and 65% to A. J. Lambert. Stud anchor plate. 2,966,708, 1-3-61, Cl. 20—95.

Freeman, Lewis G. Adjustable lamp. Re. 25,106, 12-26-61, Cl. 248—287.

Freeman, Lewis G. Adjustable lamp. 2,979,303, 4-11-61, Cl. 248—287.

Freeman, Lewis G. Adjustable swingable tray. 2,991,138, 7-4-61, Cl. 311—37.

Freeman, Lewis G. Adjustable folding table. 2,992,871, 7-18-61, Cl. 311—20.

Freeman, Marshall E. C., S. Puccinelli, and S. H. Creed, to Food Machinery and Chemical Corp. Fruit processing machine. 2,975,813, 3-21-61, Cl. 146—43.

Freeman, Marshall E., and J. C. Gilmore, to International Business Machines Corp. Jet assisted sleeve valve. 2,996,078, 8-15-61, Cl. 137—620.

Freeman, Mathew L. Valves. 2,969,811, 1-31-61, Cl. 137—627.5.

Freeman, Michael W. Metal coating composition and method of coating. 2,992,948, 7-18-61, Cl. 148—6.24.

Freeman, Morris M., to Bedding Manufacturers Associates, Inc. Mattress. 2,975,437, 3-21-61, Cl. 5—351.

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Freeman, Percy F. Automatic bale tying device. 2,981,174, 4-25-61, Cl. 100—21.

Freeman, Percy F. Mowing machine with reciprocating sickle bars. 3,010,268, 11-28-61, Cl. 56—25.

Freeman, Peter K., and W. H. Peterson, to Shell Oil Co. Hydrophobic oleophilic organs clay-thickened lubricating oil. 2,986,520, 5-30-61, Cl. 252—49.6.

Freeman, Robert L., to A. C. Nielsen Co. Compositing system. 2,985,498, 5-23-61, Cl. 346—33.

Freeman, Robert L., to A. C. Nielsen Co. Power failure indicating device. 3,012,179, 12-5-61, Cl. 318—445.

Freeman, Robert R., to United States of America, Army. Apparatus for the cultivation of microorganisms. 2,970,088, 1-31-61, Cl. 195—142.

Freeman, Robert R., to United States of America, Army. Diapinch valve for hazardous materials. 2,994,337, 8-1-61, Cl. 137—312.

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Freeman, Stephan T. Dental X-ray device. 2,976,417, 3-21-61, Cl. 250—65.

Freeman, Warren R. Wire cutter with removable cutting bar. 2,985,958, 5-30-61, Cl. 30—182.

Freeman, Wilbern M. Automatic automobile transmission safety device. 3,014,549, 12-26-61, Cl. 180—82.

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Fremion, Maurice. Water-mixing arrangement for shower baths. 2,969,923, 1–31–61, Cl. 239—415.
Fremstad, Viles K., to Ajax Hardware Mfg. Corp. Magnetic latch. 2,990,210, 6–27–61, Cl. 292—251.5.
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French, Elby E., to O. K. Rubber Welders, Inc. Rotatable tire supporting stand. 2,973,791, 3–7–61, Cl. 144—288.
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French, Gary N.: *See*—
French, Carl D. 2,991,764.
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Luks, Daniel W., and Kenyon. 2,982,664.
Frenck, Harold. Lashing hook. 2,994,293, 8–1–61, Cl. 114—218.
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Frenkel, Meyer S., to Frenkel C-D Aktiengesellschaft. Means for making strengthened pipe from drawable material. 2,989,778, 6–27–61, Cl. 18—14.
Frenkel, Robert. Golf trainer having optical viewing means. 3,000,261, 9–19–61, Cl. 88—74.
Frentrop, Arthur H., to Schlumberger Well Surveying Corp. Well logging apparatus. 2,983,820, 5–9–61, Cl. 250—84.5.
Frentzel, Herman C. Looms. 2,974,686, 3–14–61, Cl. 139—29.
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Frerichs, Rudolf, to Research Corp. Method for preparing infrared transmittable arsenic trisulfide. 2,979,382, 4–11–61, Cl. 23—126.
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Fresard, Marcel, to Mefina S.A. Accessories for facilitating the making of button-holes, particularly by means of a sewing-machine. 3,009,429, 11–21–61, Cl. 112—158.
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Freund, John M., to United States of America, Navy. Stack construction for deferred action type battery. 2,981,779, 4–25–61, Cl. 136—90.
Freundt, Edmund J., to G. E. Freundt. Pushbutton supervised fire detection system. 3,011,161, 11–28–61, Cl. 340—214.
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Freundt, Edmund J. 3,011,161.
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Frevel, Ludo K., and L. J. Kressley, to The Dow Chemical Co. Selective hydrogenation of acetylene in ethylene. 2,981,769, 4–25–61, Cl. 260—677.
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Frey, Cleon F., to Standard Coil Products Co., Inc. Tuner for television receivers. 2,967,238, 1–3–61, Cl. 250—40.
Frey, Edward J., to General Motors Corp. Washing machine having a centrifugal extractor and dryer. 2,975,626, 3–21–61, Cl. 68—19.
Frey, Frederick E., to Phillips Petroleum Co. Process for the reactivation of aluminum chloride-hydrocarbon catalyst. 2,999,071, 9–5–61, Cl. 252—415.
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Frey, Hans-Helmut, and K. Kahrs, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Method for the preparation of chlorofluorocarbon oils or waxes. 2,969,403, 1–24–61, Cl. 260—653.1.
Frey, Harold J., Jr., and R. C. Voter, to E. I. du Pont de Nemours and Co. Apparatus for the galvanic analysis of hydrogen. 3,003,932, 10–10–61, Cl. 204—1.
Frey, Hugh B., Jr., to American Optical Co. Television systems embodying fiber optical devices and method of making the same. 2,983,835, 5–9–61, Cl. 313—89.
Frey, Simon. Detachable top lift for shoe heels. 2,991,565, 7–11–61, Cl. 36—36.
Frey, Stuart M., and J. P. Gorys, to Ford Motor Co. Vehicle body. 2,997,122 8–22–61, Cl. 180—64.
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Freyer, Ernest T. and C. F. Hair retainer. 2,989,058, 6–20–61, Cl. 132—48.
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Friauf, George F., and B. Thorley, to Cabot Corp. Carbon black process. 3,010,795, 11–28–61, Cl. 23—209.
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Frick, Raymond C., and F. R. Rogers, to The Bendix Corp. Rotary actuator. 3,011,483, 12–5–61, Cl. 121—41.
Frick, Wilhelm E., G. Schetty, and W. Stammbach, to J. R. Geigy, A.-G. Improvement of the water solubility of keratin protecting substances. 3,011,942, 12–5–61, Cl. 167—37.
Frick, William H. Dish stack divider. 2,972,421, 2–21–61, Cl. 211—184.
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Ellerbeck, Grant C. 3,003,690.
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Fried, Josef, to Olin Mathieson Chemical Corp. 16-ethers and 16,17-cycloborate esters of 16α,17α-dihydroxyprogesterone and process of preparing. 3,006,930, 10–31–61, Cl. 260—397.4.
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Fried, Josef, and P. A. Diassi, to Olin Mathieson Chemical Corp. 11β,12β-epoxy and 12α-bromo steriods of the pregnane series and their method of preparation. 2,973,377, 2–28–61, Cl. 260—397.45.
Fried, Josef, and J. E. Herz, to Olin Mathieson Chemical Corp. 12α-halo steroids of the pregnane series. 2,988,555, 6–13–61, Cl. 260—397.45.
Fried, Josef, and P. A. Diassi, to Olin Mathieson Chemical Corp. Steroidal intermediates. 2,995,550, 8–8–61, Cl. 260—239.55.
Fried, Josef, and J. E. Herz, to Olin Mathieson Chemical Corp. 9α-fluoro-12β-hydroxy derivatives of the pregnane series. 3,000,911, 9–19–61, Cl. 260—397.3.
Fried, Josef, and P. A. Principe, to Olin Mathieson Chemical Corp. 6α-halo-11α-hydroxy steroids of the pregnane series and esters thereof. 3,004,047, 10–10–61, Cl. 260—397.45.
Fried, Josef, and J. E. Herz, to Olin Mathieson Chemical Corp. 12α halo-Δ20(22)-furostene-3β 26 diol -11-one 3,26-diacylate and preparation thereof. 3,005,817, 10–24–61, Cl. 260—239.55.
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Fried, Josef, and P. A. Diassi, to Olin Mathieson Chemical Corp. 16,17-cyclic ketals and acetals of 16α,17α-dihydroxyprogesterone. 3,008,958, 11–14–61, Cl. 260—239.55.
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Friedell, Morley V., to C. A. Norgren Co. Liquid level responsive device. 2,999,913, 9–12–61, Cl. 200—84.
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Friedlander, Henry Z., to American Cyanamid Co. Polymerization system for vinyl aromatic monomers. 3,008,942, 11–14–61, Cl. 260—93.5.
Friedlander, Herbert N., and R. H. Baldwin, to Standard Oil Co. Production of polybasic aromatic acids. 2,970,169, 1–31–61, Cl. 260—524.
Friedlander, Sidney L., and A. Hertzberg, to Davis Products, Inc. Pool structure. 2,989,757, 6–27–61, Cl. 4—172.
Friedlander, William: *See*—
Miracki, Zdzislav S., and Friedlander. 3,013,547.
Friedman, Arthur E., to Air Controls, Inc. Stamped thrust collar. 3,003,833, 10–10–61, Cl. 308—163.
Friedman, Bernard S., and S. M. Cotton, to Sinclair Refining Co. Olefin self-esterification. 2,975,199, 3–14–61, Cl. 260—410.9.
Friedman, Bernard S., F. L. Morritz, C. D. Keith, R. R. Chambers, and J. L. Gring, to Sinclair Refining Co. Reactivation of sulfonated hydrogen ion exchange resin catalysts. 2,992,189, 7–11–61, Cl. 252—413.
Friedman, Bernard S., and S. M. Cotton, to Sinclair Refining Co. Production of acids and esters. 3,005,846, 10–24–61, Cl. 260—497.
Friedman, Cecil A.: *See*—
Fein, Marvin M., and Friedman. 2,978,416.
Friedman, David S., and L. Young, to Westinghouse Electric Corp. Electromagnetic wave energy responsive apparatus. 2,993,181, 7–18–61, Cl. 333—17.
Friedman, Elliott A. Distillation apparatus. 2,975,107, 3–14–61, Cl. 202—52.
Friedman, Erwin H. Plugs suitable for functioning with a self timer and also for supporting a testing bulb for testing photographic flashlamps and circuits. 2,987,590, 6–6–61, Cl. 200—51.
Friedman, Francis L.: *See*—
Wigner, Eugene P., Szilard, Christy, and Friedman. 2,986,510.
Friedman, Harry S., and S. Phillips, to Redfield Gun Sight Co. Telescopic gun sight having axially adjustable eyepiece and parallax tube. 2,997,916, 8–29–61, Cl. 88—32.
Friedman, Herbert. Monochromatic X-ray source. 2,998,524, 8–29–61, Cl. 250—86.
Friedman, Herbert, to J. J. Maguire, trading as J. J. Maguire Co. Method and means for gauging fine strands. 3,011,055, 11–28–61, Cl. 250—52.
Friedman, Irving, and R. L. Smith, to United States of America, Interior. Method for determining the authenticity of ancient artifacts made of obsidian. 3,010,208, 11–28–61, Cl. 33—1.
Friedman, Jay L., to Artcraft Venetian Blind Mfg. Co. Apparatus for making Venetian blind slats. 3,006,031, 10–31–61, Cl. 18—19.
Friedman, Jerome. Rotary marking tool. 2,974,583, 3–14–61, Cl. 101—28.
Friedman, Jerome. Rotary marking tools. 2,996,977, 8–22–61, Cl. 101—5.
Friedman, John M.: *See*—
Martin, Harry. 2,997,444.
Friedman, Leon S., E. L. Spencer, and L. Seligson, to National Aluminum Co. Ceiling suspension rail. 3,000,474, 9–19–61, Cl. 189—36.
Friedman, Lester, to Weston Chemical Corp. Hydroxy propoxy propyl phosphites. 3,009,939, 11–21–61, Cl. 260—461.
Friedman, Louis D., to Texaco Inc. Method of regenerating reforming catalysts. 2,993,854, 7–25–61, Cl. 208—136.
Friedman, Marshall R. Garment hanger. 2,981,451, 4–25–61, Cl. 223—88.
Friedman, Merrill P., to Identification, Inc. Device for tagging garments. 3,001,270, 9–26–61, Cl. 29—241.

Friedman, Nathan: *See*—
Pagliaro, Paul, and Friedman. 3,001,822.
Friedman, Orrie M. Controlled degradation of phosphoric acid links in deoxyribose nucleic acid. 3,010,954, 11–28–61, Cl. 260—211.5.
Friedman, Ralph M. C. Play equipment. 2,995,835, 8–15–61, Cl. 35—26.
Friedman, Richard: *See*—
Fogarty, Wilfred J., Miller, Ford, and Friedman. 3,014,448.
Friedman, Robert G., to The National Machinery Co. Header slide counter-balance apparatus. 2,970,327, 2–7–61, Cl. 10—15.
Friedman, Robert G., to The National Machinery Co. Tong feed forging machine with supplemental work support and transfer means. 2,997,725, 8–29–61, Cl. 10—12.
Friedman, Robert H.: *See*—
Robinson, Leon H., Jr., and Friedman. 3,014,423.
Friedman, Sol. Spaceship navigation game apparatus. 3,012,368, 12–12–61, Cl. 46—226.
Friedman, Sol. ICBM game. 3,012,779, 12–12–61, Cl. 273—1.
Friedman, Sol. Jet dogfight game. 3,012,780, 12–12–61, Cl. 273—1.
Friedmann, Gerald L., to General Motors Corp. Jet thrust reversing means for jet engines. 2,994,193, 8–1–61, Cl. 60—35.54.
Friedrich, Albert, A. Lentz, and B. Kirchgassner, to Heinrich Lanz, A.G. Power transmission for motor vehicles. 3,011,353, 12–5–61, Cl. 74—15.8.
Friedrich, Albert, H. G. F. Roessler, G. F. Fueglein, and A. L. Seng, to Daimler Benz Aktiengesellschaft. Apparatus for processing agricultural products. 2,993,320, 7–25–61, Cl. 56—20.
Friedrich, Emil: *See*—
Schuller, Werner H. W., and Friedrich. 2,987,761.
Friedrich, Frank D.: *See*—
Mitchell, Earland R., and Friedrich. 2,967,496.
Mitchell, Earland R., and Friedrich. 3,014,439.
Friedrich, Hermann, and R. Gosswald, to Schenley Industries, Inc. Hyaluronidase with heparin or heparinoids in ointment compositions. 2,976,212, 3–21–61, Cl. 167—63.
Friedrich, Louis C., Jr., J. W. Peters, and M. R. Rector, to The Dow Chemical Co. Process for preparing normally crystalline vinylidene chloride polymers. 2,968,651, 1–17–61, Cl. 260—87.7.
Friedrich, Martin E., to E. I. du Pont de Nemours and Co. Process for chlorinating nitro aromatic hydrocarbons. 3,005,031, 10–17–61, Cl. 260—646.
Friedrich, Ralph E., R. M. Wiley, and W. L. Garrett, to The Dow Chemical Co. Inverse suspension polymerization of water soluble unsaturated monomers. 2,982,749, 5–2–61, Cl. 260—23.
Friedrich, Robert E., to Westinghouse Electric Corp. Circuit interrupter. 2,967,221, 1–3–61, Cl. 200—145.
Friedrich, Robert E., to Westinghouse Electric Corp. Circuit interrupters. 2,979,591, 4–11–61, Cl. 200—148.
Friedrich, Robert E., to Westinghouse Electric Corp. Circuit interrupters. 2,981,814, 4–25–61, Cl. 200—148.
Friedrich, Robert J., to Consolidation Coal Co. Method for preparing coke oven feed from coal-char blends. 2,979,441, 4–11–61, Cl. 202—33.
Friedrichsen, Hans M., to Elliott Addressing Machine Co. Stencil-character-forming apparatus. 3,000,487, 9–19–61, Cl. 197—130.
Friel, Lester D., to Minneapolis-Honeywell Regulator Co. Liquid level sensor. 3,000,212, 9–19–61, Cl. 73—304.
Friel, Patrick J.: *See*—
Lauer, James L., and Friel. 2,986,505.
Friel, Patrick J., and J. L. Lauer, to Sun Oil Co. Preparation of HCN and acetylene. 2,986,506, 5–30–61, Cl. 204—156.
Friend, Albert W. Sound absorbent translucent building block. 2,975,853, 3–21–61, Cl. 181—33.
Friend, Buford R., and E. P. Nichols, to Mystik Adhesive Products. Apparatus for warp beaming. 2,993,259, 7–25–61, Cl. 28—32.
Friend, Clifford K. Stable temperature reference for instrument use. 2,967,924, 1–10–61, Cl. 219—20.
Friend, George W.: *See*—
Friend, John J., Jr. 2,966,996.
Friend, Irvin. Drawer and track construction. 2,981,584, 4–25–61, Cl. 312—337.
Friend, Irvin, to Hollywood Appliances Inc. Separable hinge. 3,005,228, 10–24–61, Cl. 16—171.
Friend, John J., Jr., ⅓ to G. W. Friend, and ⅓ to M. A. Friend. Elevator and loading mechanisms. 2,966,996, 1–3–61, Cl. 214—711.
Friend, Leo: *See*—
West, Fred W., and Friend. 3,006,938.
Friend, Leo, and M. Von Stein, to The M. W. Kellogg Co. Method of effecting exothermic catalytic reactions. 3,002,816, 10–3–61, Cl. 23—199.
Friend, Lindsay C., to The Bendix Corp. Snap-action switch. 2,975,249, 3–14–61, Cl. 200—67.
Friend, Lindsay C., and K. D. Shaub, to The Bendix Corp. Self-compensating pressure-sensitive capsule particularly adapted for sealed pressure switches. 3,009,031, 11–14–61, Cl. 200—83.
Friend, Lindsay C., and K. D. Shaub, to The Bendix Corp. Sealed pressure switch. 3,009,032, 11–14–61, Cl. 200—83.
Friend, Mary A.: *See*—
Friend, John J., Jr. 2,966,996.
Fries, Bernard A., to California Research Corp. Radioactive tracers. 3,014,054, 12–19–61, Cl. 260—430.
Fries, Charles W.: *See*—
Miles, Gilbert D. W., McGhie, and Fries. 2,975,943.
Fries, Edward W., to DCA Food Industries Inc. Apparatus for filling baked products. 2,982,231, 5–2–61, Cl. 107—1.
Friese, George F.: *See*—
Brooks, Ernest A., Friese, Harvey, and Winkin. 2,982,269.
Friese, Günter, to Metallgesellschaft Aktiengesellschaft. Fluid bed furnace and process. 2,997,286, 8–22–61, Cl. 263—21.
Frieseke and Hoepfner, G.m.b.H.: *See*—
Bosch, Julius. 2,979,619.
Bosch, Julius. 2,985,758.
Friesen, Wilmer J.: *See*—
Wood, Straud K., and Friesen. 2,975,585.
Friesen, Wilmer J. Power control apparatus. 2,969,043, 1–24–61, Cl. 121—39.
Frieser, Rudolf G.: *See*—
Kumins, Charles A., Scardaville, and Frieser. 2,993,065.
Friesz, Kenneth E., to New Era Mfg. Co. Web cutting and notching device. 2,992,581, 7–18–61, Cl. 83—300.
Frimberger, Ernst. Modular toy structure. 2,988,844, 6–20–61, Cl. 46—30.
Frimodig, Mark M., to Michigan Chemical Corp. Method for the separation of metallic ions by the use of an ion exchange resin. 3,008,974, 11–14–61, Cl. 260—429.2.
Fringhian, Bahram. Welding process for the fixation of metal grains to a metallic support for obtaining abrasive or anti-slip surfaces. 2,972,551, 2–21–61, Cl. 117—31.
Frings, Heinrich, Kommanditgesellschaft: *See*—
Els, Heinrich, and Martens. 3,014,804.
Frink, Russell E., to Westinghouse Electric Corp. Shock-resistant circuit interrupter. 2,970,197, 1–31–61, Cl. 200—147.
Frink, Russell E., to Westinghouse Electric Corp. Circuit breaker. 2,993,105, 7–18–61, Cl. 200—166.
Frisch, Eldon E.: *See*—
Smith, Donald D., Frisch, and Pierce. 2,983,746.
Frisch, Franz, to Sandoz Ltd. Acid monoazo dyestuffs. 2,998,418, 8–29–61, Cl. 260—198.
Frisch, Kurt C., and W. F. Schulz, to Wyandotte Chemicals Corp. Polyurethane composition containing an N,N′-bis (hydroxy-alkyl) piperazine and preparation of same. 2,995,530, 8–8–61, Cl. 260—2.5.
Frisch, Walter J.: *See*—
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Russler, Leveret C., Wright, Martin, and Frisch. 2,970,665.
Frisosky, Robert F., and D. S. Wall, to The Procter & Gamble Co. Folding boxes of the tray type. 2,979,251, 4–11–61, Cl. 229—34.
Frissell, Warren J., Jr., and V. J. Houska, to Union Carbide Corp. Anti-static vinyl chloride copolymer containing salts of dialkyl phosphates. 2,978,440, 4–4–61, Cl. 260—87.1.
Fritach, Rudolf, to Werner & Pfleiderer. Worm press. 3,008,184, 11–14–61, Cl. 18—12.
Fritchle, Frank P., M. S. Reynolds, and E. K. Takata, to Central Scientific Co. Laboratory clamps. 2,970,798, 2–7–61, Cl. 248—229.
Frith, Hagin F., Jr., to Hagin Frith & Sons. Knitted mesh. 2,992,550, 7–18–61, Cl. 66—195.
Frith, Hagin, & Sons: *See*—
Frith, Hagin F., Jr. 2,992,550.
Fritsch, Daniel, to Hamilton Watch Co. Indexing and contact mechanism. 2,997,839, 8–29–61, Cl. 58—28.
Fritsch, Daniel, to Hamilton Watch Co. Indexing and con- 3,013,338, 12–19–61, Cl. 33—148.
Fritsch, Hermann, to Chemetals Corp. Apparatus for rolling metal powder. 2,994,917, 8–8–61, Cl. 18—9.
Fritts, Robert W., to Minnesota Mining and Mfg. Co. Operator for valves or the like. 2,989,281, 6–20–61, Cl. 251—11.
Fritts, Robert W., and S. Karrer, to Minnesota Mining and Mfg. Co. Thermoelectric generator. 2,972,653, 2–21–61, Cl. 136—4.
Fritts, Robert W., and S. Karrer, to Minnesota Mining and Mfg. Co. Thermoelectric generator. 2,972,654, 2–21–61, Cl. 136—4.
Fritts, Robert W., and S. Karrer, to Minnesota Mining and Mfg. Co. Thermoelectric control circuit. 3,001,126, 9–19–61, Cl. 323—69.
Fritts, Robert W., and S. Karrer, to Minnesota Mining and Mfg. Co. Shock-resistant mounting means for frangible electrical conductors. 3,013,097, 12–12–61, Cl. 136—4.
Fritz, Alfred G., A. P. Weber, and R. L. Oakley. Integrated parachute deployment pack. 2,998,950, 9–5–61, Cl. 244—148.
Fritz, Charles H.: *See*—
Motis, Gilbert M., and Fritz. 2,971,520.
Fritz, Earle: *See*—
Becktel, Jack M., Kuester, and Fritz. 3,008,833.
Fritz, Gerhard: *See*—
Schnell, Hermann, Kimpel, Bottenbruch, Krimm, and Fritz. 2,997,459.
Fritz, Henry E.: *See*—
O'Connor, George L., Fritz, and Eccles. 2,968,681.
Fritz, Robert J.: *See*—
Fasce, Egi V., Cull, and Fritz. 2,999,086.
Fritz, William E., to General Motors Corp. Synchronous motor. 2,985,778, 5–23–61, Cl. 310—41.

Fritz, William L.: *See*—
Mentzer, James S., Seeger, Jones, and Fritz. 2,983,052.

Fritze, Curtis W.: *See*—
Daniels, Howard L., Fritze, and Ritter. 2,977,578.

Fritze, Ulrich, R. Müller, and H.-W. Paffrath, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Sound-absorbing systems. 2,981,360, 4–25–61, Cl. 181—33.

Fritzel, Henry J. Tray. 2,979,211, 4–11–61, Cl. 211—88.

Fritzinger, George H. Adhesive applicators. Re. 25,056, 10–17–61, Cl. 216—29.

Fritzinger, George H., and S. S. Jaffe, to The Electric Storage Battery Co. Signaling arrangements for battery charging circuit. 2,999,969, 9–12–61, Cl. 320—48.

Fritzsch, Wilhelm: *See*—
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Fritzsche Brothers, Inc.: *See*—
Langenau, Edward E. 2,982,656.

Friz, Walter: *See*—
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Fröbel, Artur, to Firma Olympia Werke AG. Counter mechanism for shortened multiplication. 3,001,701, 9–26–61, Cl. 235—63.

Froberger, Charles F., to General Motors Corp. Shell molding mixture 2,997,759, 8–29–61, Cl. 22—193.

Froberger, Charles F., to General Motors Corp. Process of shell molding. 3,004,312, 10–17–61, Cl. 22—193.

Froede, Walter G., to NSU Motorenwerk Aktiengesellschaft, and Wankel G.m.b.H. Supercharging system for rotating combustion engine. 2,993,482, 7–25–61, Cl. 123—8.

Froehlich, Bernard F. Rotary work holder. 3,000,469, 9–19–61, Cl. 188—71.

Froehlich, Harold E., and R. L. Schwoebel, to General Mills, Inc. Gondola assembly. 2,993,663, 7–25–61, Cl. 244—31.

Froelich, Gustave H.: *See*—
Farnsworth, Sidney W., and Froelich. 2,989,936.

Froelich, Herman C., to General Electric Co. Electroluminescent phosphor. 2,987,485, 6–6–61, Cl. 252—301.6.

Froelich, Richard W.: *See*—
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Froeschl, Otto P., to P & M Supply Co. Plier type toggle wrench with unlocking means. 2,966,818, 1–3–61, Cl. 81—368.

Froggatt, Robert J., to Electric & Musical Industries Ltd. Stores, especially for digital computers. 2,968,026, 1–10–61, Cl. 340—172.5.

Froggatt, Robert J., and N. D. Robinson, to Electric & Musical Industries Ltd. Output converters for digital computers. 3,000,562, 9–19–61, Cl. 235—155.

Frohberger, Paul-Ernst: *See*—
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Frohlich, Adolf, to The Cleveland Trust Co. Apparatus for vulcanizing pneumatic tires. 2,987,769, 6–13–61, Cl. 18—17.

Fröhlich, Adolf, and E. J. Harris, to The Cleveland Trust Co. Vulcanizing press. 2,970,342, 2–7–61, Cl. 18—17.

Frohlich, Adolf, and E. J. Harris, to The Cleveland Trust Co. Tire buffing machine. 2,979,123, 4–11–61, Cl. 157—13.

Frohlich, Adolf, and E. J. Harris, to The Cleveland Trust Co. Turnover ring for pneumatic tire building machine. 2,981,319, 4–25–61, Cl. 154—10.

Frohlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co. Oscillating buffer. 2,988,121, 6–13–61, Cl. 144—288.

Frohlich, Adolf, and E. J. Harris, to The Cleveland Trust Co. Magnetic ply holder. 2,988,131, 6–13–61, Cl. 154—9.

Frohlich, E., A.G.: *See*—
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Frohlich, Hans P.: *See*—
Kell, Harry L., and Frohlich. 2,971,880.

Frohlich, Harry W.: *See*—
Frohlich, Willy O. and H. W. 2,970,399.

Frohlich, Herbert: *See*—
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Frohman, Robert: *See*—
Angel, Arthur M., and Frohman. 3,011,165.

Frohman, Robert, to The National Cash Register Co. Transistor adder circuitry. 3,001,711, 9–26–61, Cl. 235—176.

Frohman, Ronald: *See*—
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Frohnapel, Alvah V., and L. E. Welch; said Frohnapel assor. to said Welch. Diaper rinse device. 2,968,938, 1–24–61, Cl. 68—205.

Frohner, Rudolph: *See*—
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Smith, William H., Frohner, and Adolphson. 3,005,673.
Smith, William H., Frohner, and Adolphson. 3,012,836.

Frohring, Glenn H., to Newbury Industries, Inc. Injection molding machine and valve therefor. 2,986,776, 6–6–61, Cl. 18—30.

Froidevaux, Jean-Michel, and F. Bandi, to Manufacture des Montres Universal Perret Frères. Self-winding time-piece. 2,981,055, 4–25–61, Cl. 58—82.

Froitzheim, Hans, J. Schmitz, and H. Borger, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of knop filaments. 3,012,846, 12–12–61, Cl. 18—54.

Froitzheim, Max: *See*—
Lang, Karl F., and Froitzheim. 2,987,559.

Fromageot, Pierre: *See*—
Chapeville, François, and Fromageot. 2,996,434.

Fromer, Morton, R. F. Kemka, and S. F. Lennox, to General Precision, Inc. Precision angular indexing servosystem. 3,005,939, 10–24–61, Cl. 318—28.

Fromm, Frank H., Jr. Sewing apparatus. 2,982,238, 5–2–61, Cl. 112—2.

Fromm, Jack: *See*—
Gary, Lonnie M. 3,003,444.

Fromm, Kenneth N.: *See*—
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Fromm, Kenneth N., and G. A. Richards, to International Telephone and Telegraph Corp. Multiple frequency generator. 2,992,396, 7–11–61, Cl. 331—39.

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Fromm, Winfield E., and E. G. Fubini, to United States of America, Air Force. Microwave rotary ring joint. 2,975,382, 3–14–61, Cl. 333—98.

Frommer, Moses. Detachable mount for optical devices on spectacle frames. 2,978,955, 4–11–61, Cl. 88—41.

Frommhold, Ernst A., to VEB Vakutronik. Electron tubes. 2,992,350, 7–11–61, Cl. 313—107.

Fromont, George, to Barkway Engineering Co. Ltd. Process for the manufacture of hollow metal body. 2,987,798, 6–13–61, Cl. 29—1.31.

Fromson, Howard A., to Calumet & Hecla Inc. Method of making a panel structure. 2,969,589, 1–31–61, Cl. 29—421.

Fromson, Howard A., to Calumet & Hecla, Inc. Method of forming thin metal panels having bifurcated edges. 3,010,202, 11–28–61, Cl. 29—533.

Fronczak, Ernest T.: *See*—
Martinek, Thomas W., Fronczak, and Remes. 2,980,611.

Fronczak, Ernest T., to The Pure Oil Co. Dripless oils. 2,979,458, 4–11–61, Cl. 252—42.

Fronczak, Ernest T., to The Pure Oil Co. Lubricating grease wherein the thickener is the metal soap of mixed acids and process for forming same. 3,014,867, 12–26–61, Cl. 252—40.5.

Fronczak, Ernest T., P. R. Chapman, and E. W. Brennan, to The Pure Oil Co. Emulsion concentrates. 2,976,160, 3–21–61, Cl. 106—38.24.

Fronek, Stephen A.: *See*—
Nordheim, James E., and Fronek. 2,985,945.

Fronk, Wilbert L., to United States of America, Navy. Capsule assembly gage. 2,979,827, 4–18–61, Cl. 33—174.

Fronmuller, George D., and M. J. Mirra, to Comcolloid Inc. Emulsifier-wax compositions. 2,974,106, 3–7–61, Cl. 252—311.5.

Froslie, Leonard E., to Chrysler Corp. Hydrodynamic transmission. 3,000,230, 9–19–61, Cl. 74—472.

Frosst, Charles E., & Co.: *See*—
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Millar, John F., Harder, and Findlay. 2,991,226.
Parker, John M., and Wasson. 2,971,003.
Parker, John M., and Wasson. 3,008,971.

Frost, Albert D., to Research Corp. Parametric amplifier antenna. 2,988,636, 6–13–61, Cl. 250—20.

Frost, Barry L., to Clark Equipment Co. Pressure regulator. 3,007,481, 11–7–61, Cl. 137—116.

Frost, Barry L., to Clark Equipment Co. Reversing mechanism. 3,009,370, 11–21–61, Cl. 74—784.

Frost, Brian R. T.: *See*—
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Frost, Curt. Bowling ball. 3,004,762, 10–17–61, Cl. 273—63.

Frost, Edward E., H. C. Hottel, and J. P. Longwell, to Esso Research and Engineering Co. Method and apparatus for flaring combustible gaseous materials. 2,971,605, 2–14–61, Cl. 183—6.

Frost, Elmer F., Jr., to Food Machinery and Chemical Corp. Conveyor drive mechanism. 2,984,336, 5–16–61, Cl. 198—203.

Frost, Emerson L., to United States of America, Army. Phase angle and power factor measuring and indicating devices. 2,970,263, 1–31–61, Cl. 324—87.

Frost, Frank E.: *See*—
Shaw, Harmon L., and Frost. 2,985,468.

Frost, Frederick H., and P. S. Leighton, to S. D. Warren Co. Method of producing high gloss mineral-coated paper and resultant product. Re. 25,039, 9–19–61, Cl. 117—64.

Frost, Harry W., Jr. Journal dust guard. 3,013,822, 12–19–61, Cl. 286—6.

Frost, Ingolf P., to Schieldrop & Co. Ltd. Fuel burner. 2,982,349, 5–2–61, Cl. 158—76.

Frost, John W. Waste Disposer. 3,011,627, 12–5–61, Cl. 206—19.5.

Frost, Leon J.: *See*—
Traub, Karl W., Frost, and Baldwin. 3,011,901.

Frost, Lester P. Portable floating bridge. 2,977,612, 4–4–61; Cl. 14—27.

Frost, Paul, to Agfa Aktiengesellschaft. Framing arrangement for images of a camera view finder. 3,011,385, 12–5–61, Cl. 88—1.5.

Frost, Ralph S.: *See*—
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Frost, Raymond A., to Ben Rudick & Son, Inc. Outrigger support for concrete form. 2,974,386, 3–14–61, Cl. 25—131.5.

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Frozen Dessert Co.: *See*—
Peat, Robert M. 3,003,882.
Frueauff, Harry D., Jr. Forming press. 2,978,932, 4–11–61, Cl. 78—9.
Fruehauf Trailer Co.: *See*—
Heimann, Fred G. 3,011,455.
Markert, Hans, and Frotscher. 2,986,479.
Rackel, Ernest. 3,000,340.
Schonrock, Edwin A. 2,985,484.
Schonrock, Edwin A. 2,992,856.
Tantlinger, Keith W., and Flagan. 2,971,772.
Fruendt, Adel J. Flotation bladder assembly unit. 3,005,214, 10–24–61, Cl. 9—8.
Fruh, Werner, to Aktiengesellschaft Brown, Boveri & Cie. Method of fastening the collector head on the collector bar of a trolley car. 3,004,114, 10–10–61, Cl. 191—59.1.
Frump, John A., to Commercial Solvents Corp. Superior polyethylene emulsions. 2,990,389, 6–27–61, Cl. 260—23.
Fry, Carroll B. Lock. 2,972,879, 2–28–61, Cl. 70—276.
Fry, Carroll B. Lock. 2,997,872, 8–29–61, Cl. 70—156.
Fry, Douglas J., B. A. Lea, and J. D. Kendall, to Ilford Ltd. Methin dyes containing pyrroline nuclei. 2,979,501, 4–11–61, Cl. 260—240.4.
Fry, Douglas J., B. A. Lea, and J. D. Kendall, to Ilford Ltd. Methin dyes containing hydroxypyrroline nuclei. 2,984,663, 5–16–61, Cl. 260—240.4.
Fry, Douglas J., J. D. Kendall, and A. J. Morgan, to Ilford Ltd. Process for preparation of pentamethincyanines. 2,984,664, 5–16–61, Cl. 260—240.5.
Fry, Elwood, and H. J. Fasenmyer. Mobile casting apparatus. 3,011,241, 12–5–61, Cl. 25—41.
Fry, Frank J.: *See*—
Fry, William J., and F. J. 2,968,302.
Fry, Horace P., Jr., to American Viscose Corp. Filament film spinning and processing machine. 2,979,767, 4–18–61, Cl. 18—8.
Fry, Horace P., Jr., to American Viscose Corp. Method and apparatus for making non-woven fabric. 2,985,220, 5–23–61, Cl. 154—1.7.
Fry, Horace P., Jr., to American Viscose Corp. Rayon fabric. 3,012,925, 12–12–61, Cl. 156—181.
Fry, Jeremy J., to Rotork Engineering Co. Ltd. Lubricators for valves. 2,988,172, 6–13–61, Cl. 184—28.
Fry, John H. Single unit rotary coffee brewer. 2,996,974, 8–22–61, Cl. 99—283.
Fry, John H., to Automatic Enterprises, Inc. Rotary coffee-brewing apparatus. 2,996,975, 8–22–61, Cl. 99—289.
Fry, John S.: *See*—
Moyer, Wendell W., Jr., Wynstra, and Fry. 2,970,131.
Fry, John S., to Union Carbide Corp. Composition comprising an acrylic acid polymer and a polyglycidyl ether and products thereof. 3,008,914, 11–14–61, Cl. 260—33.4.
Fry, Lyle L., to Lockwood Graders Inc. Article sizers. 2,974,794, 3–14–61, Cl. 209—106.
Fry, Lyle L., to Lockwood Graders. Vehicles for cleaning beach sands. 2,976,936, 3–28–61, Cl. 171—126.
Fry, Otto E., to United States of America, Atomic Energy Commission. Direct conversion of uranium turnings to uranium tetrafluoride. 2,974,006, 3–7–61, Cl. 23—14.5.
Fry, William J., to University of Illinois Foundation. Acoustic wave measuring method and apparatus. 2,986,227, 5–30–61, Cl. 181—.05.
Fry, William J., and F. J., to University of Illinois Foundation. Multibeam focusing irradiator. 2,968,302, 1–17–61, Cl. 128—24.
Fryar, James B. Collapsible motor scooter. 3,001,599, 9–26–61, Cl. 180—33.
Frye, Bernard F.: *See*—
Pigott, Kenneth A., and Frye. 3,012,992.
Frye, Colin M., to Dowty Mining Equipment Ltd. Relief valves. 2,976,883, 3–28–61, Cl. 137—539.5.
Frye, Colin M., to Dowty Mining Equipment Ltd. Telescopic tubular pit props. 3,001,808, 9–26–61, Cl. 286—26.
Frye, Eugene O., to Collins Radio Co. Electronic limit detector. 2,973,481, 2–28–61, Cl. 328—196.
Frye, Filmore O. Underwater fuel storage. 2,977,018, 3–28–61, Cl. 220—13.
Frye, Richard D. and, G. C. Burd, to Neo Products Corp. Hose coupling and method and apparatus for producing same. 2,974,712, 3–14–61, Cl. 153—80.5.
Fryer, George R. Machine for tying wire binding loops about various articles. 3,012,497, 12–12–61, Cl. 100—26.
Frykhult, Rune H., to Sunds Verkstader Aktiebolag. Apparatus for dewatering suspensions, such as fibrous pulp suspensions. 3,014,589, 12–26–61, Cl. 210—123.
Fryklund, Robert A., to Raytheon Co. Pulsed oscillator having oscillation terminating means independent of initiating pulse. 2,974,293, 3–7–61, Cl. 331—149.
Fryklund, Robert A., to Raytheon Co. Echo-ranging system. 2,982,940, 5–2–61, Cl. 340—3.
Fryklund, Robert A., to Raytheon Co. Depth indicating system. 2,985,015, 5–23–61, Cl. 73—299.
Fryklund, Robert A., to Raytheon Co. Automatic remote recorders. 2,992,059, 7–11–61, Cl. 346—8.
Fryklund, Robert A., to Raytheon Co. Echo ranging devices. 3,001,190, 9–19–61, Cl. 343—10.
Fryklund, Robert A., to International Business Machines Corp. Component inserting machine. 3,008,144, 11–14–61, Cl. 1—323.
Fubini, Eugene G.: *See*—
Dyer, John N., and Fubini. 2,984,802.
Fromm, Winfield E., and Fubini. 2,975,382.
Fuchs, Anthony A. Exercising device. 3,000,632, 9–19–61, Cl. 272—58.
Fuchs, Charles E.: *See*—
Culbertson, James A., and Fuchs. 2,987,143.
Fuchs, Erich, and R. Reinhardt, to Wilhelm Baier KG. Burner for volatile fuels. 2,990,879, 7–4–61, Cl. 158—77.
Fuchs, Frieda W.: *See*—
Stamberger, Paul, and Fuchs. 2,984,639.
Stamberger, Paul, and Fuchs. 3,006,868.
Fuchs, Henry O.: *See*—
Schwarzbeck, John G., and Fuchs. 2,998,242.
Fuchs, Henry O., to Metal Improvement Equipment Co. Peening shot nozzle reciprocating apparatus. 2,968,086, 1–17–61, Cl. 29—90.
Fuchs, Henry O., and D. J. Nesin, to Metal Improvement Equipment Co. Apparatus for shot peening elongated articles. 2,982,007, 5–2–61, Cl. 29—90.
Fuchs, Henry O., and J. C. Borger, to Metal Improvement Equipment Co. Panel forming equipment. 3,004,584, 10–17–61, Cl. 153—44.
Fuchs, Julius J., to E. I. du Pont de Nemours and Co. Process for the preparation of ketones. 3,013,077, 12–12–61, Cl. 260—586.
Fuchs, Martin E.: *See*—
Rapplean, Eugene L., Highley, and Fuchs. 2,979,047.
Fuchs, Martin E., and H. J. Hertling, to ACF Industries, Inc. Choke system. 2,969,785, 1–31–61, Cl. 123—179.
Fuchs, Oszkár: *See*—
Kollonitsch, János, Fuchs, and Vita. 2,983,755.
Fuchs, Otto: *See*—
Eckert, Wilhelm, Fuchs, Raizner, and Rentel. 2,994,697.
Fuchs, Otto, F. Meininger, and F. Ische, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing leuco sulfuric acid esters of vat dyestuffs. 3,006,923, 10–31–61, Cl. 260—316.
Fuchs, Robert J., and I. A. Lichtman, to Food Machinery and Chemical Corp. Stabilization of active chlorine containing solutions. 2,988,471, 6–13–61, Cl. 167—17.
Fuchs, Walter M.: *See*—
Stamberger, Paul, and Fuchs. 2,984,639.
Stamberger, Paul, and Fuchs. 3,006,868.
Fuchs, William F., J. R. Marcus, E. W. Pirok, and R. J. Stebbins, to Western Electric Co., Inc. Apparatus for tinning terminals of electrical components. 2,986,114, 5–30–61, Cl. 118—11.
Fuchsman, Charles H., A. M. Nicholson, and S. B. Elliott, to Ferro Corp. Nickel phenolate stabilized polypropylene. 2,971,940, 2–14–61, Cl. 260—45.75.
Fuchsman, Charles H., A. M. Nicholson, and S. B. Elliott, to Ferro Corp. Nickel bis-C(*p*-octylphenol) monosulphide stabilized polyethylene. 2,971,941, 2–14–61, Cl. 260—45.75.
Fueglein, Georg F.: *See*—
Friedrich, Albert, Roessler, Fueglein, and Seng. 2,993,320.
Fuehrer, George H., to Thor Power Tool Co. Shock-absorbing handle structure for pneumatic tools. 2,984,210, 5–16–61, Cl. 12—36.
Fuehrer, George H., to Thor Power Tool Co. Coupling assembly with positive lock. 3,003,773, 10–10–61, Cl. 279—19.6.
Fuehrer, George H., to Thor Power Tool Co. Simplified telescopic feed leg assembly. 3,007,449, 11–7–61, Cl. 121—46.
Fuehrer, George H., to Thor Power Tool Co. Coupling with lock. 3,010,730, 11–28–61, Cl. 279—19.
Fuerst, Carl: *See*—
Gleitsman, Harold, and Fuerst. 2,994,364.
Fuerst, Carl C., and F. A. Williams, to Eastman Kodak Co. Synchronizing shutter mechanism. 2,972,290, 2–21–61, Cl. 95—11.5.
Fuerst, Carl C., and F. A. Williams, to Eastman Kodak Co. Synchronizing shutter mechanism. 2,986,984, 6–6–61, Cl. 95—63.
Fuerst, Carl C., and F. A. Williams, to Eastman Kodak Co. Synchronizing shutter mechanism. 2,986,985, 6–6–61, Cl. 95—63.
Fuerstlich Hohenzollernsche Huettenverwaltung: *See*—
Bunge, Gerhard, and Honak. 2,992,137.
Schlechtendahl, Ernst. 2,990,218.
Fueslein, John R.: *See*—
Gray, Robert A., Jr., Inch, and Fueslein. 3,000,345.
Fugassi, Lucien A., Jr., to National Steel Corp. Detecting welds. 2,995,239, 8–8–61, Cl. 209—72.
Fugazza, Francesco, to Dalmine S.p.A. Process of protectively coating tubular elements, structural shapes and the like with at least one thermoplastic resin sheath. 2,978,357, 4–4–61, Cl. 117—75.
Fugazzi, Nolan J.: *See*—
Foddy, Harold W., and Fugazzi. 2,997,037.
Fuglesang, Johan, to Radio Corp. of America. Tube failure detection circuit. 2,994,817, 8–1–61, Cl. 324—25.
Füglister, Karl, to Sodeco, Societe des Compteurs de Geneve. Impulse counter. 3,001,705. 9–26–61, Cl. 235—131.
Fuhring, Heinrich, to M. Boehler and F. Weber, trading as Boehler & Weber Commanditgesellschaft. Cleaning machine for textiles. 3,010,217, 11–28–61, Cl. 34—133.

Fuhrman, Garrett C. Spindle. 3,014,391, 12–26–61, Cl. 82—31.

Fuhrman, William J., to United States of America, Army. Ball retainer for a reciprocal plunger. 2,997,307, 8–22–61, Cl. 279—76.

Fuhrmann, Ernst, to Goetzewerke Friedrich Goetze Aktiengesellschaft. Piston sealing ring system for oil regulation. 2,988,409, 6–13–61, Cl. 309—45.

Fuhrmann, Hans, to S.L.F. Engineering Co. Apparatus for continuously colorimetrically analyzing fluids for chemical components. 2,995,425, 8–8–61, Cl. 23—253.

Fuhrmann, Robert: *See*—
Neesby, Torben E., Fuhrmann, Pirçio, and Luts. 2,989,561.

Fuje Tsushinki Seizo Kabushiki Kaisha: *See*—
Goto, Eiichi, and Yamada. 2,968,028.

Fuji Kazaku Kogyo Kabushiki Kaisha: *See*—
Ishino, Seizo, and Osaka. 2,970,889.

Fuji Tsushinki Seizo Kabushiki Kaisha: *See*—
Inaba, Seluemon. 2,988,643.

Fujii, Wesley M., to Radio Corp. of America. Reeling system. 2,967,673, 1–10–61, Cl. 242—55.12.

Fujikura Koso Co. Ltd.: *See*—
Iijima, Tsuneo, and Watanabe. 2,969,213.

Fujimoto, Shigenobu. Method for the production of processed papers. 3,008,888, 11–14–61, Cl. 204—165.

Fujio, Bunzo: *See*—
Punyaratband, Smahn, Ogawa, and Fujio. 2,969,429.
Yamura, Tsuneharu, and Fujio. 2,974,193.

Fujisawa Pharmaceutical Co., Ltd.: *See*—
Kobayashi, Kanjiro, and Suzuki. 2,973,379.

Fujita, Toshio, to Sanwa Mishin Seizo Kabushiki Kaisha, (Sanwa Sewing Machine Mfg. Co., Ltd.). Feed regulating mechanism for sewing machine. 2,982,241, 5–2–61, Cl. 112—210.

Fujita, Toshio, to Sanwa Mishin Seizo Kabushiki Kaisha (Sanwa Sewing Machine Mfg. Co., Ltd.). Sewing machine work support including an improved quick opening needle plate and cover plate arrangement. 3,011,463, 12–5–61, Cl. 112—260.

Fujiwara, Edward J.: *See*—
Hartman, Robert J., and Fujiwara. 2,972,606.

Fujiya Electric Co., Ltd.: *See*—
Aoki, Takeshi. 3,008,720.

Fukata, Masao, to Kokusai Denki Kabushiki Kaisha. Connection system of multiple-tuned coupled circuits. 2,988,713, 6–13–61, Cl. 333—70.

Fukuba, Hiroshi. Vacuum cleaner with flexible rotary-pistons. 2,994,098, 8–1–61, Cl. 15—342.

Fukuin Denka Kabushiki Kaisha: *See*—
Uchida, Saburo. 2,976,373.

Fukuin Electric Works, Ltd.: *See*—
Uchida, Saburo. 2,976,373.

Fukuoka, Shigetada, to Nippon Kogaku K.K. Camera film advancing and shutter operating mechanism. 3,007,385, 11–7–61, Cl. 95—31.

Fukuzawa, Jun, and W. J. O'Reilly, to The Garrett Corp. Heat transfer system. 3,001,379, 9–26–61, Cl. 62—196.

Fulger, Russell K., to Sylvania Electric Products Inc. Mechanical lead breaker. 2,988,254, 6–13–61, Cl. 225—97.

Fulham, John P.: *See*—
Grant, Allen F., and Fulham. 2,980,125.

Fullam, John P., and R. W. F. Crawley, to Jarry Hydraulics. Landing gear shortening mechanism. 2,967,682, 1–10–61, Cl. 244—102.

Fullam, Richard G., to Quaboug Rubber Co. Heel sander. 3,009,296, 11–21–61, Cl. 51—134.

Fuller Brush Co., The: *See*—
Park, Richard B. 2,978,726.
Whitman, Henry B. 2,978,725.

Fuller, Carl L., to Apra Precipitator Corp. Electrode positioning means. 3,006,632, 10–31–61, Cl. 269—115.

Fuller, Charles E. Tensioning device for printing presses. 2,983,464, 5–9–61, Cl. 242—75.44.

Fuller Co.: *See*—
Beyhl, Edward H. 2,977,057.
Frost, Robert B. 3,003,752.
Kayatz, Karl-Heinz. 3,010,215.
Lenhart, Herbert S. 2,993,598.
Lenhart, Herbert S. 3,009,744.
Loomis, Robert F. 3,009,745.
Sayre, Howard S. 3,009,607.

Fuller, Dennis Q., to Pye Ltd. High frequency transistor. 3,007,091, 10–31–61, Cl. 317—235.

Fuller, Frank F., J. M. Rule, and C. B. Thompson, to E. I. du Pont de Nemours and Co. Apparatus for spraying liquid onto fibers. 3,013,525, 12–19–61, Cl. 118—8.

Fuller, Frank I., to Western Progress Manufacturers. Warning light which causes light rays to travel in a conical path. 2,983,914, 5–9–61, Cl. 340—366.

Fuller, Frank I., and M. C. Swezy, to Western Progress Mfrs. Warning device. 2,975,412, 3–14–61, Cl. 340—366.

Fuller, Frank W., to A. B. Cady, Jr. Pump having radial intake and centrifugal discharge. 3,012,514, 12–12–61, Cl. 103—88.

Fuller, Frederick J., to P. R. Mallory & Co. Inc. Unwinding device. 2,999,654, 9–12–61, Cl. 242—128.

Fuller, Frederick J., to P. R. Mallory & Co., Inc. Wire winding apparatus. 3,003,525, 10–10–61, Cl. 140—71.

Fuller, George L. Jalousie operator or the like. 2,973,666, 3–7–61, Cl. 74—531.

Fuller, George W.: *See*—
Darmstadt, Louis J., and Fuller. 2,969,887.

Fuller, Harrison W., and R. C. Kelner, to Laboratory for Electronics, Inc. Data processing. 2,972,735, 2–21–61, Cl. 340—174.1.

Fuller, Harrison W., and R. R. Evans, to Laboratory for Electronics, Inc. Data readout system. 2,976,517, 3–21–61, Cl. 340—172.5.

Fuller, Harrison W., H. Rubinstein, and S. P. Woodsum, to Laboratory for Electronics, Inc. Magnetic matrix storage with Bloch wall scanning. 2,984,825, 5–16–61, Cl. 340—174.

Fuller, John L., and W. A. Wickline, to Curtiss-Wright Corp. Speed regulator systems or mechanisms. 2,990,825, 7–4–61, Cl. 123—103.

Fuller, Joseph C. Fluid pressure device. 3,006,509, 10–31–61, Cl. 222—133.

Fuller, Lyle E.: *See*—
Perkins, Warren E., Falls, and Fuller. 3,012,408.

Fuller Mfg. Co.: *See*—
Perkins, Charles M., and McNamara. 2,974,766.

Fuller, Revillo, to Fullerform Continuous Pipe Corp. Continuous concrete pipe laying machine. 2,969,576, 1–31–61, Cl. 25—32.

Fuller, Richard B. Synergetic building construction. 2,986,241, 5–30–61, Cl. 189—34.

Fuller, Richard H.: *See*—
Stern, Joseph M., and Fuller. 2,999,983.

Fuller, Richard H., and D. A. Buck, to Giddings & Lewis Machine Tool Co. Magnetic data conversion apparatus. 2,987,707, 6–6–61, Cl. 340—174.

Fuller, Richard W.: *See*—
Comes, Richard N., and Fuller. 2,994,100.

Fuller, Ross K.: *See*—
Lane, William B, Baum, Graham, Fuller, Mackin, Lai, Zigman, and Shelberg. 2,974,520.

Fuller, Russell W.: *See*—
Thomas, Orrin H. 2,996,591.

Fuller, Wilford C., and C. P. Oliver, to Northern Virginia Construction Co., Inc. Apparatus for casting prestressed concrete elements. 2,966,717, 1–3–61, Cl. 25—121.

Fullerform Continuous Pipe Corp.: *See*—
Fuller, Revillo. 2,969,576.

Fullerton, John R., L. E. Leech, and D. L. Heyser, to Ryan Aeronautical Co. Method of handling thin-sheet material to prevent distortion. 2,969,299, 1–24–61, Cl. 148—131.

Fullerton, Thomas J., to Acme Steel Co. Grain car door. 3,014,526, 12–26–61, Cl 160—368.

Fulmer, Richard W., to General Mills, Inc. Metallic containers. 3,011,676, 12–5–61, Cl. 220—81.

Fulop, Charles. Variable impact drill. 2,968,960, 1–24–61, Cl. 74—22.

Fulton, Allen L., Sr., to The Fulton Co. Trailer couplings. 2,987,325, 6–6–61, Cl. 280—512.

Fulton, Bertram A. Combined pump and torque transmitting coupling. 2,974,767, 3–14–61, Cl. 192—12.

Fulton, Charles D., Jr., and W. M. Fairbank. Helium heat rectifier. 3,004,394, 10–17–61, Cl. 62—3.

Fulton Co., The: *See*—
Bolmes, Henry G. 2,982,567.
Fulton, Allen L., Sr. 2,987,325.
Fulton, Floyd E. 2,997,893.
Weber, Bernard R., and Lieber. 2,971,777.

Fulton, Floyd E., to The Fulton Co. Winch and crank assemblage. 2,997,893, 8–29–61, Cl. 74—548.

Fulton, George P.: *See*—
Brown, Robert G. W., Farnsworth, Fulton, Gagner, and Turbox. 2,970,019.

Fulton, Howard A., and I. G. Henry, to Mansfield Sanitary, Inc. Ball cock valve. 2,989,071, 6–20–61, Cl. 137—437.

Fulton, Irvin G.: *See*—
Couch, William T., Fulton, and Gladwell. 2,984,337.

Fulton, James: *See*—
Darlington, William H., Shannon, Fulton, and Dodds. 2,984,324.

Fulton, James M., and W. E. Brown, to Gulf Research & Development Co. New compounds and lubricant compositions containing same. 3,014,871, 12–26–61, Cl. 252—49.7.

Fulton, John. Cot holder for emergency vehicles. 3,005,656, 10–24–61, Cl. 296—19.

Fulton, Nathaniel D., to Hydro-Space Technology, Inc. Explosive actuated normally upon valve. 3,013,571, 12–19–61, Cl. 137—68.

Fultz, Palmer: *See*—
Clark, Harry S., Jr. 3,014,333.
Vogel, Arthur E. 2,992,836.

Fultz, Walter S. Vending machine. 2,990,976, 7–4–61, Cl. 221—265.

Funahashi, Takaji. Process of producing liquid color. 2,992,198, 7–11–61, Cl. 260—23.

Funchion, John W. L., and C. M. Ginn, to M. Collin. Hosiery trimmer. 2,979,802, 4–18–61, Cl. 26—7.

Funcik, Jack F. Wire stripper and cutter. 2,995,052, 8–8–61, Cl. 81—9.5.

Funck, Dennis L.:: *See*—
Brown, Northrop, Funck, and Schweitzer. 3,000,860.
Brown, Northrop, Funck, and Schweitzer. 3,000,861.

Funck, Dennis L., and O. F. L. Vogl, to E. I. du Pont de Nemours and Co. Thermally-stabilized polyacetaldehyde elastomers, process for their preparation and mixtures of same with polycarbonamides. 3,001,966, 9–26–61, Cl. 260—42.

Fund-Del Inc.: *See*—
Will, Theodore. 2,996,173.
Will, Theodore. 2,996,174.

Fund For Research Therapeutics: *See*—
Gavin, John J. 3,013,950.
Fungaroli, Anthony F. Foldable mop with compressible scrubbing elements. 2,994,097, 8–1–61, Cl. 15—119.
Funk, Howard C.: *See*—
Funk, Joseph C. and H. C. 2,986,886.
Funk, Joseph C. and H. C. 3,004,438.
Funk, Howard L.: *See*—
Brennemann, Andrew E., and Funk. 3,007,057.
Funk, James B., Jr., to The Bassick Co. Boat-carrying trailer. 2,987,203, 6–6–61, Cl. 214—506.
Funk, Joseph C. and H. C. Pump cylinder. 2,986,886, 6–6–61, Cl. 60—54.6.
Funk, Joseph C. and H. C., to Funk Mfg. Co. Power take-off assembly. 3,004,438, 10–17–61, Cl. 74—15.63.
Funk Mfg. Co.: *See*—
Funk, Joseph C. and H. C. 3,004,438.
Funk, Melvin F., J. H. Overholt, and A. H. Wenner, to Western Electric Co., Inc. Split sleeve basing adaptor. 2,990,003, 6–27–61, Cl. 154—1.6.
Funk, Welker W., to Food Machinery and Chemical Corp. Apparatus for distributing powdered material. 2,975,543, 3–21–61, Cl. 43—148.
Funk, Welker W., to FMC Corp. Apparatus for distributing powdered material. 3,009,282, 11–21–61, Cl. 43—148.
Funkhouser, Mearick, and J. W. Savage, to General Motors Corp. Power supply interlock system. 3,005,109, 10–17–61, Cl. 307—34.
Funston, Donald B., to Westinghouse Air Brake Co. Binary coded indication transmitting circuits for remote control systems. 3,011,149, 11–28–61, Cl. 340—147.
Funston, Earl S.: *See*—
McGurty, James A., and Funston. 2,978,321.
Fuqua, Norman L.: *See*—
Barritt, Max E., and Fuqua. 3,004,205.
Furane Plastics Inc.: *See*—
Delmonte, John, and Dewar. 2,994,685.
Delmonte, John, and Hirosawa. 2,967,843.
Furbee, Avery D., to General Electric Co. Inductive device. 3,007,125, 10–31–61, Cl. 336—221.
Furbush, Seymour A.: *See*—
Elliott, George A., and Furbush. 3,002,016.
Furczyk, Alfons A., J. B. Henwood, F. S. Bloom, and J. E. Hovis, to Selas Corp. of America. Gas and oil burner. 2,980,171, 4–18–61, Cl. 158—11.
Furdock, John M. Oil burners. 3,007,515, 11–7–61, Cl. 158—76.
Furendal, Allan R. B.: *See*—
Af Ekenstam, Bo T., Furendal, and Von Fieandt. 2,969,791.
Furey, Michael J.: *See*—
Ertelt, Henry R., Wythe, Furey, and Appeldoorn. 2,976,122.
Westlund, Roy A., Jr., and Furey. 2,976,179.
Furia, Andre, and G. Chevreux, to Societe Anonyme D.B.A. Improvements in hydraulic lift systems. 3,007,447, 11–7–61, Cl. 121—41.
Furiness, Samuel, ½ to Joseph B. King. Floor mat and element thereof. 2,980,971, 4–25–61, Cl. 20—78.6.
Furini, Bruno, Jr., to E. I. du Pont de Nemours and Co. Explosively expandable chemical rivet with compactible sealing means. 2,977,837, 4–4–61, Cl. 85—40.
Furlan, Umberto. Concrete composition. 2,991,186, 7–4–61, Cl. 106—98.
Furlong, Donn B., to FMC Corp. Fluid flow control apparatus. 3,003,514, 10–10–61, Cl. 137—119.
Furman, Edward, D. and M. Chorne. Automobile tire washer. 2,975,446, 3–21–61, Cl. 15—21.
Furman, Kenneth E.: *See*—
Hearne, George W., and Furman. 2,991,320.
Furman, Louis J.: *See*—
Kilgour, Vernon E., and Furman. 2,986,970.
Furmánek, Bohumír, J. Holešovský, and W. Wittich. Cascade chute for transporting packing material. 2,969,192, 1–24–61, Cl. 241—154.
Furnas Electric Co.: *See*—
Elsner, Waldemar E., and McGary. 3,015,006.
Furnas, William C., and Krieger. 2,972,664.
Hansen, Gilbert H. 2,973,503.
White, Paul F. 2,979,593.
Willcox, Dale F. 2,982,890.
Willcox, Dale F. 3,008,135.
Willcox, Dale F. 3,015,046.
Willcox, Dale F., Few, and Krieger. 2,971,072.
Furnas, William C., and I. W. Krieger, to Furnas Electric Co. Manual motor starter with overload protection. 2,972,664, 2–21–61, Cl. 200—124.
Furnish, Arthur H. Clamping means for an outlet box. 2,978,135, 4–4–61, 220—3.6.
Furniss, Loree E., to The Buckeye Steel Castings Co. Railway coupler operating rotor. 3,010,586, 11–28–61, Cl. 213—168.
Furon, Leon D., to Automation Instruments Inc. Ultrasonic measurement apparatus. 3,011,338, 12–5–61, Cl. 73—67.9.
Furon, Leon D., to Automation Instruments Inc. Flaw detection apparatus. 3,011,339, 12–5–61, Cl. 73—67.9.
Furreboe, Anton. Improved heat cycle for power plants. 2,982,864, 5–2–61, Cl. 290—2.
Furrer, Rud., Sohne A.G.: *See*—
Fürrer, Werner H. 2,969,793.
Furrer, Werner H. 2,974,807.
Fürrer, Werner M., to Rud. Furrer Sohne A.G. Suspension file element with indicia carrier. 2,969,793, 1–31–61, Cl. 129—16.7.
Furrer, Werner H., to Furrer, Rud., Sohne AG. Suspension filing rack. 2,974,807, 3–14–61, Cl. 211—126.
Fürst, Stefan, to Walter Reiners. Yarn knotter. 2,981,559, 4–25–61, Cl. 289—2.
Fürst, Stefan, to W. Reiners. Device for starting winding operations in yarn winding machines. 3,009,662, 11–21–61, Cl. 242—27.
Fürst, Stefan, and M. Rühl, to W. Reiners. Yarn-ballooning control sleeve for winding machines. 3,011,736, 12–5–61, Cl. 242—128.
Furtado, Joaquin E.: *See*—
Segretto, Angelo. 3,011,784.
Furth, Harold P.: *See*—
Baker, William R., Anderson, and Furth. 2,997,641.
Furth, John V.: *See*—
Long, John V., and Furth. 2,977,251.
Fusari, Salvatore A.: *See*—
Ehrlich, John, Knudsen, Bartz, Fusari, and Haskell. 2,996,435.
Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.
Fusco, James V.: *See*—
Makowski, Henry S., and Fusco. 2,997,452.
Powers, Kenneth W., Robison, and Fusco. 2,977,344.
Fusco, James V., and S. B. Robison, to Esso Research and Engineering Co. Vulcanization of butyl rubber with a 2, 6-dimethylol 4-hydrocarbon substituted phenol and phosphorus pentoxide. 2,988,531, 6–13–61, Cl. 260—43.
Fusco, James V., and S. B. Robison, to Esso Research and Engineering Co. Vulcanizing butyl rubber in the presence of halogenated heterocyclic compounds. 2,999,079, 9–5–61, Cl. 260—38.
Fusco, James V., S. B. Robison, and A. L. Miller, to Esso Research and Engineering Co. Curing low unsaturation halogenated rubber with polymethylol meta-substituted phenols. 3,008,915, 11–14–61, Cl. 260—38.
Fusco, Raffaello, G. Losco, and G. Rossi, to Montecatini Societa Generale per L'Industria Mineraria e Chimica. Organo-mercapto-methyleneamides of O,O-dialkylthio (or dithio)-phosphorylacetic acids having pesticidal activity. 3,013,940, 12–19–61, Cl. 167—22.
Fusco, Victor C.: *See*—
Leeper, Robert W., and Fusco. 2,976,139.
Fusco, Victor C., and R. C. Harshman, to Olin Mathieson Chemical Corp. Stabilized soap composition. 2,971,917, 2–14–61, Cl. 252—107.
Fuse, Mutsuo: *See*—
Kawai, Yoshio, Matsumi, and Fuse. 2,995,602.
Fuson, Percy W.: *See*—
Reinhart, John B., Ward, and Fuson. 2,994,136.
Fussell, Lynn E.: *See*—
Oliver, Evan M., Tripp, Fussell, and Michael. 2,977,241.
Fussell, Richard L.: *See*—
Rosenberg, Harvey, and Fussell. 2,971,099.
Fustier, Geraud A. J., to Society J. Bocuze & Cie. Sheet material having a decorative appearance. 2,992,125, 7–11–61, Cl. 117—7.
Futaki, Hisao: *See*—
Tajima, Kieheida, Emori, Otsuka, and Futaki. 3,005,054.
Futorian-Stratford Furniture Co.: *See*—
Kurtyka, Joseph F., and Haritonoff. 2,996,332.
Futurecraft Corp.: *See*—
Piet, Meyer, and Chilcoat. 3,000,655.
Piet, Meyer, and Koutnik. 2,971,090.
Fuwa, Keiichiro: *See*—
Thiers, Ralph E., Vallee, and Fuwa. 2,990,749.
Vallee, Bert L., Thiers, and Fuwa. 2,990,748.
Fye, David L. Microwave phase shifter. 3,005,168, 10–17–61, Cl. 333—31.
Fyfe, Clayton, to Badger Meter Mfg. Co. Momentary contact switch. 2,989,600, 6–20–61, Cl. 200—30.
Fyler, Ethel P., and G. Wilkes, to United States of America, Navy. Antenna adapted for missile stabilization. 2,981,945, 4–25–61, Cl. 343—753.
Fyr-Fyter Co., The: *See*—
Allen, Frank B., and Haessler. 2,972,466.
Diehl, Donald A. 2,967,540.
Haessler, Walter M. 2,967,571.
Haessler, Walter M. 2,978,911.
Haessler, Walter M., and Wendroff. 2,991,658.
G & A Laboratories, Inc.: *See*—
Nack, Herman. 3,001,228.
G & B Mfg. Co., Inc.: *See*—
Bonzer, Lawrence W. 2,998,714.
G-M Laboratories Inc.: *See*—
Maiershofer, Karl. 2,983,061.
Maiershofer, Karl M. 3,014,417.
McMaster, Archie J., Lieberman, and Stastny. 2,967,346.
McMaster, Archie J., and Maiershofer. 3,007,370.
GPE Controls, Inc.: *See*—
Callender, Bernard L. 2,969,079.
Callender, Bernard L., Graffy, Holzbock, and Rockey. 2,981,273.
Digel, David B. 2,985,399.
Kogen, James H. 3,014,461.
Markey, Frank J. 2,967,675.
Patterson, Ralph E. 2,979,035.
Reip, Raymond G. 2,976,706.
Ziebolz, Herbert W. 3,004,554.
G & W Electric Specialty Co.: *See*—
Lusk, George E., and van Meter. 2,995,043.

Gabaglio, Mario: *See*—
Cacciari, Alberto, De Leone, Fizzotti, and Gabaglio. 2,991,175.
Gabbard, Elbert S., to G. Shaw. Combined paper cup and package. 2,967,609, 1–10–61, Cl. 206—47.
Gabilly, Jeannine, and M. Jobard, to Compagnie de Saint-Gobain. Manufacture of grafted polymers. 2,983,657, 5–9–61, Cl. 204—154.
Gable, Edward O., to United States of America, Navy. Device for dispensing apertured plates. 2,973,108, 2–28–61, Cl. 214—8.
Gable, Edward O., to United States of America, Navy. Apparatus for stacking apertured plates. 2,973,109, 2–28–61, Cl. 214—8.
Gable, Howard S., and G. W. Kerr, to Taf Research Corp. Method and apparatus for sealing thermoplastic material. 2,994,361, 8–1–61, Cl. 154—42.
Gabler, Fritz, R. Mitsche, and W. Wurz, to C. Reichert Optische Werke Aktiengesellschaft. Heating device for a microscope. 2,995,643, 8–8–61, Cl. 219—19.
Gabler, Hellmut, E. Schallus, and W. Vogt, to Knapsack-Griesheim Aktiengesellschaft. Process for preparing hydrogen cyanide. 2,997,434, 8–22–61, Cl. 204—178.
Gabler, Rudolf, J. Giesen, and W. Zehnder, to Inventa A.G. Forschung and Patentverwertung. Process for the production of polyamides. 2,993,879, 7–25–61, Cl. 260—78.
Gables, Hall M. Alternating current electrolytic capacitor. 2,982,891, 5–2–61, Cl. 317—230.
Gabor, Dennis, to National Research Development Corp. Cathode ray tubes. 2,982,875, 5–2–61, Cl. 313—78.
Gabor, Dennis, and P. G. Kalman, to National Research Development Corp. Method of prestressing glass articles. 2,991,591, 7–11–61, Cl. 49—89.
Gabriel, Charles, to United States Steel Corp. Convertible car floor. 2,991,734, 7–11–61, Cl. 105—422.
Gabriel Co., The: *See*—
Dutton, Victor C. 2,972,491.
Hill, Jennings P., and Christian. 2,997,314.
Patrioquin, William G. 3,003,595.
Gabriel, Edwin Z. Computer for multiplication or division of variable quantities. 2,973,147, 2–28–61, Cl. 235—195.
Gabriel, Edwin Z. Mechanical coordinate converter, triangle solver and multiplier. 3,014,646, 12–26–61, Cl. 235—61.
Gabriel, Haiko K.: *See*—
Gabriel, Werner C., and H. K. 2,977,952.
Gabriel, Werner C., and H. K. Archery bow trigger. 2,977,952, 4–4–61, Cl. 124—35.
Gabrielsen, Christian, to Rowe Mfg. Co., Inc. Escapement wheel coin totalizer. 2,972,400, 2–21–61, Cl. 194—19.
Gabrielsen, Christian, to Rowe Mfg. Co., Inc. Coin separator and slug ejector. 2,975,880, 3–21–61, Cl. 194—99.
Gabrielsen, Christian, deceased (by H. A. Gabrielsen, executrix), and A. R. Ericson, to Rowe Mfg. Co., Inc. Pivoted-shelf merchandising machine. 2,996,217, 8–15–61, Cl. 221—90.
Gabrielsen, Helen A.: *See*—
Gabrielsen, Christian, and Ericson. 2,996,217.
Gabrielson, Harold. Toy. 2,978,243, 4–4–61, Cl. 272—33.
Gabrielson, Harold M. Hobby horse type toy. 2,978,258, 4–4–61, Cl. 280—218.
Gabrielson, Harold M., ½ to Pentecostal Church of God. Amusement riding device for children. 2,999,688, 9–12–61, Cl. 272—33.
Gabuzda, George E., to Atlas Chemical Industries, Inc. Closure for containers. 2,011,690, 12–5–61, Cl. 229—62.
Gaby, Eugene B. Apparatus for molding laminates. 2,990,872, 7–4–61, Cl. 154—1.
Gadd, Ronald O. C., and J. A. V. Judge, to United Shoe Machinery Corp. Apparatus for trimming flash. 3,009,616, 11–21–61, Cl. 225—93.
Gadd, William E., to Poor & Co. Bonded tie plate assembly. 3,004,715, 10–17–61, Cl. 238—287.
Gaddis, Roy. Towing doily. 2,971,769, 2–14–61, Cl. 280—79.1.
Gaddy, William L., ½ to T. W. Kern, and ½ to J. C. Howard. Closet bowl floor connector. 3,012,252, 12–12–61, Cl. 4—252.
Gadekar, Shreekrishna M., and J. L. Frederick, to American Cyanamid Co. 6-sulfamyl-3,7-disubstituted-1,2,3-benzotriazines. 3,014,906, 12–26–61, Cl. 260—240.
Gadget-Of-The-Month Club, Inc.: *See*—
Barnett, Lee A. 2,999,335.
Birch, William B., and Fanning. 2,993,695.
Ceretti, Frank A., and S. 3,011,563.
Chandler, Amos N. 2,997,151.
Correll, Harold G. 3,010,732.
De Rosa, Paul, and Grossman. 2,992,435.
Germick, Willard D. 2,976,835.
Hancock, John E. 2,973,918.
Helgeson, Andrew. 2,975,877.
Jackson, Paul R. 2,973,561.
Kesson, Gordon W. 2,983,041.
Kowalczyk, Walter. 2,988,136.
Kowalczyk, Walter. 2,995,099.
Kowalczyk, Walter. 3,010,628.
Kuslich, John S., and Tako. 3,011,429.
Levenson, Jordan S. 2,970,722.
McAllister, John W. and E. C. 2,999,321.
McCarty, Robert F. 2,975,658.
Roy, J. D. 3,000,536.
Saben, Benjamin 2,990,637.
Stall, Cash G. 3,008,246.
Ullery, Harold L. 3,008,614.
Vail, Robert R. 2,974,327.
Zrolka, Nicholas. 2,973,151.
Gadiel, Peter to International Graphics, Inc. Tape dispenser. 2,984,396, 5–16–61, Cl. 225—47.
Gaebel, Arthur H. Register rule. 3,004,345, 10–17–61, Cl. 33—107.
Gaebelein, Georg N., to International Business Machines Corp. Waveform measuring apparatus. 2,967,999, 1–10–61, Cl. 324—121.
Gaebler, Gustav A. Controlled spring system. 3,001,782, 9–26–61, Cl. 267—11.
Gaebler, Joe V., to International Harvester Co. Locating means for internal combustion engine cylinder head cover gasket. 2,981,247, 4–25–61, Cl. 123—193.
Gaede, Virgil E.: *See*—
Green, William B., and Gaede. 2,973,628.
Gaenzle, Luther E., to Armstrong Cork Co. Furniture rest and method of fabricating the same. 2,992,509, 7–18–61, Cl. 45—137.
Gaenzle, Luther E., to Armstrong Cork Co. Apparatus for postforming molded thermoplastic articles. 3,013,300, 12–19–61, Cl. 18—5.
Gaertner, George W.: *See*—
Mecorney, John W., Gaertner, and Lehmann. 3,003,853.
Gaertner, Van R., to Monsanto Chemical Co. Carbohydrate mono-esters. 2,973,353, 2–28–61, Cl. 260—234.
Gaertner, Van R., to Monsanto Chemical Co. Fungicide. 2,988,475, 6–13–61, Cl. 167—30.
Gaeta, Sebastian C.: *See*—
Nilo, Dominick J. 2,981,285.
Gaeumann, Ernst, and E. Hardegger, to Hoffmann-La Roche Inc. New active substances and process for their isolation. 3,011,948, 12–5–61, Cl. 167—65.
Gaeumann, Ernst, V. Prelog, and E. Vischer, to Ciba Pharmaceutical Products, Inc. Holothin and derivatives thereof. 3,014,922, 12–26–61, Cl. 260—326.3.
Gaffney, Francis J., C. A. Wesley, and C. P. Bukowski, to The Teleregister Corp. Simultaneous-to-serial permutation code converter. 2,968,693, 1–17–61, Cl. 178—53.1.
Gaffney, Francis J., C. A. Wesley, and C. P. Bukowski, to The Teleregister Corp. Electronic receiving distributor. 3,011,022, 11–28–61, Cl. 178—53.1.
Gaffney, John E., Jr., to International Business Machines Corp. Character synthesizing tube. 2,978,608, 4–4–61, Cl. 315—22.
Gafvert, David C.: *See*—
Thiede, Albert B., and Gafvert. 3,006,498.
Gagarine, Dmitry M., to Deering Milliken Research Corp. Process of producing flat drying, wet crease resistant cellulosic fabrics by reaction with cross-linking agents and products produced thereby. 2,985,501, 5–23–61, Cl. 8—120.
Gage, Arthur G. Packing assembly. 3,003,797, 10–10–61, Cl. 286—30.
Gage, Bruce. Disc-type brakes. 2,971,611, 2–14–61, Cl. 188—72.
Gage, Thomas B., to E. I. du Pont de Nemours and Co. Process for preparing coated cellulosic structures. 2,993,825, 7–25–61, Cl. 154—139.
Gage, Thomas B., and J. F. Walker, to E. I. du Pont de Nemours and Co. Process of preparing viscose rayon. 3,007,764, 11–7–61, Cl. 18—54.
Gager, John C.: *See*—
Bunce, Broadus C. 2,986,163.
Gager, Morgan E.: *See*—
Beeler, Martha A., and Gager. 2,992,919.
Gagg, Walter, and O. Eberhard, to Xamax A. G. Firing principles calculator. 3,014,649, 12–26–61, Cl. 235—61.5.
Gagliardi, Domenick D.: *See*—
Bemmels, Cyrus W., and Gagliardi. 2,987,420.
Gagliardi, Domenick D., and W. J. Jutras, Jr., to Argus Chemical Corp. Products of salts of levulinic hydantoin. 2,985,541, 5–23–61, Cl. 117—138.5.
Gagliardi, George N.: *See*—
Frank, Simon, and Gagliardi. 2,980,723.
Gagliardi, George N., to American Cyanamid Co. Preparation of alkylguanidine salts. 3,004,065, 10–10–61, Cl. 260—501.
Gagliardi, Paul. Motor vehicle body with a pivotal closure. 2,967,073, 1–3–61, Cl. 296—28.
Gagne, Anthony F., Jr.: *See*—
Reynolds, Harold C., Lees, and Gagne. 2,978,937.
Gagne, Archie R., to Amplus, Inc. Apparatus for casting concrete pipe. 2,969,575, 1–31–61, Cl. 25—30.
Gagne, Archie R., to Gagne Enterprises, Inc. Machine for making concrete conduit. 2,994,119, 8–1–61, Cl. 25—33.
Gagne, Archie R., to Gagne Enterprises, Inc. Machine for making multi-duct conduit. 3,000,070, 9–19–61, Cl. 25—41.
Gagne, Archie R., to Amplus, Inc. Apparatus for the vibratory molding of concrete shapes. 3,001,260, 9–26–61, Cl. 25—121.
Gagne, Charles A. Automatic grass trimmer. 2,977,742, 4–4–61, Cl. 56—241.
Gagne Enterprises, Inc.: *See*—
Gagne, Archie R. 2,994,119.
Gagne, Archie R. 3,000,070.
Gagne, Joseph L., to Davol Rubber Co. Method of making natural rubber resistant to ozone by the addition of polytetrafluorethylene and product thereof. 3,002,938, 10–3–61, Cl. 260—4.
Gagne, Louis P. Rossing machine. 2,985,207, 5–23–61, Cl. 144—208.
Gagner, Philip L.: *See*—
Brown, Robert G. W., Farnsworth, Fulton, Gagner, and Tarbox. 2,970,019.

Gagnier Fibre Products Co.: *See*—
Gagnier, George E. 2,967,324.
Scott, Robert E. 2,981,991.
Gagnier, George E., to Gagnier Fibre Products Co. Bumper assembly. 2,967,324, 1–10–61, Cl. 16—86.
Gagnon, Bernard P.: *See*—
Chace, Howard E., Haynes, Derr, and Gagnon. 2,987,598.
Gagnon, Roland K., and G. E. Rammel, to Owens-Corning Fiberglas Corp. Aqueous composition comprising Werner complex, a starch, hydrogenated vegetable oil and emulsifying agent and method of preparing same. 2,993,872, 7–25–61, Cl. 260—8.
Gahagan, Inc.: *See*—
Hambor, John G., and Weaver. 2,984,890.
Gaiennie, Frank C., and B. R. Garrard. Process for removing sugar from raw sugar cane. 2,992,140, 7–11–61, Cl. 127—56.
Gail, William A., to Cleveland Pneumatic Industries, Inc. Temperature compensated liquid spring. 2,992,816, 7–18–61, Cl. 267—64.
Gailliot, Paul, and J. Baget, to Societe des Usines Chimiques Rhone-Poulenc. Phenthiazine derivatives. 2,979,502, 4–11–61, Cl. 260—243.
Gailliot, Paul, and J. Gaudechon, to Societe des Usines Chimiques Rhone-Poulenc. Iminodibenzyl derivatives. 2,981,736, 4–25–61, Cl. 260—268.
Gainer, Gordon C., to Westinghouse Electric Corp. Silicone fluids. 2,985,677, 5–23–61, Cl. 260—448.2.
Gainer, Gordon C., and E. J. Croop, to Westinghouse Electric Corp. Siloxane to metal bonded insulation. 2,993,082, 7–18–61, Cl. 174—52.
Gainer, Wade. Fountain toothbrush. 2,997,078, 8–22–61, Cl. 141—383.
Gainer, William C.: *See*—
Seward, Edwin R., and Gainer. 2,982,359.
Seward, Edwin R., and Gainer. 2,989,326.
Gaines, Clarence F.: *See*—
Gaines, John R. and C. F., De Pew, and Carry. 2,997,136.
Gaines, Floyd C., Jr. Machine for sinking anchors for guy lines. 3,012,620, 12–12–61, Cl. 175—170.
Gaines, Harry, Jr. Swinging drawbar assembly for three point hitch. 2,989,128, 6–20–61, Cl. 172—447.
Gaines, John R. and C. F., C. C. De Pew, and W. J. Carry; said J. R. Gaines, said De Pew, and said Carry assors. to said C. F. Gaines. Handicapping device for racing sulkies. 2,997,136, 8–22–61, Cl. 188—17.
Gaines, Walter A.: *See*—
Sletzinger, Meyer, Ruyle, and Gaines. 2,995,566.
Gainey, Walter B. Examination recording and correcting device. 2,983,052, 5–9–61, Cl. 35—9.
Gaino, Joseph. System for treating a continuously moving flexible web. 2,979,933, 4–18–61, Cl. 68—22.
Gains, Walter A., M. Sletzinger, and W. Ruyle, to Merck & Co., Inc. Serotonin antagonists. 3,014,043, 12–19–61, Cl. 260—319.
Gaiser, Romey A., to Libbey-Owens-Ford Glass Co. Electroluminescent structure. 2,980,817, 4–18–61, Cl. 313—108.
Gait, John A., ½ to Pam Clock Co., Inc., and ½ to J. A. Gait. Automatic setting barometer. 3,004,433, 10–17–61, Cl. 73—387.
Gaither, Howard H.: *See*—
Boewe, Howard L., and Gaither. 2,995,249.
Boewe, Howard L., and Gaither. 2,995,250.
Gaither, Raymond A., to General Motors Corp. Pre-aiming lamps in sealing machine. 2,997,357, 8–22–61, Cl. 316—23.
Gajdosik, Walter S. Method and apparatus for forming thermoplastic plastic. 2,983,955, 5–16–61, Cl. 18—19.
Gajewski, Fred J., and L. M. Schenck, to General Aniline & Film Corp. Process of preparing salt-free N-acyl taurines. 2,974,153, 3–7–61, Cl. 260—401.
Gakle, Wendolyn F. Abdominal belt. 2,995,134, 8–8–61, Cl. 128—545.
Gal, Andrew, ½ to I. Molner. Pulsating pneumatic body supporting device and pneumatic valve therefor. 3,008,465, 11–14–61, Cl. 128—33.
Gal Inc.: *See*—
Aibel, Fredric L. 2,985,002.
Gala Industries, Inc.: *See*—
Dudley, Vernon E. 3,005,287.
Galamba, Donald J. Portable corral. 3,002,493, 10–3–61, Cl. 119—20.
Galas, Theodore A., and C. R. Sublett, to Electronic Engineering Co. of California. Computer format control buffer. 3,012,230, 12–5–61, Cl. 340—172.5.
Galat, Alexander. New and improved rodenticides. 2,983,743, 5–9–61, Cl. 260—438.
Galat, Alexander. Hexamethylenetetramine hippurate. 3,004,026, 10–10–61, Cl. 260—248.5.
Galba, Richard: *See*—
Ellenson, Evelyn, and Galba. 2,969,328.
Galba, Richard V.: *See*—
Ellenson, Evelyn, and Galba. 2,990,371.
Galbierz, Jerome J.: *See*—
Fienup, William F. J., and Galbierz. 2,984,182.
Galbierz, Jerome J., to R. C. Can Co. Dispensing type closure. 2,971,681, 2–14–61, Cl. 222—548.
Galbierz, Jerome J., to R. C. Can Co. Disposable refill cartridge-tube for reloading grease dispensing guns. 3,007,621, 11–7–61, Cl. 229—5.6.
Galbraith, Hugh J., to United States of America, Air Force. Elastica computer. 2,983,441, 5–9–61, Cl. 235—61.
Galbraith, Martin J., and W. T. Burbank, to KVP Sutherland Paper Co. Machine for testing perforations in tear open cartons. 2,983,139, 5–9–61, Cl. 73—102.
Galbreath, Robert R., to Bell Telephone Laboratories, Inc. Spectrum analyzer. 2,996,667, 8–15–61, Cl. 324—77.
Galdos, Tomas: *See*—
Euler, Luis. 3,013,543.
Gale, Alfred J., to High Voltage Engineering Corp. Pulsing system for electrostatic accelerator. 2,967,258, 1–3–61, Cl. 315—3.
Gale, Alfred J., to High Voltage Engineering Corp. Compact neutron source. 2,985,760, 5–23–61, Cl. 250—84.5.
Gale, Alfred J., to High Voltage Engineering Corp. Compact neutron source. 2,992,333, 7–11–61, Cl. 250—84.5.
Gale, Alfred J., to Electronized Chemicals Corp. Thermomechanical leak. 3,010,690, 11–28–61, Cl. 251—11.
Gale, Alfred J., to High Voltage Engineering Corp. Apparatus for neutron activation analysis. 3,011,056, 11–28–61, Cl. 250—71.5.
Gale, George P., to Beckman Instruments, Inc. Photometer slit mechanism. 3,009,390, 11–21–61, Cl. 88—61.
Gale, James G., to Newco Mfg. Co., Inc. Safety sling hook. 2,992,465, 7–18–61, Cl. 24—73.
Gale, Winsor. Rail transportation switching system. 3,012,517, 12–12–61, Cl. 104—28.
Gales, Richard J., to Accurate Bushing Co. Roller assembly. 2,977,163, 3–28–61, Cl. 308—207.
Gales, Richard J., to Ex-Cell-O Corp. Bearing seal assembly. 3,007,752, 11–7–61, Cl. 308—187.2.
Gales, Richard J., to Ex-Cell-O Corp. Cage for roller bearing assembly. 3,014,769, 12–26–61, Cl. 308—213.
Gales, Robert S., and I. Rehman. Noise exposure meter. 3,014,550, 12–26–61, Cl. 181—.5.
Galesky, Leonard T. Semi-artificial tree with water supply. 3,007,282, 11–7–61, Cl. 47—41.
Galgano, Angelo L.: *See*—
Daugherty, Jesse, Durand, Wheeler, Coffill, Shattes, and Galgano. 2,968,517.
Galigher Co., The: *See*—
Anderson, Charles M., and Sayers. 2,973,095.
Galin, Leo L. Vibrating reed control device. 2,967,219, 1–3–61, Cl. 200—90.
Galin, Robert, to General Motors Corp. Refrigerating apparatus. 2,991,931, 7–11–61, Cl. 230—145.
Galis Electric & Machine Co.: *See*—
Pyles, Harley G. 2,980,373.
Galitz, Raymond F., to Continental Can Co., Inc. Sheet slitting and scrap coiling machine and method. 2,969,103, 1–24–61, Cl. 153—2.
Gall, John F.: *See*—
La Lande, William A., Jr., and Gall. 2,998,388.
Gall, Rudi: *See*—
Achelis, Johann D., Haack, Gall, Heerdt, and Voemel. 2,988,547.
Gallaghan, John A., and R. Evans, to United States of America, Navy. Tetrahydropyrimidine derivatives and their preparation. 2,994,695, 8–1–61, Cl. 260—256.4.
Gallaghan, John A., and R. Evans. 1,3-bis(nitroguanidino)-2-nitroxypropane, 1,3-bis(guanidinium)-2-hydroxy propane and the preparation thereof. 3,014,073, 12–19–61, Cl. 260—564.
Gallagher, Charles E., and R. B. Eaves. Remote control system for aircraft. 2,969,934, 1–31–61, Cl. 244—77.
Gallagher, Charles E., and R. B. Eaves. Automatic throttle control mechanism for aircraft. 2,982,498, 5–2–61, Cl. 244—77.
Gallagher, Cornelius A., and W. M. Pelino, to Servo Corp. of America. Hot-box detector. Re. 24,983, 5–9–61, Cl. 246—169.
Gallagher, Cornelius A., and W. M. Pelino, to Servo Corp. of America. Hot-box detector. 2,999,152, 9–5–61, Cl. 246—169.
Gallagher, Henry P. Drape lock. 2,992,466, 7–18–61, Cl. 24—88.
Gallagher, Norman K., and F. P. Caruthers, to Specialties, Inc. Control device. 3,007,343, 11–7–61, Cl. 74—10.5.
Gallagher, William H.: *See*—
La Fleur, George, Gallagher, and Reef. 3,007,169.
Gallagher, William P., A. D. Stolle, and D. E. Schroeder, to International Register Co. Yieldable gear arrangement for an interval timer. 2,973,659, 3–7–61, Cl. 74—405.
Galland-Henning Mfg. Co.: *See*—
Hillstrom, Nils B. 2,985,101.
Nunnemacher, Hermann A. 3,005,669.
Gallant Knight, Inc.: *See*—
Feigen, Morton B., and Sharp. 2,984,914.
Gallas, Albert J.: *See*—
Howell, Joe H., Fillman, and Gallas. 3,013,793.
Gallaway Mills Co.: *See*—
Armstrong, William McD. 2,996,873.
Gallaway, Norris W., to American Mfg. Co. of Texas. Means connecting double pitman to pump unit equalizer beam. 3,005,353, 10–24–61, Cl. 74—41.
Gallaway, Thomas L. Sandal with removable upper therefor. 2,976,623, 3–28–61, Cl. 36—11.5.
Gallay, Harris, and W. D. Cohen; said Gallay assor. of ½ to United States of America, Navy. Conical scan attenuator. 3,009,122, 11–14–61, Cl. 333—81.
Gallegos, Carlos T.: *See*—
Wetzel, James E., and Gallegos. 3,002,708.
Galleher, Ellis A., Jr. Head strap for respiratory masks 3,013,556, 12–19–61, Cl. 128—146.
Galleher, Louis C.: *See*—
Thostenson, Lewis D., and Galleher. 2,976,975.
Gallentine, Donal O., to Radiation, Inc. Stylus assembly. 2,966,727, 1–3–61, Cl. 29—155.5.

Gallentine, Donal O., to Radiation, Inc. Fixed styli recording head. 2,967,083, 1–3–61, Cl. 346—139.
Gallentine, Donal O., and C. E. Keith, to Radiation, Inc. Stylus assembly method. 2,966,726, 1–3–61, Cl. 29—155.5.
Gallman, Otice, ½ to J. G. Lee. Deceleration fuel cutoff control for internal combustion engines. 2,993,484, 7–25–61, Cl. 123—97.
Gallo, Charles J., Jr. Retractable stop attachment for sliding drawer for furniture. 2,980,485, 4–18–61, Cl. 312—348.
Gallo, Ella A., and W. F. Payne, to Curtiss-Wright Corp. Variable area nozzle. 2,999,354, 9–12–61, Cl. 60—35.6.
Gallo, Michael S. Hand pressure sprayer. 3,002,698, 10–3–61, Cl. 239—308.
Galloway, Andrew W.: *See*—
Camilli, Guglielmo, and Galloway. 2,989,863.
Galloway, Arthur L., to Diamond Alkali Co. Pesticidal composition. 2,996,426, 8–15–61, Cl. 167—42.
Galloway, Mary V. Bed equipped with guard means. 3,002,199, 10–3–61, Cl. 5—100.
Galloway, Robert K., to Food Machinery and Chemical Corp. Machine for inserting articles into cartons. 2,979,873, 4–18–61, Cl. 53—251.
Galloway, Robert K., to Food Machinery and Chemical Corp. Carton closing mechanism. 2,979,876, 4–18–61, Cl. 53—374.
Galloway, Samuel R. and W. H.; said S. R. Galloway assor. to said W. H. Galloway. Supporting post. 3,011,597, 12–5–61, Cl. 189—30.
Galloway, Samuel R. and W. H., to said W. H. Galloway. Supporting post. 3,011,598, 12–5–61, Cl. 189—30.
Galloway, Victor A. Load compressing and dumping vehicle. 3,007,589, 11–7–61, Cl. 214—82.
Galloway, William H.: *See*—
Galloway, Samuel R. and W. H. 3,011,597.
Galloway, Samuel R. and W. H. 3,011,598.
Galluzzi, Gustavo. Spool for endless film. 2,975,988, 3–21–61, Cl. 242—55.19.
Galonska, David A., to General Motors Corp. Stamped ball nut. 3,006,212, 10–31–61, Cl. 74—459.
Galonska, David A., and W. T. Gobble, to General Motors Corp. Ball bearing screw and nut assembly. 2,995,948, 8–15–61, Cl. 74—459.
Galowin, Lawrence S.: *See*—
Barbieri, Donald B., Becker, Dalton, and Galowin. 2,975,225.
Galway, Thomas W. R., and G. Townend, to Short Brothers and Harland Ltd. Method for cooling missile electronic packages. 3,013,745, 12–19–61, Cl. 244—14.
Galy, Andre J.: *See*—
Menegoz, Charles D., and Galy. 2,986,461.
Gamache, Ernest A., to Westinghouse Electric Corp. Handle for window mounted appliance. 2,985,092, 5–23–61, Cl. 98—94.
Gamber, Erwin J., to Aluminum Co. of America. Filtering of molten aluminum. 3,006,473, 10–31–61, Cl. 210—69.
Gambill, Marvin, to United Chemical Corp. of New Mexico. Fracture treatment of earth formations. 3,000,442, 9–19–61, Cl. 166—42
Gambill, Ulysses T.: *See*—
Brisley, Frank O., and Gambill. 2,984,312.
Gambill, Ulysses T., to Owens-Corning Fiberglas Corp. Fibrous glass panel. 2,984,313, 5–16–61, Cl. 181—33.
Gamble, Charles B. Dispenser for paper sheets. 2,981,408, 4–25–61, Cl. 206—73.
Gamble, Howard W., to Bachman Bros., Inc. Sunglass frame. 2,996,955, 8–22–61, Cl. 88—53.
Gamble, Paul E.: *See*—
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Gamble, Richard F., to United Aircraft Corp. Speed topping control. 2,968,345, 1–17–61, Cl. 158—36.
Gamble, William R., to Metal Closures Ltd. Closures for bottles and like containers. 3,001,657, 9–26–61, Cl. 215—42.
Gamble, William R., to Metal Closures Ltd. Closures for bottles and like containers. 3,013,371, 12–19–61, Cl. 53—329.
Gamboni, Leonello, to Incoma S.p.A. Method of making lasts for footwear and device therefor. 3,006,394, 10–31–61, Cl. 144—325.
Gameco Corp.: *See*—
Hendricks, George D. 3,005,188.
Gamertsfelder, George R.: *See*—
Stavis, Gus, and Gamertsfelder. 2,994,875.
Gamewell Co., The: *See*—
Bartlett, Thomas B. 2,989,704.
Hill, Frank W. 2,970,247.
Ruth, Edward S. 3,009,023.
Vacha, Fred P. 3,010,090
Vatt, David E., Dyer, and Thompson. 2,981,225.
Weld, Foster E. 2,994,860.
Gammeter, John R., to M. J. Thomas. Apparatus for stripping thin rubber articles from a form. 3,007,195, 11–7–61, Cl. 18—2.
Gammill, Edward L.: *See*—
Culff, Harold E., Boettcher, and Gammill. 2,978,265.
Gampp, Hans.: *See*—
Grundmann, Werner, Bachmann, Halder, and Gampp. 2,984,657.
Gamrath, Harry R.: *See*—
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Gamundi, Reynold F., to Eaton Mfg. Co. Electromagnetic devices with friction lining. 2,982,385, 5–2–61, Cl. 192—84.
Gamzon, Robert R., and E. H. Frei. Electroacoustic transducers. 3,013,905, 12–19–61, Cl. 179—115.5.
Ganahl, Joseph F., to North American Aviation, Inc. Ducted nozzle testing apparatus. 2,975,632, 3–21–61, Cl. 73—116.
Gancberg Abraam, to Union Chimique Belge, S.A. Process to render water-repellent building materials. 2,982,674, 5–2–61, Cl. 117—123.
Gancia, Paul: *See*—
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Gander, Arnold F., to Western Corrugated, Inc. Fiberboard container. 3,012,703, 12–12–61, Cl. 229—16.
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Marcheguet, Henri G. L., and Gandon. 2,994,585.
Gandrud, Ebenhard S. Device for spreading granular material. 2,990,186, 6–27–61, Cl. 275—14.
Gandrud, Ebenhard S. Sprocket and bushing therefor. 3,005,356, 10–24–61, Cl. 74—230.11.
Gandy, Ltd.: *See*—
Birt, Stanley. 2,998,031.
Gang, Herman, to Monroe Calculating Machine Co. Multiplication control means for ten key calculating machines. 2,970,754, 2–7–61, Cl. 235—60.
Gang, Herman, to Monroe Calculating Machine Co. Registration control means for adding-subtracting listing machines. 2,970,755, 2–7–61, Cl. 235—60.2.
Gang, Herman, to Monroe Calculating Machine Co. Quotient registration means for calculating machines. 2,980,323, 4–18–61, Cl. 235—79.
Gang, Herman, to Monroe Calculating Machine Co. Punctuation printing mechanism for digital printers. 2,986,993, 6–6–61, Cl. 101—93.
Gang, Herman, to Monroe Calculating Machine Co. Total taking mechanism for crawl-carry accumulators. 3,007,633, 11–7–61, Cl. 235—60.31.
Gang, Herman, and L. S. Sepanak, to Monroe Calculating Machine Co. Constant factor mechanism. 2,995,299, 8–8–61, Cl. 235—144.
Ganger, Harry. Jet-propelled airplane. 2,967,028, 1–3–61, Cl. 244—12.
Gangneux, Rene E.: *See*—
Weinstein, Georges, Woerth, and Gangneux. 2,993,917.
Gangneux, Rene E. M., to Compagnie Francaise des Matieres Colorantes. Monosulphonated di-ortho-hydroxy-azo dyestuffs. 2,977,354, 3–28–61, Cl. 260—195.
Gangneux, René E. M., and J. J. Le Blanc, to Compagnie Francaise des Matieres Colorantes. Process for the colouration of linear polyester fibres with new azo dyestuffs. 3,012,843, 12–12–61, Cl. 8—55.
Gannett, Chauncey W., to Wellington Machine Co. Wheel. 2,983,550, 5–9–61, Cl. 301—63.
Gannett, Wright K.: *See*—
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Kuntz, George A., and Gannon. 2,998,546.
Gannon, John J., to Lancaster Engineering Co. Heat transfer fin. 2,976,022, 3–21–61, Cl. 257—262.16.
Gano, Robert D., to E. I. du Pont de Nemours and Co. Stabilized gasoline-soluble disazo dye compositions and process of preparing same. 3,004,821, 10–17–61, Cl. 8—3.
Gans, Werner A.: *See*—
Swift, Robert J., Affrunti, Altschuler, and Gans. 2,966,986.
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Ganson, Philip: *See*—
Denney, Ralph E. 3,002,331.
Gansser, Charles: *See*—
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Ganter, Leo J. Closure device. 3,008,612, 11–14–61, Cl. 222—543.
Gantschnigg, Gottfried K., and R. W. Ziegler, Jr., to General Dynamics Corp. Ejector for external carried stores. 3,009,730, 11–21–61, Cl. 294—83.
Gantz, Hyman A.: *See*—
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Ganz, Alexander J., to Hercules Powder Co. Stabilized icings and process. 3,009,812, 11–21–61, Cl. 99—139.
Ganz, Dietrich: *See*—
Assmus, Fritz, Boll, Detert, Ganz, Ibe, and Pfeifer. 2,992,952.
Ganz, Frederick M., Jr., and D. E. Otermat, to Tidy Chemical Co. Hanging device and container. 2,980,277, 4–18–61, Cl. 215—100.
Ganz, Henry, to Continental Can Co., Inc. Machine and method for packaging articles. 2,986,857, 6–6–61, Cl. 53—48.
Ganz, Henry, to Johnson & Johnson. Machine for winding log roll. 2,999,653, 9–12–61, Cl. 242—56.
Ganz, Henry, A. R. Pasquine, and W. P. Belden, to Johnson & Johnson. Method and machine for cutting adhesive bandages from a web. 3,000,430, 9–19–61, Cl. 154—1.
Ganz, Robert H., to Continental Can Co., Inc. Method and machine for packaging articles. 2,998,685, 9–5–61, Cl. 53—32.
Ganzenmüller, Albert, to Hoesch Werke Aktiengesellschaft, and Aktiengesellschaft Fuer Berg-und Huellenbetriebe. Method and apparatus for amphibiously transporting goods. 3,011,319, 12–5–61, Cl. 61—67.
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Gaon, Joseph, to Heat Timer Corp. Photo-electric monitor for pointer indicating instruments. 2,979,628, 4–11–61, Cl. 307—96.

Gapinski, Joseph S. Food package. 2,992,119, 7–11–61, Cl. 99—179.
Gapp, Roland H., to Townsend Co. Rivet setting tool. 2,999,610 9–12–61, Cl. 218—35.
Gapp, William H., to Wilmot-Breeden Ltd. Heat exchangers. 2,988,033, 6–13–61, Cl. 113—118.
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Gaquin, John H., to Beckwith-Arden Inc. Shoe heater. 2,970,331, 2–7–61, Cl. 12—59.7.
Garabedian, Arthur, to Collins Radio Co. Counter type phase-pulse detector. 3,013,211, 12–12–61, Cl. 328—109.
Garabello, Giuseppe. Remote-controlled device for closing and opening fuel-tanks of motor-vehicles. 2,999,613, 9–12–61, Cl. 220—86.
Garafola, Michael. Accelerator pedal extension. 2,996,931, 8–22–61, Cl. 74—562.
Garal Mfg. Corp.: *See*—
Jeffries, Dan W. 2,995,216.
Jeffries, Dan W. 2,996,886.
Garapolo, Orlando, to Wilson & Co., Inc. Selective card dispensing tray. 2,975,576, 3–21–61, Cl. 53—391.
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Graham, Richard P., Edwards, and Garasimowicz. 2,990,795.
Garaway, Alexander. Swimming pool cleaning apparatus. 2,982,971, 5–9–61, Cl. 4—172.
Garbarini, Victor C., to Esso Research and Engineering Co. Vaporizing apparatus. 2,984,989, 5–23–61, Cl. 62—52.
Garbe, Howard W., to Western Electric Co., Inc. Fixture for straightening and aligning magnetron pins. 3,006,399, 10–31–61, Cl. 153—32.
Garbellano, David W. Diving apparel. 2,981,954, 5–2–61, Cl. 2—2.1.
Garber, Calvin S.: *See*—
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Garber, John D.: *See*—
Jones, Robert E., and Garber. 2,995,581.
Reynolds, Harold C., Jones, and Garber. 3,014,926.
Reynolds, Harold C., O'Neill, and Garber. 3,014,895.
Garber, John D., R. A. Gasser, and A. E. Jones, to Merck & Co., Inc. Synthesis of furans. 2,989,546, 6–20–61, Cl. 260—347.7.
Garber, John D., R. A. Gasser, and R. E. Jones, to Merck & Co., Inc. Derivatives of 5-hydroxymethyl furfural and process of producing them. 2,995,582, 8–8–61, Cl. 260—347.7.
Garber, John D., R. E. Jones, and S. A. Robinson, to Merck & Co., Inc. Monoesters of tetrahydrofuran glycol. 3,014,927, 12–26–61, Cl. 260—347.4.
Garber, Murray, to American Cyanamid Co. Preparation of N-chlorinated iso cyanuric acids. 2,985,655, 5–23–61, Cl. 260—248.
Garber, Roy W., to Moto-Mower, Inc. Spreader with slide member. 3,002,656, 10–3–61, Cl. 222—43.
Garberding, Waldo L. Combination motor mount and hydraulic pressure booster. 2,988,942, 6–20–61, Cl. 82—28.
Garbo, Paul W., to Hydrocarbon Research, Inc. Process for carrying out endothermic reactions. 2,979,390, 4–11–61, Cl. 48—202.
Garbolino, Henri. Fishing-rod yarn guide ring. 2,992,506, 7–18–61, Cl. 43—24.
Garbrick, Vernon H. Foldable and portable ferris wheel. 3,002,753, 10–3–61, Cl. 272—29.
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Garbuny, Max, to Westinghouse Electric Corp. Color thermal image system. 2,971,093, 2–7–61, Cl. 250—83.3.
Garbuny, Max, to United States of America, Air Force. Thermal image converter. 2,979,622, 4–11–61, Cl. 250—217.
Garbuny, Max, to United States of America, Air Force. Photothermionic apparatus. 2,980,813, 4–18–61, Cl. 313—65.
Garbuny, Max, and W. A. Feibelman, to Westinghouse Electric Corp. Thin screen members. 2,985,783, 5–23–61, Cl. 313—65.
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Garcia, Clarence D. Vehicle body assembly having passenger enclosure extension or addition means. 2,971,794, 2–14–61, Cl. 296—26.
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Garcia, Fred: *See*—
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Garcia, Manuel S. Drilling fixture for mounting cabinet door pulls. 2,990,733, 7–4–61, Cl. 77—62.
Gard, Jon I. Combination golf cart and chair. 3,014,760, 12–26–61, Cl. 297—192.
Gardafee, Harvey P.: *See*—
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Garday, Louis J., to The Bendix Corp. Fuel injection nozzle. 2,974,881, 3–14–61, Cl. 239—533.
Garde, Aage, E. Persson, and H. Schiott, to Allmanna Svenska Elektriska Aktiebolaget. Control equipment for copying machine tools. 3,014,390, 12–26–61, Cl. 82—14.
Gardel, Robert, and A. Rogovin. Doll crawling mechanism. 2,978,834, 4–11–61, Cl. 46—149.
Gardel, Robert, and A. Rogovin. Doll crawling mechanism. 2,978,835, 4–11–61, Cl. 46—149.
Gardel, Robert, V. Kagan, and A. Rogovin. Extension leg rest for chairs and the like. 3,007,738, 11–7–61, Cl. 297—430.
Garden City Plating & Mfg. Co.: *See*—
McLean, James. 2,979,866.
Ruhnke, Richard R. 2,985,316.
Gardineer, Bayard G., Jr., to International Business Machines Corp. Fluid apparatus. 2,989,005, 6–20–61, Cl. 103—161.
Gardiner, Arthur W., to General Motors Corp. Jet thrust reversing and afterburner means. 2,996,881, 8–22–61, Cl. 60—35.54.
Gardiner, Duncan B., to Vickers Inc. Power transmission. 2,967,488, 1–10–61, Cl. 103—136.
Gardiner, William A. Receptacle for trash and soiled materials. 2,994,453, 8–1–61, Cl. 220—29.
Gardner, Andrew L.: *See*—
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Smith, John O., and Gardner. 2,986,446.
Gardner, Dale W.: *See*—
Lalim, James J., and Gardner. 2,997,154.
Gardner, Daniel E.: *See*—
Bonn, John L., and Gardner. 2,991,671.
Gardner, David M., to Thiokol Chemical Corp. Catalytic polymerization of diolefins using pentaborane. 2,989,573, 6–20–61, Cl. 260—680.
Gardner-Denver Co.: *See*—
Bent, John H., and Olsson. 2,974,609.
Bos, John R., and Shulters. 3,006,563.
Mayhew, Herman W., Jr. 3,005,504.
Meyer, John L. 3,002,644.
Robinson, Claude L. 2,988,935.
Simson, Adolf P. 3,007,626.
Smith, Ralph E. 2,989,288.
Williams, Raymond F. 2,989,074.
Gardner, Donald B., to Bell & Gossett Co. Off season liquid chiller control device. 2,979,915, 4–18–61, Cl. 62—132.
Gardner, Donald B., and M. H. Hofmeister, to Bell & Gossett Co. Combined heating and cooling system. 2,984,460, 5–16–61, Cl. 257—297.
Gardner, Edward B., to Emhart Mfg. Co. Method and apparatus for shaping plastic sheet material. 3,004,288, 10–17–61, Cl. 18—19.
Gardner, Forrest I. Side delivery hay rake. 3,011,300, 12–5–61, Cl. 56—376.
Gardner, Frederick H., to North American Aviation, Inc. Static pressure error compensator. 3,002,382, 10–3–61, Cl. 73—182.
Gardner, George S.: *See*—
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Gardner, Guy F., to Massey-Ferguson Inc. Tractor drawn implements. 2,996,128, 8–15–61, Cl. 172—449.
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Gardner, James H., and C. A. Baer, to National Steel Corp. Vacuum coating apparatus. 2,989,026, 6–20–61, Cl. 118—49.
Gardner, John M., to D. Napier & Son Ltd. Mountings for rings or discs. 2,995,390, 8–8–61, Cl. 286—11.14.
Gardner, Karl A., and F. Boni, Jr., to The Griscon-Russell Co. Heat exchanger construction. 2,995,343, 8–8–61, Cl. 257—241.
Gardner, Karl A., J. Lode, and A. J. Ryder, to The Griscom-Russell Co. Heat exchanger tube support construction. 3,012,761, 12–12–61, Cl. 257—236.
Gardner, Lawrence H. Solenoid operated valve. 2,983,285, 5–9–61, Cl. 137—623.
Gardner, Lawrence H. Manifold valve assembly. 2,996,080, 8–15–61, Cl. 137—623.
Gardner, Leland A., and J. L. Hysko, to Bell Telephone Laboratories, Inc. Carrier telegraph switchboard supervisory systems. 2,985,717, 5–23–61, Cl. 178—88.
Gardner, Lloyd E., to Phillips Petroleum Co. Hydrocracking catalyst and process for hydrocracking of hydrocarbons with said catalyst composite. 2,970,102, 1–31–61, Cl. 208—112.
Gardner Machine Co.: *See*—
Benkovich, John A., Whittington, and Price. 2,990,659.
Dunn, Elman R. 2,972,343.
Dunn, Elman R. 3,001,337.
Gardner, Mark B., to Bell Telephone Laboratories, Inc. Torpedo control system. 3,010,417, 11–28–61, Cl. 114—23.
Gardner, Oliver H. Equalizing base support for ladders. 2,969,126, 1–24–61, Cl. 182—202.
Gardner, Patrick J., to John Morrell & Co. Automatic ham press. 2,976,656, 3–28–61, Cl. 53—70.
Gardner, Patrick J., to John Morrell & Co. Can opening apparatus. 2,984,375, 5–16–61, Cl. 214—305.
Gardner, Percy S., Jr. Hoisting solid aggregates in liquids. 3,003,820, 10–10–61, Cl. 302—14.
Gardner, Raymond, Jr., and A. J. Ryder, to The Griscom-Russell Co. Method of welding tubular heat exchanger parts. 2,996,600, 8–15–61, Cl. 219—61.
Gardner, Richard H., to Clark Equipment Co. Disc brake. 2,985,259, 5–23–61, Cl. 188—72.
Gardner, Robert B.: *See*—
Martin, Howard W., and Gardner. 2,987,793.
Gardner, Robert E., to Theodore C. Smith. Fill signal. 2,972,362, 2–21–61, Cl. 141—96.

Gardner, Robert H., to Ford Motor Co. Anti-inertia brake for countershaft power transmission. 2,993,574, 7–25–61, Cl. 192—4.
Gardner, Robert L.: *See*—
Briggs, Joseph A., Jr., and Gardner. 2,979,766.
Gardner, Roland M., E. E. Yeo, and D. P. Drown, to Sylvania Electric Products Inc. Lamp mount transfer. 3,002,603, 10–3–61, Cl. 198—29.
Gardner, Stewart F. Trailer constructions. 2,985,375, 5–23–61, Cl. 237—43.
Gardner, Thomas P., to Texaco Inc. Apparatus for applying sealing material. 2,989,028, 6–20–61, Cl. 118—602.
Gardner, Thomas S., J. Lee, and E. Wenis, to Hoffmann-La Roche Inc. 1-pantoyl-2-aralkyl hydrazines. 3,014,072, 12–19–61, Cl. 260—562.
Gardner, Wallace J., and J. C. R. Licklider; said Licklider assor. to Bolt Beranek & Newman, Inc. Apparatus and process for relieving pain and discomfort. 2,986,140, 5–30–61, Cl. 128—1.
Gardner, Walter L. Sealed beam lamp. 3,014,153, 12–19–61, Cl. 315—83.
Gardner, William A. Respirator. 3,014,480, 12–26–61, Cl. 128—203.
Gardon, John L., and B. Leopold, to Canadian International Paper Co. Process for obtaining infusible products of high carbon contents from lignin sulphonates. 2,977,352, 8–28–61, Cl. 260—124.
Garehime, Jacob W. Collapsible water cycle. 2,990,804, 7–4–61, Cl. 115—26.
Gareis, Paul J., and P. H. Mohr, to Union Carbide Corp. Process for depositing beta silicon carbide. 3,011,912, 12–5–61, Cl. 117—106.
Garey, Albert J., to U.S. Electrical Motors, Inc. Shaft adjusting and testing mechanism. 2,993,448, 7–25–61, Cl. 103—83.
Garfield, Isadore W. Deodorant unit. 2,988,283, 6–13–61, Cl. 239—52.
Garfinkel, Alan R., to Sperry Rand Corp., Ford Instrument Co. Division. Regulated power supply against load, not line. 2,985,813, 5–23–61, Cl. 321—18.
Gargan, Ernest R., deceased; L. L. Gargan, executrix, to British Timkin Ltd. Shafts for carrying interference-fitted members thereon. 2,980,474, 4–18–61, Cl. 308—236.
Gargan, Lilian L.: *See*—
Gargan, Ernest R. 2,980,474.
Gargini, Eric J., to Electric & Musical Industries Ltd. Colour television receivers. 3,004,098, 10–10–61, Cl. 178—5.4.
Garihan, John E., W. E. Morrow, and R. C. Zabor, to Gulf Research & Development Co. Catalytic reforming in a reactor having a high length-to-diameter ratio. 2,967,145, 1–3–61, Cl. 208—134.
Garin, Paul, and P. Prugne, to Commissariat a l'Energie Atomique. High vacuum pumps. 3,009,629, 11–21–61, Cl. 230—69.
Garito, Joseph F., H. J. Foster, and L. E. Tiffany. Rotation counter for vertical printing presses. 2,986,087, 5–30–61, Cl. 101—269.
Garland, Edward J., to The Electric Storage Battery Co. Lantern construction. 2,991,349, 7–4–61, Cl. 240—10.63.
Garland, Milton W., to Frick Co. Product chiller. 2,979,914, 4–18–61, Cl. 62—64.
Garland, Robert J., to Carrier Corp. Apparatus and method for fabricating finned tubing. 3,000,084, 9–19–61, Cl. 29—157.3.
Garlock Inc.: *See*—
Mayer, Ehrhard. 3,014,742.
Milligan, George R. 3,013,830.
Wright, Foster E., and Stucke. 2,992,027.
Garmager, Curt H., to Borg-Warner Corp. Clutch. 3,010,555, 11–28–61, Cl. 192—109.
Garmaise, David L., G. E. Just, and A. F. McKay, to Monsanto Canada Ltd. Substituted benzylesters of substituted benzyldithiocarbamic acids. 2,972,627, 2–21–61, Cl. 260—455.
Garman, Donald F., to Prestole Corp. Stand-off guide for antenna cables. 2,967,039, 1–3–61, Cl. 248—231.
Garman, Edward B., to Owens-Illinois Glass Co. Dispensing carton. 2,996,344, 8–15–61, Cl. 312—45.
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Jones, Howard A., Garman, and Dickinson. 2,970,940.
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Jones, Howard A., Garman, and Dickinson. 2,990,322.
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Jones, Howard A., Garman, and Dickinson. 2,995,487.
Jones, Howard A., Garman, and Dickinson. 2,995,488.
Garman, Kenneth C., to United States of America, Navy. Fuse housing. 2,990,777, 7–4–61, Cl. 102—70.2.
Garmon, Lester L. Tire regrooving machine. 2,972,376, 2–21–61, Cl. 157—13.
Garmy, Robert J., to Republic Steel Corp. Electric furnace utilizing consumable electrodes and method of operating same. 2,973,452, 2–28–61, Cl. 314—69.
Garmy, Robert J., to Republic Steel Corp. Electric furnace crucible. 2,984,876, 5–23–61, Cl. 22—57.
Garner, Abel E., to Garner & Co., Inc. Step-on-can. 3,008,604, 11–14–61, Cl. 220—87.
Garner, Abel E., to Garner & Co., Inc. Canister set unit. 3,008,788, 11–14–61, Cl. 312—309.
Garner, Albert Y., to Monsanto Chemical Co. Novel interpolymers. 3,010,946, 11–28–61, Cl. 260—78.4.
Garner, Albert Y., to Monsanto Chemical Co. Phosphorus aromatic compounds. 3,010,998, 11–28–61, Cl. 260—606.5.
Garner, Albert Y., to Monsanto Chemical Co. Ethylenically unsaturated phosphorus compounds. 3,010,999, 11–28–61, Cl. 260—606.5.
Garner, Albert Y., to Monsanto Chemical Co. Phosphorus compounds. 3,011,000, 11–28–61, Cl. 260—606.5.
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Garner, Abel E. 3,008,604.
Garner, Abel E. 3,008,788.
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Brillhart, William O., Garner, and Park. 2,993,812.
Garner, Lloyd P., and W. N. Parker, to Radio Corp. of America. Electron tube construction. 2,996,637, 8–15–61, Cl. 313—265.
Garner, Oscar G., to General Cable Corp. Method and apparatus for fabrication of paper tape insulated cables. 2,998,692, 9–5–61, Cl. 57—3.
Garner, Paul H. Offset disc harrow. 2,967,576, 1–10–61, Cl. 172—583.
Garner, Ronald F.: *See*—
Bigland, Bernard K., and Garner. 2,979,275.
Garner, Wendell R., and S. S. Stevens, to United States of America, War. Noise frequency-modulated pulse generator. 2,997,662, 8–22–61, Cl. 331—78.
Garnett, Donald I.: *See*—
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Garnett, Donald W., to The Olofsson Corp. Radially adjustable rotary cutter. 2,968,859, 1–24–61, Cl. 29—105.
Garnett, Donald W., to The Olofsson Co. Packaging apparatus. 2,975,568, 3–21–61, Cl. 53—53.
Garnett, Donald W., to The Olfsson Co. Bag feeding apparatus. 2,994,527, 8–1–61, Cl. 271—54.
Garnett, Donald W., to The Olofsson Corp. Fluid operated mechanism for retracting metal cutting tool. 3,007,353, 11–7–61, Cl. 77—3.
Garnett, Edward V. Device for storage of elongated articles on a vehicle. 3,013,681, 12–19–61, Cl. 214—450.
Garnett, John M., Jr. Boring bar mover. 2,994,551, 8–1–61, Cl. 294—15.
Garnett, Willard: *See*—
Falk, Harry J., Garnett, and Stahlhut. 2,991,708.
Garnett, William. Movable piece game. 2,982,551, 5–2–61, Cl. 273—131.
Garnier, Georges, to Air-Equipment. Hydraulic transmission. 3,004,450, 10–17–61, Cl. 74—687.
Garnier, Georges, to Air-Equipement. Hoisting winches. 3,005,622, 10–24–61, Cl. 254—175.7.
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Garofalo, Frank, and G. V. Smith, to United States Steel Corp. Method for testing metals. 2,986,922, 6–6–61, Cl. 73—15.4.
Garrard, Billy R.: *See*—
Galennie, Frank C., and Garrard. 2,992,140.
Garrard Engineering and Mfg. Co. Ltd., The: *See*—
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Marshall, Thomas S. 2,983,796.
Garrard, Howard F.: *See*—
Mayo, Alfred M., and Garrard. 2,989,050.
Garrard, Wilfred C. J.: *See*—
Fielding, Peter G., Garrard, and Norman. 2,974,904.
Garraway, George H., and R.P. Kirkup, to Orr & Sembower, Inc. Fuel control valves. 2,976,885, 3–28–61, Cl. 137—608.
Garreta, Olivier, to Compagnie Generale de Telegraphie Sans Fil. Non linear semiconductor element. 3,013,161, 12–12–61, Cl. 307—88.5.
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Weiss, Mortimer E., and Garretson. 2,976,452.
Garretson, Everett B.: *See*—
Brinster, John F., and Garretson. 2,984,715.
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Garrett, Burton R. Combined hopper, feeder and counter. 2,988,247, 6–13–61, Cl. 221—162.
Garrett Corp., The: *See*—
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Arthur, Robert A. 2,992,542.
Becker, Otto A., and Blazs. 2,997,000.
Blazs, George F. 2,969,777.
Boli, Louis G. 3,014,639.
Bolliger, Frederic E. 2,995,049.
Boyle, James F., Summer, Fraebel, and Lehberger. 3,004,737.
Breaux, Darlton K., and Belanus. 2,970,652.
Breaux, Darlton K., Pascale, and Young. 2,967,572.
Castle, Edwin R. 2,991,512.
Culff, Harold E., Boettcher, and Gammill. 2,978,265.
Dallenbach, Frederick. 2,969,908.
Dallenbach, Frederick. 2,975,783.
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Egli, Hans. 2,981,516.
Fischer, Richard A. 2,986,990.
Fukuzawa, Jun, and O'Reilly. 3,001,379.
Greenwald, Harold A. 2,973,135.
Greenwald, Harold A. 2,973,136.
Howes, Leslie D. 2,995,895.
Jensen, Raymond W. 2,969,206.
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Garrett Corp., The: *See*—Continued
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Mauldin, Lloyd F., and Nelson. 2,986,989.
Meermans, Jon W. 3,004,782.
Meyer, John H., Nye, and Robison. 3,014,664.
Paul, Carlton H., and Wood. 3,014,694.
Rowlett, Beb H., and Silver. 2,980,394.
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Speer, Ivan E. 3,002,346.
Westman, Sydney E. 2,976,731.
Woody, Robert F., and Schmid. 3,012,575.

Garrett, Donald E.: *See*—
Lee, Chen Y., and Garrett. 2,989,370.

Garrett, Donald E., to American Potash & Chemical Corp. Recovery of boron values. 2,969,275, 1–24–61, Cl. 23—59.

Garrett, H. U.: *See*—
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Garrett, James C., to The Goodyear Tire & Rubber Co. Hydraulic brake with positive lock. 3,003,587, 10–10–61, Cl. 188—68.

Garrett, Russell U. Apparatus for shaping and bonding laminations. 2,982,332, 5–2–61, Cl. 154—1.

Garrett Tubular Products, Inc.: *See*—
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Garrett, Walter L.: *See*—
Friedrich, Ralph E., Wiley, Midland, and Garrett. 2,982,749.

Garrigus, Robert O., Sr. and W. H. Convertible sofa lounge for use as a seat and a bed. 2,985,892, 5–30–61, Cl. 5—12.

Garrigus, Wanda H.: *See*—
Garrigus, Robert O., Sr. and W. H. 2,985,892.

Garrison, Allen D.: *See*—
Teichmann, Charles F., and Garrison. 2,983,103.

Garrison, Clarence L. Fish hook dislodger. 2,967,373, 1–10–61, Cl. 43—53.5.

Garrison, George L., 50% to L. C. Garrison. Hydro-gear transmission device. 2,974,543, 3–14–61, Cl. 74—677.

Garrison, Glenn D. Trimming and flanging die. 2,967,559, 1–10–61, Cl. 153—2.

Garrison, Howard T. Attachment for a garment hanger. 2,977,030, 3–28–61, Cl. 223—88.

Garrison, James O.: *See*—
Garrison, Ralph P. and J. O., and Walker. 2,987,321.

Garrison, James O., to Garrison Machine Works, Inc. Work holder. 2,974,968, 3–14–61, Cl. 279—106.

Garrison, Loretta C.: *See*—
Garrison, George L. 2,974,543.

Garrison Machine Works, Inc.: *See*—
Garrison, James O. 2,974,968.
Garrison, Ralph P. 2,991,084.
Garrison, Ralph P. and J. O., and Walker. 2,987,321.

Garrison, Ralph P., to Garrison Machine Works, Inc. Work holder. 2,991,084, 7–4–61, Cl. 279—1.

Garrison, Ralph P. and J. O., and D. D. Walker, to Garrison Machine Works, Inc. Multiple chuck. 2,987,321, 6–6–61, Cl. 279—2.

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Garson, Stanley P. Cigarette positioning ash tray. 3,006,349, 10–31–61, Cl. 131—240.

Garstang, William W., to Allen-Bradley Co. Electrical circuit component having resilient wound sleeve. 3,002,136, 9–26–61, Cl. 317—242.

Garstang, William W., to Allen-Bradley Co. Multiple terminal filter connector. 3,002,162, 9–26–61, Cl. 333—1.

Garthe, Philip J.: *See*—
Dietrich, Howard H., Brady, and Garthe. 3,001,519.

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Garthwaite, Albert N., and F. T. Kristiansen, to International Business Machines Corp. Workholder for a lapping machine. 2,971,298, 2–14–61, Cl. 51—131.

Gartland, Elizabeth M.: *See*—
Fisher, Richard S., Gartland, Mail, and Stieber. 2,992,901.

Gartland, Joseph W.: *See*—
Fisher, Richard S., Gartland, Mail, and Stieber. 2,992,901.

Gärtner, Berthold, to Bronzavia S.A. Valve regulating the pressure drop of a liquid flowing through an aperture having a variable cross-sectional area, notably for a turbine machine regulator. 2,989,975, 6–27–61, Cl. 137—117.

Gärtner, Gustav, and G. Mutschler, to Robert Bosch, G.m.b.H. Method of forming a metallized article. 3,015,014, 12–26–61, Cl. 219—19.

Gartner, Joseph M., to Borg-Warner Corp. Sequential controller. 2,994,749, 8–1–61, Cl. 200—33.

Gartner, Stanley J., and L. R. V. Regelman, to Sylvania Electric Products Inc. Article feed mechanism. 2,970,709, 2–7–61, Cl. 214—301.

Gartner, Stanley J. and J. C. Smith, to Sylvania Electric Products Inc. Cathode tabber. 2,993,981, 7–25–61, Cl. 219—79.

Gartner, Stanley J., and C. E. Smith, Jr., to Sylvania Electric Products Inc. Automatic grid machine. 2,995,156, 8–8–61, Cl. 140—71.5.

Gartner, Stanley J., R. J. Leap, and G. F. Sanker, to Sylvania Electric Products Inc. Automatic grid stretcher. 3,010,490, 11–28–61, Cl. 140—71.5.

Gartrell, Robert D., R. A. Gregg, and R. J. Farrell, to United States Rubber Co. Inking roll. 3,002,866, 10–3–61, Cl. 154—43.

Gartsef, Jordan K. Machine tool accessory. 2,967,443, 1–10–61, Cl. 77—64.

Garven, Floyd C.: *See*—
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Garver, Clyde L., G. L. Kring, and B. B. Nye, to Lear, Inc. Potentiometer adjuster. 2,966,807, 1–3–61, Cl. 74—504.

Garver, Frederick W., to Alloy Hardfacing Co. Method of producing metal rollers. 3,007,231, 11–7–61, Cl. 29—148.4.

Garvey, James R.: *See*—
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Garvey, Leo J. Bottle structure. 2,978,131, 4–4–61, Cl. 215—1.

Garvey, Leo J. Gas escape closure cap. 2,990,079, 6–27–61, Cl. 215—56.

Garvey, Louis P., to General Motors Corp. Seat positioning mechanism. 2,982,335, 5–2–61, Cl. 155—14.

Garvey, Louis P., and C. H. Schamel, to General Motors Corp. Vehicle seat positioning apparatus. 2,983,545, 5–9–61, Cl. 296—65.

Garvey, Mark J.: *See*—
Fowler, Roland G., Larsen, Dale, and Garvey. 2,985,364.

Garvey, Richard J.: *See*—
Garvey, Richard J., and Richards. 2,988,281.

Garvey, Richard J., and J. J. Richards, ½ to R. J. Garvey. Apparatus for controlling heating systems. 2,988,281, 6–13–61, Cl. 236—37.

Garvin, Charles W.: *See*—
Keller, Theodore W., Garvin, and McMillan. 2,968,576.

Garvin, John C., to Safety Sake Enterprises, Inc. Display device. 2,969,605, 1–31–61, Cl. 40—10.

Garvin, Walter W., to California Research Corp. Apparatus for gravity gradient surveying. 3,011,346, 12–5–61, Cl. 73—382.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Method for separation of bituminous materials. 2,967,818, 1–10–61, Cl. 208—45.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Process for fractionating asphaltic bituminous materials utilizing aromatic hydrocarbons of less than ten carbon atoms. 2,980,602, 4–18–61, Cl. 208—45.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Separation of asphalt-type bituminous materials with acetone. 3,003,945, 10–10–61, Cl. 208—45.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Separation of asphalt-type bituminous materials utilizing aliphatic alcohols of 3 through 4 carbon atoms. 3,003,946, 10–10–61, Cl. 208—45.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Separation of asphalt-type bituminous materials utilizing aliphatic carboxylic acid esters containing 2 through 3 carbon atoms. 3,003,947, 10–10–61, Cl. 208—45.

Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Method of fractionating asphaltic bituminous material utilizing a solvent-density-increasing substance. 3,005,769, 10–24–61, Cl. 208—45.

Garwin, Richard L., to International Business Machines Corp. Communication systems. 2,981,940, 4–25–61, Cl. 340—310.

Gary, Lonnie: *See*—
Mulholland, James R. 2,978,370.

Gary, Lonnie M., to J. Fromm, trustee. Sewing machine zipper guide. 3,003,444, 10–10–61, Cl. 112—235.

Gary, Wilbur Y.: *See*—
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Gary, Wright W., to Minerals & Chemicals Philipp Corp. Method of treating exhaust vapors containing unburned fuel hydrocarbons. 3,006,718, 10–31–61, Cl. 23—2.

Gary, Wright W., and A. J. Mueller, to Minerals & Chemicals Philipp Corp. Tobacco composition and smokable unit containing material for removing deleterious matter. 2,967,118, 1–3–61, Cl. 131—17.

Gary, Wright W., and J. B. Duke, to Minerals & Chemicals Philipp Corp. Heavy media separation of porous material. 2,991,878, 7–11–61, Cl. 209—4.

Gas Council, The: *See*—
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Gas Processors, Inc.: *See*—
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Gasche, Fred, to Autoclave Engineers, Inc. Autoclave. 2,991,161, 7–4–61, Cl. 23—290.

Gascoignes (Reading) Ltd.: *See*—
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Gaser, Jacob: *See*—
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Gash, Virgil W., to Monsanto Chemical Co. Metal chelates and process of preparing same. 2,976,285, 3–21–61, Cl. 260—242.

Gaskell, Walter L., to King-Seeley Thermos Co. Saw-table guide-fence construction. 3,011,531, 12–5–61, Cl. 143—174.

Gaskill, Harold V., to Collins Radio Co. Method of using The Peltier effect for cooling equipment. 2,984,077, 5–16–61, Cl. 62—3.

Gaskill, Robert K. Foot guard. 2,973,590, 3–7–61, Cl. 36—72.

Gaskins, Lucian W. Spanner-type wrench having reversible handle lever. 2,981,132, 4–25–61, Cl. 80—90.

Gaskins, Thomas. Helicopter. 3,005,603, 10–24–61, Cl. 244—6.

Gasmire, Richard C.: *See*—
Adams, Elmer L., and Gasmire. 2,998,621.

Gasmire, Richard C., to Owens-Illinois Glass Co. Method of making reinforced cast shapes. 2,979,801, 4–18–61, Cl. 25—154.

Gasmire, Richard C., to Owens-Illinois Glass Co. Method of making plastic articles. 3,012,286, 12–12–61, Cl. 18—55.

Gasperetti, Robert L.: *See*—
Klokow, Richard E., and Gasperetti. 3,007,105.

Gass, Robert J. Tiltably steerable two-wheeled scooter. 2,994,545, 8–1–61, Cl. 280—87.04.

Gassaway, James S. Fluid actuated computer. 2,998,185, 8–29–61, Cl. 235—61.

Gassen, Peter, H. Holtschmidt, H. Kunze, and G. Braun, to Farbenfabriken Bayer Aktiengesellschaft. Process for removal of volatile, e.g. malodorous foreign matter from viscous liquids. 3,014,077, 12–19–61, Cl. 260—609.

Gasser, Adolf: *See*—
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Gasser, Charles M., to Knapp-Monarch Co. Safety brake system for trailers. 2,991,129, 7–4–61, Cl. 303—2.

Gasser, Robert A.: *See*—
Garber, John D., Gasser, and Jones. 2,989,546.
Garber, John D., Gasser, and Jones. 2,995,582.

Gassino, Teresio: *See*—
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Capellaro, Natale, and Gassino. 2,992,773.
Capellaro, Natale, and Gassino. 3,005,585.

Gassino, Teresio, and G. Lanza, to Ing. C. Olivetti & C., S.p.A. Punching apparatus for printing mechanisms. 2,986,255, 5–30–61, Cl. 197—16.

Gassino, Teresio, and G. Lanza, to Ing. C. Olivetti & C. S.p.A. Tape punching apparatus for accounting machines and the like. 3,006,537, 10–31–61, Cl. 234—24.

Gassino, Teresio, and G. Lanza, to Ing. C. Olivetti & C. S.p.A. Program control device for accounting machines having a traveling paper carriage. 3,006,540, 10–31–61, Cl. 235—60.46.

Gassmann, Hans: *See*—
Schibler, Lucius, and Gassmann. 3,006,880.

Gassmann, Hans U.: *See*—
Schibler, Luzius, Zbinden, and Gassmann. 2,986,542.

Gassner, Francis X., to Olin Mathieson Chemical Corp. Method of growth improvement in meat producing animals. 3,009,857, 11–21–61, Cl. 167—53.

Gassner, Heinz: *See*—
Neff, Willy, and Gassner. 3,006,110.

Gasson, Edward J., to The Distillers Co. Ltd. Production of terephthalonitrile and isophthalonitrile. 2,987,538, 6–6–61, Cl. 260—465.

Gasson, Edward J., and D. J. Hadley, to The Distillers Co. Ltd. Production of ammonium salts of aromatic acids by hydrolysis of aromatic nitriles. 2,979,526, 4–11–61, Cl. 260—515.

Gassot, René. Liquid brakes. 2,989,151, 6–20–61, Cl. 188—90.

Gaston, Donald H. Cosmetic kit. 2,989,756, 6–27–61, Cl. 4—168.

Gaston, Ernest C. Single-pass counterflow condenser. 2,998,227, 8–29–61, Cl. 257—44.

Gasway Corp.: *See*—
Kinzelman, Joseph. 2,981,453.

Gatcomb, Gerald L., to E. I. du Pont de Nemours and Co. Coated nylon fabric. 2,988,457, 6–13–61, Cl. 117—68.

Gatcombe, Ernest K. Apparatus and methods for calibrating motion transducers. 2,971,364, 2–14–61, Cl. 73—1.

Gates, Carter C., to E. I. du Pont de Nemours and Co. Process for the preparation of 1,5-dibenzoylnaphthalene. 3,013,078, 12–12–61, Cl. 260—591.

Gates, Charles E.: *See*—
Valentine, Harry M., and Gates. 3,006,694.

Gates, Charles E., to Bendix-Westinghouse Automotive Air Brake Co. Fluid pressure valve. 2,985,490, 5–23–61, Cl. 303—40.

Gates, Earl. Compensating telescopic boom. 2,999,600, 9–12–61, Cl. 212—55.

Gates, John W., Jr., P. E. Miller, R. R. Phillips, and G. F. Nadeau, to Eastman Kodak Co. Acid cooked pigskin gelatins for photographic subbing. 2,992,213, 7–11–61, Cl. 260—117.

Gates, John W., Jr., P. E. Miller, and J. E. Koller, to Eastman Kodak Co. Photographic emulsions. 3,011,890, 12–5–61, Cl. 96—94.

Gates, Lee O., Sr. Supporting link and tooth assembly for chain saw chains. 2,984,269, 5–16–61, Cl. 143—135.

Gates, Lee O., Sr. Wire-forming machine. 2,996,087, 8–15–61, Cl. 140—104.

Gates, Major E. Monitoring system for presses and the like. 2,991,531, 7–11–61, Cl. 25—45.

Gates Radio Co.: *See*—
Kabrick, Wallace J., and Birch. 2,995,630.

Gates, Richard L.: *See*—
Heiss, John P., and Gates. 3,011,595.

Gates, Robert G. Turn table for log truck bunks. 3,011,798, 12–5–61, Cl. 289—404.

Gates Rubber Co., The: *See*—
Aymami, Arthur L., Lillich, Gibbons, and Moore. 2,984,262.
Cone, Irwin C. 2,968,440.
Hurry, James A. 2,984,120.
Jenkins, George H., III, and Zahn. 2,984,119.

Gates, Ruth E., to Tie-Chair, Inc. Foldable chair attachment for infants. 2,979,121, 4–11–61, Cl. 155—189.

Gates, Stephen, to Union Carbide Corp. Influence of oxygen on the polymerization of olefins. 2,994,691, 8–1–61, Cl. 260—94.9.

Gates, Thomas S., to National Broach & Machine Co. Automatic gear gauging apparatus. 2,983,375, 5–9–61, Cl. 209—88.

Gates, Thomas S., and A. H. Ketzler, to National Broach & Machine Co. Method and apparatus for loading internal gears. 3,011,410, 12–5–61, Cl. 90—1.

Gates, William H., R. L. Harris, and J. S. MacKenzie, to Allied Chemical Corp. Preparation of sodium percarbonate. 2,986,448, 5–30–61, Cl. 23—62.

Gateway Erectors, Inc.: *See*—
Henrickson, Henry G. 3,011,539.
Relland, Frank D. 3,005,292.

Gatfield, Allen G., and R. E. Thoman, to International Telephone and Telegraph Corp. System for synchronizing a pulse with a carrier wave. 2,987,574, 6–6–61, Cl. 178—69.5.

Gathman, David W., and H. O. Cox, to Bethlehem Steel Co. Braided slings with braided loops. 3,013,463, 12–19–61, Cl. 87—8.

Gathmann, Mark H., and J. F. O'Brien, to United States Steel Corp. Charging box. 3,007,587, 11–7–61, Cl. 214—26.

Gator Lock, Inc.: *See*—
Black, William H. 2,996,721.

Gattani, Mohan L. Streptomyces griseus strain 528 NRRL 2607 antibiotic and fermentation process. 2,990,330, 6–27–61, Cl. 167—65.

Gatti, Arno: *See*—
Wood, Donald L., and Gatti. 2,970,052.

Gatti, Arno, to General Electric Co. Methods for passivating metal powders. 2,993,467, 7–25–61, Cl. 117—100.

Gattiker, Albert F., Jr., and L. W. Ramstrom, to Ingersoll-Rand Co. Impact tool. 2,990,812, 7–4–61, Cl. 121—33.

Gattone, Daniel H.: *See*—
Birch, Herbert M., and Gattone. 2,998,822.

Gattys, Gerhard: *See*—
Hartmann, Adolf, Harpe, and Gattys. 2,989,363.

Gatward, Harry F. Carrier bags and boxes. 2,992,768, 7–18–61, Cl. 229—54.

Gatzert, Ernest H., to General Dynamics Corp. Telephone answering service system. 2,985,721, 5–23–61, Cl. 179—27.

Gatzert, Ernest H., to General Dynamics Corp. Final selector for a telephone system. 2,988,602, 6–13–61, Cl. 179—18.

Gatzert, Ernest H., to General Dynamics Corp. Discriminating trunk circuit. 2,996,582, 8–15–61, Cl. 179—18.

Gaubatz, Arthur W., to General Motors Corp. Shaft seal. 2,983,530, 5–9–61, Cl. 286—11.15.

Gaubert, Rene J. Heat applying apparatus. 2,984,288, 5–16–61, Cl. 154—42.

Gaubert, Rene J. Carton sealing machine. 2,993,319, 7–25–61, Cl. 53—374.

Gaubert, Rene J. Magnetic tape apparatus. 3,001,025, 9–19–61, Cl. 179—100.2.

Gaubis, Leonard L.: *See*—
Allen, Arthur N., Jr., and Gaubis. 2,980,188.

Gauchard, Fernand. Method for producing true aerosols carrying mist of particles of microscopic structure. 3,010,910, 11–28–61, Cl. 252—305.

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Gaudet, Lawrence J., to American Machine & Foundry Co. Circuit breaker for electric cigar lighter. 3,012,120, 12–5–61, Cl. 200—116.

Gaudilliere, Pierre C. Radio position finder. 3,015,097, 12–26–61, Cl. 343—103.

Gaudry, Edouard, to Aktiebolaget Electrolux. Wheel assembly. 2,978,277, 4–4–61, Cl. 301—111.

Gaudry, Edouard, to Aktiebolaget Electrolux. Vacuum cleaner. 2,997,728, 8–29–61, Cl. 15—323.

Gaudry, Paul E., to Aktiebolaget Electrolux. Suction cleaner. 2,998,864, 9–5–61, Cl. 183—43.

Gaudry, Roger: *See*—
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Winthrop, Stanley O., and Gaudry. 3,006,916.

Gaughran, Eugene R. L.: *See*—
Douglas, Jocelyn F., and Gaughran. 2,995,493.

Gaugler, Edward A., and J. W. Burrows. High Q balanced search coil. 2,997,647, 8–22–61, Cl. 324—43.

Gaugler, Richard S.: *See*—
Brubaker, James F., and Gaugler. 2,994,205.

Gaugler, Richard S., to General Motors Corp. Domestic appliance. 2,969,515, 1–24–61, Cl. 338—25.

Gaugler, Richard S., to General Motors Corp. Method of filling a hollow ballast ring with demagnetized material. 2,971,546, 2–14–61, Cl. 141—11.

Gaugler, Richard S., E. S. Schlotterbeck, and R. F. Schultz, to General Motors Corp. Refrigerating apparatus. 2,981,076, 4–25–61, Cl. 62—208.

Gauguin, Roland, and J. Claus, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Purifying lithium salts. 3,000,699, 9–19–61, Cl. 23—32.

Gaul, Max, to H. Sickinger. Method of manufacturing multi-layered tube. 2,996,799, 8–22–61, Cl. 29—476.5.
Gaul, Richard J., and W. J. Fremuth to American Cyanamid Co. Novel heterocyclic sulfones and process for making the same. 3,006,919, 10–31–61, Cl. 260—306.7.
Gauld, George M., to Alloy Metal Wool Products Corp. Dispensing package for compressible pads. 3,002,651, 10–3–61, Cl. 221—34.
Gauldie, Kenneth. Thrust transmitting means for hydraulic jaw crushers. 2,986,345, 5–30–61, Cl. 241—148.
Gauldie, Kenneth. Idle stroke receiver for hydraulic devices. 2,995,013, 8–8–61, Cl. 60—54.5.
Gaulke, Arthur W.: *See*—
Van Antwerpen, Lloyd D., Gaulke, and Hutchinson. 2,984,343.
Gaulke, Arthur W., to Vanant Co., Inc. Packaging strip having accordion pleated cushions. 2,984,399, 5–16–61, Cl. 229—14.
Gaulke, Arthur W., and C. R. Hutchinson, to Vanant Co., Inc. Contour carton for wraparound windshields. 2,981,407, 4–25–61, Cl. 206—62.
Gault, Kenneth W., to The William L. Bonnell Co., Inc. Anodizing racks. 2,999,802, 9–12–61, Cl. 204—297.
Gaumer, Loren T., to Jervis B. Webb Co. Overload releasing pusher device for floor conveyors. 3,006,289, 10–31–61, Cl. 104—172.
Gaumond, Eugene E. Display devices. 3,008,247, 11–14–61, Cl. 35—50.
Gaunlett, J. M. Co., Inc.: *See*—
Miscovich, John A. 2,976,742.
Miscovich, John A. 2,976,886.
Miscovich, John A. 2,998,199.
Gaunt, Ian A. B., and K. J. Mitchell, to The General Electric Co. Ltd. Nuclear reactors. 2,998,370, 8–29–61. Cl. 104—193.2.
Gaunt, Wilmer B., Jr., to Bell Telephone Laboratories, Inc. Constant current pulse generator. 3,010,027, 11–21–61. Cl. 307—39.
Gause, Emily M.: *See*—
Cunningham, George L., Bryant, and Gause. 2,968,523.
Cunningham, George L., Bryant, and Gause. 2,968,532.
Gausewitz, Richard L.: *See*—
Hauk, Ernest D. 3,006,379.
Johnson, Philip A. 3,003,705.
Gausman, Alfred P., to Hayssen Mfg. Co. Labeling attachments for automatic packaging machines. 3,000,155, 9–19–61. Cl. 53—137.
Gauss, Walter, and G. Domagk, to Schenley Industries, Inc. 2,3,6-tris-aziridino-1,4 benzoquinone. 2,976,279, 3–21–61, Cl. 260—239.
Gaussens, Pierre P. D., and R. G. Nonnenmacher. Measuring systems. 2,988,698. 6–13–61. Cl. 324—98.
Gaut, Geoffrey C., to The Plessey Co. Ltd. Electrical capacitors. 2,991,540. 7–11–61, Cl. 29—25.31.
Gauthier, Alfred, G.m.b.H.: *See*—
Bernrader, Josef. 3,004,481.
Brodbeck, Willy. 2,966,831.
Brodbeck, Willy. 2,968,224.
Brodbeck, Willy. 2,969,716.
Brodbeck, Willy. 3,012,454.
Rentschler, Karl F. 2,973,701.
Rentschler, Karl F. 3,007,387.
Rentschler, Waldemar T. 2,975,692.
Rentschler, Waldemar T. 2,976,788.
Rentschler, Waldemar T. 2,979,998.
Rentschler, Waldemar T. 2,979,999.
Rentschler, Waldemar T. 2,980,005.
Rentschler, Waldemar T. 2,982,149.
Rentschler, Waldemar T. 2,988,977.
Rentschler, Waldemar T. 2,989,905.
Rentschler, Waldemar T. 2,989,906.
Rentschler, Waldemar T. 2,992,600.
Rentschler, Waldemar T. 2,993,422.
Rentschler, Waldemar T. 2,993,425.
Rentschler, Waldemar T. 2,997,933.
Rentschler, Waldemar T. 3,000,281.
Rentschler, Waldemar T., and Starp. 2,984,168.
Starp, Franz W. R. 2,985,082.
Starp, Franz W. R. 2,997,936.
Gauthier, Armand J., to Ludlow Corp. Gummed product printed with conditioner. 2,992,129, 7–11–61, Cl. 117—45.
Gauthier, Robert, to Societe Industrielle Generale de Mecanique Appliquee S.I.G.M.A. Centrifugal governors. 2,968,951, 1–24–61, Cl. 73—511.
Gautier, James D., Jr. Vehicle door bumper. 3,004,281, 10–17–61, Cl. 16—86.
Gavazzi, Manlio. Material feed apparatus for automatic multiple press. 3,003,447, 10–10–61, Cl. 113—42.
Gaver, Kenneth M.: *See*—
Witwicka, Irena E., Pavuk, and Gaver. 2,999,753.
Gaver, Kenneth M., and E. G. Adamek, to Ogilvie Flour Mills Co., Ltd. Separation of monoaminomonocarboxylic acids from dicarboxylic amino acids. 3,014,921, 12–26–61, Cl. 260—326.3.
Gavin, John J., to Fund For Research Therapeutics. Culture apparatus. 3,013,950, 12–19–61, Cl. 195—142.
Gavlin, Gilbert: *See*—
Boyer, William M., Gavlin, and Tarbell. 3,007,828.
Gavrisheff, Boris J. Dip angle measuring device. 2,981,143, 4–25–61, Cl. 88—2.4.
Gawlik, Paul A. Tool for detecting pipe leaks. 2,998,721, 9–5–61, Cl. 73—49.1.
Gawne, Robert J., to United States Steel Corp. Apparatus for wiping a moving strip. 3,002,210, 10–3–61, Cl. 15—102.
Gay-Bell Corp.: *See*—
Gay, Jacob D., Jr., and Joswig. 3,000,531.
Gay, Benjamin A.: *See*—
Kincaid, George F., Douglas, and Gay. 2,999,912.
Gay, Clarence R., and T. M. Kersker, to The Firestone Tire & Rubber Co. Pneumatic tire construction. 2,991,817. 7–11–61, Cl. 152—356.
Gay, Clarence R., and T. M. Kersker, to The Firestone Tire and Rubber Co. Pneumatic tire. 2,991,818, 7–11–61, Cl. 152—356.
Gay, Jacob D., Jr., and F. W. Joswig, to Gay-Bell Corp. Metal hogshead. 3,000,531, 9–19–61, Cl. 220—5.
Gay, Raymond, and E. Siganos, to Esso Research and Engineering Co. Fuel oil composition. 2,996,364, 8–15–61, Cl. 44—62.
Gay, Richard J., and C. M. Tidwell, to Petro-Tex Chemical Corp. Iso-olefin purification. 2,981,767, 4–25–61, Cl. 260—677.
Gay, Shelton M., Jr., to Pneumo-Dynamics Corp. Emergency power system for submarines. 3,003,448, 10–10–61, Cl. 114—16.
Gayer, John D.: *See*—
Spitler, Clem H., and Gayer. 2,979,996.
Gayler, George A., to Wipac Development Ltd. Ignition systems for internal combustion engines. 2,985,796, 5–23–61, Cl. 315—206.
Gayler, George A., to Wipac Development Ltd. Contact breakers for engine ignition systems. 3,014,101, 12–19–61, Cl. 200—30.
Gaylord, Arthur B., to The Kaman Aircraft Corp. Connector for plates. 2,990,598, 7–4–61, Cl. 24—221.
Gaylord, John A.: *See*—
Smith, Joe B., and Gaylord. 2,992,798.
Gaylord, John A. Canopy release mechanism. 2,988,797, 6–20–61, Cl. 24—230.
Gaylord, John A., to H. Koch & Sons. Strap fastener connection. 2,992,467, 7–18–61, Cl. 24—230.
Gaylord, John A., to H. Koch & Sons. Release handle and mechanism for survival kits for aircraft personnel. 2,992,567, 7–18–61, Cl. 74—479.
Gaylord, John A., to H. Koch & Sons. Safety devices for releasable suspension lock for aerial survival kits. 2,992,849, 7–18–61, Cl. 294—83.
Gaylord, John A. Hole centering tool. 2,994,131, 8–1–61, Cl. 33—185.
Gaylord, John A., to H. Koch & Sons. Releasing and actuator devices for survival kits. 2,994,231, 8–1–61, Cl. 74—471.
Gaylord, John A., to H. Koch & Sons. Releasable suspension lock for aerial survival kits and the like. 2,994,552, 8–1–61, Cl. 294—83.
Gaylord, John A. River bottom sand accumulation remover. 3,013,395, 12–19–61, Cl. 61—2.
Gaylord, Norman G., and R. T. Dean, to Interchemical Corp. Interpolymers containing the norbornene nucleus and coating compositions containing same. 2,985,611, 5–23–61, Cl. 260—30.8.
Gaylord, William M., Jr.: *See*—
Raub, Samuel H. S., and Gaylord. Re. 25,061.
Gaynes, Norman I. Catalyzed urea coating composition. 2,982,745, 5–2–61, Cl. 260—21.
Gaynes, Norman I. Chrome plating and anodizing stopoff composition. 2,999,771, 9–12–61, Cl. 117—132.
Gaynor, Frank A.: *See*—
Wanamaker, Robert L., and Gaynor. 2,987,273.
Gayring, Wallace F.: *See*—
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Gaysowski, Joseph J., to General Electric Co. Thermo-electric refrigerators. 2,986,009, 5–30–61, Cl. 62—3.
Gaysowski, Joseph J., to General Electric Co. Water demineralizing methods and systems. 3,006,828, 10–31–61, Cl. 204—151.
Gazdik, Eva. Multi color lipstick and lip rouge applicator. 3,001,531, 9–26–61, Cl. 132—79.
Gazet, Marius B., to Etablissements G. Decombe. Arrangement for removing coils of wires, cables and threads off their forming spool. 2,985,401, 5–23–61, Cl. 242—81.
Gazet, Marius R., to Etablissements G. Decombe. Method and means for continuously unwinding electric and the like wires wound over spools. 3,005,601, 10–24–61, Cl. 242—128.
Gazin, Felix H. Semi-permanent housing foundation. 3,007,212, 11–7–61, Cl. 20—2.
Gazzara, Matthew R. Arrow holder. 2,986,187, 5–30–61, Cl. 150—1.5.
Gazzola, David F.: *See*—
Wear, Charles W., and Gazzola. 2,972,205.
Gbur, John, to The M.T. & D. Co. Wheels heights adjustment for lawn-mowers. 2,976,050, 3–21–61, Cl. 280—43.17.
Gearhart, William M.: *See*—
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Geary, Frederick L., to United Aircraft Corp. Variable area converging-diverging nozzle. 2,972,226, 2–21–61, Cl. 60—35.6.
Geary, Milford. Hydrostatic power process and apparatus. 3,006,147, 10–31–61. Cl. 60—49.
Geary, Robert J., to Plant Products Corp. Insecticidal plant mulch. 2,974,030, 3–7–61, Cl. 71—3.
Geary, Robert J., to Plant Products Corp. Para-chloro-azoxybenzene pesticide. 2,987,436, 6–6–61, Cl. 167—30.
Gebbie, James P., to Koppers Co., Inc. Method and apparatus for producing corrugated paperboard. 2,987,105, 6–6–61, Cl. 154—32.

Gebel, Kurt M., to Landis Tool Co. Pressure operated feed control for grinding machines. 2,984,952, 5–23–61, Cl. 51—165.
Gebel, Radames K. H., to United States of America, Air Force. Moving target indicator with background compensation for visual light and the near infrared. 2,969,477, 1–24–61, Cl. 315—11.
Gebel, Radames K. H., to United States of America, Air Force. Solid state light amplifier for color. 3,005,108, 10–17–61, Cl. 250—213.
Gebele, Kurt, to Compur-Werk Friedrich Deckel OHG. Preselection diaphragm structure for photographic cameras. 2,967,472, 1–10–61, Cl. 95—64.
Gebele, Kurt, to Compur-Werk Friedrich Deckel OHG. Photographic camera setting means. 2,968,229, 1–17–61, Cl. 95—64.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera. 2,969,004, 1–24–61, Cl. 95—10.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera. 2,973,700, 3–7–61, Cl. 95—44.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera. 2,975,686, 3–21–61, Cl. 95—10.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Fully automatic photographic camera. 2,983,207, 5–9–61, Cl. 95—10.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Interchangeable objective for photographic cameras. 2,985,084, 5–23–61, Cl. 95—44.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Interchangeable objective for photographic cameras. 2,985,085, 5–23–61, Cl. 95—64.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera with interchangeable optical unit. 2,986,978, 6–6–61, Cl. 95—11.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic shutter and lens assembly. 2,987,978, 6–13–61, Cl. 95—53.
Gebele, Kurt, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera. 3,013,478, 12–19–61, Cl. 95—10.
Gebele, Kurt, and F. Singer, to Compur-Werk Friedrich Deckel O.H.G. Photographic camera adjusting means. 2,990,761, 7–4–61, Cl. 95—64.
Gebert, Russell C., A. Klein, and H. J. Smiley, to James Lees and Sons Co. Pattern shearing apparatus for pile fabric. 2,977,660, 4–4–61, Cl. 26—16.
Gebert, William H.: *See*—
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Gebhard, Paul C. Corner fastening for doors, windows and the like. 2,994,414, 8–1–61, Cl. 189—36.
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Gebhart, Dave F. Tractor mounted vegetation disintegrator. 2,974,472, 3–14–61, Cl. 56—504.
Gebhart, Julius C.: *See*—
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Gebr. Battenfeld: *See*—
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Gebr. Bohler & Co. Aktiengesellschaft: *See*—
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Gebr. Einfalt, Blechspielwarenfabrik G.m.b.H.: *See*—
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Gebr. Stäubli & Co.: *See*—
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Gebr. Stork & Co's Apparatenfabriek N.V.: *See*—
Laupman, Robert R. 2,966,844.
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Gebrüder Sucker G.m.b.H.: *See*—
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Gebrüder Welger, Maschinenfabrik: *See*—
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Geckle, Raymond J.: *See*—
Precht, Walter, Geckle, and Bedell. 3,004,907.
Geckle, William A., Jr., to United States of America, Navy. Stable-fast recovery transistorized multivibrator circuit. 2,976,432, 3–21–61, Cl. 307—88.5.
Geckler, Carolyn S. Feeding spoon. 3,014,277, 12–26–61, Cl. 30—324.
Geckler, Richard D., and F. R. Hepner, to Aerojet-General Corp. Method and means for initiating the decomposition of propellant in a rocket motor. 2,977,755, 4–4–61, Cl. 60—35.6.
Geddes, Ben W., to Esso Research and Engineering Co. Rocket fuel additive. 2,993,770, 7–25–61, Cl. 52—.5.
Geddes, Bruce E.: *See*—
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Gedris, Stanley J. and W. A., to Ideal Seating Co. Folding chair with folding seat. 2,975,825, 3–21–61, Cl. 155—142.
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Gedris, Stanley J. and W. A. 2,975,825.
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Beadle, Stanley, and Gee. 2,968,971.
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Gee, Minor. Worktool mounting and motivating apparatus. 2,998,505, 8–29–61, Cl. 219—76.
Gee, Paul Y. C.: *See*—
Andress, Harry J., Jr., and Gee. 2,982,629.
Andress, Harry J., Jr., and Gee. 3,003,858.
Andress, Harry J., Jr., and Gee. 3,003,960.
Andress, Harry J., Jr., and Gee. 3,003,961.
Gee, Paul Y. C., to Socony Mobil Oil Co., Inc. Stabilized distillate fuel oil. 2,992,905, 7–18–61, Cl. 44—72.
Gee, Vance W. Paper folder and creaser. 3,001,785, 9–26–61, Cl. 270—86.
Geen, Arthur J., to Drain Enterprises, Inc. Humidifier. 2,967,050, 1–3–61, Cl. 261—92.
Geen, Cory P. Twisting and winding apparatus. 2,995,003, 8–8–61, Cl. 57—71.
Geenen, Johannes, to Muller A. G. Brugg. Wood veneer cutter having a plurality of knives operable separately or together. 2,970,505, 2–7–61, Cl. 83—549.
Geer, Charles W., to Hoffman Electronics Corp. Self-orienting heliotropic device for solar energy converter panels. 2,999,943, 9–12–61, Cl. 250—215.
Geer, Charles W., and W. W. Jacquish, to Hoffman Electronics Corp. Positive heliotropic device. 2,993,125, 7–18–61, Cl. 250—215.
Geerdes, James D., to E. I. du Pont de Nemours and Co. Adhesive comprising aqueous dispersion of water soluble polymer and phenol-isocyanate adduct, cellulosic structure coated with same and process of preparing same. 2,994,672, 8–1–61, Cl. 260—17.
Geerds, Henry A., to Holland Hitch Co. Fifth wheel. 2,982,566, 5–2–61, Cl. 280—435.
Geerds, Henry A., to Holland Hitch Co. Fifth wheel assembly. 2,985,463, 5–23–61, Cl. 280—407.
Geerds, Henry A., to Holland Hitch Co. Fifth wheel construction. 3,013,815, 12–19–61, Cl. 280—435.
Geeren, Hermann, F. Ebel, and W. Braun, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Imidazole dyestuffs of the anthraquinone series. 2,989,535, 6–20–61, Cl. 260—309.2.
Geering, Emil J., and S. J. Nelson, to The Hooker Chemical Corp. Process for the preparation of organic cyclic sulfites. 2,983,732, 5–9–61, Cl. 260—327.
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Geertsen, Svend H., to Zeuthen & Aagaard A/S. Liquid duplicating machine comprising rollers, the pressure of which is adjustable. 2,997,950, 8–29–61, Cl. 101—148.
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Geeson, Robert E., and A. L. Stuchbery, to The Metal Box Co. Ltd. Seaming mechanisms for securing ends on can bodies. 2,993,457, 7–25–61, Cl. 113—24.
Geffcken, Walter, to Jenaer Glaswerk Schott & Gen. Optical glass. 2,971,854, 2–14–61, Cl. 106—54.
Geffcken, Walter, to Jenaer Glaswerk Schott & Gen. Optical glass. 3,006,776, 10–31–61, Cl. 106—54.
Geffcken, Walter, and M. Faulstich, to Jenaer Glaswerk Schott & Gen. Optical glass. 3,009,819, 11–21–61, Cl. 106—47.
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Gegauf, Fritz, to Fritz Gegauf, Aktiengesellschaft Bernina-Nahmascheninenfabrik. Zigzag sewing machine having operating means for adjusting the stitch width and the position of the stitching field. 3,012,528, 12–12–61, Cl. 112—158.
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Gegenheimer, Harold W., to William Gegenheimer Co., Inc. Machine for cleaning of printing rollers. 2,970,541, 2–7–61, Cl. 101—425.
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Gegenschatz, Walter, and M. Buchmann, to Zellweger A.G., Aparate- und Maschinenfabriken Uster. Apparatus for tying elastic threads. 2,977,144, 3–28–61, Cl. 289—12.
Gehlen, Dipl. Ing. Hermann W.: *See*—
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Gehlen, Hermann W.: *See*—
Gillois, Jean, and Gehlen. 2,981,221
Gillois, Jean, and Gehlen. 3,010,128.
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Gehrie, Charles S., to Presto Lock Co. Luggage case. 2,985,265, 5–23–61, Cl. 190—41.
Gehrig, Joseph. Automatic washing machines. 3,005,328, 10–24–61, Cl. 68—12.
Gehrke, Gunter, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of dyestuffs for synthetic fibers. 2,990,413, 6–27–61, Cl. 260—380.
Gehrke, Ronald L. Automatic merchandise-delivery apparatus. 2,997,133, 8–22–61, Cl. 186—16.

Gehrkens, George R., and F. G. Compton, to North American Aviation, Inc. Weapon delivery method and means. 2,977,853, 4–4–61, Cl. 89—1.5.

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Gehshan, Nicholas T., and E. H. Specht, to Rohm & Haas Co. Preparation of aminoalkyl α-substituted acrylates. 2,990,403, 6–27–61, Cl. 260—247.2.

Geib, Clarence C., and G. O. Isaacson, to Fansteel Metallurgical Corp. Selenium rectifier. 2,981,872, 4–25–61, Cl. 317—234.

Geibel, Emmett H., to Borg-Warner Corp. Laundry machine. 3,012,830, 12–12–61, Cl. 308—203.

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Nees, Hugo, and Geiersberger. 2,968,546.

Geiger, Edward C. Automatic misting system. 2,969,185, 1–24–61, Cl. 239—63.

Geiger, Edward C. Misting control. 2,969,186, 1–24–61, Cl. 239—65.

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Geiger, Georg, to Sandoz Ltd. Process for converting crude copper phthalocyanine into finely divided β-form. 2,999,862, 9–12–61, Cl. 260—314.

Geiger, Georg, to Sandoz Ltd. Production of highly chlorinated phthalocyanines easily dispersible in spinning melts. 3,006,922, 10–31–61, Cl. 260—314.5.

Geiger, Georg, and K. U. Steiner, to Sandoz A.G. Process for dyeing and coloring in the mass with perylene derivatives. 2,998,402, 8–29–61, Cl. 260—37.

Geiger, Joseph R., to Columbia Broadcasting System, Inc. Electronic matting apparatus. 2,974,190, 3–7–61, Cl. 178—7.1.

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Geiger, Kenneth H., and J. Compton, to John Labott, Ltd. Continuous fermentation process. 2,967,107, 1–3–61, Cl. 99—43.

Geiger, Richard E., to General Electric Co. Stabilizing device. 3,006,582, 10–31–61, Cl. 244—82.

Geiger, Richard H., to Roger White Electron Devices, Inc. Electronic phase shifter for VHF-UHF frequencies. 3,007,077, 10–31–61, Cl. 315—3.5.

Geiger, Richard H., and R. W. Wilmarth, to International Telephone and Telegraph Corp. Traveling wave electron discharge device. 2,994,008, 7–25–61, Cl. 315—3.5.

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Beffa, Fabio and Schetty. 3,007,912.
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Heller, Hansjorg, Keller, Gysling, and Mindermann. 3,004,896.
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Schetty, Guido, Beffa, and Kuster. 2,991,280.
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Schmid, Otto, and Hürbin. 3,001,983.
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Geiser, David T., to Sprague Electric Co. Toroidal inductor combinations. 2,975,384, 3–14–61, Cl. 336—77.

Geiser, David T., to Sprague Electric Co. Terminal adapters. 3,014,977, 12–26–61, Cl. 174—52.

Geiser, Edward M., to Universal Oil Products Co. Preparation of resinous materials from unsaturated ethers and heterocyclic compounds. 2,998,415, 8–29–61, Cl. 260—91.1.

Geiser, Edward M., to Universal Oil Products Co. Preparation of copolymers. 3,006,905, 10–31–61, Cl. 260—94.2.

Geiser, Edward M., to Universal Oil Products Co. Preparation of polymers of isobutylene and an alkylene diamine. 3,006,906, 10–31–61, Cl. 260—94.8.

Geiser, Nikolaus, and H. Kolling, to Ruhrchemie Aktiengesellschaft. Process for the polymerization of ethylene. 2,970,992, 2–7–61, Cl. 260—94.9.

Geiser, Nikolaus, and H. Kolling, to Ruhrchemie Aktiengesellschaft. Process for the continuous polymerization of ethylene. 2,993,881, 7–25–61, Cl. 260—94.9.

Geisler, William, to Wilbro Corp. Pallet loading machines. 3,007,585, 11–7–61, Cl. 214—6.

Geissler, Joachim, to De Limon Fluhme & Co. Lubricating device. 2,998,865, 9–5–61, Cl. 184—15.

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Geissmann, Gladys W. Foundation garment. 3,005,459, 10–24–61, Cl. 128—528.

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Geld, Isidore, W. L. Miller, and S. Tudor. Chemical removal of rust. 2,992,945, 7–18–61, Cl. 134—22.

Geldermans, Pieter, P. van den Ban, and G. L. Holthaus, to North American Philips Co., Inc. Copper containing ferrite cores. 2,988,508, 6–13–61, Cl. 252—62.5.

Geldern, Fred H., B. J. Auerbach, and H. J. Rogers, to Nopco Chemical Co. Apparatus for producing foamed plastic materials and novel control. 2,990,252, 6–27–61, Cl. 23—252.

Geldhof, Peter E., to Whirlpool Corp. Self-cleaning filter structure. 2,972,876, 2–28–61, Cl. 68—18.

Geldhof, Peter E., and H. E. Morrison, to Whirlpool Corp. Automatic gas ignition and control particularly adapted for use with clothes driers. 2,983,314, 5–9–61, Cl. 158—125.

Gelenius, Robert B., and R. E. Resseguie, to General Motors Corp. Transmission control system. 2,995,949, 8–15–61, Cl. 74—472.

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Geller, Richard, and G. Mongodin, to Commissariat a l'Energie Atomique. Diffusion pumps. 2,975,957, 3–21–61, Cl. 230—95.

Geller, Roscoe G., to Stakmore Co., Inc. Table with high and low folding legs. 2,977,169, 3–28–61, Cl. 311—39.

Geller, Seymour, to Bell Telephone Laboratories, Inc. Ferrimagnetic garnet. 3,006,854, 10–31–61, Cl. 252—62.5.

Geller, Seymour, to Bell Telephone Laboratories, Inc. Ferrimagnetic garnets. 3,006,855, 10–31–61, Cl. 252—62.5.

Geller, Thomas L., W. G. Laabs, and R. N. Kircher, to West Bend Aluminum Co. Electrically heated apparatus. 2,969,452, 1–24–61, Cl. 219—44.

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Gelman, Harry A., to Comfort Liner, Inc. Baby walker. 3,009,733, 11–21–61, Cl. 297—5.

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Geloso, Giovanni. Container for recorder bobbins and the like. 3,009,564, 11–21–61, Cl. 206—1.

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Gendvil, Leonard W., and O. W. Moles, to National Lead Co. Electrolytic method and means for production of refractory metal. 2,999,055, 9–5–61, Cl. 204—64.
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Crehan, William J., Klouse, and Talme. 2,997,783.
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Mackey, E. S. 2,982,651.
Marschall, Franz, and Mayhew. 2,974,147.
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Mayhew, Raymond L., and Ottley. 3,000,835.
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Miller, John P., III. 2,980,624.
Moore, Ralph G. D., and Woitach. 2,971,842.
Morgan, Jack F., and Vollmer. 2,970,993.
Normington, James B. 2,993,916.
Nunn, Leslie G., Jr. 3,004,057.
Nunn, Leslie G., Jr., and Hesse. 3,004,056.
Perry, William M. 2,980,654.
Perry, William M. 2,999,853.
Plue, Arnold F. 2,974,141.
Plue, Arnold F. 2,976,295.
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Randall, David I., and Schmidt-Nickels. 2,967,870.
Randall, David I., and Schmidt-Nickels. 2,976,287.
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Sottysiak, Joseph, and Harriman. 2,970,907.
Steckler, Robert, and Prescott. 2,974,114.
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Kirby, Edward F. 2,987,019.
Moore, Maxwell M., and Douglas. 2,998,586.
Nason, Willis R. 2,969,917.
Ray, William A. 2,972,465.
Ray, William A. 2,987,566.
Ray, William A. 2,989,082.
Ray, William A. 2,990,839.
Ray, William A. 2,991,631.
Ray, William A. 2,998,552.
Ray, William A., and Grayson. 2,991,792.
Shequen, Winston G. 2,969,916.
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Bass, Harold E., and White. 2,989,990.
Bloomberg, Jerome. 3,014,113.
Boscia, Archie F. 3,001,133.
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Busby, Lawrence A. 3,011,052.
Cable, Lelan B., Jr., and Dennison. 2,985,467.
Campa, Ferdinand J. 3,003,040.
Childs, William S. 3,007,416.
Christiano, Edward J. 2,976,469.
Clarridge, Chester H. 2,995,706.
Clement, Milton A. 2,976,364.
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Cole, Donald W. 2,983,242.
Cook, William F., Roberts, and Roethel. 2,997,880.
Corbett, Philip W. 3,006,499.
Corpew, Charles R. 2,988,660.
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Creutz, Edward C. 2,976,598.
Dannback, Toivo M. 2,997,238.
David, Freddy. 2,996,701.
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Davis, Robert A., Little, and Allen. 3,008,029.
Dobner, Allen L., Jr., and Dyer. 2,977,046.
Duban, Anthony J. 3,006,025.
Durkee, John E. 2,982,854.
Edgarton, Frank R. 2,972,088.
Ertman, Robert J., Sperling, and Walker. 2,997,540.
Fisher, Charles R., Jr., and Morris. 2,976,347.
Fite, Wade L., and Brackmann. 2,978,603.
Fotland, Richard A., and Mayer. 2,975,052.
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Gantschnigg, Gottfried K., and Ziegler. 3,009,730.
Gardner, Jack R. 2,988,699.
Gatzert, Ernest H. 2,985,721.
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Gratian, Joseph W. 3,011,160.
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Greene, Norman D., and Poppendiek. 2,992,977.
Guenther, John H. 3,007,060.
Guthrie, John M., Bonk, Allardt, Ashley, Burkheimer, and Smith. 3,010,677.
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Haflinger, Dan J., Corpew, and Gutzmer. 2,986,668.
Harbison, Wallace F., and Miller. 2,991,816.
Harris, Ben A. 3,001,020.
Harvey, George W., and Brower. 2,976,907.
Henry, Earle G. 2,967,342.
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Jaensch, Klaus H. 2,998,567.
Jorgensen, Adam A. 2,979,708.
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Kaarlela, William T. 3,009,785.
Kamm, Lawrence J. 3,002,169.
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Kerst, Donald W., and Brower. 2,976,444.
Killian, George W. 2,986,605.
Kirk, Donald R., and Allen. 2,997,262.
Lanford, Ben W., and Pool. 2,998,520.
Lennon, George V., III, and Durkee. 2,992,327.
Lynch, Robert A. 3,009,393.
Magnuson, Clarence E. 2,967,685.
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McIlroy, John H., and Moore. 3,001,196.
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McNaney, Joseph T. 2,976,529.
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McPherren, Glen E. 2,997,751.
Medved, David B. 2,973,516.
Montner, Joseph. 3,014,185.
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Muehlner, Egon E. 2,988,718.
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Ottestad, Jack B. 2,967,590.
Ottestad, Jack B. 2,979,938.
Ottestad, Jack B. 2,980,071.
Ottestad, Jack B. 2,993,475.
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Parker, Albert E. 2,981,504.
Pearce, James G., Sager, and Sowers. 2,968,749.
Perkins, Arthur F. 2,998,563.
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Stump, Theodore M., and Torpie. 3,011,135.
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Tubinis, Matthew P. 2,986,602.
Tyrlick, William V. 3,003,144.
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Wiseman, Neil L. 3,006,998.
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Wobig, William H. 3,011,116.
York, Kenneth C. 3,013,324.
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Abbott, Roy W. 2,983,300.
Abresch, Carel F., and Mercer. 2,973,907.
Ackerman, Stanley C. 2,987,643.
Ackley, Richard H. 2,993,496.
Adams, Charles J. 2,976,463.
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Addamiano, Arrigo. 3,008,805.
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Albrecht, Warren F. 3,000,200.
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Alcott, Ernest G. 2,974,384.
Alford, Joseph S. 2,973,938.
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Alford, Joseph S. 2,998,958.
Allen, Ely G. 2,976,012.
Allen, Robert K. 3,002,173.
Alley, Robert P. 2,987,593.
Alley, Robert P. 2,999,188.
Altes, Stephen K. 2,972,013.
Anderson, John M. 2,997,675.
Anderson, Robert M. 2,982,119.
Anderson, Robert M. 2,993,008.
Anderson, William P., and Penfield. 3,013,790.
Andrews, Theodore E. 2,975,723.
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Anthony, John W., and Lewis. 3,000,407.
Applebaum, Sidney. 2,997,650.
Armandroff, Taft E., and Olashaw. 2,999,190.
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Aven, Manuel. 3,000,834.
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Baciu, Nick. 2,978,371.
Badger, Richard A. 2,989,111.
Baird, Leslie L., and Basketville. 3,005,064.
Bakke, Hans A., and Paine. 2,995,995.
Balchunas, Charles A., and McCune. 2,995,975.
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Baranow, Sanford. 3,011,889.
Barkan, Philip. 3,009,034.
Barnes, Emmett W. 3,007,236.
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Barney, Duane L. 2,991,378.
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Beeler, Martha A., and Gager. 2,992,919.
Beggs, James E. 2,981,897.
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Benander, George B. 2,969,418.
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Bentsen, Arthur R. 2,980,283.
Berry, Theodore M. 3,011,436.
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Beutler, Carolee C. 2,972,585.
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Bigelow, John E. 3,001,139.
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Bluestein, Ben A. 2,970,982.
Bluestein, Ben A. 2,971,970.
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Bluestein, Ben A., and Caprino. 2,991,266.
Bluestein, Ben A., and Sober. 2,992,083.
Bobear, William J., and Krantz. 2,974,063.
Bochan, John. 2,967,417.
Bochan, John. 2,986,910.
Bochan, John. 2,986,916.
Bochan, John. 2,987,190.
Bochan, John. 2,990,705.
Bochan, John. 2,990,706.
Bochan, John. 2,990,709.
Bochan, John. 3,005,330.
Bochan, John. 3,005,529.
Bochan, John. 3,009,343.
Bochan, John. 3,010,303.
Bochan, John. 3,014,358.
Boeker, Harold T. 2,977,500.
Bogosian, John D., and Peters. 3,014,740.
Bondley, Ralph J. 2,992,007.
Bonner, Orville R. 2,982,331.
Boros, Steve. 2,980,266.
Botje, Jacobus M. 2,994,472.
Bovenkerk, Harold P. 2,992,900.
Boyd, Malcolm R. 2,992,362.
Boyles, Robert L. 2,995,005.
Bramhall, George H. 2,991,928.
Brealey, Robert H., Jr., and Mankoff. 2,972,004.
Bremer, John W. 3,004,705.
Britten, Harold H. 2,986,647.
Brouillette, Joseph W., Jr. 2,983,822.
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Brown, Edgar D., Jr. 2,970,126.
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Brown, John F., Jr. 2,967,160.
Brown, John F., Jr. 2,992,263.
Brown, John F., Jr. 3,000,858.
Brown, Richard N. 2,987,606.
Brown, Russell A. 2,985,766.
Buchhold, Theodor A. 3,005,117.
Buchhold, Theodor A. 3,008,044.
Buchhold, Theodor A., and Schoch. 3,004,683.
Bueche, Arthur M., and Oliver. 2,993,809.
Buesing, Richard T., and Dalton. 3,013,215.
Burger, Emmett E. 3,014,109.
Burkhard, Charles A., and Jones. 3,013,444.
Buschmann, Erwin C., and Norton. 3,005,098.
Bussey, Howard C. 3,014,211.
Butsch, Alfred G. 3,006,156.
Cain, Dallas E. 2,970,680.
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Camilli, Guglielmo, and Galloway. 2,989,863.
Cannon, Maurice W. 2,982,901.
Carel, Walter L. 3,010,222.
Carlon, Steven R. 2,986,716.
Carlson, Ernest R. 2,988,710.
Carney, Robert W. 3,010,032.
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Cavalieri, Albert L. 2,998,017.
Chang, Winston H. 2,978,319.
Charewicz, Francis J., and Smith. 3,005,891.
Chase, David R. 3,008,331.
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Chansse, Burnette P. 2,976,479.
Chen, Franklin P. H. 3,006,775.
Chestnutt, Robert E., and Cormia. 2,998,135.
Chin, Bock M., and Sullivan. 3,005,139.
Chow, Woo F. 2,982,866.
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Christianson, Clinton C. 2,984,218.
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Clemm, Peter J. 2,983,603.
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Coggeshall, Almy D., and Shirk. 2,980,757.
Coggeshall, Thellwell R., and Tognella. 2,972,337.
Coghill, Henry D., and Koller. 2,967,111.
Collins, Martin D. 2,978,374.
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Cook, Ellsworth D. 2,989,690.
Cook, Ellsworth D. 2,989,691.
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Cushing, Donald S. 2,990,835.
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Damon, Richard W. 3,013,214.
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Dehn, Rudolph A. 2,992,347.
De Kanter, Scipio. 2,977,773.
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Detrick, Herbert B., and Weber. 2,986,593.
De Wolf, George L., and Terry. 2,969,473.
Diehl, Max H. 2,986,700.
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Di Giorgio, Philip A. 2,986,874.
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Di Marco, William A., and Hoag. 2,969,544.
Dimond, Herbert M., and Boyles. 2,994,183.
Dixon, Corbin. 2,971,185.
Doane, Elroy T. 2,993,418.
Dodge, Paul A. 2,967,251.
Dodge, Paul A. 2,976,474.
Dodge, Paul A. 2,976,475.
Dome, Robert B. 2,978,626.
Dome, Robert B. 2,993,177.
Doucette, George G., Jr. 2,987,684.
Doyle, Malcolm G. 2,993,099.
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Eans, Marvin C., Jr. 2,981,491.
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Eaton, Richard H. 3,004,638.
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Edholm, Rolf G. 3,004,163.
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Edwards, George J. 2,997,616.
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Elasmann, Kurt W. 3,002,128.
Eldredge, Kenneth R. 3,000,000.
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Enright, John A. 2,982,847.
Evans, Steven W. 2,990,498.
Evjen, John M. 2,987,189.
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Extale, Gilbert J., and Riddington. 2,967,365.
Fabel, George W., and Zuerker. 2,984,712.
Fackmitz, Winfried K. 2,982,008.
Falk, Richard B., Hatinger, and Hooper. 2,999,271.
Favre, John A. 2,972,259.
Fehner, Eugene C. 3,001,054.
Feiertag, Karl M., and Neuls. 2,982,504.
Field, Boris. 2,983,787.
Finlayston, Frank E., and Swenson. 2,976,388.
Finley, Donald R., and Henshaw. 2,974,516.
Fisher, John C. 3,002,116.
Fisher, Lawrence E. 3,009,011.
Fitz, Elmore J., and Waite. 2,986,485.
Flowers, Ralph G. 3,013,906.
Flowers, Theodore R. 3,002,302.
Flynn, Edward J. 2,999,951.
Foldes, Stephen, and Reardon. 2,987,807.
Foley, Edward. 3,010,479.
Frank, Gerald F. 2,995,735.
Frank, Gerald F. 3,014,159.
Frank, Robert G. 2,973,261.
Frankau, Louis G., and Pisacane. 2,972,533.
Fridrich, Elmer G. 2,976,893.
Froelich, Herman C. 2,987,485.
Furbee, Avery D. 3,007,125.
Gatti, Arno. 2,993,467.
Gaysowski, Joseph J. 2,986,009.
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Geiger, Richard E. 3,006,582.
Genuit, Luther L. 2,988,670.
Gerr, Morris, and Tillson. 2,998,898.
Gerry, Otto F. 2,979,817.
Gibson, Hal, and Maddock. 2,982,128.
Gibson, Van R., Jr. 2,994,063.
Giesselman, Albert C. 2,985,755.
Gifford, Richard P., and Suit. 2,978,684.
Giles, Walter B. 2,969,759.
Giles, Walter B. 3,006,371.
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Gill, Robert F., and Wukusick. 2,994,605.
Gillie, Harmon A. 2,992,344.
Gitzendanner, Louis G. 2,996,748.
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Glenn, William E., Jr. 2,995,067.
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Golden, Martin P. 3,005,252.
Goldman, Richard G. 3,006,184.
Goss, Barnard L., and Stevens. 2,994,005.
Granan, John R., and Lewis. 3,004,429.
Graves, Donald E., and Beutler. 2,993,124.
Gray, Willard F. M., and Hurt. 2,983,459.
Gray, Willard F. M., and Moser. 2,977,556.
Green, Floyd H. 3,003,345.
Grenoble, Herbert E. 2,970,075.
Grenoble, Herbert E. 2,993,264.
Griffith, David E., and Heffelfinger. 3,004,489.
Grobel, Lloyd P. 2,968,499.
Grobel, Lloyd P. 2,988,656.
Gulick, William K., and Criffield. 3,002,497.
Gundert, Eberhard, and Vibrans. 2,975,325.
Hall, Robert N. 2,994,018.
Halsted, Richard E. 2,997,415.
Hamm, Clarence L., and Bourne. 2,988,886.
Hannon, Cyril H. 3,000,733.
Hansel, Grant, Jr. 2,994,125.
Hardy, Albert L., and Woodson. 2,970,777.
Harle, Harold P. 2,969,654.
Harle, Harold P. 3,005,322.
Harle, Harold P. 3,009,329.
Harle, Harold P. 3,009,330.
Harle, Harold P. 3,012,417.
Harle, Harold P. 3,014,350.
Harle, Harold P., and Balogh. 3,002,363.
Harle, Harold P., Balogh, and Loewenthal. 2,970,453.
Harris, Lawrence A. 3,013,179.
Harvey, Luke M. 2,993,134.
Haskell, Clarence A., and Freitas. 2,982,133.
Hassel, Elmer W. 3,012,208.
Hay, Allan S. 2,992,271.
Hay, Allan S. 2,992,272.
Hell, Hans. 2,973,454.
Hell, Hans. 3,008,390.
Hell, Hans W. 2,967,961.
Henderson, Wayne L. R. 2,998,951.
Henry, George E., and Evans. 2,976,434.
Herrick, Carlyle S. 2,967,095.
Herrick, Carlyle S. 2,967,115.
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Hilliker, Donald E., and Dahlgren. 2,997,356.
Himeon, Harold T., and Wahl. 2,992,372.
Hodge, William F. 2,997,617.
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Hopkins, Earl E. 3,003,375.
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Hoppin, George S., III. 2,988,447.
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Horton, Richard H. 3,011,313.
Horvay, Julius B. 2,997,353.
Horvay, Julius B. 3,005,227.
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Houghton, Warren W. 2,985,427.
Hougland, Russell A. 2,990,144.
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Houser, Philip H., and Shelton. 2,979,936.
Howell, Edward D., and Green. 2,979,300.
Hughes, Philip G. 2,970,383.
Hughes, Philip G. 2,979,932.
Hull, Edwin H., and Nerad. 2,966,722.
Hume, Roger E. 3,010,185.
Hume, Roger E., and Lovinger. 3,010,050.
Hurd, Dallas T. 2,967,168.
Hurt, William C., Jr. 2,974,402.
Ihle, Dan M. 3,004,728.
Ihnat, Michael E. 3,007,990.
Jacobs, James W., and Mercer. 2,973,769.
Jacobs, John E. 2,975,313.
Jacobs, John E. 2,995,728.
Jacobs, John E. 3,009,079.
Jacobs, John E., and Berger. 3,004,101.
Jacobs, Lewis W. 2,984,723.
Jacobs, Stephen. 3,002,374.
Jaffe, Donald, and Hallinan. 3,007,988.
Jarvinen, Willard B. 2,992,699.
Jellies, David A. 3,005,065.
Jenkins, Thomas E. 2,991,018.
Jenkins, Thomas E. 3,005,595.
Jenkins, Thomas E. 3,005,596.
Jenkins, Thomas E. 3,009,657.
Jennings, Gresham N. 3,003,097.
Jensen, Robert E. 2,967,394.
Johnson, Anderson F., Jr. 3,003,130.
Johnson, Eugene L. 3,011,387.
Johnson, Wallace M. 2,977,527.
Johnston, Frank C., and Krauss. 3,004,097.
Johnston, George F. 2,980,792.
Juneau, Paul W., Jr. 2,996,476.
Kantor, Simon W. 2,967,192.
Kantor, Simon W. 2,997,457.
Kaye, Anthony J. 2,991,996.
Keeling, Kermit B., Sr. 3,006,335.
Kelley, Floyd C. 2,993,269.
Kelley, George J. 2,969,523.

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Kemnitz, Warren N. 2,974,344.
Kemnitz, Warren N. 3,012,267.
Kendt, Norman L. 3,012,696.
Keonjian, Edward. 2,983,863.
Kershaw, Delmar D. 3,003,079.
Kessel, Alvan A., and Norman. 2,997,526.
Kessel, Alvan A., and Norman. 2,997,527.
Kessel, Alvan A., and Norman. 2,997,528.
Kilbourne, Charles E. 2,970,232.
Kilbourne, Charles E., and Grobel. 2,975,308.
Kirtchik, Hyman. 3,011,233.
Klapproth, John F. 3,013,744.
Klein, Keith W. 2,981,808.
Klint, Robert V. 2,977,963.
Knight, James L. 2,967,408.
Koch, Theodore T. 3,012,800.
Kohn, Julius A., and Vande Vaarst. 3,009,363.
Kohn, Leo S., and Gucz. 3,014,826.
Koller, Lewis R. 2,975,345.
Koller, Lewis R. 2,983,816.
Koller, Lewis R. 3,001,892.
Koolker, Paul I. 3,006,163.
Kosfeld, Milton M. 2,988,267.
Krause, Lloyd O., and Smith. 2,985,878.
Kvet, Otto. 3,000,272.
Lafferty, James M. 2,975,255.
Lafferty, James M. 2,978,605.
Langan, Martin J. 2,991,268.
Langenwalter, Daniel F., and Stevenson. 3,012,244.
Larew, John J., and Snell. 2,981,845.
Lattizzori, Richard A. 2,985,858.
Lawson, Alfred C. 2,978,639.
Lawson, Alfred C., and Manning. 3,009,028.
Lawson, Gustaf R. 2,969,479.
Lawton, Elliott J. 2,967,137.
Lawton, Elliott J. 2,997,418.
Lawton, Elliott J. 2,997,419.
Leavitt, Herbert J. 2,985,545.
Leavitt, Herbert J. 2,985,546.
Leavitt, Herbert J. 3,004,871.
Le Blanc, Joseph V. 3,011,105.
Lee, Thomas H. 2,976,382.
Lee, Thomas H. 3,008,022.
Lee, Thomas H., and Cobine. 2,975,256.
Lemmerman, Harold H. P., and Crocker. 2,984,727.
Leonard, Richard H. 3,012,333.
Lesk, Israel A. 2,977,256.
Levine, Harvey. 3,007,029.
Lichtenstein, Roland M. 2,986,704.
Lichtenwalner, Hart K. 3,004,859.
Liebhafsky, Herman A., and Bueche. 2,967,113.
Liermann, August O., and Heath. 2,980,877.
Linville, Robert G., and McEntee. 3,007,956.
Lit, Harry B., and Anderson. 2,994,624.
Livingston, Orrin W. 2,996,654.
Lochow, Elmer E. 2,991,637.
Loewenthal, Henry J. 2,987,895.
Lohrey, Edwin J., and Demchock. 2,984,266.
Long, James, and Miller. 2,982,907.
Lord, Harold W. 2,995,685.
Lukes, Robert M. 2,996,408.
Lyman, Richard E. 2,987,788.
Lynch, Donald W. 3,009,256.
MacCormack, Paul. 3,008,741.
Mankoff, Lawrence L., and Streater. 2,998,499.
Manning, Emmett W. 2,975,357.
Manteuffel, Erich W. 2,987,666.
Mapelsden, George C., and Francis. 2,973,501.
Marlowe, Richard H. 2,973,455.
Marscher, William F., Owens, and Fraser. 2,991,618.
Marsh, Mendole D. 3,009,758.
Marshall, Daniel Q., Mason, Davis, Bobo, and Campbell. 2,990,156.
Marshall, Walter L. 2,993,820.
Marshall, Walter L., and Coggeshall. 2,994,735.
Marshall, Walter L., and Keane. 3,014,980.
Martin, Raymond S., and Petley. 2,983,856.
Martyny, William C. 2,987,414.
Martyny, William C. 3,006,781.
Marx, Michael F. 2,983,469.
Massa, Don J. 3,006,162.
Mazzacane, Robert W. 2,987,242.
McCarty, William J. 2,970,816.
McCarty, William J. 3,003,408.
McEneny, Gregory E. 3,002,353.
McFerran, James B. 3,003,102.
McGinn, John H., and Prout. 3,007,072.
McGurty, James A., and Collins. 2,994,604.
McGurty, James A., and Collins. 3,002,833.
McGurty, James A., and Funston. 2,978,321.
McLoughlin, Joseph R. 2,970,122.
McLoughlin, Joseph R. 2,986,548.
McLoughlin, Joseph R. 2,986,549.
McMahon, Jerome C. 2,982,368.
McMillan, Stephen L. 3,006,164.
McVoy, Charles F., Jr. 2,997,076.
Meacham, John W. 3,015,082.
Meagher, George L. 2,979,917.
Meiklejohn, William H. 2,983,349.
Meiklejohn, William H. 2,988,466.
Melikian, Albert V. 2,967,407.
Mendelsohn, Julian P., Grant, and Barrial. 2,971,333.

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Mendelsohn, Lewis I. 2,999,778.
Mereness, Charles E. 2,968,860.
Merz, Donald M., and Greene. 3,009,638.
Met, Victor O. 2,997,654.
Metzger, Matt F. 2,967,621.
Metzger, Matt F. 2,983,129.
Metzger, Matt F. 3,014,590.
Milford, Richard E. 2,987,632.
Miller, Meritt L., and Dalman. 2,987,678.
Mills, Samuel M., Jr. 3,007,036.
Mittermaier, Armin F., and Wilcox. 3,011,140.
Modic, Frank J. 2,979,479.
Mohler, Donald, and Cronquist. 3,001,108.
Moore, Hugh S., and Procopio. 3,001,269.
Moran, Don E., and Culbertson. 3,014,103.
More, Philip J. 2,994,317.
Morgan, Raymond E. 3,015,039.
Morrissey, William M., Jr. 3,012,837.
Mosby, Frederick A. 3,001,096.
Mouat, Robert W. 2,993,192.
Movsesian, Edward N. 2,980,396.
Mullaney, George J. 2,990,682.
Mullaney, George J., and Kaskan. 2,966,793.
Myers, Richard T., and Wintle. 3,012,138.
Myers, Robert L., and Gill. 2,977,514.
Nalos, Ervin J. 2,967,968.
Neale, Junius B. 3,001,555.
Nelson, Thomas F., and Ottinger. 3,011,683.
Nerad, Anthony J., and Macpherson. 2,991,617.
Newberry, Sterling P. 3,008,066.
Newell, Robert W. 3,006,334.
Newkirk, Arthur E. 2,992,916.
Nielsen, John M. 3,009,876.
Nielsen, John M. 3,009,877.
Norton, James F. 2,985,866.
Norgaard, Donald E. 2,980,904.
Oakes, William S. 2,978,635.
Oakes, William S., and Bristow. 2,973,473.
Oakes, William S., Jr., and Barnhart. 3,005,949.
Ogle, Hugh M. 2,969,674.
Oliver, Evan M., Tripp, Fussell, and Michael. 2,977,241.
Olson, Albert L. 2,977,926.
Omohundro, William A. 2,981,464.
Oppel, John A. 3,009,983.
Orbom, Orville E. 2,982,158.
Ott, George E. 2,977,104.
Ovacek, Richard A., and Mitchell. 2,984,385.
Oxx, Gordon D., Jr. 2,983,035.
Paiement, Philip R. 3,009,320.
Paine, Thomas O., Mendelsohn, and Luborsky. 2,974,104.
Panariti, Viktor M. 3,007,997.
Paolino, Ralph J. 2,987,640.
Paynter, Donald A. 2,996,641.
Paynter, Donald A. 3,007,045.
Peaslee, Lawrence R. 2,980,844.
Pell, Erik M. 2,969,491.
Perkins, Therold W. 2,976,201.
Persson, Karl-Birger. 2,972,032.
Peters, Philip H., Jr. 2,997,624.
Peters, Philip H., Jr. 3,013,180.
Peters, William W. 2,997,038.
Petrie, Adelore F., and Aubrey. 3,006,430.
Pfuntner, Richard A., and D'Entremont. 3,001,163.
Phillips, Donald R., Dobras, Makulec, and Fisher. 2,971,083.
Pierce, Lowell J., Benson, and Jaramillo. 2,973,624.
Pietsch, Joseph A. 2,975,611.
Pinder, James M. 2,975,902.
Pinder, James M. 2,983,130.
Pinkus, Oscar, and Smith. 3,004,804.
Pinney, Harold E., and Brennan. 2,994,786.
Pistey, John M. 2,973,500.
Pistey, John M. 2,995,722.
Pistey, John M. 3,005,175.
Piteo, Benjamin A., Jr., and Powell. 2,981,812.
Plump, Ralph E. 2,981,785.
Polese, James P. 3,009,012.
Polovina, Walter. 2,980,638.
Popa, John. 3,015,058.
Powell, Alric H. 2,997,525.
Powell, David B. 3,005,066.
Powlenko, Edward J. 2,990,996.
Pritchett, Wesley E. 2,998,287.
Prochaska, Robert J. 2,989,451.
Puffer, Samuel R. 2,978,868.
Pywell, Harry E. 2,993,148.
Quinn, Will M., Jr., and True. 2,992,295.
Rabins, Leonard. 2,981,910.
Radouco-Thomas, Corneille. 2,992,927.
Rankin, Andrew W., and Ernest. 3,014,695.
Rankin, Andrew W., Zwicky, and Wheeler. 2,974,924.
Raue, Emil J., and Graham. 3,009,013.
Rediger, Alvin L. 2,980,157.
Rediger, Alvin L. 3,012,162.
Reihman, Earl F., and Cressman. 2,991,337.
Relling, Gilbert H., and Jensen. 2,976,451.
Reisch, George J. 2,991,798.
Reque, Styrk G. 2,995,304.
Rexford, Donald L., Hoffman, and Jacobs. 2,970,806.
Rhoades, John M. 3,010,063.
Rhudy, Ralph G. 2,985,106.
Rich, Harold, and Baker. 2,982,915.
Rich, Harold, and Rowell. 2,996,672.
Rich, Theodore A. 2,992,395.

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Rich, Theodore A. 3,007,367.
Richardson, Charles D. 2,970,936.
Rhodes, Junior I. 2,994,767.
Roberts, John A. 2,981,091.
Roberts, John A. 2,996,661.
Roberts, John A. 3,009,074.
Rosen, Charles A. 2,974,296.
Rosen, Charles A. 2,975,354.
Rosen, Edgar R. 2,979,984.
Rosenberg, Joseph. 2,995,688.
Rosenblatt, Murray. 2,981,882.
Rowe, Raymond N. 2,970,746.
Rowe, Raymond N. 3,004,096.
Rudden, William J. 3,008,685.
Rudler, Henry L., and Nelson. 2,987,696.
Rundell, Charles L. 2,981,825.
Saby, John S. 2,999,195.
Sargent, Donald E. 2,983,734.
Sasnett, Russell M. 2,987,260.
Savory, David B. 3,005,166.
Sawyer, Robert W. 3,010,091.
Schaefer, Robert H. 2,969,641.
Scheldorf, Owen H. 2,977,043.
Scheldorf, Owen H. 2,988,405.
Scheldorf, Owen H. 2,997,060.
Schiefer, Richard B. 2,974,485.
Schlesinger, Kurt. 2,995,676.
Schmidt, Gustav A. 2,991,301.
Schmidt, Gustav A., and Vaughn. 2,991,300.
Schmidt, Kurt. 2,971,110.
Schmidt, Kurt. 3,012,165.
Schmitt, Nickolas, and Willyoung. 3,005,119.
Schneider, Harold N. 2,980,782.
Schreiner, Robert J. 2,985,298.
Schultz, Frederik S., Levinstein, and Albers. 2,993,678.
Schultz, Harry E. 2,971,126.
Schultz, Harry E. 2,971,166.
Schultz, Harry E. 3,012,181.
Schultz, Herold E. 2,994,763.
Schultz, Warner W. 2,986,635.
Schultz, Warner W. 2,986,642.
Schulze, James L. 2,967,410.
Schumacher, Walter C. 2,980,791.
Schwartz, Nathan, and Keihn. 2,967,282.
Scott, George A. 3,003,048.
Scott, George A. 3,014,872.
Seely, Richard E. Re. 24,977.
Seely, Richard E. 2,974,856.
Selgle, William R. 2,984,821.
Shade, Ray W. 2,996,894.
Shaffer, Paul B. 2,984,528.
Shain, Edwin. 2,987,674.
Sharbaugh, Amandus H., and Auer. 2,992,406.
Shih, Usang L. 3,001,116.
Shildneck, Lloyd P. 2,990,483.
Shildneck, Lloyd P. 3,014,139.
Shipley, Eugene E., and Dudley. 2,975,620.
Shonebarger, Francis J. 2,993,001.
Simmons, Russell T. 3,009,047.
Simms, Thomas S. 2,977,675.
Simms, Thomas S., and Harder. 3,004,877.
Simpson, William F. 3,009,259.
Sisson, Kenneth O. 2,973,637.
Skala, George F. 3,010,308.
Skiff, Russell A. 2,975,148.
Slattery, John P. 2,970,455.
Smart, David D. 2,997,779.
Smialek, Leon J. 3,001,097.
Smiley, James O. 2,973,842.
Smith, Donald M., and Sodergren. 2,994,412.
Smith, Richard J. 2,996,916.
Sollecito, William E. 2,985,775.
Sollecito, William E. 3,010,320.
Somes, Frederick J., Jr. 2,975,512.
Somes, Frederick J., Jr. 2,989,579.
Somes, Frederick J., Jr. 3,006,591.
Somes, Frederick J., Jr. 3,007,996.
Spicer, Curtis D. 2,986,845.
Spiegelhalter, William G. 3,009,332.
Spitzer, Charles F. 2,975,290.
Sprague, Carl F. 3,011,628.
Staak, Louis E. 2,979,779.
Stabler, Edward P. 2,988,649.
Stanton, James W. 3,009,113.
Stern, Hansjoerg. 2,970,575.
Steven, Harry M., and Marshall. 2,981,811.
Stoddard, Edgar S. 2,980,598.
Stoddard, Edgar S. 2,981,267.
Stoffert, Arnold C. 2,975,864.
Stone, Aidan M. 3,005,329.
Stone, Aidan M., and Worst. 3,014,591.
Stout, Virgil L. 2,996,795.
Suhr, Fred W. 2,975,311.
Suits, Chauncey G. 2,972,937.
Suits, Chauncey G. 2,991,627.
Sullivan, Gerald L., Pfuntner, and Lynch. 3,000,222.
Summers, Erwin R. 2,996,773.
Swanson, Herbert F. 2,966,999.
Swenson, Alfred G. 2,991,572.
Swerdlow, Nathan. 2,977,404.
Swerdlow, Nathan. 2,992,290.
Swerdlow, Nathan, and Wilson. 2,970,185.
Sylvan, Tage P. 2,968,770.

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Sylvan, Tage P. 2,997,665.
Taggett, Paul N. 2,987,415.
Tarleton, Frederic L. 3,003,684.
Tehon, Stephen W. 2,988,714.
Telfer, Thomas A. 2,977,672.
Terez, Clarence S. 2,997,186.
Thiess, Ludwig E. 2,984,887.
Thomas, Henry P. 3,013,122.
Thomas, William A. 2,983,804.
Toma, John W. 2,970,464.
Toma, John W. 3,012,332.
Trekell, Harold E. 3,000,223.
True, Thomas T. 2,991,357.
Tully, Paul R., and Scalera. 2,990,582.
Tupper, Myron D. 2,982,986.
Tupper, Myron D. 2,983,432.
Tupper, Myron D. 3,014,140.
Turton, Cecil B. 2,984,769.
Untermyer, Samuel. 2,998,369.
Untermyer, Samuel, 2nd. 2,998,367.
Van Billiard, Lewis H. 2,983,801.
Van Billiard, Lewis H., and Grogan. 3,012,087.
Vandergraaf, Johannes J. 2,988,637.
Vanderlee, Harold G., and Brody. 3,006,155.
Van der Ziel, Aldert. 2,997,583.
Van Luik, Frank W., Jr. 3,011,390.
Vaughan, James R. M. 2,967,974.
Vdoviak, John W. 2,975,589.
Vdoviak, John W. 2,978,870.
Venables, Herbert J., III. 3,005,253.
Venema, Harry J. 3,009,990.
Vize, James F. 2,997,596.
Vogt, George H. 2,994,797.
Wagner, James B., and Straney. 2,977,768.
Walker, Robert K. 3,013,254.
Walker, Roger E. 2,970,717.
Wanamaker, Robert L., and Gaynor. 2,987,273.
Ward, Howard C., Jr., and Walsh. 2,996,632.
Warren, Glenn B. 2,970,434.
Warren, Robert E. 3,004,700.
Warren, Robert E., Nagel, Neumann, and Jensen. 2,999,630.
Warren, Robert E., and Widlansky. 2,971,745.
Warrick, Leland K., and Bryant. 2,968,935.
Waters, Everett W. 2,994,499.
Watson, Wallace B. 2,970,270.
Watson, Wallace B. 2,987,649.
Watters, Robert L. 2,978,576.
Wayne, Charles J., Edkins, and Cleveland. 2,968,920.
Webber, Stanley E. 2,981,889.
Wegh, Emery M. 2,989,604.
Weininger, Joseph L. 3,003,017.
Weininger, Joseph L., and Liebhafsky. 2,987,568.
Weiss, Paul and Johnson. 2,968,789.
Wellinger, Roger P., and Roderick. 2,990,492.
Wentorf, Robert H., Jr. 2,996,763.
Werts, Everett W. 3,009,033.
West, Clifford S. 2,986,176.
West, Clifford S. 3,000,406.
West, Harry R. 3,014,191.
Westendorp, Willem F. 2,997,623.
Wetzel, John W., and Goldblum. 2,978,298.
Wheeler, Colin L. 2,995,804.
White, Roy W. 2,992,701.
White, Vernon R. 2,978,226.
Wiater, Alfons M., and Mikuszewski. 2,975,227.
Wightman, Lawrence W. 3,008,777.
Wilbur, Donald A. 2,995,715.
Wiley, Emmett H. 2,973,443.
Willcox, Thomas N. 3,010,126.
Wilson, James E., and Dunn. 2,975,051.
Wilson, Volney C. 2,981,857.
Willyoung, David M. 2,990,486.
Willyoung, David M., and Becker. 2,986,664.
Windsor, Harold F. 2,970,930.
Winn, Oliver H. 3,002,113.
Wise, Robert A. 2,967,981.
Woehrle, Harry G. 2,980,478.
Wolf, Philip C. 2,973,937.
Wollmershauser, Charles. 2,999,631.
Wood, Donald L., and Gatti. 2,970,052.
Woodward, Morton P., Jr. 3,004,387.
Woodward, Stewart A. 2,975,245.
Woodward, Stewart A., and Golden. 2,968,704.
Worcester, Joseph A. 2,984,742.
Worcester, Joseph A. 3,007,047.
Wotring, Gaylord H. 3,012,112.
Yamartino, Ernest J., and Falk. 2,999,777.
Yohe, Charles H. 3,007,235.
Zagorski, Wladyslaw S. 3,005,062.
Zehner, James L. 2,983,833.
Zeissler, Albert B. 2,998,537.
Zemany, Paul D. 2,967,239.
Zeno, Robert S., and Gill. 3,003,868.
Zimm, Bruno H. 3,001,922.
Zimmer, John S. 2,993,103.
Zimmer, John S. 2,993,104.
Zlupko, John E. 3,009,041.
Zuerker, Siegfried J., and Saggese. 2,994,122.
Zunick, Michael J., and Mahn. Re. 25,067.
Zurek, Thomas F. 3,009,470.
Zuvers, Howard E. 2,967,966.
Zwayer, Bard E. 2,967,672.

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Allison, James H., and Filer. 2,995,806.
Barry, John N., and Fisher. 2,996,680.
Boswell, David, and Ewels. 2,999,194.
Bourne, William A. 3,001,414.
Breadner, Robert L. 2,992,513.
Bury, Harry. 2,979,923.
Claydon, Roy. 2,980,746.
Connell, Leslie J. C. 3,013,191.
Cowcher, Edward, and Pledger. 2,985,852.
Curtis, Peter B. 2,992,539.
Dennis, William E., and Lindley. 2,985,575.
Donovan, Maurice, and Severs. 3,004,090.
Ellis, Lester B. D. 2,979,679.
Ferguson, Harold M. 3,012,224.
Ferguson, Harold M., and Stevens. 2,968,023.
Ferguson, Harold M., Stevens, and Sagar. 2,975,400.
Flint, Frederick C. 2,970,260.
Flint, Frederick C. 2,985,831.
Fisher, William H. 3,001,051.
Fisher, William H., and Lander. 2,985,740.
Gaunt, Ian A. B., and Mitchell. 2,998,370.
Gill, Ronald I. 2,996,101.
Goldsmid, Hiroshi J., and Sheard. 2,990,439.
Hamberger, Sydney M. 2,973,485.
Hamblin, Charles L., and Wayman. 3,008,640.
Hilbourne, Robert A. 2,998,487.
Holmes, Norman L., and Curtis. 3,006,177.
McKeag, Alfred H., and Hunt. 2,986,529.
Mlavsky, Abraham I. 2,973,290.
Millar, Robert N., and Mitchell. 2,997,435.
Poole, Frederick E. 3,012,167.
Robson, David W. 3,009,120.
Runciman, Robert D. 2,978,707.
Runciman, Robert D. 2,998,289.
Southern, Leslie. 2,996,902.
Trafford, Richard A. N. 2,996,790.
Tyler, David C. 2,999,170.
Walsh, Arthur S. 2,973,512.
Wilson, Bernard. 2,982,922.
Wilson, Robert. 2,973,442.
Wright, Ronald E. 2,990,510.
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Billig, Lewis S., and Newman. 2,988,693.
Billig, Lewis S., Perkins, and Watson. 3,011,023.
Perkins, Kenneth C. 3,003,139.

General Engineering Co. AB: *See*—
Wennberg, Olov C. G. 2,987,191.

General Engineering Co. (Radcliffe) Ltd.: *See*—
Bigland, Bernard K., and Garner. 2,979,275.

General Equipment Mfg. Co., Inc.: *See*—
Thomas, Frank P. 3,013,398.

General Filter Co.: *See*—
Lawlor, Joseph P. 2,981,416.
Lawlor, Joseph P., and Albertsen. 3,001,722.

General Fire Extinguisher Corp.: *See*—
Huthsing, Charles K., Sr. 2,976,010.

General Fireproofing Co., The: *See*—
Loew, Edgar C., and Wilmer. 3,000,682.
Springs, Otis A., Jr., and Smith. 2,970,677.

General Foods Corp.: *See*—
Baldwin, Robert R., and Ohan, Jr. 2,973,271.
Barnes, Harry M., Kremzner, and Mitchell. 2,975,603.
Block, Harry W. 2,983,617.
Block, Harry W., and Touher. 2,982,653.
Block, Harry W., and Touher. 3,011,894.
Cohen, Joseph H. 3,009,514.
Elsesser, Charles C. 2,996,384.
Fingerhut, Arthur L. 3,006,119.
Flynn, Charles E., and Ricker. 2,969,288.
Green, Julius, Schuller, Rikert, and Borders. 2,992,925.
Kremzner, Leon, and Mitchell. 3,012,893.
Lombardi, Eugene H. 2,975,056.
Lorant, George J., Rollins, and Guterman. 3,009,815.
Mitchell, William A., and Seidel. 2,968,565.
Moshy, Raymond J. 2,993,794.
Nagel, Albert H. 3,012,894.
Polya, Emery. 2,971,848.
Raffensperger, Stanley P., and Takashima. 3,009,810.
Raffensperger, Stanley P., and Takashima. 3,009,811.
Raffensperger, Stanley P., and Vogt. 3,005,715.
Reesman, Stanley H. 2,998,317.
Sienkiewicz, Boleslaw, Kohler, and Schulman. 2,977,203.
Steigmann, Ernst A. 3,007,796.
Winston, Adolph A., and Kelley. 2,973,272.
Yezek, Milton, and Utschig. 3,013,900.

General Industrial Supply Corp.: *See*—
Moline, Paul R., Sr. 2,986,895.
Stamm, Russell D. 2,996,925.

General Industries Co., The: *See*—
Jin, Korda K. D. 2,971,107.

General Instrument Corp.: *See*—
Hagen, Glenn E. 2,998,912.

General Magnaplate Corp.: *See*—
Kollock, Alan S. Re. 25,079.

General Metals Corp.: *See*—
Hoffer, James F. 2,969,744.

General Metals Corp. (Adel Precision Products Division): *See*—
Rodaway, Keith S. 2,969,998.
Shy, Harry G. 2,982,505.

General Metals Corp. (Enterprise Division): *See*—
Robbins, Bruce A., and Fleischer. 2,983,265.

General Mills, Inc.: *See*—
Aelony, David. 2,968,679.
Andersen, Donald L. 2,993,071.
Andersen, Donald L., and Throckmorton. 2,993,007.
Andrews, John S. 2,975,059.
Arnold, Heinz B. 2,994,455.
Brastad, William A. 2,971,127.
Chih, Chen M., and Backus. 2,988,406.
Dahlen, Theodore E. 3,010,540.
Floyd, Don E., and Peerman. 2,999,825.
Frochlich, Harold E., and Schwoebel. 2,993,663.
Fulmer, Richard W. 3,011,676.
Glaser, David. 2,990,383.
Hayes, Albert E., Jr. 2,992,422.
James, Thomas R. 2,990,677.
Jordan, Wesley A. 3,007,879.
Jordan, Wesley A., and Skagerberg. 2,970,063.
Keen, James L., and Opie. 3,009,575.
Kohl, Douglas A. 2,976,188.
McCaleb, Kirtland E., Vertnik, and Andersen. 3,010,782.
Miller, Sidney E., Berry, and Chang. 3,004,992.
Peerman, Dwight E. 2,994,456.
Peerman, Dwight E., and Floyd. 2,999,826.
Peterson, Lowell. 3,002,941.
Pohl, Russell A. 2,988,309.
Pohl, Russell A. 3,003,722.
Riese, Karl F., and Sagmo. 2,997,098.
Van Krevelen, Edward R., and Burmeister. 2,980,856.
Wheeler, Donald H. 2,970,995.
Yost, Paul E. 2,990,147.
Yost, Paul E. 3,006,584.

General Motors Corp.: *See*—
Adair, Samuel E., and Fox. 3,010,336.
Adams, Daniel M. 3,009,185.
Adams, Fred. 2,999,567.
Alden, John H. 2,991,851.
Allen, Everett W. 2,976,862.
Amala, Raymond S., and Schroeder. 2,976,588.
Amos, Stephen M. 2,991,752.
Andrews, Edward F. 2,996,612.
Arlauskas, Alfonsas. 2,978,242.
Arlauskas, Alfonsas, and Hollar. 2,983,544.
Armentrout, Everett C. 3,011,144.
Armes, Fred D., and Rogers. 3,004,752.
Avery, Dallas B., Sr. 2,968,375.
Baker, Max P. 2,970,853.
Baker, Max P., and Sampson. 3,000,089.
Baker, Richard E., and Fox. 3,001,517.
Baker, Sheilds P. 2,996,666.
Barney, Joseph N., and Lisher. 3,014,640.
Bauder, Carl J. 3,001,634.
Baugh, Everett L., Prior, and Scheutzow. 2,972,311.
Bayer, Robert J. 2,976,860.
Beam, Paul E., Jr., and Peterson. 2,996,146.
Bender, Edward A. 3,013,427.
Bendler, Harry M., Bleil, Hertzog, La Roda, and Ben. 2,968,555.
Benham, Harold L. 2,987,808.
Benzinger, Robert P. 2,974,652.
Bergin, Gary W. 2,982,576.
Bernotas, Ralph J. 2,974,430.
Bernotas, Ralph J. 2,978,124.
Bernotas, Ralph J. 2,981,356.
Bernotas, Ralph J. 2,990,925.
Bernotas, Ralph J. 2,991,664.
Bertsch, Joseph F. 2,972,340.
Bertsch, Joseph F., and Hansen. 2,978,256.
Bertsch, Joseph F., and Hansen. 2,983,506.
Bertsche, Ralph H., and Gegenheimer. 2,987,637.
Bevers, Eugene J., and Wente. 2,982,096.
Bidwell, Joseph B. 2,979,148.
Bidwell, Joseph B. 2,994,396.
Biraben, Henri E. 3,003,608.
Black, Sanford R. 2,980,992.
Blackburn, Alan B. 2,997,109.
Blackburn, Alan B. 3,013,613.
Blaies, Herbert O., Jr. 3,008,205.
Bleil, Carl E. 2,996,418.
Blinder, William. 2,983,557.
Blinder, William. 2,983,559.
Bockemuehl, Robert R. 2,977,499.
Bockemuehl, Robert R. 2,996,620.
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 2,986,220.
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 3,002,568.
Bodem, Roy C., and Geyer. 3,003,471.
Boggs, Homer D. 2,988,807.
Boretti, Napoleon P., Hessler, and Shearer. 2,978,569.
Bouvy, Christiaan H. 2,974,654.
Bouvy, Christiaan H. 2,990,819.
Bowers, Roy L. 3,000,467.
Bowser, Phillip C. 2,985,445.
Boyd, Anderson B. 2,996,688.
Boyd, Anderson B. 3,005,169.
Boylan, Henry W. 2,987,981.
Boylan, Henry W. 2,996,255.
Brady, William A., Jr., and Tolstyka. 3,008,648.
Brafford, James O. 2,983,911.
Bratton, David H. 3,014,563.
Braun, Adolph F. 2,969,783.
Braun, Adolph F. 2,969,965.

General Motors Corp.: *See*—Continued
Breting, Ulysses A., and Tuck. 3,013,574.
Bretzer, Hans S. 2,992,039.
Brien, Wayne V. 2,991,780.
Brinn, Jule. 2,968,299.
Brinn, Jule. 3,006,425.
Brissette, Lawrence P., and Joachim. 3,010,749.
Brittain, Richard J., Jr. 2,977,138.
Brockert, Paul E., Gordon, Skinner, and Whitmer. 3,007,529.
Brohl, Earl M. 2,968,254.
Brooks, Frank W. 2,976,957.
Brown, Arthur E., and Ogawa. 2,974,641.
Brown, Richard C., and Smith. 3,006,159.
Brown, Robert G., and Stuber. 2,996,268.
Brown, William E. 3,001,006.
Brubaker, James F., and Gaugler. 2,994,205.
Brucken, Byron L. 2,974,832.
Brucken, Byron L. 2,986,914.
Brucken, Byron L., and Long. 2,978,190.
Brunner, Richard J. 2,985,196.
Bryant, Alwin L., and Mills. 2,991,521.
Buckman, Kenneth E. 2,968,361.
Buckman, Kenneth E. 3,003,637.
Bundorf, Ronald T. 2,978,254.
Bunker, Ward, Denman, and May. 2,972,390.
Burch, Lewis D. 2,987,938.
Burrell, Frank C. 2,981,379.
Burrell, Gilbert. 3,014,470.
Burrows, Godfrey. 3,000,650.
Busklrk, John E., Hittle, and Tippey. 2,994,731.
Butts, Mervin R. 2,986,017.
Bychinsky, Wilfred A. 2,977,498.
Callahan, Thomas P. 2,976,720.
Canaday, Joe R. 2,993,098.
Candelise, Alfred. 2,991,766.
Candelise, Alfred. 2,991,767.
Candelise, Alfred, and Cole. 3,014,979.
Caplan, Isadore, Frank, Ruflin, and Thomson. 2,982,312.
Caris, Darl F. 2,985,148.
Caris, Darl F. 2,996,050.
Caris, Darl F., and Mitchell. 2,983,554.
Carlson, Richard A. 2,991,405.
Carlson, Wilbur L. 2,975,682.
Carrico, Billy J. 2,971,997.
Carter, Robert L. 2,968,248.
Cataldo, Roy S. 2,990,902.
Chapin, Edward A. 2,991,769.
Chayne, Charles A. 2,990,901.
Cheek, Willard D., and Somerville. 3,012,143.
Chilton, William D. 3,013,270.
Christenson, Howard W. 3,003,428.
Christenson, Howard W., Fisher, and Breting. 2,969,695.
Christenson, Howard W., and Mooney. 3,006,199.
Christenson, Howard W., Tuck, and Bailey. 2,990,919.
Cislo, Casimer J. 2,974,675.
Cislo, Casimer J. 2,996,308.
Cislo, Casimer J. 3,000,400.
Cislo, Casimer J. 3,000,624.
Clancy, John F. 3,000,560.
Clark, Harry F. 2,997,857.
Clason, Bertil H. 3,004,423.
Clayton, David P. 2,979,687.
Clayton, David P. 2,996,608.
Clements, John A., and Stallwood. 2,978,056.
Cobb, Leland D. 2,977,161.
Cobb, Leland D. 2,987,154.
Cockburn, Stanley D. 3,010,750.
Cockburn, Stanley D., and Leslie. 2,987,907.
Cole, Edward N. 3,014,730.
Conklin, Emmett D., Flanigan, Ricketts, and Turunen. 2,972,230.
Conn, Francis E., Covert, Morice, and Weis. 3,003,566.
Conner, Leo B., Jr. 3,011,713.
Contant, Peter R. 2,976,088.
Contant, Peter R., Gute, Reese, Schmitz, Fox, and De Rees. 2,985,024.
Cooper, Lewis, Jr., and Koschmann. 3,000,552.
Crispell, Roger L., and Hanifan. 2,978,567.
Crispell, Roger L., and Vellner. 2,979,053.
Cromwell, Harold J. 3,006,221.
Crumb, Duane R. 3,012,127.
Dahle, Edwin A., and Helvern. 3,010,544.
Dakin, Vernon W. 2,982,067.
Daley, Frank R. L., Jr. 2,991,634.
Darney, Raymond F. 3,000,626.
Davis, Harry M., and Karell. 2,971,596.
Davis, Raymond C. 2,976,573.
Davidson, Thomas E. 2,972,817.
Deeley-Jones, Arnold E. 2,977,700.
De Haan, Wolbert. 3,010,757.
De Lorean, John Z. 2,968,197.
De Lorean, John Z. 2,968,358.
De Lorean, John Z. 3,009,368.
De Lorean, John Z. 3,011,578.
Denman, Stephen A., and Bunker. 2,976,946.
Dermond, Lawrence C. 2,988,342.
Dermond, Lawrence C. 3,008,697.
Dermond, Lawrence C., and Bruinsma. 3,013,544
De Wilde, Andries C., and Steinhagen. 2,979,643.
De Witte, John T., and Wurtz. 2,979,922.
Diamond, Milton J., Fredrickson, and Spain. 3,003,628.
Dietrich, Eric R. 2,988,353.
Dietrich, Howard H., Brady, and Garthe. 3,001,519.

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Dietrich, Howard H., and Page. 2,983,100.
Dilworth, Richard M., Markestein, and Nelson. 2,971,478.
Dilworth, Thomas B. 2,977,762.
Dilworth, William G. 3,006,698.
Dion, Warren E. 2,982,402.
Disinger, Frank A., and Nicolia. 2,988,335.
Dodge, David W. 2,970,277.
Dodge, David W. 2,983,879.
Doerper, Alfred. 2,981,390.
Dolza, John. 2,969,786.
Dolza, John. 2,974,541.
Dolza, John. 2,974,599.
Dolza, John. 2,981,197.
Dolza, John. 2,981,460.
Dolza, John. 2,995,890.
Dolza, John, and Kolbe. 2,990,826.
Dolza, John, and Kolbe. 2,991,776.
Drabik, Walter, and Stigler. 3,009,073.
Dudash, Michael A. 2,999,708.
Duer, Morris J., and Truxell. 2,976,863.
Dully, Floyd I., and Umanos. 3,004,788.
Dupler, William W., and Gustairs. 2,991,940.
Dutchik, Victor H. 2,981,387.
Dutton, Harold R., and Schwallie. 2,992,476.
Eder, Virgil K. 3,010,843.
Edgley, William C. 2,968,195.
Egbert, William F. 2,982,089.
Egbert, William F., and Wiese. 2,974,477.
Ehlke, Edward C. 3,006,373.
Elfes, Donald B., and Murphy. 2,994,312.
Elliott, Harold V., and Canady. 2,984,804.
Else, John G. 2,981,480.
Engle, Robert W. 3,014,398.
Erickson, Anton F. 3,008,546.
Erickson, Anton F. 3,013,393.
Erwin, Wesley S. 2,972,882.
Eshbaugh, Jesse E. 2,968,421.
Eshbaugh, Jesse E. 2,981,095.
Eshbaugh, Jesse E., and McDougal. 2,979,172.
Eshbaugh, Jesse E., and Schultz. 2,988,910.
Eshkoanian, James. 2,996,296.
Etchells, Eugene B., Kolbe, and Barr. 2,983,335.
Etchells, Eugene B., Kolbe, and Barr. 2,988,081.
Etchells, Eugene B., Kolbe, and Barr. 3,014,554.
Ewert, Bruno. 2,983,328.
Ewing, Charles W. 3,006,790.
Fabbro, Emil N., Nowakowski, and Wilkin. 3,008,508.
Faiver, Kenneth E., and Perkins. 3,013,812.
Faiver, Kenneth E., and Watt. 2,972,391.
Falberg, Robert F. 2,985,378.
Falberg, Robert F. 2,988,873.
Falberg, Robert F. 2,997,994.
Falge, Robert N. 2,979,603.
Falge, Robert N., and Barcus. 3,013,392.
Farrell, John M., and Weller. 2,976,459.
Ferchland, Harold W. 2,972,485.
Finsterwalder, Carl J. 3,003,074.
Flanigan, Eugene E., and Zeek. 2,976,683.
Flaningam, Lewis A., and Ruhl. 2,985,779.
Flaugh, Oren F., Hirsch, and Mansfield. 3,003,567.
Fletcher, William A., and Todd. 3,002,259.
Fletcher, William A., Todd, and Moore. 2,989,928.
Flowers, Charles E. 3,003,425.
Flowers, Fred C. 2,977,248.
Fodrea, James W. 3,003,360.
Fogt, Thomas H. 2,988,263.
Force, John B. 2,991,429.
Ford, Bill J., Guyton, Jenkins, and Manahan. 2,972,119.
Foster, Michael R., and Taylor. 3,008,427.
Fowler, F. Robert J. 2,987,887.
Fox, Harold E., and Kennedy. 3,013,442.
Fox, Robert M. 2,989,333.
Francis, Philip L. 2,998,244.
Francis, Philip L. 3,003,758.
Frank, Mark H. 2,969,718.
Frank, Mark H. 3,009,554.
Frank, Wilhelm. 3,014,381.
Frei, Arthur J. 2,971,346.
Frei, Arthur J. 3,001,381.
Frei, Arthur J., and Kniffin. 3,003,329.
Frey, Edward J. 2,975,626.
Frick, Charles H. 2,968,193.
Frick, Charles H., Hauley, and Schwartz. 3,014,475.
Friedmann, Gerald L. 2,994,193.
Fritz, William E. 2,985,778.
Froberger, Charles F. 2,997,759.
Froberger, Charles F. 3,004,312.
Funkhouser, Mearick, and Savage. 3,005,109.
Gaither, Raymond A. 2,997,357.
Galin, Robert. 2,991,931.
Galonska, David A. 3,006,212.
Galonska, David A., and Gobble. 2,995,948.
Gardiner, Arthur W. 2,996,881.
Garvey, Louis P. 2,982,335.
Garvey, Louis P., and Schamel. 2,983,545.
Gaubatz, Arthur W. 2,983,530.
Gaugler, Richard S. 2,969,515.
Gaugler, Richard S. 2,971,546.
Gaugler, Richard S., Schlotterbeck, and Schultz. 2,981,076.
Gelenius, Robert B., and Ressegule. 2,995,949.
Gelfand, Louis, and Long. 2,985,003.

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Gelfand, Louis, and Smith. 3,002,731.
Geyer, Howard M. 2,970,573.
Geyer, Howard M. 2,970,574.
Geyer, Howard M. 2,971,496.
Geyer, Howard M. 2,979,034.
Geyer, Howard M. 3,000,357.
Geyer, Howard M. 3,003,470.
Gill, Donald H. 2,970,287.
Gilliland, Harry J., and Jones. 2,982,480.
Gilson, Joseph H., and Husko. 2,992,042.
Glover, Earl W. 2,981,084.
Glover, Earl W. 2,983,119.
Glowzinski, Chester J., and Rosalik. 2,970,209.
Gold, John, and Wilkinson. 2,998,343.
Goodwin, Richard M., Imler, and Thompson. 3,006,058.
Goodzeit, Carl L. 2,994,606.
Gordley, Jerry H. 3,003,319.
Gordon, Dwight M., and Majewski. 2,976,743.
Gorsky, Rudolph J. 2,977,821.
Gould, Richard E. 2,976,577.
Gould, Richard E. 2,989,854.
Grabowski, Leonard R. 2,995,947.
Graeber, Richard N., and Wanttaja. 2,977,843.
Graham, Robert W. 2,978,586.
Greene, Joseph L., and Holzwarth. 2,970,065.
Greene, Paul B., Mewhinney, and Wirtz. 2,988,291.
Greenley, Harold H., and Smith. 2,968,764.
Griswold, Charles J., Jr., and Leslie. 2,992,032.
Gruendler, Erich. 3,006,594.
Guernsey, Robert W., Mason, and Wall. 3,001,760.
Gustairs, John A. 3,014,459.
Guyton, James H., Jenkins, and Buell. 2,970,212.
Guyton, James H., and Scott. 2,983,815.
Guyton, James H., Votava, Jenkins, and Dodge. 2,981,836.
Hackett, William S., and Bartsch. 2,976,589.
Haefner, Raymond J., and Ransom. 2,997,992.
Hahn, Kent L. 2,978,166.
Hahn, Rea I., Frank, and Mowers. 2,998,125.
Hale, Clifford E. 3,008,755.
Hall, Russell S. 2,972,441.
Hall, Russell S. 2,991,005.
Hall, Russell S. 3,000,183.
Hames, William A., and Brombaugh. 3,003,980.
Hammond, Almerion J. 3,003,800.
Hanink, Dean K. 2,970,091.
Hanink, Dean K. 3,004,864.
Hanink, Dean K., and Holzwarth. 3,010,198.
Hanink, Dean K., and Price. 3,000,755.
Hanink, Dean K., and Shoudy. 2,971,899.
Hansen, Kai H. 2,988,162.
Hara, Raymond H. 2,979,126.
Harding, William R. 3,013,437.
Harmon, Kenneth B., and Tuck. 2,969,694.
Harper, Ernest V. 2,968,713.
Harper, Ernest V. 3,013,532.
Harris, Edward P., and Wall. 2,980,167.
Harris, Jesse T. 3,003,172.
Harrold, Marshall C. 2,969,663.
Harry, Gordon W. 2,996,190.
Harry, Gordon W., and Pierce. 2,988,102.
Hart, John G. 2,974,341.
Hart, John G. 2,985,904.
Haskell, John W. 2,998,533.
Hause, Gilbert K. 2,974,768.
Hause, Gilbert K. 2,983,160.
Hause, Gilbert K. 3,006,148.
Hauser, Robert L. 2,969,779.
Hay, Charles N. 2,987,850.
Hayes, William S. 2,992,419.
Hazard, Albert C. 2,974,986.
Heckendorf, Howard A. 3,014,764.
Heidorn, John H. 2,975,613.
Heidorn, John H. 2,978,879.
Heidorn, John H. 3,006,160.
Heitzman, Edward J. 2,995,382.
Helgeson, Virgil L., and Brantner. 2,995,984.
Helgeson, Virgil L., and Loper. 2,985,365.
Helgeson, Virgil L., and Loper. 2,985,373.
Helgeson, Virgil L., and Loper. 2,988,816.
Helgeson, Virgil L., and Loper. 2,988,960.
Helgeson, Virgil L., and Loper. 2,995,985.
Helka, James M. 2,987,962.
Herndon, Walter B., and Moore. 2,983,164.
Herr, Lewis E. 2,988,161.
Hetzler, Lewis R., and Sheldrake. 2,992,381.
Hetzler, Lewis R., and Sheldrake. 2,992,382.
Hetzler, Lewis R., and Kirk. 2,992,383.
Hezler, Julius, Jr. 2,987,979.
Hezler, Julius, Jr. 2,989,338.
Hicks, Robert D., and Grahn. 2,973,236.
Himka, John. 2,969,077.
Himka, John. 2,974,998.
Hirsch, Richard A., and McNamara. 2,969,685.
Hoag, William G., and Liem. 2,994,451.
Holin, William F. 2,968,371.
Hollar, Arthur W., Jr. 2,980,945.
Hollar, Arthur W., Jr. 3,006,214.
Holls, David R. 2,970,290.
Hopkins, Joseph H., and Van Slyke. 2,989,723.
Horvath, William J. 3,014,267.
Howard, Harold L. 2,974,752.
Howell, George H. 2,968,064.

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Hsu, Ming C., and Stallard. 2,982,456.
Hsu, Ming C., and Stallard. 2,991,216.
Hull, Raouel B. 3,004,644.
Hunt, Albert L., Jr. 2,982,518.
Hutchinson, Roland V., Forbush, Winston, and Zimmerman. 2,986,237.
Irwin, Edmund M., Keetch, and Wright. 3,003,314.
Isbell, Donald K. 2,970,673.
Jacobs, James W. 2,980,120.
Jacobs, James W., and Harnish. 2,980,480.
Jackson, George W. 2,992,819.
Jackson, George W., and Dafler. 3,006,363.
Jacobs, James. 3,006,557.
Jacobs, James W. 3,010,288.
Jacobs, James W., and Suttman. 3,007,479.
Johnson, Ralph H. 2,970,020.
Johnston, John R. 2,970,463.
Johnston, Robert J., Jr. 3,014,374.
Johnstone, Theodore H., and Shrode. 3,010,758.
Jorgensen, Clarence H., and Nickel. 2,991,655.
Julian, Lawrence E. 2,985,781.
Katz, Edwin F. 2,971,407.
Katz, Edwin F. 3,004,221.
Keck, Edward, and Frank. 2,997,901.
Keetch, Robert C. 2,983,287.
Kell, Nathaniel B. 3,003,592.
Kelley, Oliver K. Re. 24,947.
Kelley, Oliver K. 2,968,379.
Kelley, Oliver K. 2,972,498.
Kelley, Oliver K. 2,981,122.
Kelley, Oliver K. 2,981,124.
Kelley, Oliver K. 2,981,126.
Kelley, Oliver K. 2,995,955.
Kelley, Oliver K. 2,999,400.
Kelley, Oliver K. 3,010,342.
Kelley, Oliver K., and Hause. 2,995,215.
Kelley, Oliver K., Hause, and Wrigley. 3,008,171.
Kelley, Oliver K., and Lewis. 3,006,206.
Kellogg, George E., and Bauman. 2,968,155.
Kellogg, George E., and Bauman. 2,969,046.
Kellogg, George E., and Kenrick. 3,010,772.
Kern, Luther N. 2,968,372.
Kevelin, Bruce E., Redo, and Willett. 2,988,129.
King, Jack B. 3,004,810.
King, Kenneth K. 3,001,386.
King, Kenneth K., and Schultz. 3,003,831.
King, William F. 2,988,918.
Kinsey, Claude J. 2,991,649.
Kinsey, Claude J., and Volke. 3,008,768.
Kirk, Robert E. 2,982,939.
Kirk, Thomas E. 3,003,803.
Knickerbocker, Robert H., and Redding. 2,981,351.
Kniffin, Walter G., Jr. 3,007,692.
Kolbe, Adelbert E. 2,968,293.
Kolbe, Adelbert E. 2,969,781.
Kolbe, Adelbert E. 2,974,655.
Kolbe, Adelbert E. 2,974,660.
Kolbe, Adelbert E. 2,982,150.
Kolbe, William H., and Sagady. 2,988,345.
Kolbe, William H., and Zwolak. 2,991,778.
Konopka, Joseph. 2,977,626.
Koss, Stephen G., and Tanguay. 2,994,111.
Kronenberger, Paul E., and Saunders. 3,006,166.
Kuhn, Albert J., and Rector. 2,969,959.
Kuntz, Glenn C. 2,991,598.
Kunzog, Theodore W. 3,000,370.
La Flame, Frank E., and Rifner. 3,003,837.
Larkin, Robert G., Peterson, and Schnepel. 2,971,613.
Larkin, Robert G., Peterson, and Schnepel. 3,001,587.
Larson, William B., Thomson, and Webbere. 2,978,320.
Lash, Joseph F. 2,981,112.
Laviana, Donald W. 2,992,370.
Laviana, Donald W. 3,002,060.
Laviana, Donald W. 3,015,002.
Laviana, Donald W., and Barton. 3,011,034.
Layton, John M. 3,006,088.
Leach, Clayton B., and Ostrander. 2,979,357.
Leslie, James D. 2,981,561.
Leslie, James D., and Sauer. 2,969,976.
Levy, Irving M. 2,999,953.
Levy, Irving M. 2,999,954.
Levy, Irving M. 2,999,955.
Levy, Irving M., Savage, and Flora. 2,990,112.
Liebreich, Oscar P. 2,969,670.
Lincoln, Clovis W. 2,971,787.
Livezey, William G. 2,981,103.
Lobdell, Wallace A., and Templin. 2,988,074.
Lohr, Thomas E. 3,004,757.
Long, George B. 2,988,432.
Long, Paul J., Jr. 3,007,550.
Lowe, Charles E. 2,972,116.
Loy, Fred W. 3,006,062.
Lynch, William H., Vento, and Barker. 2,977,257.
MacCallum, Edward. 3,004,282.
MacCallum, Edward. 3,004,643.
MacCallum, Edward. 3,006,444.
Manahan, Max J. 2,989,688.
Manahan, Max J. 3,001,067.
Manahan, Max J. 3,012,194.
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Mann, Leonard J. 3,000,186.
Mann, Leonard J., and O'Connell. 3,004,400.
Mann, Leonard J., O'Connell, and Wurtz. 3,004,401.
Mann, Leonard J., Robbins, and Wurtz. 2,994,209.
Marquis, Donald P. 2,978,886.
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Martin, Edward J. 3,012,144.
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Matter, Robert C., and Landon. 2,980,562.
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Matthews, Hugh B. 3,008,681.
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Mazzarins, Janis. 3,013,844.
McCarty, Verle E. 2,987,588.
McClure, Robert I. 2,992,041.
McClure, Robert I. 2,994,555.
McCormick, Hamilton L. 2,972,470.
McCullough, Douglas G., and Lottridge. 3,001,870.
McDonnold, LeRoy. 2,992,315.
McDowall, Charles J. 3,014,741.
McDuffie, Archie D. 2,989,065.
McDuffie, Archie D. 2,997,961.
McDuffie, Archie D., and Scoville. 3,014,974.
McGregor, Ralph. 2,968,961.
McKenna, Howard W. 3,011,122.
McNamara, Lawrence V. 2,996,123.
Meador, Jay D. 3,011,004.
Meredith, Neil F., and Schwartzwalder. 2,969,582.
Merkle, Ralph H. 2,991,804.
Meyer, Barthold F. 2,983,307.
Meyer, Barthold F., and Toruk. 2,968,703.
Mick, Stanley H. 2,968,473.
Mick, Stanley H. 2,991,985.
Mick, Stanley H. 2,996,051.
Miller, James L. 2,981,083.
Miller, James L. 3,001,295.
Miller, Justus. 2,987,984.
Miller, Lester M. 2,990,062.
Milliken, William F., Jr., and Whitcomb. 3,011,579.
Milner, Wilfred R. 2,991,109.
Milner, Wilfred R. 2,991,110.
Mitchel, Ralph H., and Schwyn. 2,975,339.
Mitter, Laurence J. 2,991,990.
Moeller, John D., Scarff, and Sturm. 2,986,094.
Moore, James W. 2,983,547.
Moore, Kenneth R., Hexamer, Julian, Whiteman, and Schelton. 3,010,042.
Moore, Victor C. 2,995,956.
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Morrish, Leonard M., and Muller. 2,985,252.
Moyer, Elton S. 3,008,548.
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Mustonen, Reino H. 2,990,617.
Mustonen, Reino H., Colten, and Wanttaja. 2,992,375.
Naudzius, Edward J. 2,999,566.
Neff, Robert M. 2,975,817.
Neir, Theron E. 2,988,071.
Nelson, Corless B. 2,996,019.
Neyhouse, George A., Savage, and Shewmon. 2,981,089.
Neyhouse, George A., Savage, and Shewmon. 2,989,654.
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Onksen, George W., Miller, and Skinner. 2,991,069.
Onksen, George W., Skinner, and Miller. 2,994,525.
Osborn, Don R., Jr., and Rogers. 2,983,136.
Panasewicz, Anton Z. 2,977,817.
Parker, Leland C. 3,000,321.
Pearce, George C. 3,009,458.
Percival, Worth H. 2,983,267.
Perin, Warren G., and Peterson. 2,983,029.
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Pierce, Earl R. 2,981,371.
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Pontis, William G. 3,013,736.
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Priestman, Bewley D., and Sandor. 2,985,477.
Primeau, George H. 2,977,139.
Probst, Delbert C. 2,998,246.
Qualman, Jack W., and Moore. 2,987,941.
Rademacher, Gustav F. 2,988,663.
Ragsdale, La Verne B. 2,970,015.
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Rausch, John T. 2,991,770.
Reichardt, Mayo M. 2,968,133.
Reid, John D. 3,011,580.
Reindl, Harold J. 2,975,755.
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Rohr, Henry C. 2,971,785.
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Rosenkrands, Johannes. 2,981,353.
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Ruley, Bryce T. 2,975,008.
Ryck, Francis M. 2,977,141.
Ryck, Francis M. 2,983,532.
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Sampson, Frederick W. 2,987,145.
Sampson, Frederick W. 3,013,637.
Sand, Darrel R. 2,977,766.
Sand, Darrel R. 3,004,447.
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Saunders, Orson V. 2,975,616.
Saunders, Orson V. 2,975,619.
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Sazynski, John J., and White. 2,970,256.
Schilling, Robert, Owen, and Jackson. 2,987,311.
Schjolin, Hans O. 2,976,965.
Schjolin, Hans O., and Isbell. 2,968,368.
Schmitz, Harry W. 2,977,623.
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Schrader, William J. 2,991,775.
Schubring, Norman W., and Fitch. 2,977,544.
Schultz, Melvin A. 2,985,030.
Schultz, Raymond J. 3,001,387.
Schultz, Werner F. 2,989,644.
Schultze, Harold E. 2,984,321.
Schwartzwalder, Karl, and Schwyn. 2,992,353.
Scott, Leslie E. 2,984,743.
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Seling, Theodore V. 2,975,383.
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Shewmon, Ralph K. 2,975,528.
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Shipe, Paul J. 2,992,136.
Short, Brooks H. 2,977,507.
Short, Brooks H. 2,980,093.
Short, Brooks H. 2,980,822.
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Short, Brooks H., and Johnson. 3,015,009.
Short, Brooks H., and Sprague. 2,977,506.
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Sigvardsson, Bejron K. G. 3,001,719.
Simmons, Edward C., and Smith. 3,013,399.
Simmons, Milton E., Finsterwalder, and Terkoski. 2,982,873.
Simpson, William E. 2,992,448.
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Sinko, Henry. 3,013,843.
Sisson, Kenneth O. 2,987,904.
Sisson, Kenneth O. 2,995,916.
Sisson, Kenneth O., and Barbulesco. 2,974,542.
Sisson, Kenneth O., and Billings. 2,976,710.
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Skinner, Kenneth R. 2,968,688.
Smith, Robert F. 2,978,999.
Smith, Robert W. 2,988,662.
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Somerville, Alexander. 2,979,617.
Spears, Esten W., Jr., and Given. 3,004,385.
Stigler, Willard R., and Drabik. 2,990,487.
Stiles, Richard C. 2,985,782.
Stoltman, Donald D. 2,968,476.
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Stone, Milton C. 2,977,756.
Strozik, Conrad J. 2,977,818.
Stultz, Charles S. 2,997,291.
Stutrud, Lynn O. 2,992,309.
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Swanson, Gordon R., and Wozena. 2,979,327.
Swenson, Ernest L. 3,008,855.
Swiecicki, Adolph J. 3,014,743.
Teasell, Ronald H. 3,007,062.
Thiessen, Elmer E. 2,979,432.
Thomas, Herman J. 2,996,210.
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Thornburgh, William F. 2,996,145.
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Todd, Edwin T. 3,008,694.
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Townsend, Don G. 2,971,042.
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Trible, Clayton J. 2,988,943.
Trimble, Philip K. 2,985,833.
Trimble, Philip K. 3,001,405.
Tsang, Chi M. 2,983,565.
Tuck, Harvey R. 2,991,628.
Tuck, Robert M. 3,000,319.
Tuck, Robert M., and Fisher. 2,978,928.
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Underwood, Arthur F. 2,994,394.
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Vanator, George M. 2,983,141.
Van Slooten, Louis J. 3,011,485.
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Vogt, Lindbergh C. 2,989,646.
Vosler, Edward J. 2,968,381.
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Wagner, Elmer R. 2,971,770.
Walker, Harry A. 2,992,545.
Walko, John A. 2,968,189.
Wallace, James A., and Nolder. 2,975,013.
Wanlass, Bert R. 3,004,448.
Wanner, Joseph W. 3,002,469.
Waydak, Anthony. 2,988,068.
Weberman, Louis. 2,978,009.
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Weinman, Eric W. 2,977,673.
Weiss, Irwin K., Mair, Jackman, Brown, and Sayers. 2,978,253.
Weller, Edward F., Jr. 3,010,313.
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Welsh, Harvey W. 3,000,613.
Welsh, Harvey W. 3,000,614.
Welsh, Harvey W. 3,001,759.
Welsh, Harvey W. 3,011,522.
Wening, Herman E. 2,980,569.
Wente, Robert J. 2,978,034.
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Widmer, Paul. 2,987,754.
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Wight, Robert D. 2,984,997.
Wilson, Douglas G. 3,006,213.
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Wilsted, Harold D. 2,993,338.
Winchell, Frank J. 3,003,367.
Winchell, Frank J. 3,003,368.
Winchell, Frank J. 3,004,452.
Winchell, Frank J., and Kelley. 3,008,349.
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Witte, Roy. 2,976,735.
Wojciechowski, Mieczyslaw. 2,975,459.
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Wolfe, John S. 2,980,475.
Wood, William P. 3,011,581.
Woofter, Robert C. 2,989,724.
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Wrigley, Clifford C. 2,987,346.
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Wroby, John S. 2,989,330.
Wuellner, Clarence R. 3,009,445.
Wurtz, Clifford H. 2,991,630.
Wurtz, Clifford H., Miller, and Mann. 2,982,115.
Wyczalek, Floyd A. 2,969,780.
Wysong, Paul V., Jr. 2,988,059.
Wysong, Paul V., Jr. 2,997,962.
Young, Kenneth W., and Flatt. 2,986,125.
Zeigler, Philip B., White, and Schultz. 2,992,013.
Zerhan, Peter, Jr. 2,982,324.
Ziegler, Eugene R. 2,979,751.
Ziegler, Eugene R. 2,997,727.
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General Plastics Corp.: *See*—
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Crabb, Merle W. 3,000,112.
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Fogarty, Laurence E. 2,967,018.
Fogarty, Laurence E. 2,986,821.
Fogarty, Laurence E. 2,987,255.
Fraser, Julius T. 2,967,280.
Fraser, Julius T. 2,994,787.
Fromer, Morton, Kemka, and Lennox. 3,005,939.
Gevas, James C. 2,971,141.
Goldman, David A. 3,011,715.
Gray, John W. 2,983,448.
Gray, John W., and Tull. 3,007,338.
Gut, Stanley J. 2,978,914.
Hemstreet, Harold S. 2,975,670.
Hemstreet, Harold S. 2,975,671.
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Kaufmann, John, and Hayes. 2,977,841.
Kent, Henry J. 2,970,237.
Lewis, William J., and Krupick. 2,985,021.
Luhrs, Charles H. 2,983,883.
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McKay, Michael W., and Goldsmith. 2,994,866.
Nash, Robert W. 3,002,291.
Opocensky, Willard J. 2,980,327.
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Paradise, Ronald Y. 3,011,076.
Perrine, Warren L. 2,968,945.
Rearwin, Richard H. 2,967,301.
Rearwin, Richard H. 2,983,920.
Riebling, Walter G. 2,990,012.
Riedel, Richard H. 2,995,809.
Roberti, Joseph M. and V. V. 2,996,650.
Robinson, Edward J. 3,012,183.
Rolfs, John C. 2,980,869.
Sakson, Paul J. 3,004,199.
Saltzman, Henry, and Westheimer. 3,008,142.
Schmid, Herman. 2,973,146.
Schmid, Hermann. 2,997,235.
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Schwarm, Edward G. 3,003,252.
Scism, William A., Huntington, Lurie, and Sternfeld. 2,994,865.
Seidman, Herbert A. 3,004,174.
Stavis, Gus. 3,003,117.
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Thomas, Thomas J. 2,988,719.
Thomas, Thomas J. 3,003,476.
Walker, Russell, and Liss. 2,993,200.
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Washburne, Brenton P. 2,981,944.
Wolinsky, Albert. 3,003,142.
Wolman, Lane L. 2,977,582.
Zaleski, John F. 2,980,870.
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Judge, Thomas J., and Swane. 2,976,402.
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Eater, Theodore D. 2,973,954.
Lich, Richard L. 2,968,258.
Lich, Richard L. 2,968,259.
Lich, Richard L. 2,977,897.
Lich, Richard L. 2,981,206.
Lich, Richard L. 2,988,015.
Lich, Richard L. 2,988,375.
Travilla, James C. 2,994,284.

General Steel Industries, Inc.: *See*—
Lich, Richard L. 3,012,521.
Lich, Richard L. 3,012,624.
Lich, Richard L. 3,014,735.
Stein, Robert E. 3,013,507.
Travilla, James C., and Zach. 3,014,435.

General Steel Products Co., Inc.: *See*—
Hoffman, Frank D., Jr. 2,968,339.

General Strapping Corp.: *See*—
Ripley, Mills N. 2,972,844.

General Supply Co.: *See*—
Ortega, William, Jr., and Webb. 2,968,433.

General Time Corp.: *See*—
Beiser, Elmer H., and Eme. 2,977,433.
Black, William A., and Millard. 2,967,715.
Byrnes, William P. 3,002,139.
Byrnes, William P., and Witte. 3,002,138.
Douglass, Paul W. 2,970,427.
Fisher, Earl M., and Hamway. 2,993,806.
Gmitter, George T., and Maxey. 2,993,869.
Jauch, Christian M. J. 2,997,884.
Kramer, Richard. 2,974,473.
Rast, Frederick Q. 2,972,222.
Reynolds, Andrew C., Jr. 2,997,702.
Reynolds, Andrew C., Jr. 3,011,078.
Reynolds, Andrew C., Jr. 3,015,094.

General Tire and Rubber Co., The: *See*—
Baker, Walter S., and Dodge. 2,971,419.
Dodge, Howard M. 3,003,576.
Elmer, Otto C. 2,999,851.
Gruber, Elbert E., and Kalafus. 2,999,830.
Henley, Virgil E. 2,979,110.
Henley, Virgil E. 3,010,868.
Hutch, Harry L. 3,004,579.
Juhas, Michael. 2,987,929.
Kraft, Herman T. 2,974,714.
McKinney, Carlos J. 3,005,658.
Pfau, Emert S., Swart, and Weinstock. 2,993,023.
Pfau, Emert S., Swart, and Weinstock. 2,999,822.
Pfeiffer, Paul O. 2,991,815.
Pfeiffer, Paul O., Slemmons, and Hertz. 3,006,306.
Salem, Samuel, and Anderson. 2,976,202.
Salem, Samuel, and Spelman. 3,002,228.
Shaw, Sherman W., and Alt. 2,994,360.
Slemmons, Charles O., and Bordenkircher. 3,010,715.
Slemmons, Charles O., and Haught. 3,008,703.

General Tool of Kalamazoo Inc.: *See*—
Mills, Allen M. 2,990,132.

General Ultrasonics Co., The: *See*—
Rich, Stanley R. 2,995,347.

General Zipper Corp.: *See*—
Scheuermann, Otto G. 2,989,751.

Genesco, Inc.: *See*—
Glassman, Joel. 2,984,918.
Richards, William J. 3,007,262.

Geneslay, Raymond H. J., to Compagnie Generale de Geophysique. Self-directing seismograph. 3,011,147, 11–28–61, Cl. 340—17.

Genetic Giant AG.-Products Co.: *See*—
Rousek, Ernest J. 2,975,936.

Geneva Sport Watch Ltd.: *See*—
Ducommun, Georges. 2,976,672.

Genge, Gordon M., & Co., Inc.: *See*—
Vlier, Blaine H., Jr. 2,979,158.

Gengenbach, Otto, and H. Schene, to Daimler-Benz Aktiengesellschaft. Control arrangement for electrostatic spray installation. 2,966,880, 1–3–61, Cl. 118—8.

Gengenbach, Otto, and K. A. Fleisch, to Daimler-Benz Aktiengesellschaft. Electrostatic coating apparatus. 3,001,504, 9–26–61, Cl. 118—2.
Gengler, Francis T. Aircraft exhaust thrust augmenter with an oil breather tube. 2,969,940, 1–31–61, Cl. 244—53.
Genich, William H., to J. W. Greer Co. Candy extruding machine. 2,969,026, 1–24–61, Cl. 107—29.
Genie-Air, Inc.: *See*—
Miller, Bryce H. 3,012,495.
Genie Products Co.: *See*—
Placek, Eugene W. 2,998,799.
Geniesse, Donald J., to Sun Oil Co. Damper control system for process heaters. 2,980,334, 4–18–61, Cl. 236—14.
Genisco, Inc.: *See*—
Brown, Ralph E. 2,981,119.
Gindes, Philip, and Hughes. 2,976,734.
Linn, Jerome S. 2,971,165.
Genning, Ernst, to Protona Produktionsgesellschaft fur electro-Akustisch Gerate G.m.b.H. Switching arrangement for eliminating noise in a tape recording and reproducing system. 2,971,063, 2–7–61, Cl. 179—100.2.
Genning, Ernst, to Protona Produktionsgesellschaft fur elektroakustische Gerate G.m.b.H. Arrangement of spools in a wire stock replacement unit for magnetic sound recording and reproducing apparatus. 2,994,535, 8–1–61, Cl. 274—4.
Genovese, Anthony L., to The National Plastic Products Co. Curling fibers. 2,980,959, 4–25–61, Cl. 18—19.
Gens, Theodore A., to United States of America, Atomic Energy Commission. Method for dissolving zirconium-uranium compositions. 2,992,886, 7–18–61, Cl. 23—14.5.
Genser, Milton: *See*—
Barson, Fred, and Genser. 3,010,855.
Genser, Milton, to International Business Machines Corp. Semiconductor connection fabrication. 2,974,072, 3–7–61, Cl. 148—1.5.
Gensheimer, Christian: *See*—
Gensheimer, Heinrich and C. and V. 3,012,645.
Gensheimer, Heinrich and C. and V.. Ratchet-type friction coupling with clamping rollers. 3,012,645, 12–12–61, Cl. 192—45.
Gensheimer, Valentin: *See*—
Gensheimer, Heinrich and C. and V. 3,012,645.
Genski, Kurt: *See*—
Muhlhausen, Cornelius, and Genski. 2,981,719.
Gensman, Lee R., to Monarch Forge & Machine Works, Inc. Motor control system. 2,999,197, 9–5–61, Cl. 318—29.
Gent, Edgar W., and W. W. Werring, to Bell Telephone Laboratories, Inc. Machine for embedding beads in a sheet. 2,975,822, 3–21–61, Cl. 154—1.
Gent, Hubert: *See*—
Jones, Spencer S. D., Gent, and Browne. 2,986,734.
Genta, Guido R., to Allied Chemical Corp. Process for the halogenation of pigment and vat dye intermediates. 2,995,552, 8–8–61, Cl. 260—265.
Genter, Albert H. Feeder tap. 2,977,441, 3–28–61, Cl. 200—115.5.
Genter, Albert L., R. R. and R. M. Kennedy. Settling tank. 2,973,866, 3–7–61, Cl. 210—519.
Genter, Emil: *See*—
Fain, Doyle F., and Genter. 2,969,207.
Gentile, Anthony J., and C. Porter, to American Cyanamid Co. Non-fibrous regenerated cellulose film containing anchoring-plasticizing agent. 2,980,554, 4–18–61, Cl. 117—76.
Gentile, Charles J., to Bristol-Myers Co. Ball applicator dispensers. 2,998,616, 9–5–61, Cl. 15—572.
Gentle, Alexander H.: *See*—
Richmond, Alfred, Pool, and Gentle. 3,010,270.
Gentle, Golden T. Pouring spouts for concrete. 2,973,110, 2–28–61, Cl. 214—17.
Gentry Division, Consolidated Foods Corp.: *See*—
Philbrook, Herbert E. 2,996,092.
Gentry, Hermond G., to The Mead Corp. Means for feeding paperboard blanks. 2,973,201, 2–28–61, Cl. 271—12.
Gentry, Hermond G., to The Mead Corp. Means for placing inserts between continuously traveling articles during packaging thereof. 2,981,042, 4–25–61, Cl. 53—157.
Gentry, Hermond G., to The Mead Corp. Means for positioning objects while traveling continuously during packaging. 2,996,169, 8–15–61, Cl. 198—162.
Gentry, Merle O. Sanitary rectal fountain. 2,995,759, 8–15–61, Cl. 4—7.
Gentry, Robert H., Jr., and S. F. Micheletti, to Standard Oil Co. Continuous viscosimeter utilizing a thermistor. 2,986,925, 6–6–61, Cl. 73—54.
Gentry, Robert S.: *See*—
McSpadden, Joseph W. 2,992,499.
Genuit, Luther L., to General Electric Co. Dimming circuit and apparatus for gaseous discharge lamps. 2,988,670, 6–13–61, Cl. 315—98.
Geocaris, Robert S., to Thomas Industries, Inc. Lighting and ventilating system. 3,010,378, 11–28–61, Cl. 98—33.
Geoffroy, Henri F. Conveyor. 2,971,633, 2–14–61, Cl. 198—178.
Geohegan, William A.: *See*—
Richards, Charles H., and Geohegan. 2,977,526.
Geolectronics Inc.: *See*—
Freedman, Samuel. 2,991,411.
Geological Research Corp.: *See*—
Melton, James O. 2,980,486.
Melton, James O. 2,981,102.
Melton, James O. 2,986,932.
Melton, James O., and Carpenter. 3,010,777.
Geophysical Research Corp.: *See*—
Wolf, Alfred. 2,993,555.
Geophysical Specialties Co.: *See*—
Kaasa, Robert A. 2,980,884.
George, Bernard L. Feather duster. 2,984,852, 5–23–61, Cl. 15—144.
George, Charles B.: *See*—
Kahler, Harry L., and George. 2,999,732.
George, Franklin, to General Railway Signal Co. Selective radio communication between way stations and control office. 3,001,063, 9–19–61, Cl. 246—7.
George, Harry F. Tumbler lock and key. 2,982,121, 5–2–61, Cl. 70—363.
George, Harry F. Latching mechanism. 3,009,347, 11–21–61, Cl. 70—146.
George, Hayden R., and N. B. Fisher. Sewing machine stand. 2,980,045, 4–18–61, Cl. 112—258.
George, Henry H.: *See*—
Ulm, Paul D., and George. 2,994,494.
George, Henry H., to United States of America, Navy. Roll stabilization system. 2,991,470, 7–4–61, Cl. 343—100.
George, Henry H., to United States of America, Navy. Microwave modulating attenuator roll stabilization system. 2,997,255, 8–22–61, Cl. 244—14.
George, Henry H., to United States of America, Navy. Automatic error sensitivity control for radar receiver. 2,999,238, 9–5–61, Cl. 343—108.
George, Herbert E., and A. E. Coupland, to George & Miller Ltd. Web feeding and control device for printing machines. 2,967,479, 1–10–61, Cl. 101—228.
George, James, to National Co., Inc. Beam intensity control system. 3,005,121, 10–17–61, Cl. 313—63.
George & Miller Ltd.: *See*—
George, Herbert E., and Coupland. 2,967,479.
George, Philip D.: *See*—
Di Giorgio, Philip A. 2,986,874.
Di Giorgio, Philip A. 2,986,875.
George, Robert H., to Brakemaster Corp. Tractor brake system protective valves. 3,006,368, 10–31–61, Cl. 137—614.2.
George, Van. Card rack divider with clip. 3,002,632, 10–3–61, Cl. 211—184.
George, Walter C., to Crown Zellerbach Corp. Container. 2,998,182, 8–29–61, Cl. 229—65.
George, Walter C., to Crown Zellerbach Corp. Container. 3,007,622, 11–7–61, Cl. 229—23.
George, Walter C., and R. B. Thimmig, Jr., to Crown Zellerbach Corp. One piece multi-trip rectangular container. 2,990,999, 7–4–61, Cl. 229—44.
George, Walter C., and R. B. Thimmig, Jr., to Crown Zellerbach Corp. Container with mechanical cover lock. 2,994,468, 8–1–61, Cl. 229—45.
George, Warren T., Sr. Bowling training alley. 3,009,268, 11–21–61, Cl. 35—29.
George, William C., and D. D. Riggs, to Designers for Industry, Inc. Measuring device. 3,015,062, 12–26–61, Cl. 324—34.
Georgeff, Vasil: *See*—
Danly, James C., and Georgeff. 3,011,464.
Danly, James C. and J. R., Georgeff, and Krauss. 2,984,880.
Danly, Philo H., and Georgeff. 2,969,871.
Georgeff, Vasil, to Danly Machine Specialties, Inc. Readily changeable die assembly for power presses. 2,996,025, 8–15–61, Cl. 113—49.
Georgen, Robert D., D. A. Johnson, and T. E. Landgren, to The Standard Register Co. Grey metallic selenium photocells. 2,975,387, 3–14–61, Cl. 338—17.
Georges, Felix, to Societe Auxiliaire d'Industrie (Sadi) S.P.R.L. Movement control means. 2,978,924, 4–11–61, Cl. 74—526.
Georges, Raymond. Internal combustion engines the compression ratio of which is adjustable in operation. 2,970,581, 2–7–61, Cl. 123—48.
Georges, Raymond E. Bladed wheels, more particularly for gas turbines. 2,981,517, 4–25–61, Cl. 253—77.
Georges, Raymond E. Internal combustion engines of the reciprocating piston type. 2,989,041, 6–20–61, Cl. 123—32.
Georgi, Heins W., to Well Surveys, Inc. Modulation system for casing collar locators. 2,985,822, 5–23–61, Cl. 324—34.
Georgia Kaolin Co.: *See*—
Conley, Robert F. 3,001,852.
Murray, Haydn H. 2,995,458.
Murray, Haydn H., and Johnson. 2,986,472.
Rowland, Ben W. 2,981,630.
Rowland, Ben W. 2,992,936.
Rowland, Ben W. 2,994,616.
Georgia Tech Research Institute: *See*—
Rumble, Lester, Jr., and Martin. 3,014,481.
Georgian Baby Products Co., Inc.: *See*—
Sullivan, John L. 2,991,786.
Georgian, Carl C., to The American Oil Co. Preparation of high octane number motor fuel blending stocks. 2,970,101, 1–31–61, Cl. 208—70.
Georgian, Carl C., and R. A. Wavering, to Pittsburgh Plate Glass Co. Conserving dihydric alcohol in the preparation of polyesters. 2,993,029, 7–18–61, Cl. 260—75.

Georgian, Vlasios, J. F. Kerwin, and M. E. Wolff, to Smith Kline & French Laboratories. Process for the preparation of 20-alkylamino steroid derivatives and novel 20-alkylamino steroid derivatives prepared thereby. 2,983,736, 5–9–61, Cl. 260—397.45.
Georgian, Vlasios, J. F. Kerwin, and M. E. Wolff, to Smith, Kline & French Laboratories. Process for the preparation of iminopregnenes novel steroid intermediates prepared thereby and novel 18,20-oxygenated steroid derivatives. 3,007,922, 11–7–61, Cl. 260—239.5.
Georgian, Vlasios, and A. Magnani, to The Julian Laboratories, Inc. Process for the preparation of 3-keto-Δ^4-20-alkylamino steroids. 3,013,026, 12–12–61, Cl. 260—397.3.
Geotex Corp., The: *See*—
Phillips, Oliver V. 3,005,525.
Gepner, Isadore: *See*—
Gilmont, Roger, and Gepner. 2,981,277.
Geppert, Donovan V., to Sylvania Electric Products Inc. Beam tube oscillator having electron reflecting means providing regenerative feedback. 3,005,962, 10–24–61, Cl. 331—81.
Geppert, Georg, to Technica Etablissement. Bucket wheel. 2,977,091, 3–28–61, Cl. 253—116.
Geraghty, Robert M., to E. D. Bullard Co. Safety hook. 3,003,214, 10–10–61, Cl. 24—241.
Gerald Carton Co.: *See*—
Dubey, William B. 3,004,656.
Gerard, Conrad. Stepless torque converter. 2,994,233, 8–1–61, Cl. 74—687.
Gerard, Deryck A.: *See*—
De Neergaard, Leif E. 2,996,625.
Gerard, George: *See*—
Zeitlin, Alexander, Gerard, and Brayman. 3,011,043.
Gerard, George. Radiator construction. 3,008,692, 11–14–61, Cl. 257—136.
Gerard, George A. Ink applying system. 2,967,480, 1–10–61, Cl. 101—364.
Gerbe, John: *See*—
Gerbe, John F. 2,990,049.
Gerbe, John F., 30% to J. P. Frank, 30% to H. Bardach, 5% to G. Frankentholer, 5% to H. Kohn, and 30% to J. Gerbe. Indexing and reading system. 2,990,049, 6–27–61, Cl. 198—38.
Gerber, Dale C., to The Hoover Co. Suction cleaner with cord reel. Re. 25,068, 10–31–61, Cl. 183—37.
Gerber, Hanni: *See*—
Matter, Max, and Gerber. 3,007,936.
Gerber, Herman. Apparatus for assembling and disassembling watch crystals. 2,994,949, 8–8–61, Cl. 29—210.
Gerber, Howard, to M. Martel. Reel insert. 3,014,672, 12–26–61, Cl. 242—55.18.
Gerber Products Co.: *See*—
Eolkin, Dave. 3,013,887.
Krupp, Robert F., and Wagner. 3,011,633.
Polete, Robert E. 3,009,203.
Gerber, Robert E., J. L. Markis, and R. E. Heltzel, to The Heltzel Steel Form & Iron Co. Concrete finishing machines. 3,009,400, 11–21–61, Cl. 94—45.
Gerber, Roger, to The New Britain Machine Co. Preselector for multiple-speed transmission. 2,986,950, 6–6–61, Cl. 74—335.
Gerber, Roger, to The New Britain Machine. Transmission. 3,008,339, 11–14–61, Cl. 74—394.
Gerbeth, Gerhart L., to The Goodyear Tire & Rubber Co. Rim. 3,003,538, 10–10–61, Cl. 152—405.
Gerbrandt, George. Rotatable tool supporting table. 3,004,571, 10–17–61, Cl. 144—288.
Gerby, Russell W.: *See*—
Forgeng, William D., and Gerby. 2,968,530.
Gercke, Ferdinand, R. L. Hubbard, and C. Ferrara, to Warner-Lambert Pharmaceutical Co. Apparatus for shaping plastic articles. 2,974,361, 3–14–61, Cl. 18—4.
Gerdes, Martin E. Occupant propelled multiple runner sled. 2,978,251, 4–4–61, Cl. 280—12.14.
Gerdes, Virgil E. Bed cover holding device. 2,988,759, 6–20–61, Cl. 5—320.
Gerdts, Gustav F., K.G.: *See*—
Pape, Hans-Martin. 3,009,356.
Gerentes, Jean, to Constructions Electro-Mecaniques de Saint-Etienne (Ancienne Usine Wageor). Drilling machine. 2,999,550, 9–12–61, Cl. 175—33.
Gerfen, Arthur P.. Pump operated oiler made to attach to oil cans. 3,004,687, 10–17–61, Cl. 222—82.
Gergen, John L.: *See*—
Bohl, Leland S., Gergen, and Suomi. 3,014,369.
Gerhard, Francis H., to North American Aviation, Inc. Low level transistor switching circuit. 3,003,122, 10–3–61, Cl. 332—9.
Gerhard, Francis H., to North American Aviation, Inc. Chopper stabilized direct and current amplifier. 3,007,116, 10–31–61, Cl. 330—10.
Gerhardt, Andrew H., to Borg-Warner Corp. Gentle action agitator. 2,974,510, 3–14–61, Cl. 68—4.
Gerhardt, Andrew H., to Borg-Warner Corp. Gentle action agitator. 2,974,511, 3–14–61, Cl. 68—4.
Gerhardt, Andrew H., to Borg-Warner Corp. Cleansing agent dispenser for washing machines. 2,988,908, 6–20–61, Cl. 68—17.
Gerhardt, Andrew H., and L. L. Smith, to Borg-Warner Corp. Automatic dispenser for a clothes washing machine. 2,990,707, 7–4–61, Cl. 68—12.
Gerhardt, Carl W. Method and apparatus for measuring corrosion rates. 2,972,248, 2–21–61, Cl. 73—86.
Gerhardt, Gerard E., to American Cyanamid Co. Minimum diameter measurement by digital flying spot scanner. 2,999,590, 9–12–61, Cl. 209—82.
Gerhardt, Robert H., to Research Corp. Digital expansion circuit. 3,011,164, 11–28–61, Cl. 340—324.
Gerhold, Clarence G.: *See*—
Broughton, Donald B., and Gerhold. 2,985,589.
Gerhold, Clarence G., and D. B. Broughton, to Universal Oil Products Co. Conversion of hydrocarbon distillates to motor fuel mixtures rich in aromatic and isoparaffins. 3,001,927, 9–26–61, Cl. 208—64.
Geric, Zvonimir: *See*—
Mautner, Mihajlo, Flego, and Geric. 3,010,702.
Gericke, Erich. Sheet feeder for printing and duplicating machines. 2,976,036, 3–21–61, Cl. 271—5.
Gericke, Erich. Printing and duplicating machines. 2,986,394, 5–30–61, Cl. 271—59.
Gerisch, Rudolph F. Combination conveying and sorting apparatus. 2,998,136, 8–29–61, Cl. 209—122.
Gerjovich, Henry J., to E. I. du Pont de Nemours and Co. Process for preparation of dialkylmercaptoethylenes. 2,983,762, 5–9–61, Cl. 260—609.
Gerke, Peter, and O. Kneisel, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for extending connections in a two-stage coupling field. 2,974,201, 3–7–61, Cl. 179—22.
Gerke, Peter, and H.-O. Renner, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Electronic routing selector for communication systems. 2,993,093, 7–18–61, Cl. 179—18.
Gerks, Irvin H., to Collins Radio Co. Broadband-phase R.-C. network. 2,984,799, 5–16–61, Cl. 333—29.
Gerlach, Carl J., and R. G. Bush, to FMC Corp. Apparatus for and method of wrapping. 3,009,298, 11–21–61, Cl. 53—22.
Gerlach, Richard K., to The National Cash Register Co. Reference pulse generator. 3,011,072, 11–28–61, Cl. 307—88.5.
Gerlach, Stephen G. Exhaust muffler and oxidizer. 2,986,000, 5–30–61, Cl. 60—30.
Gerlikovski, Alden W. Method of salvaging salvable bowling pins. 2,983,294, 5–9–61, Cl. 144—310.
Gerlikovski, Alden W. Method of salvaging bowling pins. 3,009,496, 11–21–61, Cl. 144—310.
Gerlipp, Robert, to Haft & Sons, Inc. Friction drive transmission. 2,970,492, 2–7–61, Cl. 74—209.
Germain, Joseph T. Fuel preheating device for internal combustion engines. 2,974,656, 3–14–61, Cl. 123—122.
Germain, Lloyd M., to Burroughs Corp. Voltage comparator. 2,987,629, 6–6–61, Cl. 307—88.5.
German, Donna A.: *See*—
Maiden, Clinton E., and German. 2,998,558.
German, Richard C.: *See*—
Arnett, Samuel E., and German. 2,997,843.
Arnett, Samuel E., Roberts, and German. 3,014,676.
Germana, Vincent J. Earring clip and anchor. 2,971,353, 2–14–61, Cl. 63—14.
Germane Corp.: *See*—
Charlson, Lynn L. 2,984,215.
Charlson, Lynn L. 2,989,951.
Germann, Donald P., E. L. Kropa, R. W. King, and P. B. Stickney, to Clark-Cleveland Inc. Stabilizer for dentures. 3,003,988, 10–10–61, Cl. 260—33.6.
Germann, Richard P., to W. R. Grace & Co. Detergent-softener compositions. 2,995,523, 8–8–61, Cl. 252—137.
Germann, Werner, to Doleo S.A. Refill of a ball point writing means. 3,000,354, 9–19–61, Cl. 120—42.4.
Germano, Charles E. Measuring and dispensing spout. 3,006,506, 10–31–61, Cl. 222—49.
Germansky, Sydney: *See*—
Violano, Vincent, and Germansky. 2,970,391.
Germany, James H., to Therm-O-Disc, Inc. Thermostat mounting assembly for hot water heaters. 2,972,887, 2–28–61, Cl. 73—339.
Germany, Norman V.: *See*—
Baker, William A., Germany, and Tillyard. 3,009,181.
Germany, Norman V., to United Shoe Machinery Corp. Machines for shaping shoe uppers over lasts. 2,989,761, 6–27–61, Cl. 12—7.8.
Germeshausen, Kenneth J.: *See*—
Goldberg, Seymour, and Germeshausen. 3,005,128.
Germeshausen, Kenneth J., to Edgerton, Germeshausen & Grier, Inc. Gaseous-discharge device and system. 2,977,508, 3–28–61, Cl. 315—241.
Germeshausen, Kenneth J., to Edgerton, Germeshausen & Grier, Inc. Illumination landing method and system. 2,989,727, 6–20–61, Cl. 340—26.
Germeshausen, Kenneth J., S. Goldberg, and D. F. McDonald, to Edgerton, Germeshausen & Grier, Inc. Cathode-ray apparatus and method. 2,977,501, 3–28–61, Cl. 315—17.
Germeshausen, Kenneth J., and S. Goldberg, to Edgerton, Germeshausen and Grier, Inc. Method of assembling discharge devices. 2,992,874, 7–18–61, Cl. 316—19.
Germick, Willard D., 1/10 to Gadget-Of-The-Month Club, Inc. Pedal poney. 2,976,835, 3–28–61, Cl. 115—26.
Germock, John, Jr. Combination door check and stop. 3,006,676, 10–31–61, Cl. 292—338.
Gernand, Martin O.: *See*—
Lanneau, Keith P., and Gernand. 3,010,060.
Gerner, Robert V., to Phillips Petroleum Co. Initiation of in situ combustion in carbonaceous stratum. 3,010,513, 11–28–61, Cl. 166—11.

Gerner, Theodore C. Self-adjusting threaded bushing with locking bar. 2,973,207, 2–28–61, Cl. 274—2.
Gerner, Theodore C. Self-adjusting threaded bushing with locking bar. 2,973,208, 2–28–61, Cl. 280—95.
Gerner, Theodore C. Self-adjusting threaded bushing with locking pin. 2,997,350, 8–22–61, Cl. 308—237.
Gerosolina, Salvatore R. Remote control device for electric circuits. 3,002,131, 9–26–61, Cl. 317—141.
Gerotor May Corp.: *See*—
Quintilian, Bartholomew F. 2,988,007.
Gerow, Gordon P., to Consolidated Vacuum Corp. Apparatus for coating particles. 2,990,807, 7–4–61, Cl. 118—48.
Gerr, Morris, and R. S. Tillson, to General Electric Co. Hinged enclosure. 2,998,898, 9–5–61, Cl. 220—31.
Gerrans, Alfred W. Adjustable take-up mechanism. 3,004,443, 10–17–61, Cl. 74—422.
Gerrans, William L. Water sprinkler. 3,007,646, 11–7–61, Cl. 239—230.
Gerrard Industries Ltd.: *See*—
Sansum, Robert D. 3,002,445.
Gerrard, Michael C. Protective arrangements for electrical circuits and apparatus. 2,999,189, 9–5–61, Cl. 317—18.
Gerrick, Isidore E. Slide fastener operating device. 2,974,991, 3–14–61, Cl. 294—1.
Gerrie, Paul H. Combination three light and push-button switch. 3,004,119, 10–10–61, Cl. 200—51.14.
Gerry, Otto F., to General Electric Co. Electric can opener with control interlock. 2,979,817, 4–18–61, Cl. 30—4.
Gersch, Adolph E., to Stewart-Warner Corp. Wide scale electrical measuring instrument. 3,005,951, 10–24–61, Cl. 324—150.
Gershon, Herman, to Pfister Chemical Works, Inc. Method of removing rust. 2,992,187, 7–11–61, Cl. 252—156.
Gershon, Herman, to Pfister Chemical Works, Inc. Animal feed containing blood meal and method of preparing the same. 2,996,383, 8–15–61, Cl. 99—7.
Gershon, Herman, to Pfister Chemical Works, Inc. Cockroach attractant. 3,006,809, 10–31–61, Cl. 167—48.
Gersin, Robert P., and E. W. Arnold. Display clip. 3,002,629, 10–3–61, Cl. 211—35.
Gerson, Benjamin S.: *See*—
Lessner, William J. 2,977,440.
Gerson, Melvin M.: *See*—
Piceu, John G., and Gerson. 2,070,204.
Gerst, Arthur F.: *See*—
Carlson, Harold A., and Gerst. 2,991,052.
Gerst, Chris. Forward and reverse reduction transmission. 2,972,901. 2–28–61, Cl. 74—360.
Gerst, Chris. Steering axle and transmission. 2,982,141, 5–2–61, Cl. 74—360.
Gerst, Chris. Counterrotating transmission and steering axle. 2,982,151, 5–2–61, Cl. 74—665.
Gersten Bros., Inc.: *See*—
Goebel, Walter. 2,981,316.
Gersten, Gerald B. Gasoline and oil containers. 2,974,836, 3–14–61, Cl. 222—539.
Gerstenberg, Helmut: *See*—
Gruschke, Hans, Medem, Grunewald, and Gerstenberg. 3,007,892.
Gerstenberg, Helmut, K. H. Grunewald, H. Medem, and R. Lademann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pigmented polyethylene terephthalates and process for preparing them. 3,007,891, 11–7–61, Cl. 260—40.
Gerstenslager Co., The: *See*—
Martin, Ernest P. 3,001,796.
Gerstner, Richard: *See*—
Ziegler, Rolf, and Gerstner. 3,003,351.
Ziegler, Rolf, and Gerstner. 3,003,352.
Gertels, Karl M., to Carrier Corp. Compressor. 3,008,629, 11–14–61, Cl. 230—58.
Gertels, Karl M., and R. W. Ayling, to Carrier Corp. Compressor. 3,008,628, 11–14–61, Cl. 230—58.
Gertken, Frank J. and J. B. Cleaning device for grocery carts. 2,997,048, 8–22–61, Cl. 134—72.
Gertken, John B.: *See*—
Gertken, Frank J. and J. B. 2,997,048.
Gervias, Ch., Societe Anonyme: *See*—
Berge, Jacques M. A. C. 2,974,045.
Gerwick, Ben C., Inc.: *See*—
Gerwick, Ben C., Jr. 3,003,217.
Remington, William F., and Sylvester. 2,997,281.
Gerwick, Ben C., Jr., to Ben C. Gerwick, Inc. Apparatus for manufacturing prestressed concrete members. 3,003,217, 10–10–61, Cl. 25—118.
Gerwig, Harvey F., R. M. Cox, F. O. Hosterman, and R. Rivera, to Weston Hydraulics, Ltd. Electrically controlled valve. 2,997,064, 8–22–61, Cl. 137—620.
Geschickter Fund for Medical Research Inc., The: *See*—
Geschickter, Charles F., and Meadow. 3,001,999.
Rice, Leonard M., and Grogan. 2,973,368.
Geschickter, Charles F., and J. R. Meadow, to The Geschickter Fund for Medical Research Inc. Products of phenol derivatives with formaldehyde and amines. 3,001,999, 9–26–61, Cl. 260—247.7.
Geschka, Hugo W., to Maschinenfabrik Peter Pfenningsberg G.m.b.H. Washing machines. 2,975,624, 3–21–61, Cl. 68—12.
Gesellschaft der Ludw. von Roll'schen Eisenwerke AG.: *See*—
Bloch, Peter. 2,971,498.
Trippel, Karl. 2,985,144.
Gesellschaft fuer Huettenwerksanlagen m.b.H.: *See*—
Tunder, Siegfried, and von Mertz. 2,995,354.
Gesellschaft fuer Linde's Eismaschinen A.G. Zweigniederlassung Gueldner-Motoren-Werke in Aschaffenburg: *See*—
Arz, Walter. 2,975,597.
Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft: *See*—
Becker, Rudolf. 3,009,328.
Karwat, Ernst. 2,975,606.
Gesellschaft fur Multiblitz-Gerate, Dr. Ing. D.A. Mannesmann m.b.H.: *See*—
Ludloff, Wolfgang. 2,983,849.
Gesellschaft zur Forderung der Forschung an der Eidg. Techn. Hochschule: *See*—
Epprecht, Wilfried, and Held. 2,993,814.
Geser, Alvin N.: *See*—
Arenson, Simon W. 2,976,153.
Gesick, Edward J., W. L. Mynatt, and J. W. McCoy, to Southwest Research Institute. Animal immobilizer. 3,006,649, 10–31–61, Cl. 273—106.5.
Gessell, Glenn P. Overload-responsive electric motor shutoff arrangement. 2,994,756, 8–1–61, Cl. 200—150.
Gessell, Glenn P. Overhead closure safety halting system and actuator therefor. 3,001,038, 9–19–61, Cl. 200—61.43.
Gessinger, Alfred R.: *See*—
Rose, Werner P., Gessinger, and Kuhn. 3,009,376.
Gessler, Albert E.: *See*—
De Marchi, Vincent S., Gessler, and Van Kirk. 2,972,298.
De Marchi, Vincent S., Gessler, and Van Kirk. 2,972,303.
Gessler, Albert E., V. S. de Marchi, and W. Van Kirk, to Interchemical Corp. Printing process and apparatus. 2,972,301, 2–21–61, Cl. 101—426.
Gessler, Albert M.: *See*—
Umland, Carl W., II., Gessler, and Smith. 3,003,990.
Gessler, Albert M., and F. P. Ford, to Esso Research and Engineering Co. Synthetic rubber compositions and preparation thereof. 2,996,472, 8–15–61, Cl. 260—33.6.
Gessmann, Edmund G. Visible signal spinner. 3,009,273, 11–21–61, Cl. 40—39.
Gessner, Roland: *See*—
Hösli, Heinz. 3,013,409.
Gessner, Joseph, and R. C. Seyler, to E. I. du Pont de Nemours and Co. Whitening composition for paper. 3,012,971, 12–12–61, Cl. 252—301.2.
Geston, Donald K.: *See*—
De Ramaix, Maurice A., and Jaeken. 3,012,884.
De Ramaix, Maurice A., and Jaeken. 3,013,879.
Rumpf, Karl-Heinz, and Gessner. 3,012,166.
Sankovich, Melvin F., Mumm, North, Rock, and Geston. 2,982,713.
Getaz, James L., 75% to United States Trust Co. of New York, and 25% to Adams-Millis Corp. Method of closing toe of circular knit hose. Re. 24,971, 4–18–61, Cl. 66—172.
Getchell, Robert M., and H. E. Karig, to Waste King Corp. Dish rack. 2,971,652. 2–14–61, Cl. 211—41.
Getchell, Robert M., and W. Peglow, to Waste King Corp. Dishwasher with dispenser for water conditioning liquid. 3,013,568, 12–19–61, Cl. 134—58.
Gethins, John M., and R. I. Longley, Jr., to Monsanto Chemical Co. Styrene-allyl alcohol unsaturated dibasic acid terpolymers. 2,995,535, 8–8–61, Cl. 260—23.5.
Getman Brothers Mfg. Co.: *See*—
Getman, Daniel E. 3,010,763.
Getman, Daniel E., to Getman Bros. Mfg. Co. Mine truck with sidewardly facing seat. 3,010,763, 11–28–61, Cl. 298—17.
Gettinger, Lillian, to André Fantasies, Inc. Cap-type head covering. 2,983,925, 5–16–61, Cl. 2—204.
Getty, Samuel E.: *See*—
Kirby, Ben H., and Getty. 3,004,986.
Getz, Clyde H.: *See*—
Kaufold, Leroy, and Getz. 2,968,735.
Getzendanner, Vincent J.: *See*—
Phelps, Clyde H. 2,974,521.
Geu, Edwin J.: *See*—
Bunce, Jerome R., Jr., and Geu. 2,969,219.
Gevaert Photo-Producten N.V.: *See*—
Beersmans, Jules E., and De Smet. 2,993,793.
De Belder, Maurice H., and Hart. 3,000,740.
De Canniere, Jean L., and Rillaerts. 2,989,202.
De Cat, Arthur H., and Tavernier. 2,979,405.
De Cat, Arthur H., and Tavernier. 2,992,920.
De Pauw, Alfons J., and Baekelmans. 2,982,652.
De Pauw, Alfons J., and Hart. 3,000,741.
Hart, Rene M., Roosens, and Troquet. 2,984,568.
Huys, Roger F., and Hendricx. 2,984,569.
Nys, Jean M., and Ghys. 2,973,264.
Nys, Jean M., and Ghys. 2,980,671.
Tavernier, Bernard H., Desmit, and De Cat. 2,982,649.
Van Hoof, Albert E. 2,973,262.
Willems, Jozef F., and Van Hoof. 2,967,772.
Gevaert Photo-Producten N.V., Mortsel: *See*—
Jaeken, Jan. 3,008,827.
Gevas, James C., to General Precision, Inc. Error signal sampling digital servo system. 2,971,141, 2–7–61, Cl. 318—28.
Gever, Gabriel, to The Norwich Pharmacal Co. Nitrate and iodide esters of 5-nitro-2-furfuryl alcohol and preparation of the iodide. 2,980,704, 4–18–61, Cl. 260—346.1.
Gever, Gabriel, and J. G. Vincent, Jr., to The Norwich Pharmacal Co. Alkali metal salts of nitrofurantoin. 3,007,840, 11–7–61, Cl. 167—58.

Gever, Gabriel, and J. G. Michels, to The Norwich Pharmacal Co. 2-[2-(4-pyridyl)-ethyl]-6-methyl-4,5-dihydro-3-pyridazinone. 3,012,032, 12–5–61, Cl. 260—250.
Gewartowski, Richard S., and J. L. Deibel, to Magnaflux Corp. Billet inspection apparatus. 2,990,512, 6–27–61, Cl. 324—38.
Gewehr, Rudolf: *See*—
Brandes, Jürgen, and Gewehr. 2,985,621.
Gewerkschaft Eisenhutte: *See*—
Hermann, Julius. 2,977,936.
Gewerkschaft Eisenhutte Westfalia: *See*—
Herrmann, Helmut. 2,982,391.
Gewerkschaft Eisenhutte Westfalia Wethmar: *See*—
Meininghaus, Wilhelm. 2,990,168.
Gewirtz, Stanley J.: *See*—
Martin, Eugene J., and Gewirtz. 3,005,114.
Gey, William A.: *See*—
Pierce, Firth, and Gey. 3,010,815.
Gey, William A., to United States of America, Navy. Explosive compositions. 2,982,639, 5–2–61, Cl. 52—5.
Gey, William A., to United States of America, Navy. Slow burning propellent grain with polysulfide polymer coating. 2,994,597. 8–1–61, Cl. 52—5.
Geyduschek, Georges, to Rodi & Wienenberger, Aktiengesellschaft. Expansible two-layer linkage having detachable links. 3,008,289, 11–14–61, Cl. 59—79.
Geyer, Howard M.: *See*—
Bodem, Roy C., and Geyer. 3,003,471.
Geyer, Howard M., to General Motors Corp. Pneumatic actuator. 2,967,511, 1–10–61, Cl. 121—40.
Geyer, Howard M., to General Motors Corp. Actuator with stroke end locks. 2,970,573, 2–7–61, Cl. 121—40.
Geyer, Howard M., to General Motors Corp. Dual piston hydraulic centering actuator. 2,970,574, 2–7–61, Cl. 121—40.
Geyer, Howard M., to General Motors Corp. Fluid pressure actuator and cooling means therefor. 2,971,496, 2–14–61, Cl. 121—38.
Geyer, Howard M., to General Motors Corp. Hydraulic actuator with load proportional locking means. 2,979,034, 4–11–61, Cl. 121—40.
Geyer, Howard M., to General Motors Corp. High temperature hydraulic actuator assembly. 3,000,357, 9–19–61, Cl. 121—38.
Geyer, Howard M., to General Motors Corp. Actuator with variable position stroke limiter. 3,003,470, 10–10–61, Cl. 121—40.
Geyer, Paul, to United States Rubber Co. Thrust bearing. 2,970,868, 2–7–61, Cl. 308—3.
Geyer, Ulrich, M. Spillmann, A. Stalder, and E. Tagmann, to Ciba Pharmaceutical Products Inc. Process for obtaining pure polyalkylene glycol ethers. 2,980,737, 4–18–61, Cl. 260—616.
Geyger, William A., to United States of America, Navy. Magnetic amplifier relay with snap action. 2,996,627, 8–15–61, Cl. 307—88.
Geyger, William A. Dynamic electrical characteristic tracer. 3,003,104. 10–3–61. Cl. 324—34.
Geyler, Arthur H.: *See*—
Walter, John M., and Geyler. 2,994,250.
Geyling, Franz T., to Bell Telephone Laboratories, Inc. Passive repeater for satellite communication systems. 2,991,027. 7–4–61. Cl. 244—14.
Geyling, Franz T., to Bell Telephone Laboratories, Inc. Self realigning waveguide support system. 3,007,122, 10–31–61, Cl. 333—95.
Gfeller, Chr., AG.: *See*—
Trachsel, Fritz. 2,977,421.
Ghericich, Joseph T. Electrically heated paint and varnish remover. 2,996,596, 8–15–61, Cl. 219—29.
Ghersi, Dominick A., to American District Telegraph Co. Signalling circuit. 2,983,912, 5–9–61, Cl. 340—276.
Ghignatti, Sergio, to Umberto Ghignatti. Mould for vulcanizing soles of rubber, plastics or the like to shoe uppers. 2,972,777, 2–28–61, Cl. 18—34.
Ghignatti, Umberto: *See*—
Ghignatti, Sergio. 2,972,777.
Ghilardi, Giuliana: *See*—
Charle, Roger, Kalopissis, and Ghilardi. 2,975,101.
Ghinazzi, Alvin, to Burgess Vibrocrafters, Inc. Drive means for electric can openers and the like. 2,974,409, 3–14–61, Cl. 30—4.
Ghormley Engineering and Mfg. Co.: *See*—
Ghormley, James G., Jr., and Kitchens. 2,975,708.
Ghormley, James G., Jr., and Kitchens. 3,002,451.
Ghormley, James G., Jr., and C. T. Kitchens, to Ghormley Engineering and Mfg. Co. Means adjusting cylinder in printing press. 2,975,708, 3–21–61, Cl. 101—248.
Ghormley, James G., Jr., and C. T. Kitchens, to Ghormley Engineering and Mfg. Co. Ink distributing means for printing press. 3,002,451, 10–3–61, Cl. 101—350.
Ghormley, Lee R. Threshold. 2,976,584, 3–28–61, Cl. 20—64.
Ghose, Rabindra N., to Space Technology Laboratories, Inc. Magnetic field responsive apparatus. 2,972,105, 2–14–61, Cl. 324—43.
Ghys, Theofiel H.: *See*—
Nys, Jean M., and Ghys. 2,973,264.
Nys, Jean M., and Ghys. 2,980,671.
Giachetti, Ettore: *See*—
Natta, Giulio, Pasquon, Giachetti, and Scalari. 2,971,950.
Giacoletto, Lawrence J., to Radio Corp. of America. Unipolar transistors. 2,984,752, 5–16–61, Cl. 307—88.5.
Giacosa, Dante, to Fiat Societa per Azioni. Centrifugal filter, more particularly for the lubricating oil of internal combustion engines. 2,984,410, 5–16–61, Cl. 233—32.
Giacosa, Dante, to Fiat Societa per Azioni. Centrifugal filter, particularly for lubrication oil of internal combustion engines. 3,014,643, 12–26–61, Cl. 233—32.
Giaimo, Edward C., Jr., to Radio Corp. of America. Electrostatic printing. 2,979,403, 4–11–61, Cl. 96—1.
Giaimo, Edward C., Jr., to Radio Corp. of America. Electrostatic printing. 2,984,163, 5–16–61, Cl. 95—1.7.
Giaimo, Edward C., Jr., to Radio Corp. of America. Electrostatic printing. 2,990,280, 6–27–61, Cl. 96—1.
Giammarco, Giuseppe, to S.p.A. Vetrocoke. Method of separating carbon dioxide from gaseous mixtures. 2,993,750, 7–25–61, Cl. 23—2.
Giammaria, John J., to Socony Mobil Oil Co., Inc. Removal of combustion chamber deposits. 2,968,585, 1–17–61, Cl. 134—22.
Giammaria, John J., to Socony Mobil Oil Co., Inc. Zinc salt deicers. 3,010,811, 11–28–61, Cl. 44—68.
Giampapa, Salvatore W., and L. A. Huerta. Degasifier. 3,007,542, 11–7–61, Cl. 183—2.5.
Gianatasio, Henry L., to Pres-On Abrasives, Inc. Abrading tools. 2,996,851, 8–22–61, Cl. 51—195.
Gianatasio, Henry L., to Pres-On Abrasives, Inc. Abrading tool. 2,996,852, 8–22–61, Cl. 51—197.
Gianinazzi, Rolando: *See*—
Casas-Robert, Ramon, Court, and Gianinazzi. 2,979,002.
Giannini, Anthony P., and E. F. Smith, to General American Trasportation Corp. Weather hoods for floating roofs provided in storage tanks. 2,997,200, 8–22–61, Cl. 220—26.
Giannini Controls Corp.: *See*—
Brueggeman, Leo J., Fischer, Bondra, and Canzoneri. 2,974,529.
Karg, Fred H. 2,975,389.
Giannini, Gabriel M., to Plasmadyne Corp. Combination automatic-starting electrical plasma torch and gas shutoff valve. 3,004,189, 10–10–61, Cl. 315—111.
Giannitrapani, Domenico: *See*—
Delponte, Gerardo, and Giannitrapani. 2,975,881.
Giannoni, Roberto. Fog dispersal system, particularly for airport runways. 2,969,920, 1–31–61, Cl. 239—14.
Giannotti, Joseph. Ball bouncer toy. 2,983,070, 5–9–61, Cl. 46—1.
Gianola, Umberto F., and L. V. Sharp, to Bell Telephone Laboratories, Inc. Process for ion bombarding and etching metal. 2,989,385, 6–20–61, Cl. 41—42.
Gianotta, Mario. Device for locating the position for mounting a gem box or the like. 2,990,172, 6–27–61, Cl. 269—116.
Gianotto, Pietro, to Fiat Societa per Azioni. Method of manufacturing commutators for dynamoelectric machines. 3,007,234, 11–7–61, Cl. 29—155.54.
Giant Industries: *See*—
Triebel, Kenneth B. 2,998,781.
Giardini, Armando A., and J. E. Tydings, to United States of America, Army. High pressure, high temperature apparatus and method. 2,995,776, 8–15–61, Cl. 18—16.5.
Giardino, Loris, and V. Faenza. Electromechanical measuring apparatus. 3,000,101, 9–19–61, Cl. 33—143.
Gibb, Alex S., to Continental Can Co., Inc. Carton making machine. 2,977,861, 4–4–61, Cl. 93—51.
Gibbens, Roy P.: *See*—
Elliott, David, and Gibbens. 2,980,270.
Gibbins, Leslie B., and R. H. J. Riley, to British Celanese Ltd. Apparatus for production of varying denier filaments. 2,990,575, 7–4–61, Cl. 18—8.
Gibbon, James, to Kenrick & Jefferson Ltd. Open window envelopes. 2,971,689. 2–14–61, Cl. 229—71.
Gibbon, William, to British Insulated Callender's Cables Ltd. Electric connectors. 2,995,615, 8–8–61, Cl. 174—90.
Gibbons, Edward J., to Colgate Palmolive Co. Scouring pads and method and apparatus for making them. 3,014,233, 12–26–61, Cl. 15—568.
Gibbons Heaters Ltd.: *See*—
Thurley, John. 2,993,479.
Gibbons, James J., and S. S. Schnell; said Gibbons assor. to said Schnell. Automatic apparatus for assembling a pocket clip with a cap. 2,987,727, 6–13–61, Cl. 1—106.
Gibbons, Joseph R.: *See*—
Aymami, Arthur L., Lillich, and Gibbons. 2,984,262.
Gibbs, Bernard J., to Light Steel Sectional Constructions Ltd. Hand utensils such as brushes or the like. 2,988,764, 6–20–61, Cl. 15—176.
Gibbs, Hugh H., to E. I. du Pont de Nemours and Co. Isomerization of fluoroolefins. 3,000,979, 9–19–61, Cl. 260—653.3.
Gibbs, Irving, to R. T. Vanderbilt Co., Inc. Process for the preparation of ferric nitroso dimethyl dithiocarbamate. 2,972,625. 2–21–61. Cl. 260—439.
Gibbs, Irving, to R. T. Vanderbilt Co., Inc. Fungus combating with ferric nitroso dimethyl dithio carbamate containing tetramethyl thiuramdisulfide. 3,005,748, 10–24–61, Cl. 167—22.
Gibbs, James R.: *See*—
Pritchett, Ervin G., and Gibbs. 3,006,910.
Gibbs, Joseph P., to Consolidated Electrodynamics Corp. Transducer. 2,973,496. 2–28–61. Cl. 338—41.
Gibbs, Joseph P., to Consolidated Electrodynamics Corp. Accelerometer. 2,997,678, 8–22–61, Cl. 338—43.

Gibbs, Joseph P., to Consolidated Electrodynamics Corp. Pneumatic poppet valve. 3,002,530, 10–3–61, Cl. 137—594.

Gibbs, Leland E., to Revere Copper and Brass Inc. Heat exchangers and methods of making the same. 2,995,807, 8–15–61, Cl. 29—157.3.

Gibbs Mfg. & Research Corp.: *See*—
Gibbs, Thomas B. 2,994,241.

Gibbs, Maurice G., to Wild-Barfield Electric Furnaces Ltd. Induction heated furnaces. 2,969,411, 1–24–61, Cl. 13—27.

Gibbs, Thomas B., to Gibbs Mfg. & Research Corp. Tuning fork. 2,994,241, 8–1–61, Cl. 84—409.

Gibbs, Thomas H., Jr., to Continental Can Co., Inc. Container and cover assembly for corrosive materials. 2,989,-208, 6–20–61, Cl. 220—27.

Gibbs, Walter, and G. Mollin, to Johnson & Hoffman Mfg. Corp. Holder for radio tube. 3,007,128, 10–31–61, Cl. 339—75.

Gibbs, Winfield S.: *See*—
Zeligowsky, Leo, and Gibbs. 2,983,159.

Gibbud, John H.: *See*—
Brown, Alfred W., and Gibbud. 2,993,235.

Gibiser, Frank A., to Temprite Products Corp. Valve assembly for hot water dispensers of pressure type. 3,012,570, 12–12–61, Cl. 137—334.

Gibson, Alan F., and J. W. Granville, to National Research Development Corp. Microwave modulator. 2,977,551, 3–28–61, Cl. 332—52.

Gibson, Blair W. Self propelled toy. 2,977,714, 4–4–61, Cl. 46—243.

Gibson, Charles H. Operator mechanism for the control of the automatic operation of a series of successive individually selected operational steps in business, calculating and similar machines. 2,981,395, 4–25–61, Cl. 197—19.

Gibson, Christian D., to The Raymond Corp. Material handling truck. 2,973,878, 3–7–61, Cl. 214—730.

Gibson, Dora S., to Hallmark Cards, Inc. Greeting card. 2,974,434, 3–14–61, Cl. 40—124.1.

Gibson, Earl D., to United States of America, Navy. Test circuit for measurement of gas diode breakdown characteristics. 2,983,864, 5–9–61, Cl. 324—23.

Gibson, Earl D., to United States of America, Navy. Vibration responsive electrical fuze. 2,998,774, 9–5–61, Cl. 102—70.2.

Gibson, Ernest O., Jr., to The Wells Industries Corp. Desiccator unit. 3,008,540, 11–14–61, Cl. 183—4.8.

Gibson, Francis J. Anchor weight traveller. 2,986,112, 5–30–61, Cl. 114—215.

Gibson, George A., Jr. Apparatus for feeding, cutting and stacking flat stock. 2,971,415, 2–14–61, Cl. 83—94.

Gibson, George D.: *See*—
Yates, Paul R. 2,992,682.

Gibson, George M. Wringer washing machine combination. 2,968,173, 1–17–61, Cl. 68—22.

Gibson, George M. Pump controlled fluid system for pressure type clothes water extraction washing machines. 3,013,-423, 12–19–61, Cl. 68—21.

Gibson, Glenn J., to Air Reduction Co., Inc. Metal spraying. 2,998,922, 9–5–61, Cl. 239—13.

Gibson, Gregory L.: *See*—
Saukaitis, Albert J., Gardner, and Gibson. 2,975,125.

Gibson, Hal, and R. B. Maddock, to General Electric Co. Dynamometer control system. 2,982,128, 5–2–61, Cl. 73—117.

Gibson, Henry C., Jr.: *See*—
Cohen, Martin J., and Gibson. 3,004,258.

Gibson-Homans Co., The: *See*—
Painter, William E., and Hull. 2,988,775.

Gibson, Jacob J. Composition for determination of glucose in body fluids. 2,990,338, 6–27–61, Cl. 195—103.5.

Gibson, James L. Hydraulic-pneumatic draft gear. 3,009,584, 11–21–61, Cl. 213—43.

Gibson, James O. Separation of columbium and tantalum. 3,011,866, 12–5–61, Cl. 23—17.

Gibson, John C., to International Telephone and Telegraph Corp. Office translator arrangement for switching systems. 2,998,493, 8–29–61, Cl. 179—18.

Gibson, John C., to The English Electric Co. Ltd. Aircraft manoeuvre boost control systems. 3,005,606, 10–24–61, Cl. 244—83.

Gibson, John W., to Shell Oil Co. Separation of normal paraffin wax from lubricating oil utilizing molecular sieve. 2,982,715, 5–2–61, Cl. 208—26.

Gibson, Paul, and R. W. Starmann, to Swift & Co. Hydraulic fluids for pressure treatment of oil bearing formation. 2,982,724, 5–2–61, Cl. 252—8.55.

Gibson, Robert L. Article supporting ladder attachment. 2,980,380, 4–18–61, Cl. 248—211.

Gibson, Robert M. Blowing tube for molten metal. 2,985,-441, 5–23–61, Cl. 266—34.

Gibson, Roger E.: *See*—
Broyles, Margaret H., and Gibson. 2,992,205.

Gibson, Van R., Jr., to General Electric Co. Remote wireless control system. 2,994,063, 7–25–61, Cl. 340—156.

Gibson, Walter G., to Radio Corp. of America. Video signal compensating circuits. 2,971,053, 2–7–61, Cl. 178—7.1.

Gibson, Wilfred C., and A. E. Wilde, to Shaffer Tool Works. Drilling head. 2,995,196, 8–8–61, Cl. 175—7.

Gibson, William M.: *See*—
Ellzey, Dixie L., and Gibson. 2,978,222.

Gichner, Fred S., Iron Work, Inc.: *See*—
Baus, Donald E. 2,968,490.

Gick, James E., to Tandy Leather Co., and J. E. Gick, d.b.a. Pacific Arts & Crafts Co. Ornamental tile and method of fabrication. 2,982,042, 5–2–61, Cl. 41—23.

Giddings & Lewis Machine Tool Co.: *See*—
Daugherty, Jesse. 2,983,199.
Daugherty, Jesse, Durand, Wheeler, Coffill, Shattes, and Galgano. 2,968,517.
Ford, Ralph L. 3,000,674.
Ford, Ralph L., and Gladoske. 2,972,357.
Fuller, Richard H., and Buck. 2,987,707.
Jones, Gordon H. 3,008,381.
Schurger, Garner H. 2,970,523.
Schurger, Garner H., Maastricht, and Woytych. 2,984,159.

Gidlow, Rolf G., and A. D. Mills, to The Pillsbury Co. Process and apparatus for agglomerating pulverulent materials. 2,995,773, 8–15–61, Cl. 18—1.

Giebel, Ernest W., to Union Bag-Camp Paper Corp. Windshield shipping carton. 2,968,395, 1–17–61, Cl. 206—62.

Giedt, Warren H.: *See*—
Rall, Dieter L., and Giedt. 2,997,513.

Gieg, Wilhelm: *See*—
Christmann, Fritz, and Gieg. 2,981,757.

Giegy Chemical Corp.: *See*—
Litvan, Franz, and Stoll. 3,010,995.
Litvan, Franz, and Stoll. 3,010,996.
Schindler, Walter, and Peterli. 3,010,961.

Giel, George J., to The Bendix Corp. Magnetic tape reading system. 2,994,857, 8–1–61, Cl. 340—174.1.

Giepen, Hubert M. Vending apparatus. 3,002,602, 10–3–61, Cl. 194—10.

Gier, John R., Jr. Furnace structure. 2,997,510, 8–22–61, Cl. 13—3.

Gieren, Heinrich. Method of producing composite bushings. 2,991,541, 7–11–61, Cl. 29—149.5.

Gies, Paul E., to Houdaille Industries, Inc. Flutter damper. 2,973,060, 2–28–61, Cl. 188—93.

Giesecke, Albert S. Advertising tag. 2,984,031, 5–16–61, Cl. 40—16.

Gieseler, Luther P. Data handling system and magnetic switching network therefor. 2,972,136, 2–14–61, Cl. 340—347.

Giesen, Johann: *See*—
Delters, Wilhelm, and Giesen. 3,007,972.
Gabler, Rudolf, Giesen, and Zehnder. 2,993,879.

Giesen, Johann, to Inventa A.-G. fur Forschung und Patentverwertung Luzern. Process for cleavage of lignin to produce phenols. 2,991,314, 7–4–61, Cl. 260—627.

Giesen, Johann, and W. Delters, to Inventa A.G. fur Forschung und Patentverwertung. Process for increasing the chain length of levulinic acid. 2,967,874, 1–10–61, Cl. 260—413.

Giesen, Johann, and F. Müller, deceased (by G. Muller-Grunwaldt, administratrix), to Inventa A.G. fuer Forschung und Patentverwertung. Process for the manufacture of glycols, glycerol and hexitol dilute sugar solution. 3,011,-002, 11–28–61, Cl. 260—635.

Gieskieng, David H., to Allis-Chalmers Mfg. Co. Wet process for making cement and apparatus for use therewith. 2,993,687, 7–25–61, Cl. 263—32.

Giesse, Robert C.: *See*—
Bardet, George V., and Giesse. 2,992,921.
Bardet, George V., and Giesse. 3,006,269.

Giesselman, Albert C., to General Electric Co. Communication system. 2,985,755, 5–23–61, Cl. 250—20.

Giessner, George J.: *See*—
Bodenschatz, August, and Giessner. 3,009,029.

Gievers, John G., to United States of America, Army. Angular measurement system. 2,998,746, 9–5–61, Cl. 88—14.

Giewald, Walter E. Multi-sail structure. 2,984,199, 5–16–61, Cl. 114—102.

Giffen, James W., to Corning Glass Works. Glass forming. 2,970,405, 2–7–61, Cl. 49—79.

Giffen, James W., to Corning Glass Works. Metal frame manufacture. 2,976,611, 3–28–61, Cl. 29—553.

Giffen, James W., to Corning Glass Works. Precision grinding. 2,997,827, 8–29–61, Cl. 51—326.

Gifford, Harry R. Debris collector. 3,010,523, 11–28–61, Cl. 171—63.

Gifford, Maurice J.: *See*—
Driesbach, Robert R., Gifford, Lipke, and Sterling. 3,005,796.

Gifford, Richard P., and R. F. Suit, to General Electric Co. Noise suppressor for magnetic core logic circuits. 2,978,-684, 4–4–61, Cl. 340—174.

Gifford, Vance M., to W. R. Ames Co. Integral shelf. 3,000,-515, 9–19–61, Cl. 211—153.

Gifford-Wood Co.: *See*—
Schnabel, Otto F. 3,013,679.

Giladett, Leo V., to United States of America, Navy. Multiple circuit switch. 3,002,063, 9–26–61, Cl. 200—81.4.

Gilard, Pierre: *See*—
Broman, Arthur, Lambert, Gilard, and Van Herck. 2,972,210.

Gilardi, Giuseppe: *See*—
Franceschetti, Alessandro, and Gilardi. 2,982,118.

Gilbert, A. C., Co., The: *See*—
Kretzmer, Minor G., Jr. 2,987,849.
Kretzmer, Minor G., Jr. 3,012,365.
Meisenheimer, Daniel T., and Syarto. 2,994,971.

Gilbert & Barker Mfg. Co.: *See*—
Grise, Alfred L. 2,973,118.
Grise, Alfred L. 2,996,221.
Mesh, Theodore J. 2,968,753.
Pacey, John J., and Robinson. 2,986,308.

Gilbert, Bruce, to The Western Co. of North America. Method and apparatus for injecting perforation sealers. 2,976,928, 3–28–61, Cl. 166—75.

Gilbert, Dewey: *See*—
Gilbert, Robert T., Sr., R. W. Gilbert, Jr., and D. Gilbert. 3,012,391.

Gilbert, Everett A.: *See*—
Gilman, Robert J., and Gilbert. 3,002,053.

Gilbert, Everett E., to Allied Chemical Corp. Method of destroying mites employing the p-bromo-phenyl ester of benzene-sulfonic acid. 3,010,871, 11–28–61, Cl. 167—30.

Gilbert, Everett E., J. A. Otto, and E. J. Rumanowski, to Allied Chemical Corp. Vinyl phosphate insecticides. 3,003,916, 10–10–61, Cl. 167—30.

Gilbert, Everett E., and C. N. Yiannios, to Allied Chemical Corp. 4-(2-chloro-4-fluoro-phenoxy)-butanoic acid and salts and esters thereof. 3,005,695, 10–24–61, Cl. 71—2.6.

Gilbert, Everett A., and G. L. King, to Radio Frequency Laboratories Inc. Telemeter receiver. 3,014,183, 12–19–61, Cl. 329—107.

Gilbert, George R., to Esso Research and Engineering Co. Processes for producing alumina containing materials. 2,988,498, 6–13–61, Cl. 208—138.

Gilbert, George R., to Esso Research and Engineering Co. Production of alumina. 2,989,372, 6–20–61, Cl. 23—143.

Gilbert, George R., to Esso Research and Engineering Co. Paraffin hydrocarbon isomerization catalyst and process. 2,998,467, 8–29–61, Cl. 260—683.75.

Gilbert, George R., J. E. McCormick, and A. Schriesheim, to Esso Research and Engineering Co. Gamma alumina promoted paraffin alkylation process. 2,971,037, 2–7–61, Cl. 260—683.53.

Gilbert, George R., A. Schriesheim, and J. E. McCormick, to Esso Research and Engineering Co. Paraffin alkylation process promoted with silica gel and aluminum bromide. 2,978,524, 4–4–61, Cl. 260—683.53.

Gilbert, Grant S., to Cleveland Cleaner & Paste Co. Display lid. 2,997,788, 8–29–61, Cl. 30—123.

Gilbert, Leon, to Continental Connector Corp. Multiple electrical connector with selectivity positionable polarizing member. 2,983,896, 5–9–61, Cl. 339—184.

Gilbert, Lewis F.: *See*—
Irish, Glenn E., and Gilbert. 3,003,859.

Gilbert Mfg. Co., Inc.: *See*—
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Gilbert, Nathan: *See*—
Fredrick, William H. 2,985,332.
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Gilbert, Norman W. Self forming flange belt conveyor assembly and belting therefor. 2,998,121, 8–29–61, Cl. 198—191.

Gilbert Plastics, Inc.: *See*—
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Gilbert, Richard, and R. H. Warkentien, to Colorado Oil and Gas Corp. Valve apparatus. 2,969,950, 1–31–61, Cl. 251—61.

Gilbert, Robert T., Sr., R. W. Gilbert, Jr., and D. Gilbert. Cotton harvester attachment. 3,012,391, 12–12–61, Cl. 56—119.

Gilbert, Robert W., Jr.: *See*—
Gilbert, Robert T., Sr., R. W. Gilbert, Jr., and D. Gilbert. 3,012,391.

Gilbert, Ronald A., to D. Napier & Son Ltd. Combustion turbine power units. 2,968,922, 1–24–61, Cl. 60—39.5.

Gilbert, Ronald A., to D. Napier & Son Ltd. Turbine stator blade rings. 2,976,015, 3–21–61, Cl. 253—78.

Gilbert, Roswell W., to Daystrom, Inc. Resistance comparator. 2,976,486, 3–21–61, Cl. 324—63.

Gilbert, Roswell W., to Daystrom, Inc. Method and means of modulation. 2,997,667, 8–22–61, Cl. 332—51.

Gilbert, Roy L., to Dairypak Butler, Inc. Casing apparatus. 3,013,647, 12–19–61, Cl. 198—34.

Gilbert, Samuel, to Schlage Lock Co. Door latch and lock mechanism. 2,989,332, 6–20–61, Cl. 292—169.

Gilbert, Sidney. Packaging machine. 2,996,866, 8–22–61, Cl. 53—379.

Gilbert, William I., and A. C. Whitaker, to Gulf Research & Development Co. Foam-inhibited aqueous oil emulsions. 2,976,240, 3–21–61, Cl. 252—33.4.

Gilbert, William I., W. A. Pardee, and C. W. Montgomery, to Gulf Research & Development Co. Treatment of hydrous oxides. 2,982,719, 5–2–61, Cl. 208—120.

Gilberton, Georges. System for handling and storing manure. 2,989,379, 6–20–61, Cl. 23—259.1.

Gilbride, Andrew J.: *See*—
Dorosz, Adolph S., Gilbride, and Spencer. 3,000,342.

Gilbride, Andrew J., to United Shoe Machinery Corp. Holddowns for lasting machines. 2,980,931, 4–25–61, Cl. 12—14.2.

Gilbride, Andrew J., to United Shoe Machinery Corp. Toe lasting machines. 2,986,753, 6–6–61, Cl. 12—8.2.

Gilbride, Andrew J., to United Shoe Machinery Corp. Toe lasting machines. 2,990,559, 7–4–61, Cl. 12—12.4.

Gilby, Ralph F., Jr., C. E. Hoberg, and M. K. Phibbs; said Gilby and said Hoberg assors. to E. I. du Pont de Nemours and Co., and said Phibbs assor. to Du Pont Co. of Canada (1956) Ltd. Production of dicarboxylic acid anhydrides. 2,971,010, 2–7–61, Cl. 260—345.9.

Gilby, Ralph F., Jr., to E. I. du Pont de Nemours and Co. Preparation of dihydroresorcylpropionic acid and delta-ketoazelaic acid. 3,012,071, 12–5–61, Cl. 260—514.

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Gilchrist, James R., and H. O. Park, to Truly-Magic Products Inc. Bug remover for windshields and the like. 2,997,732, 8–29–61, Cl. 15—598.

Gilchrist, William G.: *See*—
De Lisle, Raymond P., and Gilchrist. 2,976,879.

Gildard, James H.: *See*—
Lemmerman, Richard D., and Gildard. 3,011,584.

Gildart, Lee W., and J. A. Powell, to Kentucky Research Foundation. Synthetic stibnite crystal and method for producing the same. 2,968,014, 1–10–61, Cl. 338—22.

Gilder, John A., to Electrical Engineering & Mfg. Corp. Reverse torque lock mechanism. 2,995,226, 8–8–61, Cl. 192—8.

Gilderbloom, Clarence W. Dishwashing machine. 2,973,534, 3–7–61, Cl. 15—74.

Gildersleeve, Benjamin T. Liquid dispenser for seed planters. 2,993,626, 7–25–61, Cl. 222—214.

Gildner, Darwin A., and F. L. Brauer, to United States of America, Navy. High speed streak shutter. 2,970,528, 2–7–61, Cl. 95—54.

Gile, Richard M.: *See*—
Herrmann, John F., and Gile. 2,986,069.

Giler, Roger R.: *See*—
Baker, Marvin T., and Giler. 3,002,735.

Giles, Benjamin F. Clamping device. 2,999,290, 9–12–61, Cl. 24—252.

Giles, George W., to Daffin Corp. Rotary wheel raking device. 2,977,743, 4–4–61, Cl. 56—377.

Giles, Homer W.: *See*—
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Giles, John C., to Continental Oil Co. Slab molding machine. 2,974,360, 3–14–61, Cl. 18—4.

Giles, Ralph R.: *See*—
Straley, James M., and Giles. 2,967,871.
Straley, James M., and Giles. 2,968,661.

Giles, Walter B., to General Electric Co. Hydrodynamic drag reduction in vehicles through boundary layer control. 2,969,759, 1–31–61, Cl. 114—20.

Giles, Walter B., to General Electric Co. Low gain and long travel valve. 3,006,371, 10–31–61, Cl. 137—622.

Giles, Walter B., and R. A. Aiken, to General Electric Co. Hydraulic control system with flow restricting means. 3,003,474, 10–10–61, Cl. 121—41.

Giles, Walter W. Indexing devices. 2,979,834, 4–18–61, Cl. 35—73.

Giles, William H.: *See*—
Frank, Anton R., and Giles. Re. 25,040.

Giles, William H., and A. R. Frank, to Van Buren Machine Corp. Machine for assembling, securing and banding packages. 2,982,065, 5–2–61, Cl. 53—159.

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Gilfillan Bros., Inc.: *See*—
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Cowart, Brooks E., Ball, Crane, and Knowlton. 2,971,698.
Johnson, Thomas J., Jr. 2,976,521.
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Landee, Robert W., Deen, Fling, Shaw, Davis, Johnston, and Bennett. 2,975,413.
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Tasker, Homer G., Van Alstyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.
Thomas, Edgar E. 3,005,143.
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Gilfillan, Edward S., Jr., and S. J. Sindeband. Buoyant mine with gradiometer. 2,966,853, 1–3–61, Cl. 102—18.

Gilliland, Melvin E., to Texaco Inc. Transparent metal working lubricant composition. 3,000,826, 9–19–61, Cl. 252—49.3.

Gilissen, Aart J., to Cory Corp. Warmer stove. 3,004,131, 10–10–61, Cl. 219—37.

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Gilkey, George L. Machine for assembling louver doors. 3,011,248, 12–5–61, Cl. 29—211.

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Caldwell, John R., and Gilkey. 2,980,649.
Caldwell, John R., and Gilkey. 2,984,634.
Caldwell, John R., and Gilkey. 2,985,626.
Caldwell, John R., and Gilkey. 2,985,627.
Caldwell, John R., and Gilkey. 2,985,628.
Caldwell, John R., Gilkey, and Poe. 2,972,602.

Gilkison, Clemmett R. Boat carrier and hoist for automobiles. 2,985,327, 5–23–61, Cl. 214—450.

Gill, Donald H., to General Motors Corp. Fastener assembly. 2,970,287, 1–31–61, Cl. 339—14.

Gill, Donald W., to The Frank F. Taylor Co. Foldable highchair. 2,973,804, 3–7–61, Cl. 155—147.

Gill, Donald W., to The Frank F. Taylor Co. Twosome walker-stroller. 2,993,702, 7–25–61, Cl. 280—41.
Gill, Edwin R., Jr., to K. W. Flocks. Highway striping apparatus. 3,008,647, 11–14–61, Cl. 239—150.
Gill, Ferdinand A. Toy. 2,971,288, 2–14–61, Cl. 46—67.
Gill, Ferdinand A. Coffee maker and brewer. 2,983,217, 5–9–61, Cl. 99—294.
Gill, Frank W. Extensible paint roller core. 2,970,366, 2–7–61, Cl. 29—110.
Gill, James B. Sketch board. 2,978,813, 4–11–61, Cl. 33—80.
Gill, James M., and C. L. Hildebrand, to E. I. du Pont de Nemours and Co. Self-sealing gasket. 2,980,284, 4–18–61, Cl. 220—46.
Gill, John B. Work horse kit. 2,989,142, 6–20–61, Cl. 182—224.
Gill, John B. Pipe cutting device. 2,990,612, 7–4–61, Cl. 30—100.
Gill, Joseph, to Hagan Chemicals & Controls, Inc. Monitoring equipment. 2,989,701, 6–20–61, Cl. 324—115.
Gill, Joseph, to Hagan Chemicals & Controls, Inc. Monitoring equipment. 2,990,541, 6–27–61, Cl. 340—179.
Gill, Joseph, to Hagan Chemicals & Controls, Inc. Computing equipment. 2,996,253, 8–15–61, Cl. 235—195.
Gill, Joseph, and G. Gruendel, to Hagan Chemicals & Controls, Inc. Monitoring equipment. 2,971,183, 2–7–61, Cl. 340—213.
Gill, Joseph, and F. W. Sippach, to Hagan Chemicals & Controls, Inc. Measuring equipment. 2,979,663, 4–11–61, Cl. 328—150.
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Gill, Lester D. Box with self locking tab. 2,979,249, 4–11–61, Cl. 229—17.
Gill, Lowell O., and J. A. Wagoner, to A. E. Staley Mfg. Co. Process for preparing ungelatinized starch ethers. 3,014,901, 12–26–61, Cl. 260—233.3.
Gill, Martin J., to Apco Mosberg Co. Predetermine torque release hand tool. 2,972,271, 2–21–61, Cl. 81—52.4.
Gill, Martin J., to Apco Mossberg Co. Torque wrench. 3,000,209, 9–19–61, Cl. 73—139.
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Gill, Millerd F.: *See*—
Myers, Robert L., and Gill. 2,977,514.
Gill, Robert F.: *See*—
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Gill, Robert F., and C. S. Wukusick, to General Electric Co. High temperature alloys. 2,994,605, 8–1–61, Cl. 75—171.
Gill, Ronald I., to The General Electric Co. Ltd. Bending mandrel. 2,996,101, 8–15–61, Cl. 153—63.
Gill, Vincent A. Valve structure. 2,973,182, 2–28–61, Cl. 251—174.
Gill, Walter L. Remover for jar and bottle caps. 2,985,044, 5–23–61, Cl. 81—3.4.
Gill, Wilbur. Mixing and dispensing device. 3,013,697, 12–19–61, Cl. 222—135.
Gillam, Edward D. Dispensing containers for tablets and the like. 2,984,397, 5–16–61, Cl. 225—49.
Gillam, Edward D. Packages. 2,990,056, 6–27–61, Cl. 206—45.13.
Gillam, Edward D. Containers. 2,998,910, 9–5–61, Cl. 229—44.
Gillaspie, William E. Attaching fastener for molding strip. 3,009,222, 11–21–61, Cl. 24—73.
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Gillespie, Alice M. Combination cigarette package and ash receiver. 2,999,584, 9–12–61, Cl. 206—41.
Gillespie, Boyce E. Wallboard lifter. 2,989,286, 6–20–61, Cl. 254—120.
Gillespie, Charles S. Control system for fire nozzles. 3,010,519, 11–28–61, Cl. 169—25.
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Gillespie, Russell A., to Engineering Metal Products Corp. Curtain wall mullion. 2,976,969, 3–28–61, Cl. 189—34.
Gillespie, Sidney L., to Woodward Governor Co. Control for controllable pitch propellers. 2,981,340, 4–25–61, Cl. 170—160.32.
Gillett, Thomas H.: *See*—
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Gillett, William, C. W. Kelly, and R. E. Sechler, to Fenestra, Inc. Building structure. 3,001,245, 9–26–61, Cl. 20—11.
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Lerner, Louis L. 3,012,695.
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Lerner, Louis L., and Safianoff. 2,975,465.
Gillette, Edward S., and R. H. Sherman, Jr., to Dictaphone Corp. Portable dictation apparatus. 2,989,261, 6–20–61, Cl. 242—55.13.
Gillette, Leslie A., and L. R. Martin, to Pennsalt Chemicals Corp. Recovery of alkylamines. 2,998,357, 8–29–61, Cl. 202—51.
Gillham, John N., and J. R. Del Signore, to Carrier Corp. Control mechanism for air conditioning apparatus. 2,986,016, 5–30–61, Cl. 62—161.
Gillham, Philip C., and S. K. Moss, to International Business Machines Corp. Fast acting fluid actuator. 2,974,643, 3–14–61, Cl. 121—46.5.
Gillham, Vernon D.: *See*—
Kropp, Eric E., Gillham, and Norman. 2,986,968.
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Gillick, Laurance H., and R. W. Maddocks, to Vapor Heating Corp. Radiator housing and guard structure. 2,976,023, 3–21–61, Cl. 257—295.
Gillie, Harmon A., to General Electric Co. V-type brush holder for dynamoelectric machines. 2,992,344, 7–11–61, Cl. 310—246.
Gilligan, John A., and G. Haaijer, to United States Steel Corp. Metal window. 2,983,344, 5–9–61, Cl. 189—78.
Gilliland, Edwin R., to Esso Research and Engineering Co. Vaporization by molten material. 2,976,224, 3–21–61, Cl. 202—74.
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Denkewalter, Robert G., and Gillin. 3,000,792.
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Gillis, Marvin B., to International Minerals & Chemical Corp. Animal feed supplement. 2,973,265, 2–28–61, Cl. 99—2.
Gillman, Edward T.: *See*—
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Gillman, Harold K., to Cashin, Inc. Apparatus for measuring and segregating sliced products from slicing machines. 2,969,099, 1–24–61, Cl. 146—94.
Gillois, Jean, and H. W. Gehlen, to Dipl. Ing. H. W. Gehlen. Self propelled amphibious vehicles. 2,981,221, 4–25–61, Cl. 115—1.
Gillois, Jean, and H. W. Gehlen, to H. W. Gehlen. Mobile self propelled bridge units. 3,010,128, 11–28–61, Cl. 14—1.
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Gilman, John E., 3rd, R. D. Graf, and R. E. Prouty, to Essex Wire Corp. Electric sounder. 2,984,832, 5–16–61, Cl. 340—392.
Gilman, Louis. Silk screen process press. 2,975,705, 3–21–61, Cl. 101—123.
Gilman, Robert J., and E. A. Gilbert, to Radio Frequency Laboratories, Inc. Multiple D.-C. repeater. 3,002,053, 9–26–61, Cl. 178—73.
Gilman, Samuel, to American Machine & Foundry Co. Cigarette density measuring apparatus. 2,984,352, 5–16–61, Cl. 209—111.
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Gilmore, Forrest E., to Phillips Petroleum Co. Multistage gas compression process and apparatus. 2,989,853, 6–27–61, Cl. 62—11.
Gilmore, Gerald D., to Bop-Decker Plastics, Inc. Internally heated nozzle and molding method. 3,010,155, 11–28–61, Cl. 18—30.
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Gilson, Paul R., to Burroughs Corp. Magnetic read-write head having two gaps. 2,969,529, 1–24–61, Cl. 340—174.
Gilson, Pierre C. J. Automatic control for air conditioning means. 2,984,913, 5–23–61, Cl. 34—46.
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Gil Vidales, Joaquin and E. Ice-boxes. 2,977,174, 3–28–61, Cl. 312—305.
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Ginnette, Lewis F., R. P. Graham, and A. I. Morgan, Jr., to United States of America, Agriculture. Process of dehydrating foams. 2,981,629, 4–25–61, Cl. 99—206.
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Ginsburg, Charles P., S. F. Henderson, Jr., R. M. Dolby, and C. E. Anderson, to Ampex Corp. Video recorder tape and head speed control system. 3,003,025, 10–3–61, Cl. 178—6.6.
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Giordano, Joseph, and A. G. Russell, to The Sherwin-Williams Co. Metering dispensing valve. 2,975,942, 3–21–61, Cl. 222—380.
Giordano, Roger F., ½ to Promecam. Sheet-metal bending press. 3,007,508, 11–7–61, Cl. 153—21.
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Andresen, Raymond H. and H. A. 2,984,506.
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Giuliano, Angelo. Toy torpedo boat. 2,996,835, 8–22–61, Cl. 46—94.
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Dorsky, Julian, and Easter. 2,976,327.
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Nikawitz, Edward J. 3,007,929.
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Given, Joseph H., to The Plastex Co. Method and apparatus for extruding plastic conduit. 3,012,276, 12–12–61, Cl. 18—14.

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Glab, William T., to Durel Inc. Methods of making a lignocellulose product and products resulting therefrom. 2,968,574, 1–17–61, Cl. 106—163.

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Glab, William T., to Durel Inc. Methods of making a lignocellulose product and products resulting therefrom. 2,984,578, 5–16–61, Cl. 106—163.

Glab, William T., to Durel Inc. Methods of making a lignocellulose product and products resulting therefrom. 2,984,579, 5–16–61, Cl. 106—163.

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Glade, Nathaniel J., to American Cyanamid Co. Textile treatment with novel aqueous dispersion to achieve water-repellent finishes. 2,971,930, 2–14–61, Cl. 260—21.

Glade, Nathaniel J., to American Cyanamid Co. Textile treatment with novel aqueous dispersions to achieve flame-resistant and water-repellant finishes. 2,971,931, 2–14–61, Cl. 260—21.

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Gladrow, Elroy M., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Hydroforming catalyst and process. 3,002,921, 10–3–61, Cl. 208—138.

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Ayala, Carl. 2,991,781.
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Buh, William F., Jr. 2,977,123.
Kripak, Leonid. 3,002,335.
Licitis, Gunars. 2,989,814.
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Pearson, Charles, Jr., and Stan. 3,011,783.
Reed, Bayard C. 2,968,120.
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Glass, Marvin I., and L. Kripak; said Kripak assor. to said Glass. Toy. 2,968,119, 1–17–61, Cl. 46—77.
Glass, Marvin I., and L. Kripak; said Kripak assor. to said Glass. Toy. 2,992,004, 7–11–61, Cl. 273—102.1.
Glass, Myron S., to Bell Telephone Laboratories, Inc. Tunable magnetron. 2,996,642, 8–15–61, Cl. 315—39.61.
Glass, Myron S., to Bell Telephone Laboratories, Inc. Magnetrons. 2,997,625, 8–22–61, Cl. 315—39.69.
Glass, Robert T. Stickholder for conveyor-type frozen-confection-producing machine. 2,998,784, 9–5–61, Cl. 107—8.
Glass, Winfried: *See*—
Grosskinsky, Otto, Benning, and Glass. 3,006,953.
Glasscock, Green B.: *See*—
Rouy, Auguste L. M. A., Peterson, and Glasscock. 3,003,939.
Glasscock, Hugh E. Thumb mounted pencil holder. 3,005,441, 10–24–61, Cl. 120—102.
Glasser, Julian: *See*—
Griffith, Cecil B., Andreae, and Glasser. 3,009,808.
Glassman, Joel, to Genesco, Inc. Shoe. 2,984,918, 5–23–61, Cl. 36—19.5.
Glassman, Raymond H.: *See*—
Usher, Dave, Glassman, and Hopkins. 3,004,659.
Glasson, Marvin R., to Vernco Corp. Method of making double bladed blower wheel. 3,010,187, 11–28–61, Cl. 29—156.8.
Glasson, William J., to Hughes Aircraft Co. Expulsion-bag tank for liquid propellant. 2,980,177, 4–18–61, Cl. 158—50.1.
Glastrusions, Inc.: *See*—
Goldsworthy, William B., and Landgraf. 2,990,091.
Glatt, Jack E. Method and means for joining plastic articles. 2,995,172, 8–8–61, Cl. 154—1.
Glatter, Jacob, B. E. Schaner, and T. J. Burke, to United States of America, Atomic Energy Commission. Process of forming powdered material. 2,991,601, 7–11–61, Cl. 53—24.
Glattli, Hans H., to International Business Machines Corp. Punching device. 2,989,228, 6–20–61, Cl. 234—50.
Glattli, Hans H., to International Business Machines Corp. Fluid apparatus. 3,010,649, 11–28–61, Cl. 235—61.
Glaubke, Allen F.: *See*—
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Glaubke, Allen F., and C. A. Schnackel, to Western Electric Co., Inc. Article feeding and ejecting apparatus. 2,986,275, 5–30–61, Cl. 209—81.
Glaus, Bernhard, to Ulrich Steinemann Aktiengesellschaft. Apparatus for pouring varnish upon bodies. 2,976,837, 3–28–61, Cl. 118—319.
Glavan, Richard, to Stephens-Adamson Mfg. Co. Method of making self-aligning bearings and articles produced thereby. 2,973,227, 2–28–61, Cl. 308—72.
Glavan, Richard, and R. L. King, to Stephens-Adamson Mfg. Co. Pillow block rolling bearing of self-aligning type. 3,001,841, 9–26–61, Cl. 308—194.
Glaxo Laboratories Ltd.: *See*—
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Bessell, Christine Joy, Anslow, Mortimer, Fletcher, and Rhodes. 3,013,947.
Chapman, John H., Hickman, Nelson, and Wolff. 3,010,955.
Coles, Clarence L. J. 2,985,559.
Elks, Joseph, Oughton, and Stephenson. 2,994,707.
Jansen, Alexander B. A., and Carrington. 3,014,033.
Long, Alan G., and Eardley. 3,004,995.
Long, Alan G., and Hunt. 3,013,029.
Razdan, Raj K., and Wetherill. 2,993,928.
Rhodes, Alan, and Fletcher. 2,986,496.
Smith, Ernest L., Fantes, and Shaw. 3,014,841.
Wilkins, Frederick J., and Holt. 2,989,525.
Glaze, Ardelle: *See*—
Brown, Hugh E., and Glaze. 3,006,384.
Glaze, Harry S., Jr., to California Research Corp. Production of butene polymers. 2,970,179, 1–31–61, Cl. 260—683.15.
Glazer, Irving D., to Dura Pak Corp. Bottle carrier. 2,996,329, 8–15–61, Cl. 294—87.2.
Glazer, Irving D., to Dura Pak Corp. Bottle carrier. 3,003,805, 10–10–61, Cl. 294—87.2.
Glazier, Douglas C., Sr.: *See*—
Ferrara, Joseph R., and Glazier. 2,968,503.
Gleasman, Hollis K.: *See*—
Hood, Edwin E., and Gleasman. 2,972,908.
Gleasman, Hollis K., to The Bendix Corp. Coaster brake for velocipedes and the like. 2,985,269, 5–23–61, Cl. 192—6.
Gleasman, Hollis K., to The Bendix Corp. Semi-automatic two-speed hub gearing for velocipedes. 2,993,389, 7–25–61, Cl. 74—750.
Gleason, Anthony H.: *See*—
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Gleason, Anthony H., to Esso Research and Engineering Co. Multiolefin-vinyl aromatic copolymers. 2,993,057, 7–18–61, Cl. 260—346.6.
Gleason, Anthony H., and T. M. Mozell, to Esso Research and Engineering Co. Telomers of hydrocarbon olefins and methyl-containing cyclic organic compounds. 2,993,050, 7–18–61, Cl. 260—290.
Gleason, Anthony H., and O. C. Slotterbeck, to Esso Research and Engineering Co. Removing alkali metal catalysts from polymers. 2,999,891, 9–12–61, Cl. 260—669.
Gleason, Glen L.: *See*—
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Gleason, Jack Q. Cigar box assembly. 2,977,171, 3–28–61, Cl. 312—31.
Gleason, John J., to The Rath Packing Co. Triglyceride shortening composition and method for preparing the same. 2,970,055, 1–31–61, Cl. 99—118.
Gleason, Quin R., T. F. W. Meyer, and R. D. Wiley, to Master Pneumatic, Inc. Device for discharging accumulated water. 2,998,825, 9–5–61, Cl. 137—195.
Gleason Reel Corp.: *See*—
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Adair, Robert V., and Bauer. 3,007,823.
Carlsen, Leonard O. 2,972,912.
Carlsen, Leonard O. 2,999,429.
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Dammert, Earl D., and De Wolf. 2,974,811.
Donohoe, Martin A. 2,978,921.
Donohoe, Martin A. 2,982,028.
Hider, Glenn A. 3,007,345.
King, Charles B., and Spear. 2,974,399.
Pedersen, Harry. 2,978,963.
Slayton, Ensign T. 2,978,792.
Spear, Gilmore M. 2,974,398.
Wrubleski, Felix P. 3,007,373.
Gleckler, George C., and G. L. Sutherland, to American Cyanamid Co. Acrylamide monomer polymerization inhibitor. 2,999,881, 9–12–61, Cl. 260—561.
Gleim, William K. T.: *See*—
Brown, Kenneth M., and Gleim. 2,976,229.
Stolfa, Frank, Gleim, and Urban. 2,994,589.
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Gleim, William K. T., to Universal Oil Products Co. Preparation of O-acetyl-p-alkoxyphenol. 2,991,303, 7–4–61, Cl. 260—479.
Gleim, William K. T., to Universal Oil Products Co. Stabilization of organic compounds. 3,010,812, 11–28–61, Cl. 44—78.
Gleim, William K. T., and R. B. Thompson, to Universal Oil Products Co. α-quinoneylidine ethyl β-hydroxy aryl β-phosphoric acid ester. 2,969,378, 1–24–61, Cl. 260—396.
Gleim, William K. T., to Universal Oil Products Co. Antiozonation of rubber with substituted phenols. 2,984,694, 5–16–61, Cl. 260—810.
Gleim, William K. T., and P. Urban, to Universal Oil Products Co. Treatment of hydrocarbon distillates. 2,988,500, 6–13–61, Cl. 208—206.
Gleim, William K. T., and R. B. Thompson, to Universal Oil Products Co. Phosphoric acid esters of stilbene quinones. 2,990,420, 6–27–61, Cl. 260—461.
Gleitsman, Harold, and C. Fuerst, to Gleitsman's, Inc. Adjustable ottoman. 2,994,364, 8–1–61, Cl. 297—439.
Gleitsman's, Inc.: *See*—
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Glembring, Allan G. O. Improvements in apparatus for receiving, assorting and storing of empty milk bottles and the like. 2,999,576, 9–12–61, Cl. 194—4.
Glemby Co., Inc., The: *See*—
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Glenair, Inc.: *See*—
Kirk, Clair E., Jr. 3,009,129.
Mintz, Wilfred L., and Montgomery. 2,972,492.
Glenco Refrigeration Co.: *See*—
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Glenday, Martin J., and D. E. O'Connor, to Clinton Engines Corp. Ignition system for internal combustion engines. 2,982,805, 5–2–61, Cl. 123—149.
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Glenn-Killian Color Co.: *See*—
Bradt, Herbert. 2,990,715.
Glenn, Richard A., to P. Vakos. Spring-impulse engine starter. 2,997,997, 8–29–61, Cl. 123—179.
Glenn, Richard A., to P. Vakos. Spring brake for gasoline engine starter. 3,000,471, 9–19–61, Cl. 188—82.6.
Glenn, Robert G.: *See*—
Moy, Tsoy K., and Glenn. 2,971,327.
Glenn, William E., Jr., to General Electric Co. Optical apparatus. 2,995,067, 8–8–61, Cl. 88—61.
Glenn, William G. Turbidimeter. 2,971,431, 2–14–61, Cl. 88—14.
Glenner, Edward J., and I. Molnar, to Automatic Electric Laboratories, Inc. Magnetic drum storage. 2,975,236, 3–14–61, Cl. 179—18.
Glenny, Arthur P.: *See*—
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Glenny, Arthur P., to The Sperry Gyroscope Co. Ltd. Safety device for control systems for aircraft. 2,973,650, 3–7–61, Cl. 74—5.6.
Glenny, Clarence S., to The Washburn Co. Hamburger press. Re. 24,935, 2–14–61, Cl. 17—32.
Glenny, Clarence S., to The Washburn Co. Flour sifter. 2,967,619, 1–10–61, Cl. 209—357.
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Glenton, Henry D., and J. W. Phipps, to Imperial Chemical Industries Ltd. Method for comminuting solid synthetic resinous materials. 2,993,400, 7–25–61, Cl. 83—15.
Glesmann, Herbert C., to International Harvester Co. Foot operated control mechanism for plurality of clutch assemblies. 2,991,862, 7–11–61, Cl. 192—48.
Glesmann, Herbert C., R. D. Barrett, and O. M. Dyrby, to International Harvester Co. Hand operated control mechanism for a plurality of clutch assemblies. 2,991,863, 7–11–61, Cl. 192—48.
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Gleszer, Kenneth M., to Dixon Sintaloy Inc. Tumble finishing process. 2,978,850, 4–11–61, Cl. 51—282.
Glezen, Lewis E., to Mid-West Metallic Products, Inc. Wire receptacle construction. 2,970,714, 2–7–61, Cl. 220—19.
Glick, Harvey L., to United States of America, Atomic Energy Commission. Device for metering neutronic flux, temperature, and coolant flow rate. 3,001,072, 9–19–61, Cl. 250—83.1.
Glickman, Lester M., and W. J. Bieganski, to United States of America, Army. Magnetic pulse width modulation system. 2,983,881, 5–9–61, Cl. 332—12.
Glickman, Mannes N. Holders for electrical devices. 2,999,964, 9–12–61, Cl. 317—234.
Glicksman, Maurice: *See*—
Steele, Martin C., and Glicksman. 3,010,034.
Glicksman, Maurice, to Radio Corp. of America. Semi-conductor frequency multiplier using the Hall effect. 3,011,069, 11–28–61, Cl. 307—88.5.
Glicksman, Maurice, to Radio Corp. of America. Hall-effect-type device with reversal of sign of Hall-effect voltage. 3,011,070, 11–28–61, Cl. 307—88.5.
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Atwood, Kenneth F., Long, and Shobe. 2,978,424.
Bain, Joseph P. 3,005,845.
Bain, Joseph P., and Booth. 2,972,631.
Bain, Joseph P., Gary, and Klein. 3,014,047.
Bain, Joseph P., Hunt, Klein, and Booth. 2,972,632.
Bain, Joseph P., and Webb. 3,014,080.
Bay, Paul G. 3,002,025.
Booth, Albert B. 2,972,635.
Cochran, Walter M., and Eber. 2,978,329.
Cochran, Walter M., Lutz, and Miller. 2,982,662.
Cochran, Walter M., Otto, Wonsiewicz, and Zwolanek. 2,972,541.
Eber, Fred, Ott, Cochran, and Kean. 3,011,896.
Hampton, Burt L. 2,978,468.
Hood, Everett D. 2,967,172.
Julian, Percy L., Iveson, Rodlove, Slutkin, and Davis. 3,004,853.
Kenworthy, Lester A. 3,001,854.
Klein, Eugene A. 2,972,633.
Millar, Ronald L., and Moore. 2,967,839.
Radlove, Sol B. 2,996,387.
Rummery, Frank O., Roseman, Appel, and Hamshey. 2,971,821.
Tessmer, Ernest H., and Wilhelm. 2,973,234.
Webb, Robert L. 2,995,600.
Woroch, Eugene L., and Cole. 2,990,422.
Glidden, Galen M., to Acme Protection Equipment Co. Damping means for modulating valve. 2,982,291, 5–2–61, Cl. 137—63.
Glidomatic Corp.: *See*—
Schwartzman, Gilbert. 2,974,350.
Gliebe, Francis J. Fishing net construction. 2,982,586, 5–2–61, Cl. 306—28.
Gliessman, John R.: *See*—
Becker, Milton, Cutler, and Gliessman. 3,001,894.
Glitsch, Fritz W., & Sons, Inc.: *See*—
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Glitsch, Hans C., and McClain. 3,008,553.
Glitsch, Hans C., to Fritz W. Glitsch & Sons, Inc. Fluid contact apparatus. 3,013,782, 12–19–61, Cl. 261—114.
Glitsch, Hans C., and R. W. McClain, to Fritz W. Glitsch & Sons, Inc. Vapor-liquid contact tray. 3,008,553, 11–14–61, Cl. 189—36.
Globe Illumination Co.: *See*—
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Globe Industries, Inc.: *See*—
Caton, Alfred M. 2,997,559.
Isaacson, Max. 2,986,665.
Globe Lighting Products, Inc.: *See*—
Cohen, Leon B. 2,978,575.
Rosenblatt, Isidor. 2,979,604.
Rosolia, Louis, and De Mauro. 3,004,148.
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Globe Mfg. Co.: *See*—
Freese, George E., Jr. 2,967,308.
Globe Plastic Co.: *See*—
Jodock, Marvin S. 3,000,533.
Globe, Samuel, to United States of America, Navy. Method of increasing sensitivity of vibration sensitive element. 3,002,062, 9–26–61, Cl. 200—61.01.
Globe Slicing Machine Co., Inc.: *See*—
Lundell, Arnold W. 2,970,622.
Lundell, Arnold W. 2,970,623.
Lundell, Arnold W. 2,970,624.
Lundell, Arnold W. 2,970,625.
Globe-Union Inc.: *See*—
Brownlee, Allen L., Guernsey, and Smart. 2,996,560.
Diiger, Le Roy E., and Stuiber. 2,976,461.
Early, Paul F. 2,989,970.
Khouri, Alfred S. 2,989,665.
Marks, Bert H., and Sperry. 3,013,181.
Ploran, William J. 2,975,312.
Sherwood, Edwin T., and Schimek. 2,991,376.
Suter, George D. 2,981,860.
Youngbeck, Karl W., Goerg, and Schuette. 2,974,299.
Globo Investment Trust: *See*—
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Gloeckler, Fred A., to Star Sprinkle Corp. Dry pendant sprinklers. 3,007,528, 11–7–61, Cl. 169—41.
Glogover, Stanley, to De Luxe Girdlecraft Co., Inc. Nursing brassiere. 3,002,515, 10–3–61, Cl. 128—460.
Glomb, Walter L., to International Telephone and Telegraph Corp. Detector circuit. 2 996 613 8–15–61 Cl 250—20.
Glorioso, Paul A., to Nelson Stud Welding Div. Interlocking control unit. 2,969,483, 1–24–61, Cl. 315—362.
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Süs, Oskar, and Glos. 2,974,042.
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Gloss, Gunter H. 2,988,439.
Gloss, Gunter H., to International Minerals & Chemical Corp. Method for defluorination of phosphoric acid. 2,987,376, 6–6–61, Cl. 23—165.
Gloss, Gunter H., deceased, by F. Gloss, administrator, to International Minerals & Chemical Corp. Method of preparing a potassium polyphosphate glass fertilizer. 2,988,439, 6–13–61, Cl. 71—1.
Gloster Aircraft Co. Ltd.: *See*—
Cuss, John F. 2,989,786.
Glotzer, Jack. Adjustable pants and coat hanger. 3,001,676, 9–26–61, Cl. 223—90.
Glotzer, Jack. Adjustable pants hangers. 3,010,625, 11–28–61, Cl. 223—90.
Glover, Donald F. Apparatus for injecting clean-out members into flow lines. 3,011,196, 12–5–61, Cl. 15—104.06.
Glover, Earl W., to General Motors Corp. Universal joint. 2,981,084, 4–25–61, Cl. 64—21.
Glover, Earl W., to General Motors Corp. Universal joint. 2,983,119, 5–9–61, Cl. 64—21.
Glover, J. L.: *See*—
Camp, Marvin E. 2,992,436.
Camp, Marvin E. 2,993,088.
Glover, Robert E., to United States of America, Interior. Rotary still. 2,996,439, 8–15–61, Cl. 202—236.
Glover, Robert L. Weldable stud. 2,993,982, 7–25–61, Cl. 219—99.
Glover, Sidney T., to Imperial Chemical Industries Ltd. Cyclones. 3,011,638, 12–5–61, Cl. 209—211.
Glover, William S., and J. F. West, to Wheaton Glass Co. Reinforced glass aerosol containers. 2,991,896, 7–11–61, Cl. 215—12.
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Urbain, Leon F., and Glowacki. 2,997,269.
Glowzinski, Chester J., and J. J. Rosalik, to General Motors Corp. Lamp assembly. 2,970,209, 1–31–61, Cl. 240—52.1.

Gloyna, Robert R.: *See*—
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Gluchowicz, Gerson, to Ulvsunda Verkstader Aktiebolag. Machine for grinding workpieces to narrow tolerances. 3,003,293, 10–10–61, Cl. 51—165.
Gluck, Samuel: *See*—
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Gluck, William, to Industrial Electronic Hardware Corp. Pin grip for printed circuit board. 2,969,517, 1–24–61, Cl. 339—17.
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Gluck, William, and S. Offerman, to Industrial Electronic Hardware Corp. Connector with strain relief for flat cable. 2,981,918, 4–25–61, Cl. 339—103.
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Gluckman, Muriel S., to Rohm & Haas Co. Process for the preparation of polymers containing mercapto groupings. 2,992,210, 7–11–61, Cl. 260—79.7.
Glucksman, John I., to Mergenthaler Linotype Co. Vacuum and pressure control valve for printing presses. 2,967,054, 1–3–61, Cl. 271—5.
Glueck, Samuel A., to American Smelting and Refining Co. Metal sweating process. 2,967,769, 1–10–61, Cl. 75—78.
Glueckhauf, Eugen, to The United Kingdom Atomic Energy Authority. Method of separating strontium from other fission products. 3,010,788, 11–28–61, Cl. 23—102.
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Glynn, Edwin A., to Super Mold Corp. of California. Tire drive unit for a tire detreading machine. 3,004,587, 10–17–61, Cl. 157—13.
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Glynn, James C. Buoyant boat bottom brush. 3,010,420, 11–28–61, Cl. 114—222.
Glynn, Theodore W., to American-Saint Gobain Corp. Stirring apparatus for molten glass. 2,968,487, 1–17–61, Cl. 279—16.
Glynn, Theodore W., to American-Saint Gobain Corp. Wire mesh machine. 2,971,543, 2–14–61, Cl. 140—3.
Glynn, Theodore W., to American-Saint Gobain Corp. Building facing panel. 2,999,043, 9–5–61, Cl. 154—118.
Gmeiner, James E. Tow clamp for ski pole. 3,001,483, 9–26–61, Cl. 104—173.
Gmitter, George T., and E. M. Maxey, to General Tire & Rubber Co. Cellular polyurethane elastomer and preparation of same using a morpholine catalyst. 2,993,868, 7–25–61, Cl. 260—2.5.
Gniadowski, Zbigniew: *See*—
Mally, George G., Lalli, and Gniadowski. 2,998,047.
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Goatcher, Frank, to Electric & Musical Industries ltd. Shifting registers. 2,994,070, 7–25–61, Cl. 340—174.
Gobalet, Kenneth C., to Baljak Corp. Pressure sections for box forming and box closing machines. 2,970,526, 2–7–61, Cl. 93—36.
Gobalet, Kenneth C., to Baljak Corp. Method of adhesively bonding foldable board. 2,984,598, 5–16–61, Cl. 154—120.
Gobat, Andre R., to International Telephone and Telegraph Corp. Semiconductor diode. 2,981,849, 4–25–61, Cl. 307—88.5.
Gobatti, Edmond F. Concentrator. 2,989,184, 6–20–61, Cl. 209—437.
Gobble, William T.: *See*—
Galonska, David A., and Gobble. 2,995,948.
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Gober, Henry F., Jr., to Eastman Kodak Co. Extrusion composition consisting of polyethylene and liquid dimethyl polysiloxanes. 2,992,201, 7–11–61, Cl. 260—29.1.
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Gochnour, David C.: *See*—
Berdine, Blake W., and Gochnour. 2,984,695.
Gochnour, Inc.: *See*—
Berdine, Blake W., and Gochnour. 2,984,695.
Godar, Charles L., to Etude et Realisation d'Outillage de Precision C. L. Godar et Cie. Automatic stop motion for automatic weapons. 2,986,073, 5–30–61, Cl. 89—27.
Godar, Richard L., and V. L. Stromberg, to Petrolite Corp. Thermally stable distillate fuels. 2,995,428, 8–8–61, Cl. 44—71.
Godart, Jean A. R. O. L.: *See*—
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Godat, Edward A., Jr., and J. B. Quintanilla, to American Metal Climax, Inc. Processing of selenium-containing metallurgical dusts and fumes. 3,008,806, 11–14–61, Cl. 23—209.
Goddard, Denis A., to Dominion Engineering Works Ltd. Oscillating mechanisms. 3,013,606, 12–19–61, Cl. 162—355.
Goddard, Douglas W. Method and means for forming continuous chair. 3,008,496, 11–14–61, Cl. 140—71.
Goddard, George W., to Bulova Research and Development Laboratories, Inc. Aerial and ground photographic equipment for photographing nuclear bomb explosion with automatically controlled interval filter and aperture settings. 2,998,762, 9–5–61, Cl. 95—12.5.
Goddard, John A., to Ronson Corp. Heating apparatus. 3,006,406, 10–31–61, Cl. 158—32.
Goddard, John A., and W. Retzler, to Ronson Corp. Gas fueled candle. 2,984,093, 5–16–61, Cl. 67—87.
Goddard, Lloyd E.: *See*—
Johnston, James D., and Goddard. 2,979,522.
Goddard, Lloyd E., and J. D. Odenweller, to Ethyl Corp. Preparation of organic compounds. 3,006,945, 10–31–61, Cl. 260—461.
Goddard, Myron C.: *See*—
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Goddard, Reginald E., and P. Smith, to Imperial Chemical Industries Ltd. Dimerisation of olefines. 3,004,087, 10–10–61, Cl. 260—683.15.
Goddard, Robert W., to Lockheed Aircraft Corp. Acceleration responsive devices. 2,976,378, 3–21–61, Cl. 200—61.45.
Goddard, Sidney, to British Nylon Spinners Ltd. Thread package wound from continuous filaments of a synthetic linear polymer. 2,980,362, 4–18–61, Cl. 242—176.
Godefroi, Erik F., to Parke, Davis & Co. Pyridine compounds and methods for producing the same. 2,981,737, 4–25–61, Cl. 260—293.
Godfrey, Charles E., to American Brake Shoe Co. Spike setter. 3,010,408, 11–28–61, Cl. 104—17.
Godfrey, Charles E., and W. T. Johnson, Jr., to American Brake Shoe Co. Impacting apparatus. 3,010,407, 11–28–61, Cl. 104—17.
Godfrey Conveyor Co., Inc.: *See*—
Deputy, Sherrill S. 3,000,521.
Godfrey, Ernest R., to Rite-Temp Mfg. Co. Cooling unit for dry cleaning plant. 2,988,900, 6–20–61, Cl. 62—394.
Godfrey, Howard J., to The Colorado Fuel and Iron Corp. Bridge wire and method of making same. 3,012,310, 12–12–61, Cl. 29—196.4.
Godfrey, James, to Bell Telephone Laboratories, Inc. Fabrication of semiconductor devices. 2,984,897, 5–23–61, Cl. 29—424.
Godfrey, James H., and K. Damijonaitis, to The Stanley Works. Depth gage for a motor operated hand tool. 2,988,119, 6–13–61, Cl. 144—136.
Godfrey, Kenneth L.: *See*—
Hamm, Philip C., and Godfrey. 2,990,265.
Hamm, Philip C., and Godfrey. 2,993,774.
Saul, George A., Baker, and Godfrey. 2,983,595.
Godfrey, Kenneth L., to Monsanto Chemical Co. Biologically active aralkylhalides. 2,977,210, 3–28–61, Cl. 71—2.3.
Godfrey, Kenneth L., to Monsanto Chemical Co. Method for controlling vegetation using polyhalogenated toluenes. 2,977,211, 3–28–61, Cl. 71—2.3.
Godfrey, Kenneth L., and D. D. Staker, to Monsanto Chemical Co. Lubricating oil containing branched chain alkyl amine derivatives of dicarboxylic acids. 2,977,309, 3–28–61, Cl. 252—51.5.
Godfrey, Michael D., to Consolidated Electrodynamics Corp. Liquid coating apparatus. 2,983,250, 5–9–61, Cl. 118—401.
Godfrey, Richard H., to Radio Corp. of America. Cathode-ray tubes of the focus-mask variety. 3,005,921, 10–24–61, Cl. 313—85.
Godfrey, Richard H., to Radio Corp. of America. Cathode-ray tubes of the focus-mask variety. 3,005,927, 10–24–61, Cl. 315—9.
Godfrey, Sir George, & Partners (Holdings) Ltd.: *See*—
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Godfrey, Theodore B., to United States of America, Army. Tail initiation with nose fuzes. 2,981,183, 4–25–61, Cl. 102—4.
Goding, John E. Plural compartment receptacle. 2,992,764, 7–18–61, Cl. 229—27.
Godley, John S., to Nelson Stud Welding Division of Gregory Industries, Inc. Corrosion inhibiting component for metal construction and method of using same. 2,993,110, 7–18–61, Cl. 219—99.
Godley, William P., to Minneapolis-Honeywell Regulator Co. Meter. 3,011,098, 11–28–61, Cl. 317—107.
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Rodgers, Dorothy F., and Godowsky. 2,996,744.
Godshalk, James B., and L. A. Medlar, to Fox Products Co. Temperature responsive battery servicing apparatus. 2,979,650. 4–11–61, Cl. 320—35.
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Meyer, Ferdinand C., and Godt. 2,983,729.
Godt, Henry C., Jr., to Monsanto Chemical Co. Octahydro-5*a*H, 10*a*H, 4*a*,9*a*-epoxydibenzo-*β*-dioxin-5*a*,10*a*-diol. 2,982,772, 5–2–61, Cl. 260—340.3.
Godtfredsen, Wagn O., and S. Lilsberg, to Lovens Kemiske Fabrik ved A. Kongsted. Method for the production of 6-methylsteroid derivatives. 2,996,523, 8–15–61, Cl. 260—397.3.
Goebel, Kenneth W., and L. G. Pierce, to Rohr Aircraft Corp. Jet engine exhaust sound suppressor and thrust reverser. 2,968,150, 1–17–61, Cl. 60—35.55.

Goebel, Max H.: *See*—
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Goebel, Robert S., and C. P. Scholz, to Production Control Units, Inc. Apparatus for dehydration of refrigeration hermetic compressors. 3,006,077, 10–31–61, Cl. 34—48.
Goebel, Walter, to Gersten Bros., Inc. Chairs with adjustable backs. 2,981,316, 4–25–61, Cl. 155—159.
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Goeckermann, Robert H., to United States of America, Atomic Energy Commission. Recovery of plutonium by carrier precipitation. 2,978,295, 4–4–61, Cl. 23—14.5.
Goeddel, Walter V., and M. T. Simnad, to United States of America, Atomic Energy Commission. Method of making metal bonded carbon bodies. 3,001,238, 9–26–61, Cl. 18—54.7.
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Goering, Kenneth J., to Oil Seed Products, Inc. Process of obtaining the proteinaceous feed material from mustard seed, rape seed and similar seeds. 2,987,399, 6–6–61, Cl. 99—2.
Goering, Kenneth J., to Oil Seed Products, Inc. Recovery of galacturonic acid. 2,987,448, 6–6–61, Cl. 195—2.
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Schubert, Friedrich, Goerrig, and Soll. 3,000,688.
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Dunn, Robert, and Goerss. 2,999,702.
Goertz, Raymond C., J. H. Grimson, and F. A. Kohut, to United States of America, Atomic Energy Commission. Manipulator for slave robot. 2,978,118, 4–4–61, Cl. 214—1.
Goertzel, Gerald, to Nuclear Development Corp. of America. Reactor reactivity meter. 2,982,473, 5–2–61, Cl. 235—197.
Goertzel, Gerald, and J. H. Greig, to Hogan Laboratories, Inc. Electronic computer system. 3,012,723, 12–12–61, Cl. 235—157.
Goesch, Reuben E., to L. R. Nelson Mfg. Co., Inc. Irrigation pipe carrier. Re. 24,976, 5–2–61, Cl. 214—1.
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Goett, John J., to United States of America, Atomic Energy Commission. Neutronic reactor system. 2,969,310, 1–24–61, Cl. 204—193.2.
Goettc, Fred W., III. Device to time gun drawing. 3,005,634, 10–24–61, Cl. 273—102.2.
Goettl, Adam D., to McGraw-Edison Co. Louver device. 2,974,581, 3–14–61, Cl. 98—40.
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Goettl, Albert B., to McGraw-Edison Co. Air directing louver device. 2,991,707, 7–11–61, Cl. 98—40.
Goettl, Albert B. Actuator for louver slats. 2,996,970, 8–22–61, Cl. 98—40.
Goettsch, Walter J., to Samuel M. Langston Co. Mechanism for reducing set-up time and maintenance of slotting, scoring, slitting and lap cutting apparatus. 3,003,403, 10–10–61, Cl. 93—58.2.
Goetz, Alexander, to California Institute Research Foundation. Gas supported bearing. 3,012,827, 12–12–61, Cl. 308—35.
Goetz, Alfred K., and E. L. Beach, to Westinghouse Electric Corp. Luminaire. 2,967,230, 1–3–61, Cl. 240—3.
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Goetz, Carlos C. Combination carrying case and hat. 3,011,173, 12–5–61, Cl. 2—196.
Goetz, Ernest F., to General Electric Co. Interlocking mechanism. 2,982,827, 5–2–61, Cl. 200—50.
Goetz George A., Jr.: *See*—
Abbe, Carl H., and Goetz. 2,969,753.
Goetz, John L., to Collins Radio Co. Seeking switch system. 3,001,118, 9–19–61, Cl. 318—467.
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Mahaffy, Reid A., and Harder. 3,009,299.
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Goetzel, Claus G.: *See*—
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Glaser, Wolfgang, and Kleissmann. 2,970,021.
Mayer, Ehrhard. 3,009,718.
Sell, Werner. 3,013,846.
Goetzinger, Marvin E., and P. A. Head. Stand for casket lowering devices. 2,980,980, 4–25–61, Cl. 27—26.
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Goff, Clarence D., and Detwiler. 2,966,785.
Goff, Charles B., Jr., and P. A. Manor, to Rockwell Mfg. Co. Automatic valve lubrication. 3,010,539, 11–28–61, Cl. 184—39.
Goff, Clarence D., and W. S. Detwiler, to D. D. Goff, A. N. Rubin, and C. D. Goff, co-partners, d.b.a. West Grove Hosiery Mills. Full-fashioned knitted brassiere. 2,966,785, 1–3–61, Cl. 66—176.
Goff, Clarence D., and W. S. Detwiler. Full-fashioned knitted foundation garment. 2,983,128, 5–9–61, Cl. 66—177.
Goff, David C., and G. E. Ziegler, to Zonolite Co. Water repellent aggregate. 3,010,840, 11–28–61, Cl. 117—21.
Goff, David D.: *See*—
Goff, Clarence D., and Detwiler. 2,966,785.
Goff, John C.: *See*—
Moore, Richard H., and Goff. 3,012,432.
Goff, John C. Hydrostatic pressure release mechanism. 2,966,851, 1–3–61, Cl. 102—13.
Goff, John C. Submarine mine and mooring means therefor. 2,971,462, 2–14–61, Cl. 102—13.
Goff, Leland D., and J. F. Thomas. Device for extracting rocks and other objects wedged between the wheels of dual wheels of vehicles. 3,014,697, 12–26–61, Cl. 254—113.
Goff, Leon E., Jr., to General Electric Co. Electric relay. 2,969,485, 1–24–61, Cl. 317—36.
Goff, Leon E., Jr., to General Electric Co. Protective relaying system for an electric power transmission circuit. 2,971,131, 2–7–61, Cl. 317—36.
Goff, Lindsay O.: *See*—
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Gorgens, Joseph E., and Goff. 3,012,583.
Goff, Stillman R.: *See*—
Lerner, Louis L., Goff, and Safianoff. 2,966,913.
Goff, William H., to Texaco Inc. Stabilization of wax acid greases by means of diphenol sulfides. 2,974,103, 3–7–61, Cl. 252—40.
Goffe, John H., to Socony Mobil Oil Co., Inc. Apparatus for determining the rate of flow of a liquid. 3,000,207, 9–19–61, Cl. 73—113.
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Ross, Albert, and Goffstein. 2,993,262.
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Gogins, Laird B. Toy building construction. 3,009,283, 11–21–61, Cl. 46—26.
Gogol, Mitchell. Means for reproduction of master shapes. 2,969,622, 1–31–61, Cl. 51—101.
Gogolick, Roland M., W. J. Finney, and R. L. Brown, to United States of America, Navy. Buoyancy control. 2,968,053, 1–17–61, Cl. 9—8.
Gohorel, Fernand P., to International Standard Electric Corp. Telephone systems. 2,979,642, 4–11–61, Cl. 317—139.
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Pleuger, Friedrich W., and Göhring. 2,976,812.
Pleuger, Friedrich W., and Gohring. 2,993,446.
Gohs, Howard C., and L. P. Brooks, to Trine Mfg. Corp. Illuminated push button switch. 2,980,784, 4–18–61, Cl. 200—159.
Goin, Charles M., to The American Agricultural Chemical Co. Concentration of phosphate mineral. 2,967,615, 1–10–61, Cl. 209—12.
Goins, John. Pipe handling tool. 2,973,988, 3–7–61, Cl. 294—15.
Goins, Robert R.: *See*—
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Goins, Robert R., to Phillips Petroleum Co. Production of solid olefin polymers using oxide catalysts and mixtures of N-hexane and cyclohexane as diluents. 2,981,723, 4–25–61, Cl. 260—88.2.
Goins, William C., Jr., J. L. Burba, Jr., and D. D. Dawson, Jr., to Gulf Oil Corp. Method of and composition for sealing lost circulation in wells. 2,990,016, 6–27–61, Cl. 166—29.
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Golaski, Theodore S. Multi-purpose cargo carrier. 3,004,678, 10–17–61, Cl. 214—450.
Golaski, Walter M. Cable stitch attachment for knitting machine. 3,004,415, 10–17–61, Cl. 66—96.

Golay & Co., Inc.: *See*—
Golay, Donaven E. 2,969,039.
Golay, Donaven E., to Golay & Co., Inc. Echelon milking system. 2,969,039, 1-24-61, Cl. 119—14.03.
Golay, Donaven E., to Chore-Boy Mfg. Co., Inc. Hog farrowing pen. 3,011,475, 12-5-61, Cl. 119—20.
Golay, Marcel J. E. Semi-conductor heat absorption means. 3,000,375, 9-19-61, Cl. 126—270.
Golay, Marcel J. E. Automatic terrain mapping system. 3,005,044, 10-17-61, Cl. 178—6.6.
Gold, David. Bi-area pilot parachute. 2,970,795, 2-7-61, Cl. 244—142.
Gold, David. Guidable parachute. 2,993,668, 7-25-61, Cl. 244—142.
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Bomzer, Herbert W., Gold, Wirfel, and Smith. 3,002,801.
Kaplan, Sidney J., Bomzer, Smith, and Gold. 2,973,587.
Gold, Edward, and H. W. Bomzer, to Sperry Rand Corp., Ford Instrument Co. Division. Method of making three dimensional models. 2,977,228, 3-28-61, Cl. 96—36.
Gold, Harold, and D. M. Straight. Gas turbine control system. 2,971,339, 2-14-61, Cl. 60—39.28.
Gold, Harold, and D. M. Straight. Pump. 2,996,998, 8-22-61, Cl. 103—126.
Gold, Harold, and D. M. Straight. Governor. 3,000,394, 9-19-61, Cl. 137—480.
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Gold, John, and C. J. Wilkinson, to General Motors Corp. Process for making a hydraulic diaphragm. 2,998,343, 8-29-61, Cl. 154—129.
Gold, Marvin H., to Aerojet-General Corp. Polynitroalkyl esters of alkenoic acids. 2,967,195, 1-3-61, Cl. 260—486.
Gold, Marvin H., to Aerojet-General Corp. Solid composite propellant containing acrylamide polymers. 3,000,713, 9-19-61, Cl. 52—.5.
Gold, Marvin H., to Aerojet-General Corp. Nitro isocyanates. 3,000,921, 9-19-61, Cl. 260—453.
Gold, Marvin H., and M. B. Frankel, to Aerojet-General Corp. Desensitized coated cyclonite and process of preparation. 3,000,719, 9-19-61, Cl. 52—5.
Gold, Marvin H., and L. Herzog, to Aerojet-General Corp. Gem-dinitroalkane-diamines. 3,000,952, 9-19-61, Cl. 260—583.
Gold, Marvin H., and G. B. Linden, to Aerojet-General Corp. Polynitro alcohols. 3,000,957, 9-19-61, Cl. 260—584.
Gold, Marvin H., and G. B. Linden, to Aerojet-General Corp. Polynitrodiols. 3,000,958, 9-19-61, Cl. 260—584.
Gold, Marvin H., and G. B. Linden, to Aerojet-General Corp. Polynitro diols. 3,000,965, 9-19-61, Cl. 260—635.
Gold, Robert D., L. Pensak, and M. C. Steele, to Radio Corp. of America. Rise-time amplifier employing an impact ionization device. 3,012,154, 12-5-61, Cl. 307—88.5.
Gold, Robert M.: *See*—
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Dulebohn, David H., and Gold. 2,989,639.
Gold, Robert M., and H. D. Carlson, to Dayton Rogers Mfg. Co. Die cushion. 3,013,791, 12-19-61, Cl. 267—1.
Gold, Russell S. Number game device. 3,005,268, 10-24-61, Cl. 35—31.
Gold, Victor: *See*—
Beattie, Ian R., and Gold. 2,995,016.
Goldann, Karl: *See*—
Kirstahler, Alfred, and Goldann. 2,989,484.
Goldann, Karl, to Bohme Fettchemie G.m.b.H. Process for the improvement of shaped thermoplastic materials containing carbonamide groups. 2,989,364, 6-20-61, Cl. 8—115.5.
Goldann, Karl, to Bohme Fettchemie G.m.b.H. Process for the improvement of shaped thermoplastic materials containing carbonamide groups. 2,998,295, 8-29-61, Cl. 8—115.5.
Gold-Aubert, Philippe, to Laboratoire Sapos. Piperazine derivatives. 2,996,506, 8-15-61, Cl. 260—268.
Goldbeck, Leroy J., to Kimberly-Clark Corp. Manufacture of cellulosic product. 2,985,540, 5-23-61, Cl. 117—76.
Goldberg, Arthur E., and D. L. Fain, to Comptometer Corp. Radiation pyrometer. 2,968,946, 1-24-61, Cl. 73—355.
Goldberg Brothers, Inc.: *See*—
Goldberg, Jacob M. 3,007,758.
Goldberg, Chester J. Collapsible broiler. 2,972,942, 2-28-61, Cl. 99—421.
Goldberg, David N. Adjustable length friction unit assembly for brake or clutch structures. 2,974,771, 3-14-61, Cl. 192—107.
Goldberg, David N. Friction unit assembly for brake or clutch structures. 2,993,577, 7-25-61, Cl. 192—107.
Goldberg, David N. Brake or clutch assembly particularly adapted for vehicular use. 3,001,622, 9-26-61, Cl. 192—76.
Goldberg, Emanuel, and H. Refractometers. 2,972,926, 2-28-61, Cl. 88—14.
Goldberg, Ernest. Package for tea or other infusion commodities. 2,986,269, 5-30-61, Cl. 206—.5.
Goldberg, Eugene J.: *See*—
Julian, Sanford. 3,001,530.
Goldberg, Eugene P., to General Electric Co. Resinous mixture comprising organopolysiloxane and polymer of a carbonate of a dihydric phenol, and products containing same. 2,999,835, 9-12-61, Cl. 260—42.
Goldberg, Eugene P., to General Electric Co. Copolymer containing polycarbonate and polysiloxy constituents. 2,999,845, 9-12-61, Cl. 260—47.
Goldberg, Harold D. Bed rail. 2,979,738, 4-18-61, Cl. 5—331.
Goldberg, Harry, to Modern Dust Bag Co., Inc. Cut and scored tabs in cardboard collar. 2,975,862, 3-21-61, Cl. 183—51.
Goldberg, Helen C.: *See*—
Shropshire, Ralph F. 3,013,689.
Goldberg, Herbert: *See*—
Goldberg, Emanuel, and H. 2,972,926.
Goldberg, Herbert E. Industrial refractometers. 3,012,465, 12-12-61, Cl. 88—14.
Goldberg, Howard M. Shoe. 3,002,296, 10-3-61, Cl. 36—2.5.
Goldberg, Jacob, to Edgerton, Germeshausen and Grier, Inc. Focusing field correction apparatus. 2,994,803, 8-1-61, Cl. 315—27.
Goldberg, Jacob M., to Goldberg Brothers, Inc. Reeled articles storage and carrying case. 3,007,758, 11-7-61, Cl. 312—20.
Goldberg, Joseph E.: *See*—
Goldberg, Mark L. 2,978,739.
Goldberg, Mark L., ⅛ to J. E. Goldberg and ⅛ to L. S. Kahn. Method of deboning cooked poultry. 2,978,739, 4-11-61, Cl. 17—45.
Goldberg, Maximilian M. Computer operating means. 2,991,008, 7-4-61, Cl. 235—145.
Goldberg, Morris I. Convertible stroller and baby carriage. 2,967,059, 1-3-61, Cl. 280—31.
Goldberg, Nathan C. Collapsible bed frame construction. 2,985,894, 5-30-61, Cl. 5—176.
Goldberg, Paul, to Sylvania Electric Products Inc. Phosphor. 2,982,876, 5-2-61, Cl. 313—108.
Goldberg, Paul, to Sylvania Electric Products Inc. Electroluminescent device. 2,991,384, 7-4-61, Cl. 313—108.
Goldberg, Paul, and A. L. Solomon, to Sylvania Electric Products Inc. Process for producing phosphors. 2,982,740, 5-2-61, Cl. 252—301.6.
Goldberg, Ralph. Adjustable metal doorframe and method for installing same. 3,007,559, 11-7-61, Cl. 189—46.
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Germeshausen, Kenneth J., and Goldberg. 2,992,874.
Germeshausen, Kenneth J., Goldberg, and McDonald. 2,977,501.
Goldberg, Seymour, and K. J. Germeshausen, to Edgerton, Germeshausen and Grier, Inc. Electron-beam deflection system. 3,005,128, 10-17-61, Cl. 315—18.
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Goldblatt, Leo A., and L. L. Hopper, Jr., to United States of America, Agriculture. Paint vehicle with fungicidal properties. 2,984,632, 5-16-61; Cl. 260—18.
Goldblatt, Leo A., L. L. Hopper, and E. T. Rayner, to United States of America, Agriculture. Process for simultaneous alcoholysis and gasproofing of tung oil. 2,999,104, 9-5-61, Cl. 260—400.6.
Goldblatt, Leo A., L. L. Hopper, Jr., and E. T. Rayner, to United States of America, Agriculture. Process for simultaneous alcoholysis and gasproofing of tung oil, and production of alkyd resins therefrom. 3,008,910, 11-14-61, Cl. 260—22.
Goldblum, Kenneth B.: *See*—
Wetzel, John W., and Goldblum. 2,978,298.
Goldblum, Kenneth B., to General Electric Co. Resinous compositions. 3,014,891, 12-26-61, Cl. 260—47.
Golde, H. T., G.m.b.H. & Co. K.G.: *See*—
Werner, Johannes. 2,973,990.
Werner, Johannes. 2,973,991.
Werner, Johannes. 2,986,954.
Werner, Johannes. 2,991,662.
Werner, Johannes. 3,005,226.
Golde, Hans: *See*—
Bishop, William H., and Golde. 2,985,483.
Werner, Johannes. 2,991,662.
Golde, Hans. Sliding roof having a rigid sliding cover. 2,968,514, 1-17-61, Cl. 296—137.
Golde, Hans T. Closure mechanism. 2,987,331, 6-6-61, Cl. 287—85.
Golden, Arthur F. Airplane strut ratchet wrench. 2,982,162, 5-2-61, Cl. 81—90.
Golden, Bertie C., to Millhiser Bag Co., Inc. Core bag machine. 3,008,436, 11-14-61, Cl. 112—104.
Golden, Carl E. Swirl burner. 2,985,234, 5-23-61, Cl. 158—116.
Golden, Jacob M. Swivel joints for electric fixtures. 2,990,204, 6-27-61, Cl. 287—91.
Golden, Kenneth E., to Sawyer's Inc. Folded plastic stereoscopic viewer. 3,005,378, 10-24-61, Cl. 88—29.
Golden, Martin P., to General Electric Co. Electrode forming and mounting apparatus. 3,005,252, 10-24-61, Cl. 29—25.2.
Golden, Sam M.: *See*—
Woodward, Stewart A., and Golden. 2,968,704.
Golden, Sanford S. Chair constructions. 2,985,228, 5-23-61, Cl. 155—177.
Golden, Sanford S., to Ritter Co., Inc. Contour chair. 2,987,116, 6-6-61, Cl. 155—191.

Golden, Sanford S., and N. G. Stasinos; said Stasinos assor. to said Golden. Transportation chair. 3,014,686, 12–26–61. Cl. 248—382.
Golden, William L.: *See*—
Bredberg, Burrell R., and Golden. 2,976,609.
Goldenberg, Leo. Purification of titanium. 2,986,502, 5–30–61, Cl. 204—64.
Goldenberg, Michael. Bowling shoes. 3,011,272, 12–5–61, Cl. 36—2.5.
Goldenthal, Allan B., to William Douglas McAdams, Inc. Display device. 2,971,271, 2–14–61, Cl. 35—17.
Goldenthal, Edgar J. Roll-up bed. 3,001,211, 9–26–61, Cl. 5—202.
Goldey, James M., to Bell Telephone Laboratories, Inc. Two-terminal semiconductive switch having five successive zones. 2,980,810, 4–18–61, Cl. 307—88.5.
Goldey, James M., and I. M. Ross, to Bell Telephone Laboratories, Inc. Semiconductor switch. 2,993,154, 7–18–61, Cl. 317—235.
Goldfarb, Adolph E. Flipper game. 3,009,701, 11–21–61, Cl. 273—96.
Goldfarb, Adolph E. Battery operated toy adapted to simulate a dental drill. 3,011,287, 12–5–61, Cl. 46—39.
Goldfarb, Simon. Retractile awning. 3,002,555, 10–3–61, Cl. 160—62.
Goldfus, Samuel M., to Motorola, Inc. Detachable supporting rack. 2,980,379, 4–18–61, Cl. 248—206.
Goldhaft, Tevis M., and C. Kaitz, to Vineland Poultry Laboratories. Sulfonamide drug and terephthalic acid composition. 2,973,298, 2–28–61, Cl. 167—51.5.
Goldhamer, Walter M., to Die Casting Research Foundation, Inc. Die casting machine and casting process. 3,006,043, 10–31–61, Cl. 22—73.
Goldhammer, Albert, to Bodenseewerk Perkin-Elmer & Co., G.m.b.H. Mask and mirror actuator for reflex camera. 3,000,285, 9–19–61, Cl. 95—42.
Goldie, Charles H., to High Voltage Engineering Corp. Self-excited variable capacitance electrostatic generator. 3,013,201, 12–12–61, Cl. 322—2.
Goldie, Charles H., to High Voltage Engineering Corp. Loss current diminisher for compact neutron source. 3,014,132, 12–19–61, Cl. 250—84.5.
Golding, Edward F.: *See*—
Bright, Clyde E. 2,968,453.
Golding, Edwin I. Filters for cigarettes and cigars and method of manufacturing same. 3,006,346, 10–31–61, Cl. 131—10.
Golding, Frank E., to Toledo Scale Corp. Weighing scale. Re. 24,969, 4–18–61, Cl. 177—200.
Golding, Frank E., to Toledo Scale Corp. Electrical displacement measuring servosystem. 2,992,373, 7–11–61, Cl. 318—28.
Golding, William F. Printer's chases. 2,975,709, 3–21–61, Cl. 101—391.
Golding, William F. Printing or like machines. 2,975,917, 3–21–61, Cl. 214—95.
Golding, William F. Sheet delivery apparatus. 2,991,998, 7–11–61, Cl. 271—68.
Golding, William F. Form for working on sheets. 2,996,983, 8–22–61, Cl. 101—384.
Golding, William F. Printer's chases. 2,996,984, 8–22–61, Cl. 101—391.
Goldman, Abraham: *See*—
Fain, Jacob M., and Goldman. 2,967,163.
Goldman, Arthur: *See*—
Kleiman, Morton, and Goldman. 3,000,974.
Goldman, Arthur, and S. B. Richter, to Velsicol Chemical Corp. Production of pesticidal compounds. 2,986,491, 5–30–61, Cl. 167—30.
Goldman, Arthur, and M. Kleiman, to Velsicol Chemical Corp. Chlorinated derivatives of diels-alder adduct of tetrachlorocyclopentadiene and cyclopentadiene. 3,000,973, 9–19–61, Cl. 260—648.
Goldman, David A., to General Precision Inc. Wind computer for high speed aircraft. 3,011,715, 12–5–61, Cl. 235—187.
Goldman, Felix B., to Texlon Corp. Reel for use on spindles of different diameters. 2,969,931, 1–31–61, Cl. 242—71.8.
Goldman, Irwin, to Sylvania Electric Products Inc. Clock. 3,003,305, 10–10–61, Cl. 58—50.
Goldman, Jerome A.: *See*—
Dvorkovitz, Vladimir, and Goldman. 2,982,736.
Goldman, Karl L. Hosiery package. 2,995,237, 8–8–61, Cl. 206—45.33.
Goldman, Max, to E. I. du Pont de Nemours and Co. Tubular film stretching process. 2,979,777, 4–18–61, Cl. 18—57.
Goldman, Max, to E. I. du Pont de Nemours and Co. Extrusion process and apparatus for forming tubular film. 3,008,185, 11–14–61, Cl. 18—14.
Goldman, Morton: *See*—
Lapp, Roger H., Goldman, Goss, and Froelich. 2,989,124.
Goldman, Richard G., to General Electric Co. Ultrasound thickness gauge. 3,006,184, 10–31–61, Cl. 73—67.8.
Goldman, Sanford L. Flexible transparent loose leaf binder. 2,995,387, 8–8–61, Cl. 281—29.
Goldman, Stanley H., to Boonton Molding Co. Protective case for medical thermometer. 3,010,569, 11–28–61, Cl. 206—16.5.
Goldmann, Boleslaw M. G. Machines. 3,012,545, 12–12–61, Cl. 121—45.
Goldmark, Peter C., to Columbia Broadcasting System, Inc. Phonograph reproducer. 2,974,961, 3–14–61, Cl. 274—9.
Goldmark, Peter C., and J. W. Christensen, to Columbia Broadcasting System, Inc. Recording reproducing system. 3,005,056, 10–17–61, Cl. 179—100.2.
Goldmark, Peter C., B. B. Bauer, and J. M. Hollywood, to Columbia Broadcasting System, Inc. Stereophonic recording. 3,013,125, 12–12–61, Cl. 179—100.4.
Goldner, George H.: *See*—
Barefoot, John R., and Goldner. 2,999,217.
Goldrick, Richard J., F. W. Kinsman, and L. Line, to Bell Telephone Laboratories, Inc. Apparatus for stowing and preparing for overboarding a submarine cable including rigid instrumentality housings. 2,973,919, 3–7–61, Cl. 242—128.
Goldring, John E., to Modernair Corp. Stroke adjustment for drive cylinders and the like. 2,976,844, 3–28–61, Cl. 121—38.
Goldring, John E., to Modernair Corp. Pneumatic-hydraulic drive cylinder. 2,976,845, 3–28–61, Cl. 121—38.
Goldring, John E., to Modernair Corp. Valve-in-head pneumatic cylinder. 2,976,852, 3–28–61, Cl. 121—46.5.
Goldsborough, Shirley L., to Westinghouse Electric Corp. Single-compensator three-phase relays. 2,973,461, 2–28–61, Cl. 317—47.
Goldsborough, Shirley L., and J. G. Chevalier, to Westinghouse Electric Corp. Three-compensator three-phase relays. 2,973,463, 2–28–61, Cl. 317—47.
Goldsby, Arthur R., and L. A. Clarke, to Texaco Development Corp. Alkylation process. 3,000,991, 9–19–61, Cl. 260—683.46.
Goldschmidt, Th., A.G.: *See*—
Brugger, Willhelm. 3,000,703.
Rossmy, Gerd. 2,980,507.
Goldschmidt, Hans, and J. W. Edgemond, Jr., to Yuba Consolidated Industries, Inc. Sliding table saw. 2,974,693, 3–14–61, Cl. 143—52.
Goldschmidt, Herbert. Can closure. 2,992,755, 7–18–61, Cl. 220—40.
Goldsmid, Hiroshi J., and A. R. Sheard, to The General Electric Co. Ltd. Thermocouples. 2,990,439, 6–27–61, Cl. 136—5.
Goldsmith, Adrian M.: *See*—
McKay, Michael W., and Goldsmith. 2,994,866.
Goldsmith, Alfred N., and R. C. Kennedy, to Radio Corp. of America. Television systems. 2,989,580, 6–20–61, Cl. 178—5.1.
Goldsmith, Charles N., and K. C. Barnes-Moss, to C.A.V. Ltd. Governors for internal combustion engines. 3,007,463, 11–7–61, Cl. 123—140.
Goldsmith, George J., to Radio Corp. of America. Ferroelectric devices. 2,985,759, 5–23–61, Cl. 250—83.3.
Goldsmith, Henry A., to Solventol Chemical Products, Inc. Paint stripper composition. 2,971,919, 2–14–61, Cl. 252—139.
Goldsmith, Henry A., and B. Ray, to Solventol Chemical Products, Inc. Paint stripper composition. 2,971,918, 2–14–61, Cl. 252—135.
Goldsmith, Herbert. Missile launcher. 2,973,691, 3–7–61, Cl. 89—1.7.
Goldsmith, Herbert Missile launcher. 2,993,411, 7–25–61, Cl. 89—1.7.
Goldsmith, Herbert. Missile launcher. 2,993,412, 7–25–61, Cl. 89—1.7.
Goldsmith, Kurt, to Textile Mills Co. Ironing board cover. 3,007,267, 11–7–61, Cl. 38—140.
Goldsmith, Leo J. Devices for removing moisture from the flow of gases. 2,968,360, 1–17–61, Cl. 183—36.
Goldsmith, Leo J. Tide-operated power device. 3,011,062, 11–28–61, Cl. 290—53.
Goldsmith, Lloyd T., to Warner Bros. Pictures, Inc. Magnetic film marking. 3,004,112, 10–10–61, Cl. 179—100.2.
Goldsmith, Louis: *See*—
Tosoni, Anthony L., Moloney, Goldsmith, and Glass. 2,978,447.
Goldsmith, Morty, to Metro Engineering Co. Ltd. Lifting bridle construction. 2,974,994, 3–14–61, Cl. 294—75.
Goldsmith, Robert, to General Plastics Corp. Process of making plastic impregnated sleeving. 2,972,549, 2–21–61, Cl. 117—4.
Goldstein, Arnold. Expandible pole lamp. 3,008,742, 11–14–61, Cl. 287—58.
Goldstein, Arthur, to Tru Balance Corsets, Inc. Elastic undergarment construction. 3,013,563, 12–19–61, Cl. 128—542.
Goldstein, Charles. Eyeglass case. 3,000,417, 9–19–61. Cl. 150—52.
Goldstein, Daniel, to Schenley Industries, Inc. Bottle closure with projections for severing seal. 2,970,711, 2–7–61, Cl. 215—46.
Goldstein, David: *See*—
Dasher, John O., and Goldstein. 2,993,757.
Goldstein, Herman B., to Sun Chemical Corp. Creaseproof fabric. 3,004,870, 10–17–61, Cl. 117—139.4.
Goldstein, Ladislas, to International Telephone and Telegraph Corp. Radiant energy source. 2,975,375, 3–14–61, Cl. 331—78.
Goldstein, Melvin M., to United States of America, Navy. Luminescent reconnaissance slate. 2,990,308, 6–27–61, Cl. 154—79.
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Maciszewski, Arthur H., Hupert, Goldstein, and Szubski. 2,973,491.
Maciszewski, Arthur H., Hupert, Goldstein, and Szubski. 2,976,494.

Goldsworthy, William B., and F. Landgraf, to Glastrusions, Inc. Apparatus for feeding plastic bars, tubes and like elongated stock. 2,990,091, 6–27–61, Cl. 226—112.
Goldtrap, Walter A.: *See*—
Koble, Robert A., and Goldtrap. 2997,432.
Goldtrap, Walter A., to Phillips Petroleum Co. Ash removal from polymerization products. 2,978,443, 4–4–61, Cl. 260—94.9.
Goldwater, Robert, and F. B. Calhoun, to Safeway Stores, Inc. Store ordering system and apparatus. 2,980,758, 4–18–61, Cl. 178—4.
Golec, Thomas, Jr., to Chrysler Corp. Fuel nozzle for gas turbine engine. 2,973,150, 2–28–61, Cl. 239—425.
Golick, George: *See*—
Lynch, George J., and Golick. 2,975,246.
Golladay, Lawrence R.: *See*—
Witmer, Harold G., and Golladay. 2,994,764.
Gollbach, Fred W. Latching mechanism. 2,976,070, 3–21–61, Cl. 292—25.
Goller, Herbert, to Ankerwerk Gebr. Goller. Apparatus for forming hollow plastic articles having an open neck portion by injection molding. 3,002,225, 10–3–61, Cl. 18—5.
Gollmar, Herbert A., to Koppers Co., Inc. HCN removal. 2,989,147, 6–20–61, Cl. 183—114.
Gollnick, Cyril R., to Leach Co. Material collecting vehicle. 2,986,290, 5–30–61, Cl. 214—83.36.
Gollwitzer, George E., to Kelsey-Hayes Co. Blank severing machine. 2,999,409, 9–12–61, Cl. 83—91.
Golner, Carl E. A. Adjustable limit gages. 2,984,013, 5–16–61, Cl. 33—143.
Goloff, Alexander: *See*—
Backlund, Robert R. B., Bailey, Goloff, Dowdall, and Kiley. 2,977,778.
Golub, Leo, and M. Zaiger. Windshield wiper. 3,006,018, 10–31–61, Cl. 15—250.42.
Golubics, John F. Separable fastener. 2,981,995, 5–2–61, Cl. 24—221.
Golucke, Karl: *See*—
Suter, Bruno, Golucke, Ehrhardt, Jakobs, Meder, Mroncz, and Frohlich. 3,003,219.
Gomersall, John R., to McGraw-Edison Co. Control for coffee maker. 2,972,038, 2–14–61, Cl. 219—44.
Gomes, Abilio A., to The Commercial Cable Co. Automatic telegraph message numbering apparatus. 2,997,533, 8–22–61, Cl. 178—2.
Gomes, Cyril R. Illuminated pen or pencil. 3,004,140, 10–10–61, Cl. 240—6.46.
Gomsi, Arne E., to General Aniline & Film Corp. Laminated structure and process for preparing same. 2,978,356, 4–4–61, Cl. 117—62.
Gonczy, Jeno: *See*—
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Gondouin, Michel, to Schlumberger Well Surveying Corp. Systems for well logging. 2,987,668, 6–6–61, Cl. 324—6.
Gondouin, Michel, to Schlumberger Well Surveying Corp. Well logging system. 2,992,389, 7–11–61, Cl. 324—7.
Gondouin, Michel, to Schlumberger Well Surveying Corp. Well logging apparatus. 3,007,107, 10–31–61, Cl. 324—1.
Gongoll, Vernon F., to The Electric Storage Battery Co. Nosepiece buckle. 3,007,173, 11–7–61, Cl. 2—14.
Gongwer, Calvin A.: *See*—
Higgins, Horace M., and Gongwer. 2,967,097.
Gongwer, Calvin A., to Aerojet-General Corp. Jet propulsion device for operation submerged in water. 2,971,325, 2–14–61, Cl. 60—35.5.
Gonsalves, Conrad J., to E. I. du Pont de Nemours and Co. Apparatus for bulking yarn. 2,982,000, 5–2–61, Cl. 28—1.
Gonzales, Augusto V. Combination lock for valises and the like. 3,008,321, 11–14–61, Cl. 70—74.
Gonzalez, Marcos L. Apparatus for removing axle journals of land vehicles. 3,007,241, 11–7–61, Cl. 29—266.
Good, Arthur L., to Robertshaw-Fulton Controls Co. Switch. 2,971,069, 2–7–61, Cl. 200—72.
Good, Arthur L., to Robertshaw-Fulton Controls Co. Float actuated valve. 2,990,842, 7–4–61, Cl. 137—202.
Good, Edwin M.: *See*—
Matthews, Lyle E., and Good. 3,014,341.
Good, Fred C., & Sons, Inc.: *See*—
Good, Raymond J. 2,972,243.
Good, George M., to Shell Oil Co. Production of gasoline by thermal cracking, catalytic cracking and reforming. 2,981,674, 4–25–61, Cl. 208—70.
Good, Paul F., to Albert F. Goetze, Inc. Food slice grouping machine. 2,989,105, 6–20–61, Cl. 146—94.
Good, Paul J., to Dynacolor Corp. Film processing apparatus. 2,967,473, 1–10–61, Cl. 95—94.
Good, Paul J., to Dynacolor Corp. Bonding machine for photographic mounts. 2,998,842, 9–5–61, Cl. 154—42.
Good, Raymond J., to Fred C. Good & Sons, Inc. Automatic knitting machine. 2,972,243, 2–21–61, Cl. 66—82.
Good, Wayne W., to Harter Corp. Chair. 2,970,639, 2–7–61, Cl. 155—191.
Good, Wayne W., to Harter Corp. Base or pedestal for chairs. 2,992,803, 7–18–61, Cl. 248—194.
Good, Wayne W., to Harter Corp. Portable stand. 2,993,740, 7–25–61, Cl. 311—60.
Good, William E.: *See*—
Jones, Charles H., and Good. 3,010,105.
Goodale, Walter D., Jr., and W. Pferd, to Bell Telephone Laboratories, Inc. Telephone pay station. 2,977,419, 3–28–61, Cl. 179—6.3.
Goodale, Walter D., Jr., and W. Pferd, to Bell Telephone Laboratories, Inc. Transistor oscillator identifier for communication systems. 3,004,105, 10–10–61, Cl. 179—6.3.
Goodall, William M., to Bell Telephone Laboratories, Inc. Electrical stroboscope. 3,009,105, 11–14–61, Cl. 324—77.
Goodbar, Mayo A., D. E. Coffey, G. A. Cocup, and R. S. Hull, to The National Cash Register Co. Automatic change dispensing cash register. 2,972,442, 2–21–61, Cl. 235—7.
Goode, James D., Jr. Pressure fed, wallboard taping machine. 3,007,837, 11–7–61, Cl. 156—461.
Goode, Kenneth E., R. P. Lannerd, and D. P. Zimmerman, to United States of America, Navy. Potentiometer insulating device. 2,968,779, 1–17–61, Cl. 338—166.
Goode, Rexford F.: *See*—
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Petersen, Gerald A. M., Goode, and Gustafson. 2,999,655.
Goode, Robert W., to G. A. Petersen. Constant torque variable speed drive. 2,991,024, 7–4–61, Cl. 242—86.5.
Goode, Robert W., to G. A. Petersen. Reel winder. 3,000,587, 9–19–61, Cl. 242—86.5.
Goode, William P., and R. M. Johnson, to United States of America, Navy. Aileron controlled spoiler operating mechanism. 2,981,503, 4–25–61, Cl. 244—90.
Goodell, John D.: *See*—
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Goodell, Everett M., and E. Lakatos, to Thompson Ramo Wooldridge Inc. Anti-collision system. 3,005,194, 10–17–61, Cl. 343—7.
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Gordon, John E., Goodemoot, and Dorf. 3,004,027.
Goodemote, George H., and D. E. Axe, to The O. M. Edwards Co., Inc. Resilient sash mounting for vehicles. 3,004,305, 10–17–61, Cl. 20—56.4.
Gooden, Kenneth E.: *See*—
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Goodenough, James G., and I. H. Swift, to Santa Barbara Research Center. Low temperature liquid transfer apparatus. 2,996,893, 8–22–61, Cl. 62—52.
Goodenough, Robert D., to The Dow Chemical Co. Process for the recovery and separation of lithium and aluminum from lithium aluminate complex. 2,977,185, 8–28–61, Cl. 23—25.
Goodenough, Robert D., and V. A. Stenger, to The Dow Chemical Co. Recovery of lithium from lithium aluminate complex. 2,980,497, 4–18–61, Cl. 23—25.
Goodenough, Robert D., and V. A. Stenger, to The Dow Chemical Co. Recovery of lithium from lithium bearing ores. 2,980,499, 4–18–61, Cl. 23—32.
Goodenough, Robert D., and V. A. Stenger, to The Dow Chemical Co. Strontium chromate from brine. 2,980,502, 4–18–61, Cl. 23—56.
Goodhue, Lyle D.: *See*—
Stansbury, Roy E., and Goodhue. 2,969,303.
Goodhue, Lyle D., to Phillips Petroleum Co. Method for eliminating growth of weeds. 2,997,379, 8–22–61, Cl. 71—2.3.
Goodhue, Lyle D., to Phillips Petroleum Co. Trithiophosphites as defoliants. 3,006,752, 10–31–61, Cl. 71—2.7.
Goodhue, Lyle D., to Phillips Petroleum Co. Synergistic insect repellent method and composition. 3,012,935, 12–12–61, Cl. 167—33.
Goodhue, Lyle D., R. P. Louthan, and K. E. Cantrel, to Phillips Petroleum Co. Insect combatting sulfoxides. 3,000,779, 9–19–61, Cl. 167—22.
Goodhue, Lyle D., and K. E. Cantrel, to Phillips Petroleum Co. Binary and ternary insect repellent compositions. 3,008,872, 11–14–61, Cl. 167—33.
Goodhue, William V., to United Shoe Machinery Corp. Automatic feed mechanisms. 2,988,963, 6–20–61, Cl. 89—33.
Goodhue, William V., and R. Heeley, to United Shoe Machinery Corp. Latches to prevent overthrow of ramming rolls for automatic guns. 2,990,752, 7–4–61, Cl. 89—47.
Goodhue, William V., and F. W. Higgins, to Lecsona Corp. Winding machine with load size thread snag. 3,012,734, 12–12–61, Cl. 242—39.
Gooding, Chester M., and D. Melnick, to Corn Products Co. Method of making potato chips. 2,973,268, 2–28–61, Cl. 99—100.
Gooding, Jack D., and H. C. Jennings, Jr., to Everest & Jennings, Inc. Hydraulically elevatable seat for chairs. 2,989,279, 6–20–61, Cl. 155—94.
Goodlaxson, John D., to The Maytag Co. Drive assembly. 3,013,645, 12–19–61, Cl. 192—18.
Goodliffe, Arthur W., P. S. Macgregor, and P. G. Procter, to Flight Refueling Inc. Apparatus for trailing a fluid-transmitting hose or tow-line from an aircraft. 2,973,163, 2–28–61, Cl. 244—3.
Goodloe, Alfred M., to Metal Textile Corp. Expanded sheet material. 2,989,145, 6–20–61, Cl. 183—71.
Goodman, Albert. Electronic video exposure control system for photographic printer. 2,968,215, 1–17–61, Cl. 88—24.
Goodman, Clark, to Schlumberger Well Surveying Corp. Well logging. 2,991,364, 7–4–61, Cl. 250—83.3.
Goodman, Clark, and J. T. Dewan, to Schlumberger Well Surveying Corp. Well logging methods and apparatus. 2,996,618, 8–15–61, Cl. 250—83.3.
Goodman, Donald: *See*—
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Goodman, Gilbert. Dielectric materials. 3,002,841, 10–3–61, Cl. 106—39.
Goodman, Harold. Dispensing device. 2,975,879, 3–21–61, Cl. 194—69.
Goodman, Harold C.: *See*—
Logue, Joseph C., and Goodman. 3,007,056.
Goodman, Hazen K.: *See*—
Hook, Albert S., Goodman, and Hutter. 2,977,178.
Goodman, Henry H., Jr., and L. T. Sherwood, Jr., to E. I. du Pont de Nemours and Co. Process of polymerizing formaldehyde in the presence of onium compounds as initiators. 2,994,687, 8–1–61, Cl. 260—67.
Goodman, Isaac: *See*—
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Goodman, Isaac, and R. A. Edington, to Imperial Chemical Industries Ltd. Manufacture of aromatic disulphonic acids. 2,978,500, 4–4–61, Cl. 260—505.
Goodman, Isaac S., to Westinghouse Electric Corp. Electroluminescent device. 2,988,661, 6–13–61, Cl. 313—108.
Goodman, Joseph J.: *See*—
Barsel, Norman, and Goodman. 2,984,572.
Miller, Philip A., Goodman, Sjolander, and McCormick. 2,987,449.
Goodman, Joseph J., and M. Matrishin, to American Cyanamid Co. Process of steroid fermentation. 2,982,693, 5–2–61, Cl. 195—51.
Goodman, Lawrence E., and J. M. Benjamin, Jr., to United States of America, Navy. Apparatus for providing alternating power of variable frequency. 3,005,351, 10–24–61, Cl. 74—5.6.
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Anderson, Edward L. 2,979,319.
Beck, William R., and Bunchak. 3,002,763.
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Hardy, James W., and Lo Presti. 2,983,363.
Hlinsky, Emil J., and Lundquist. 3,010,708.
Karlovsky, Jerry. 2,991,059.
Kraft, Robert H. 2,984,470.
Lo Presti, Roy F. 2,983,364.
Lo Presti, Roy F. 2,983,365.
Lo Presti, Roy F. 3,002,606.
Lo Presti, Roy F. 3,004,652.
Lo Presti, Roy F. 3,010,566.
Lo Presti, Roy F. 3,010,567.
Lo Presti, Roy F., and Vernon. 2,971,238.
Mavity, Warren H. 2,984,469.
Newton, John S. 3,014,706.
Risse, Ralph F., and Maddock. 3,008,698.
Robbins, James S. 2,988,348.
Silks, Walter. 2,982,529.
Goodman, Robert. Convertible sofa-bed. 2,982,975, 5–9–61, Cl. 5—13.
Goodman, Robert. Foldable bed frame-bed to contour chair. 3,003,160, 10–10–61, Cl. 5—69.
Goodman, Robert C., and E. G. Mastrolanni, to General Aniline & Film Corp. Apparatus for developing sensitized material. 3,012,492, 12–12–61, Cl. 45—94.
Goodmann, Eugene P., M. Gordon, and G. E. Thompson, to Standard Oil Co. Liquid phase contacting of hydrocarbons. 3,011,970, 12–5–61, Cl. 208—188.
Goodreau, Edward N. Crystal saver circuit. 2,985,753, 5–23–61, Cl. 250—13.
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Adams, Quandt M. 2,978,501.
Arnold, Lawrence F. 2,991,276.
Barns, Fred K. 3,011,211.
Barns, Fred K., and Thompson. 3,007,511.
Bartlett, Paul D., and Tate. 2,978,460.
Berens, Alan R. 3,004,958.
Blair, Roy D. 2,994,972.
Blomquist, Alfred T. 3,002,024.
Bracht, John P. 2,992,671.
Brown, Harold P. 2,981,721.
Brown, Harold P., and Anderson. 2,994,632.
Cohen, Louis. 2,972,588.
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Conklin, Lewis H., and McPherson. 2,978,515.
Cooper, Ralph F., and Yoho. 2,984,196.
Dannis, Mark L., and Ramp. 2,996,489.
Dinbergs, Kornelius. 3,010,939.
Durst, Kenneth R. 3,011,704.
Erickson, Lester E. 2,979,187.
Essig, Henry J. 3,007,887.
Glass, John A., and Jones. 2,980,655.
Gregg, Earl C., Jr. 2,968,640.
Hasselquist, Victor H. 2,979,978.
Hasselquist, Victor H. 3,006,569.
Hendry, Charles M. 2,983,726.
Hendry, Charles M., and Craig. 2,989,513.
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Hoffman, Olin M. 2,992,317.
Holloway, John A. 2,978,421.
Holloway, John A. 3,002,940.
Jones, John F. 2,978,436.
Jones, John F. 2,985,625.
Jones, John F., and Mital. 2,985,631.
Jones, John F., and Summers. 3,005,784.
Jones, John F., Tucker, and Arnold. 3,005,785.
Kelly, Arthur. 2,973,799.
Kuhlman, Arthur H., Jr. 2,985,217.
Kuts, Mathew, and Mullender. 2,968,344.
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Layer, Robert W. 2,975,213.
Le Blanc, Walter J. 2,967,427.
Maclay, William N. 2,970,975.
Maxey, Edwin M. 2,992,957.
McCulloch, Charles R. 2,986,553.
Mital, Alfred J., and Jones. 2,996,488.
Morris, Roger E. 2,969,343.
Morris, Roger E. 2,991,272.
Oswalt, Burlin W. 2,972,866.
Pennino, Charles J. 2,985,684.
Pennino, Charles J. 3,001,921.
Perry, Paul E. 3,013,643.
Sayre, Kenneth L. 2,975,158.
Schornstheimer, Robert E. 3,010,845.
Scott, Harvey, and Moore. 3,001,971.
Semegen, Stephen T. 2,973,284.
Semon, Waldo L., and Jones. 2,988,541.
Sherwood, Neil H. 2,987,421.
Summers, Robert M. 2,967,175.
Talalay, Anselm. 2,967,122.
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Te Pas, John A. 3,007,893.
Wearsch, Norman C., and De Paola. 3,002,017.
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Brockway, Charles E., and Ekar. 2,977,349.
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Walde, Robert A. 2,976,306.
Walsh, William L. 3,014,941.
Goodrich, Hunter C., to Radio Corp. of America. Automatic gain control circuits. 2,977,411, 3–28–61, Cl. 178—7.3.
Goodrich, Hunter C., to Radio Corp. of America. Signal amplitude discriminatory circuit. 3,005,048, 10–17–61, Cl. 178—7.3.
Goodrich, Judson E., to California Research Corp. Formolite resin-epoxy resin grease compositions. 3,008,899, 11–14–61, Cl. 252—32.
Goodrich, Ross H., to Joy Mfg. Co. Coal cutting, drilling and loading machine. 2,980,409, 4–18–61, Cl. 262—9.
Goodrich, Ross H., to Joy Mfg. Co. Conveying apparatus. 2,981,403, 4–25–61, Cl. 198—213.
Goodrich, Ross H., and C. P. Baldwin, to Joy Mfg. Co. Mobile drilling machine. 2,985,250, 5–23–61, Cl. 175—127.
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Goodrie, Raymond T. and J. J. 3,010,659.
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Goodrie, Raymond T., and J. J. Goodrie, deceased (E. L. Goodrie, administratrix), to Wrightway Engineering Co. Aerating device. 3,010,659, 11–28–61, Cl. 239—432.
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Faust, John P., and Goodspeed. 2,987,377.
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Jones, John P. 3,006,130.
Goodwin, Carl W., and J. P. Campanelli, to American Seal-Kap Corp. of Delaware. Paper container. 3,001,683, 9–26–61, Cl. 229—2.5.
Goodwin, Chester H., and W. R. McKelvy, Jr., to The Chemstrand Corp. Mechanical fiber opener for producing a sample sliver for testing purposes. 2,986,778, 6–6–61, Cl. 19—98.
Goodwin, Chester H., and W. R. McKelvy, Jr., to The Chemstrand Corp. Crimping apparatus. 2,990,584, 7–4–61, Cl. 19—66.
Goodwin, David P., and R. W. Spencer, to Sperry Rand Corp. Electronic switching network. 2,979,699, 4–11–61, Cl. 340—174.
Goodwin, Edwin C., Jr., and I. W. Paterson, to Allis-Chalmers Mfg. Co. Disconnecting contact. 3,009,043, 11–14–61, Cl. 200—166.
Goodwin, Harris A., to The Bastian-Blessing Co. Pressure and vacuum relief valve. 2,989,073, 6–20–61, Cl. 137—493.8.
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Goodwin, Lloyd O., to Pan American Petroleum Corp. Drill bit assembly. 2,997,119, 8–22–61, Cl. 175—101.
Goodwin, Manfred E., E. W. Sawyer, Jr., and H. A. Smith, to Minerals & Chemicals Philipp Corp. Non-sagging joint sealing compositions. 2,969,337, 1–24–61, Cl. 260—22.
Goodwin, Richard M.: *See*—
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Goodwin, Richard M., R. L. Imler, and W. E. Thompson, to General Motors Corp. Headlamp lead wire mounting apparatus. 3,006,058, 10–31–61, Cl. 29—25.2.
Goodwin, Robert J., to Gulf Research & Development Co. Well perforating apparatus. 2,974,727. 3–14–61, Cl. 166—55.5.

Goodwin, Robert J., and A. J. Teplitz, to Gulf Research & Development Co. Method and apparatus for plugging permeable formations. 3,004,599, 10–17–61, Cl. 166—38.
Goodwin, Roscoe H., to Curtiss-Wright Corp. Aircraft training apparatus for simulating the propeller system of turbo-propeller aircraft. 2,979,833, 4–18–61, Cl. 35—12.
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Colletti, Nicasio. 2,974,291.
Freeman, Arnold B. 2,976,198.
Hagopian, Jacob J., and Trego. 2,980,903.
Hassard, Richard S. 2,998,968.
Hermansdorfer, James E., and Mellander. 2,977,534.
Johnson, William C., Jr. 2,967,573.
Madigan, Basil M. 2,986,626.
Nielsen, James S., and Rankin. 3,004,477.
Postel, Carl E. 2,975,522.
Raffel, Bernard D. 2,967,796.
Ross, Robert S. 2,979,287.
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Appleby, Paul E. 2,998,053.
Bletso, Nelson C. 2,975,095.
Boenig, Hermann V. 2,998,451.
Chisnell, Doyle A., and Hirzel. 2,992,705.
Clark, Harold H. 2,986,849.
Cousins, Edward. 3,003,534.
Culbertson, James A., and Fuchs. 2,987,143.
Ford, Charles J., and Nisbet. 2,967,415.
Garrett, James C. 3,003,587.
Gerbeth, Gerhart L. 3,003,538.
Granfors, Paul G. 2,998,374.
Hardman, Albert F. 3,010,912.
Hawkes, Joseph S., and Sanderson. 2,983,954.
Hawley, Jesse G. 2,974,493.
Hirzel, Edgar A. 2,992,860.
Kamlet, Jonas. 3,008,936.
Kline, Richard H. 3,008,921.
Lal, Joginder. 2,984,656.
Larson, William M., and Rice. 2,992,939.
Leshin, Richard. 2,987,497.
Namsick, Raymond J. 2,974,912.
Namsick, Raymond J., Witti, and Jenkins. 2,998,601.
Pace, Henry A. 2,992,940.
Riggs, Mart B. 2,984,295.
Riggs, Mart B. 3,013,599.
Rogers, Thomas H., Jr., and Peabody. 2,975,146.
Ruof, Edgar J. 2,980,369.
Saltman, William M. 3,008,945.
Snyder, Robert F. 3,009,046.
Spacht, Ronald B. 2,967,853.
Spacht, Ronald B. 2,975,216.
Spacht, Ronald B. 2,975,217.
Spacht, Ronald B. 3,010,938.
Steigerwald, John R. 3,009,132.
Steigerwald, John R. 3,009,142.
Stoker, Carl B., Jr. 2,980,245.
Tuttle, Jack L., and Phillips. 2,974,970.
Urbon, John P. 2,967,558.
Urbon, John P. 2,987,093.
Urbon, John P. 2,987,094.
Vaughan, Paul J. 2,998,341.
Vaughan, Paul J. 3,003,903.
Wilson, Warren K. 2,967,786.
Wilson, Farris H., Jr. 2,984,646.
Winslow, Douglas L. 2,998,049.
Woodhall, Edwin S. 3,008,180.
Yakubik, Michael A. 2,987,103.
Goodykoontz, James R., Jr., to Hughes Aircraft Co. Electronic component module assembly apparatus. 2,992,475, 7–18–61, Cl. 29—203.
Goodzeit, Carl L., to General Motors Corp. Method of manufacturing sintered bearings. 2,994,606, 8–1–61, Cl. 75—214.
Gookin, Sylvester L., to United Shoe Machinery Corp. Element applying machines. 3,000,529, 9–19–61, Cl. 218—15.
Goordman, Robert V., to Bell Telephone Laboratories, Inc. Broadband amplifier using vacuum tubes and transistors. 3,015,071, 12–26–61, Cl. 330—3.
Goosens, Louis A. Vibrating machines. 2,988,340, 6–13–61, Cl. 259—72.
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Göpfert, Max, to Zahnradfabrik Friedrichshafen. Electromagnet. 2,976,464, 3–21–61, Cl. 317—191.
Göppinger Kaliko- und Kunstleder- Werke G.m.b.H.: *See*—
Jilge, Victor. 2,983,960.
Gora, Henry Z., to The Eagle-Picher Co. Molding apparatus. 2,980,961, 4–25–61, Cl. 18—21.
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Hoyer, Llewellyn E., and Gorcyca. 3,004,805.
Gordon, Arthur F., to Dow Corning Corp. Fluorine-containing silanes and their hydrolysis products. 2,983,711, 5–9–61, Cl. 260—46.5.
Gordon, Barnett D. Knitted garmet with breast cups and method of making. 2,969,662, 1–31–61, Cl. 66—89.
Gordon, Barnett D. Knitted garment with breast cups. 2,976,708, 3–28–61, Cl. 66—176.
Gordon, Bernard M., to Epsco, Inc. Electrical computing apparatus. 2,997,175, 8–22–61, Cl. 209—121.
Gordon, Bernard M., to Epsco, Inc. Signal form conversion apparatus. 3,005,964, 10–24–61, Cl. 332—19.
Gordon, Bernard M., to Epsco, Inc. Electromagnetic indicator. 3,009,140, 11–14–61, Cl. 340—319.
Gordon, Bernard M., and R. P. Talambiras, to Epsco, Inc. Information translating apparatus and method. 2,989,741, 6–20–61, Cl. 340—347.
Gordon, Bernard M., and E. T. Colton, to Epsco, Inc. Signal conversion apparatus. 2,997,704, 8–22–61, Cl. 340—347.
Gordon, Bernard M., and R. P. Talambiras, to Epsco, Inc. Data interpretation system. 2,998,595, 8–29–61, Cl. 340—174.1.
Gordon, Bryan, and B. A. Toxvard Powder dispensers. 3,013,698, 12–19–61, Cl. 222—158.
Gordon, Carroll M., to United States of America, Atomic Energy Commission. Irradiation transmutation capsule and method of fabrication. 2,975,113, 3–14–61, Cl. 204—154.2.
Gordon Co., Inc., The: *See*—
Ward, Frank T., and Read. 3,007,744.
Gordon, David A., to The Dow Chemical Co. N-substituted-2,6-xylidines. 3,005,026, 10–17–61, Cl. 260—577.
Gordon, David A., and B. E. Burgert, to The Dow Chemical Co. Substituted benzophenones. 2,967,186, 1–3–61, Cl. 260—348.
Gordon, David R.: *See*—
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Gordon, Dwight M., and A. E. Majewski; said Majewski assor. to General Motors Corp., said Gordon assor. to ACF Industries, Inc. Carburetor throttle control. 2,976,743, 3–28–61, Cl. 74—472.
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Gordon, Gerald M., R. Speiser, and J. W. Spretnak, to The Ohio State University Research Foundation. Niobium-zirconium base alloy. 2,985,531, 5–23–61, Cl. 75—174.
Gordon, Glenn A. Noise making toy. 3,003,280, 10–10–61, Cl. 46—175.
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Masheder, Henry A. 2,983,478.
Masheder, Henry A. 2,986,373.
Gordon, James H., to American Can Co. Method of and apparatus for reforming collapsed container bodies. 2,984,162, 5–16–61, Cl. 93—53.
Gordon, James H., S. A. Peterson, and G. M. Stone, to American Can Co. Canning machine. 3,001,343, 9–26–61, Cl. 53—112.
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Gordon, John E., K. Goodemoot, and F. B. Dorf, to American Cyanamid Co. Process for purification of 3,6-dichloropyridazine. 3,004,027, 10–10–61, Cl. 260—250.
Gordon, Julian E. Equipment for removing engine turbine rotors while installed in aircraft. 2,994,443, 8–1–61, Cl. 214—1.
Gordon, Leon B., to Standard Oil Co. Process for polymerizing propylene with a catalyst of aluminum trialkyl, titanium tetrachloride and metallic iron. 2,981,726, 4–25–61, Cl. 260—93.7.
Gordon, Maurice. Menstrual cycle indicating mechanism. 2,979,884, 4–18–61, Cl. 58—5.
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Gordon, Moses: *See*—
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Gordon, Moses, and G. D. Kerns, to Standard Oil Co. Acid treating for spray oil. 2,974,095, 3–7–61, Cl. 204—190.
Gordon, Norman W., and I. A. White, to The Birmingham Small Arms Co. Ltd. Production of ducted articles. 3,007,794, 11–7–61, Cl. 75—214.
Gordon, Philip N.: *See*—
Rennhard, Hans H., Conover, Gordon, and Stephens. 3,002,021.
Gordon, Philip N., to Chas. Pfizer & Co., Inc. Agricultural compositions and use. 2,988,478, 6–13–61, Cl. 167—33.
Gordon, Robert A., and J. E. Harvey, to Eastman Kodak Co. Negative carrier for 135 and 828 size negatives in strip form. 2,995,979, 8–15–61, Cl. 88—24.
Gordon, Robert M. Riveted handle for a knife or similar article and rivet device therefor. 2,995,821, 8–15–61, Cl. 30—344.

Gordon, Samuel H., to Resistance Welders Ltd. Electric resistance welding machines. 2,972,672, 2-21-61, Cl. 219—101.

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Schlesinger, Albert, and Gordon. 2,969,363.
Schlesinger, Albert, and Gordon. 2,997,479.
Schlesinger, Albert, and Gordon. 2,999,096.

Gordon, Stanley, to Contact Lens Guild Inc. Corneal contact lens with spiral vent ducts. 2,989,894, 6-27-61, Cl. 88—54.5.

Gordon, Stanley H. Submarine toy. 3,010,255, 11-28-61, Cl. 46—243.

Gordon, Stuart, to Imperial Chemical Industries Ltd. Igniter device. 3,011,441, 12-5-61, Cl. 102—70.

Gordon, Stuart A.: *See*—
Cole, Leland G., and Gordon. 3,005,514.

Gordon, William J. J.: *See*—
Marden, Carleton S., and Gordon. 2,974,651.

Gordos, Bela: *See*—
Szabo, Istvan, Bagi, Edel, and Gordos. 3,013,619.

Gordy, Harold M., to Hughes Aircraft Co. Electrical component locking arrangement. 2,982,883, 5-2-61, Cl. 317—101.

Gore, Bertram W., Jr.: *See*—
Barr, Irwin R., Bond, Gore, and La Costa. 3,004,475.

Gore, Jesse L., ½ to J. F. Jackson. Safety tire rim. 2,989,108, 6-20-61, Cl. 152—158.

Gore, Thomas J. Device for thinning hair. 2,972,187, 2-21-61, Cl. 30—30.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Process for precipitating a vanadium oxide product. 2,992,892, 7-18-61, Cl. 23—140.

Goren, Mayer B., and B. G. Marquardt, to Kerr-McGee Oil Industries, Inc. Soil improvement. 2,995,433, 8-8-61, Cl. 71—1.

Gorey, Archie H., to Graflex, Inc. Shutter for photographic cameras. 2,993,423, 7-25-61, Cl. 95—11.5.

Gorgens, Joseph E., and R. Goff, to Manning, Maxwell & Moore, Inc. Double-seated valve for high temperature work. 3,012,583, 12-12-61, Cl. 137—625.34.

Gori, Gio B.: *See*—
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Gorike, Rudolf, to Henry Heinrich & Co. Electro-acoustic devices. 2,971,597, 2-14-61, Cl. 181—31.

Goring, Cleve A. I.: *See*—
Youngson, Charles R., and Goring. 2,988,479.
Youngson, Charles R., and Goring. 3,003,914.
Youngson, Charles R., and Goring. 3,009,853.

Goring, Cleve A. I., to The Dow Chemical Co. Method for suppressing the nitrification of ammonium nitrogen present in soil. 3,009,804, 11-21-61, Cl. 71—1.

Goring, Cleve A. I., to The Dow Chemical Co. Method for suppressing the nitrification of ammonium nitrogen present in soil. 3,009,805, 11-21-61, Cl. 71—1.

Goring, Cleve A. I., to The Dow Chemical Co. Method for inhibiting nitrification of ammonium nitrogen in soil. 3,011,884, 12-5-61, Cl. 71—1.

Goring, Cleve A. I., to The Dow Chemical Co. Method and composition for suppressing the nitrification of ammonium nitrogen present in soil. 3,011,885, 12-5-61, Cl. 71—1.

Goring, Cleve A. I., to The Dow Chemical Co. Method and composition for suppressing the nitrification of ammonium nitrogen in soil. 3,011,886, 12-5-61, Cl. 71—1.

Gorjanc, Henry A., and A. J. Wakkila, to The Cleveland Crane & Engineering Co. Overhead monorail track switch. 2,996,017, 8-15-61, Cl. 104—102.

Gorman, James M., and A. C. Keith, to Seymour Foods, Inc. Dry food mix. 2,992,113, 7-11-61, Cl. 99—139.

Gorman, Leo I., and J. W. Faulkner, to Anaconda Wire and Cable Co. Electric cable. 3,013,109, 12-12-61, Cl. 174—113.

Gorman, William. Hand truck. 2,978,127, 4-4-61, Cl. 214—355.

Gorman, William G., to Sterling Drug Inc. Plastic spray bottle. 3,004,718, 10-17-61, Cl. 239—362.

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Ledin, Carl W., Gorman, and Engman. 3,005,675.

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Goros, Nathan, to Sealpak Corp. Infusion package for producing a coffee beverage. 2,968,560, 1-17-61, Cl. 99—77.1.

Gorsica, Henry J., to B. Heller & Co. Stabilized seasoning composition and method of making the same. 3,008,832, 11-14-61, Cl. 99—140.

Gorsky, Rudolph J., to General Motors Corp. Transmission. 2,977,821, 4-4-61, Cl. 74—732.

Gorsuch, Harold F., and R. F. Spangler, to Westinghouse Electric Corp. Control for clothes washer or dryer or the like. 3,008,059, 11-7-61, Cl. 307—141.8.

Gorter, Evert W., G. H. Jonker, H. P. J. Wijn, and J. A. Schulkes, to North American Philips Co., Inc. Ferromagnetic material. 2,977,312, 3-28-61, Cl. 252—62.5.

Gorter, Evert W., C. J. Esveldt, and H. Van Der Heide, to North American Philips Co., Inc. Ferrite core and method of making. 2,985,591, 5-23-61, Cl. 252—62.5.

Gortner, James L. Combination dust pan and shovel. 2,987,749, 6-13-61, Cl. 15—257.7.

Gortner, Willis A., to Pineapple Research Institute of Hawaii. Process for preparing pineapple stem phosphatase essentially free of protease activity. 3,002,890, 10-3-61, Cl. 195—62.

Gorton, Bert S., and N. L. Hause, to E. I. du Pont de Nemours and Co. Production of L-lysine from synthetic diaminopimelic acid. 2,976,218, 3-21-61, Cl. 195—29.

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Gorton, Henry C., W. L. Mefferd, and R. K. Willardson, to The Battelle Development Corp. Compound semiconductor devices. 3,013,193, 12-12-61, Cl. 317—237.

Gorton, John A., and N. F. Le Blanc, to Hercules Powder Co. Process for making uranium hexafluoride. 3,010,784, 11-28-61, Cl. 23—14.5.

Gortvai, Alexander F., to United Merchants and Manufacturers, Inc. Color fixing agents. 2,973,239, 2-28-61, Cl. 8—74.

Gorys, John P.: *See*—
Frey, Stuart M., and Gorys. 2,997,122.

Goschel, Karl-Heinz R., to Daimler-Benz Aktiengesellschaft. Fuel injecting means for internal combustion engines of the type compressing a fuel-air mixture. 2,995,123, 8-8-61, Cl. 123—119.

Gose, Robert O., to Phillips Petroleum Co. Ramjet motor powered helicopter. 3,010,678, 11-28-61, Cl. 244—17.11.

Goshen, Charles E., and J. Lyman. Accelerometer. 2,974,532, 3-14-61, Cl. 73—516.

Goshen Rubber Co., Inc.: *See*—
Hobson, Carroll D. 3,004,633.

Goslee, David E., and L. Frank, to The Martin Co. Flat plate type fuel elements. 2,986,504, 5-30-61, Cl. 204—154.2.

Goslin, Thomas P., to Streeter-Amet Co. Feeding and weighing apparatus. 2,990,898, 7-4-61, Cl. 177—16.

Goslin, Thomas P., to Streeter-Amet Co. Servo control systems. 2,990,937, 7-4-61, Cl. 198—39.

Gosman, Clarence B., to Air Pillow & Cushion, Inc. Method and apparatus for making inflated articles. 3,001,340, 9-26-61, Cl. 53—28.

Gosnell, Earl J., and C. W. Ingalls, to Burroughs Corp. Luminescent printing composition and method of making the same. 3,011,978, 12-5-61, Cl. 252—301.3.

Goss, Barnard L., and R. W. Stevens, to General Electric Co. Commutator riser construction. 2,994,005, 7-25-61, Cl. 310—234.

Goss, Charles O.: *See*—
Brewer, Claire N., and Goss. 3,013,339.
Randolph, Woodruff, Brewer, and Goss. 2,968,118.

Goss, Claude F. Tire deflation indicator. 2,997,976, 8-29-61, Cl. 116—34.

Goss, Donald D., and G. C. Livezey, to Plymouth Cordage Industries, Inc. Tack strip. 3,008,173, 11-14-61, Cl. 16—16.

Goss, Herbert A. Chain hook. 2,978,767, 4-11-61, Cl. 24—116.

Goss, James W. Picture hanging bracket. 2,975,994, 3-21-61, Cl. 248—31.

Goss, Milton E.: *See*—
Lapp, Roger H., Goldman, Goss, and Froelich. 2,989,124.

Goss, Norman P. Demountable X-ray tube. 3,012,163, 12-5-61, Cl. 313—57.

Goss, Stuart J., to A.G.M. Industries Ltd. Toy wheeled vehicles. 2,996,840, 8-22-61, Cl. 46—243.

Goss, Wilbur, C. E. Beck, and J. Erwood, to United States of America, Navy. Torpedo exploding mechanism. 2,968,242, 1-17-61, Cl. 102—18.

Gossard, Charles M., to Pangborn Corp. Abrasive throwing vanes with ribbed wearing face. 2,983,082, 5-9-61, Cl. 51—9.

Gossard, H. W., Co., The: *See*—
Steinmetz, Pearl J. 2,971,514.

Gosselin, Albert, to Societe Chimique de la Grande Paroisse (Azote et Produits Chimiques). Cracking catalyst. 2,986,532, 5-30-61, Cl. 252—457.

Gosselin, Florien F.: *See*—
Szyman, Leonard A., and Gosselin. 2,982,449.

Gosselin, Raymond A.: *See*—
Wingard, William F., and Gosselin. 3,003,739.

Gossen, Hans, to P. Gossen & Co., G.m.b.H. Automatic exposure control for photographic cameras. 2,995,996, 8-15-61, Cl. 95—64.

Gossen, P., & Co. G.m.b.H.: *See*—
Forsterling, Hans, and Peter. 2,972,282.
Gossen, Hans. 2,995,996.
Hautmann, Heinrich, and Pfaffenberger. 2,999,446.
Krappatsch, Herbert. 2,985,061.
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Sangl, Michael, and Elischer. 3,015,059.

Gosswald, Rudolf: *See*—
Friedrich, Hermann, and Gosswald. 2,976,212.

Gostin, Sommers J. Combination table. 2,996,345, 8-15-61, Cl. 312—241.

Goth, Imre. Combined pouring and sealing devices for containers. 2,991,913, 7-11-61, Cl. 222—153.

Gotham Pressed Steel Corp.: *See*—
Alu, Salvatore. 3,001,794.

Göthberg, Karl E. A., to Aktiebolaget Svenska Kullagerfabriken. Cage for rolling bodies in rolling bearings. 2,969,267, 1-24-61, Cl. 308—217.

Gothe, Otto, to Rokal G.m.b.H. Device for operating the points of electrical toy or model railways, using permanent magnets. 2,988,635, 613–61, Cl. 246—240.

Gothreau, John R. Flexible sheet dispenser. 3,009,604, 11–21–61, Cl. 221—23.

Goto, Eiichi: *See*—
Takahasi, Hidetosi, Goto, Yamada, and Kiyasu. 3,015,038.

Goto, Eiichi. Electric multiplication circuit. 2,981,473, 4–25–61, Cl. 235—194.

Goto, Eiichi. Digital counting system. 3,011,706, 12–5–61, Cl. 235—92.

Goto, Eiichi, and H. Yamada, to Fuje Tsushinki Seizo Kabushiki Kaisha. Multi-signals controlled selecting systems. 2,968,028, 1–10–61, Cl. 340—174.

Goto, Jyun-Ichi. Low pressure flour mill. 2,981,486, 4–25–61, Cl. 241—200.

Goto, Sampei, S. Hosaka, Y. Doi, and H. Osumi. Binocular provided with an improved interlocking device between a pair of ocular systems. 2,988,955, 6–20–61, Cl. 88—34.

Gotobed, Harold W. Method for controlling an automatic rug making machine. 3,001,554, 9–26–61, Cl. 139—317.

Gotsch, Lenard P., and P. W. Hardy, to American Can Co. Bright surfaced metal sheets and method of producing same. 2,991,544, 7–11–61, Cl. 29—183.5.

Gotsch, Lenard P., H. R. Vitense, and F. C. Baselt, to American Can Co. Method of severing a continuous tube into can bodies. 2,997,904, 8–29–61, Cl. 83—54.

Gottberg, Milton H. Massaging apparatus for toilets. 3,004,534, 10–17–61, Cl. 128—24.

Gottesman, Roy T., and J. E. Snow, to Heyden Newport Chemical Corp. Salicylic acid compositions and method of reacting same. 2,970,163, 1–31–61, Cl. 260—435.

Gottfried, Karl: *See*—
Heimann, Walter, and Gottfried. 3,012,149.

Gottfried, Robert E., to Thompson Ramo Wooldridge Inc. Passive signal gating circuit. 2,994,789, 8–1–61, Cl. 307—88.5.

Gottily, Arthur L.: *See*—
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Gottlieb, Albert J., to Alamo Mfg. Co., Inc. Piece goods for graduated print full-circle skirt and method for imprinting the same. 2,997,801, 8–29–61, Cl. 41—17.

Gottmann, Georg: *See*—
Wenz, Adolf, Gottmann, and Koop. 2,991,284.

Gottschald, Rudolf, to A. Ehrenreich & Cie. Ball and socket joints. 2,993,717, 7–25–61, Cl. 287—90.

Gottschalk, Eldon W. Supersonic aircraft having extensible nose cone. 2,995,320, 8–8–61, Cl. 244—15.

Gottschalk, Eric S.: *See*—
Bishop, Leonard J., and Gottschalk. 2,982,228.

Gottschall, Herbert A. Low vapor permeable composition of a polystyrene and naphthalene-formaldehyde resin and method of preparation. 2,973,338, 2–28–61, Cl. 260—45.5.

Gottscho, Adolph, Inc.: *See*—
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Worth, Francis C. 2,996,003.
Worth, Francis C. 2,996,005.

Gottsegen, Ronald B. Handle for top-covered container. 2,983,402, 5–9–61, Cl. 220—55.7.

Gottshall, Ralph I.: *See*—
Eck, Marshall B., and Gottshall. 3,007,868.

Gottshall, Ralph I., and R. T. Kern, Jr., to Gulf Oil Corp. Corrosion-inhibiting mineral oil compositions. 2,975,133, 3–14–61, Cl. 252—34.

Gottshall, Ralph I., and H. W. Swain, to Gulf Oil Corp. Auxiliary fuels. 2,988,434, 6–13–61, Cl. 44—53.

Gottstein, William J.: *See*—
Cheney, Lee C., and Gottstein. 2,971,007.
Cheney, Lee C., and Gottstein. 2,997,471.

Gottstine, Joseph G., and E. H. Westerland, to Union Carbide Corp. Process for producing zeolite X. 2,979,381, 4–11–61, Cl. 23—113.

Gottwald, Antonin. Servo-valve. 2,994,347, 8–1–61, Cl. 137—622.

Gotz, Armin: *See*—
Sennewald, Kurt, Gotz, and Rehberg. 2,979,535.

Götzberger, Adolf, to Siemens and Halske Aktiengesellschaft. Method and device for making an electrode exhibiting rectifier action by alloying aluminum thereto. 2,992,947, 7–18–61, Cl. 148—1.5.

Götzberger, Adolf, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Semiconductor device having a voltage dependent capacitance. 2,993,155, 7–18–61, Cl. 317—242.

Gotze, Siegfried, and W. Fritzsch, to Hartmann & Braun Aktiengesellschaft. Mirror galvanometer. 3,015,065, 12–26–61, Cl. 324—154.

Goubau, Georg J. E., to United States of America, Army. Waveguide-to-coaxial line transducer. 2,970,284, 1–31–61, Cl. 333—34.

Goubau, Georg J. E., to United States of America, Army. Beam-waveguide antenna. 2,994,873, 8–1–61, Cl. 343—753.

Goude, Irving E., to L. M. Pierce. Method of making a headed bolt by brazing the head on the bolt end. 2,985,898, 6–30–61, Cl. 10—27.

Goudey, Alan: *See*—
Morgan, Harry C., and Goudey. 2,996,669.

Goudsmit, Hendrikus A., to "Hagou" Metaalwarenfabrieken N.V. Permanent magnetic chuck. 3,010,054, 11–21–61, Cl. 317—159.

Gougelot, Alain H. E.: *See*—
Merritt, Henry E., Tiberghien, and Gougelot. 3,003,568.

Gough, George L., to Teletype Corp. Sequential coincident selector systems and apparatus. 2,997,532, 8–22–61, Cl. 178—2.

Gough, George L., Jr., to Teletype Corp. Tape control system. 3,003,094, 10–3–61, Cl. 318—162.

Gough, George L., Jr., to Teletype Corp. Punched tape holder. 3,013,739, 12–19–61, Cl. 242—61.

Gough, Park E. Jet tunnel boat. 2,993,462, 7–25–61, Cl. 115—11.

Gough, Peter J. C.: *See*—
Willis, William, Gough, and Davis. 2,974,218.

Gough, Sidney W., to Dunlop Rubber Co. Ltd. Production of sheet materials. 2,988,641, 6–13–61, Cl. 250—83.6.

Goulrand, Rene. Pneumatic suspension for tractors. 2,968,496, 1–17–61, Cl. 280—439.

Goulrand, Rene. Pneumatic suspension for vehicles. 3,000,623, 9–19–61, Cl. 267—15.

Goulrand, Rene. Pneumatic suspension for vehicles with means for preventing undue sway of the vehicle. 3,000,651, 9–19–61, Cl. 280—124.

Gould, Arlow G., to Clark Equipment Co. Method of elongating the banjo portion of an axle housing. 3,012,319, 12–12–61, Cl. 29—552.

Gould, Charles C., and G. H. Plethe, to Square D Co. Adjustable voltage control system. 2,968,754, 1–17–61, Cl. 318—151.

Gould, Charles W., to Hercules Powder Co. Sizing composition. 3,009,820, 11–21–61, Cl. 106—123.

Gould, David H.: *See*—
Reimann, Hans, and Gould. 3,009,927–32.

Gould, David H., H. Reimann, and L. E. Finckenor, to Schering Corp. Process for the manufacture of halogenated steroids. 3,009,938, 11–21–61, Cl. 260—397.45.

Gould, Francis E.: *See*—
Stange, Hugo, Ferris, and Gould. 2,995,601.

Gould, Jack R.: *See*—
Faust, John P., Gould, and Held. 3,001,920.

Gould, Jack R., and J. E. Paustian, to Thiokol Chemical Corp. Dipentaborylalkanes and method for preparation thereof. 2,977,387, 3–28–61, Cl. 260—606.5.

Gould, Jack U., to Ferdinand Gutmann & Co. Safety bottle closure. 2,980,274, 4–18–61, Cl. 215—9.

Gould, Jack U., to Ferdinand Gutmann & Co. Closure for packages of biological products. 3,013,687, 12–19–61, Cl. 215—38.

Gould, Jay P. Fluid sampling apparatus. 2,986,939, 6–6–61, Cl. 73—422.

Gould, Merle L.: *See*—
Conrad, Franklin, and Gould. 2,989,570.

Gould National Batteries, Inc.: *See*—
Cheney, Wendell C., and Whitfield. 3,000,676.
Cheney, Wendell C., and Whitfield. 3,012,831.
Jammal, Nicholas J. 2,981,272.
Kinsing, Charles E., and Williams. 2,987,357.

Gould, Richard E., to General Motors Corp. Process of making foam cored laminates. 2,976,577, 3–28–61, Cl. 18—59.

Gould, Richard E., to General Motors Corp. Vehicle refrigeration. 2,989,854, 6–27–61, Cl. 62—243.

Gould, Robert E.: *See*—
Wahl, Albert J., Lux, and Gould. 2,995,796.

Gould, Willard J., Jr. Mounting bracket for refuse disposal container. 3,014,684. 12–26–61. Cl. 248—313.

Gould, William. Shopping bag and handle structure therefor. 2,980,312, 4–18–61, Cl. 229—54.

Goulds Pumps, Inc.: *See*—
Feltus, H. James. 3,007,417.

Goupil, Jean.: *See*—
Buffet-Beauregard, Paul, Goupil, Mégy, and Roguin. 2,994,020.

Goupillaud, Pierre L.: *See*—
Berryman, Langdon H., Goupillaud, and Waters. 3,009,527.

Gourlay, William E. Live bait holder and elastic harness. 2,974,436, 3–14–61, Cl. 43—44.4.

Gourley, James W., Jr., to Axelson Fishing Tackle Mfg. Co. Roller tip for fishing rods, and method of making the same. 3,006,099, 10–31–61, Cl. 43—24.

Goush, Edward J., and C. O. Jones, to Midwest Hanger Co. Collar support for laundered shirts. 3,007,615, 11–7–61, Cl. 223—83.

Goutarel, Robert: *See*—
Janot, Maurice-Marie, Goutarel, and Le Hir. 2,969,367.

Gouveia, A. Peter, to Johns-Manville Corp. Impregnating composition, method of applying same to asbestos, and article produced thereby. 3,009,829, 11–21–61, Cl. 117—126.

Gouyon, Arthur M., M. Kermagoret, and A. Pascal, to Commissariat a l'Energie Atomique. Device for stabilizing the gain of photomultiplier tubes. 2,994,782, 8–1–61, Cl. 250—207.

Govan, William L., to Baldwin-Lima-Hamilton Corp. Stencilling apparatus. 3,007,396, 11–7–61, Cl. 101—42.

Govatsos, Charles A., to Polaroid Corp. Photographic film assemblage. 2,969,283, 1–24–61, Cl. 96—76.

Govatsos, Charles A. Beaded box blank and bead-sealed box. 3,010,639, 11–28–61, Cl. 229—48.

Govermale, Luke J., and T. A. Lecper, to Ethyl Corp. Continuous polymerization process. 2,979,492, 4–11–61, Cl. 260—92.8.

Govermale, Luke J., A. F. Limper, J. R. Mangham, and F. L. Padgitt, to Ethyl Corp. Preparation of alkali metal borohydrides. 3,002,806, 10–3–61, Cl. 23—14.

Govoni, Douglas P. Apparatus for handling packages. 2,970,672, 2–7–61, Cl. 186—1.
Gow, Claire. Handles for lifting. 3,010,123, 11–28–61, Cl. 9—1.
Gow, James D., to United States of America, Atomic Energy Commission. Gaseous discharge device. 2,967,943, 1–10–61, Cl. 250—84.5.
Gow, James D., to United States of America, Atomic Energy Commission. Radiation source. 2,990,476, 6–27–61, Cl. 250—84.5.
Gow, James D., and J. M. Wilcox, to United States of America, Atomic Energy Commission. Plasma device. 3,014,857, 12–26–61, Cl. 204—193.2.
Gowan, Willard E. Lifting clamp. 3,008,749, 11–14–61, Cl. 294—86.
Gower, Kenneth N., and A. H. Schroeder, to International Business Machines Corp. Tape drive. 2,978,159, 4–4–61, Cl. 226—78.
Gowing, Bertram T.: *See*—
Rowles, Reginald V., and Gowing. 2,984,981.
Goy, Michael D.: *See*—
Grace, Philip F., and Goy. 2,969,725.
Goy, Ronald S., to Dunlop Rubber Co. Ltd. Core-spun yarn reenforced composite products. 2,992,150, 7–11–61, Cl. 154—62.
Goyan, Jere E., and M. Wruble, to The Upjohn Co. Polyethylene glycol suppository bases. 2,975,099, 3–14–61, Cl. 167—64.
Goyette, Francis H., to Lodding Engineering Corp. Sheet caliper control device for paper making. 2,981,175, 4–25–61, Cl. 100—93.
Goyette, Francis H., to Lodding Engineering Corp. Apparatus for removing lint from roll doctor. 3,003,176, 10–10–61, Cl. 15—256.5.
Goyette, Francis H., to Lodding Engineering Corp. Blade holder with pneumatic release. 3,010,134, 11–28–61, Cl. 15—236.
Goyette, Francis H., and R. E. Bedard, to Lodding Engineering Corp. Water-operated oscillator. 2,987,051, 6–6–61, Cl. 121—123.
Goyette, Francis H., and G. E. Soyka, to Lodding Engineering Corp. Removable and replaceable shower device. 2,987,262, 6–6–61, Cl. 239—550.
Graber, Walter, to Lambert Brake Corp. Liquid cooled disc brake with automatic booster. 2,971,612, 2–14–61, Cl. 188—72.
Graber, Walter, to Lambert Brake Corp. Disc brake having automatic adjuster means. 3,010,542, 11–28–61, Cl. 188—72.
Grabicki, Zbigniew J.: *See*—
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Grabner, Horst, and W. Fehse, to Patent-Treuhand-Gesellschaft fur elektrische, Gluhlampen m.b.H. Resonant pulsing circuit. 2,993,144, 7–18–61, Cl. 315—183.
Grabow, Fritz G.: *See*—
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Grabow, Fritz G., to Daimler-Benz Aktiengesellschaft. Hydrostatic driving means for the wheels of vehicles, particularly motor vehicles. 2,996,135, 8–15–61, Cl. 180—44.
Grabowski, Bogdan: *See*—
Pierrot, Andre, Lescrocl, and Grabowski. 2,970,112.
Grabowski, Leonard R., to General Motors Corp. Ball bearing screw and nut assembly. 2,995,947, 8–15–61, Cl. 74—459.
Grabski, John D., to United States of America, Army. Turbine type foam or water nozzle for fire fighting. 2,968,442, 1–17–61, Cl. 239—381.
Grace, Charles R., and J. D. Smith, to Smith-Fisher, Inc. Electric fence charger. 2,981,854. 4–25–61, Cl. 307—132.
Grace, Frank E.: *See*—
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Grace, Philip F., to Ford Motor Co. Vacuum servo system. 2,975,763, 3–21–61, Cl. 121—41.
Grace, Philip F., and M. D. Goy, to Ford Motor Co. Motor vehicle air register. 2,969,725, 1–31–61, Cl. 98—2.
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Atkinson, Edward R., Mark, and Rubinstein. 2,973,396.
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Ballou, Sidney R., and Chapman. 3,013,896.
Bentov, Itzhak. 2,979,131.
Breed, Carolyn E., Frank, and Urjil. 2,988,529.
Cameron, Hugh G. 2,988,452.
Christian, John D. 2,999,093.
Cook, Paul M., Meikle, and Graham. 3,006,829.
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Flint, Thomas, and Robinson. 2,986,076.
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Greenlie, David G. 2,983,480.
Grove, Cornelius S., Jr., Grillot, and Stannett. 2,974,124.
Harman, Cameron G., and Rose. 2,973,246.
Harrison, John W. 2,975,931.
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Grace, W. R., & Co.: *See*—Continued
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Rudner, Bernard. 2,967,865.
Rudner, Bernard. 2,970,999.
Rudner, Bernard. 2,973,361.
Rudner, Bernard. 2,976,319.
Rumsey, Herbert, Jr. 2,967,383.
Selby, Myer S., and Howe. 2,994,424.
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Wilip, Elmar K. 2,976,326.
Wilip, Elmar K. 3,008,979.
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York, William C., and Osipow. 2,981,691.
Grace, William H., to Inductosyn Corp. Servosystem and relay circuit. 2,992,374, 7–11–61, Cl. 318—28.
Grace, William R., to Trade-Wind Motorfans, Inc. Roof jack. 3,000,293, 9–19–61, Cl. 98—119.
Gracian, Carlos C. Toothbrush. 2,978,724, 4–11–61, Cl. 15—167.
Gracie, Arden E., Jr., to American Steel Foundries. Rotor brake. 2,987,142, 6–6–61, Cl. 188—59.
Graco Metal Products, Inc.: *See*—
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Gracza, Rezsoe, to The Microcyclomat Co. Turbo-classifier. 2,988,220, 6–13–61, Cl. 209—144.
Graczyk, Bronislau S. S., and W. C. Riester, to Trico Products Corp. Windshield cleaner control. 2,990,530, 6–27–61, Cl. 338—67.
Grad, Adolf R., to The Oilgear Co. Surge valve. 2,973,012, 2–28–61, Cl. 137—620.
Grade, Tullio E., and J. Jackson, to American Machine & Foundry Co. Cigarette packaging machine. 2,969,631, 1–31–61, Cl. 53—192.
Gradt, Richard A., to Flexonics Corp. Tube forming tool. 3,001,569, 9–26–61, Cl. 153—32.
Grady, Charles B., Jr. Card reading card punch. 3,008,632, 11–14–61, Cl. 234—42.
Grady, Charles B., Jr. Solid state regulated battery charging system. 3,011,115, 11–28–61, Cl. 320—64.
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Crampsey, Edward, Grady, and Hawtin. 2,982,681.
Grady, Dennis, and A. Hodge, to British Celanese Ltd. Emulsion polymerization using copolymer of a salt of methacrylic acid and vinyl acetate. 2,987,493, 6–6–61, Cl. 260—29.6.
Grady, William R., and W. J. Balcom. Storage battery heating attachment. 3,012,088, 12–5–61, Cl. 136—161.
Graeber, Richard N., and G. E. Wanttaja, to General Motors Corp. Apparatus for aiming lamps. 2,977,843, 4–4–61, Cl. 88—14.
Graef, Charles G.: *See*—
Cornish, Harry E., Graef, Groebe, and Simpson. 2,969,702.
Graef, John N. Photoflash attachment. 2,972,673, 2–21–61, Cl. 240—1.3.
Graef, Rudolf, and R. Schmolke, to Huttenwerk Oberhausen A.G. Process for refining ferrous materials. 3,010,820, 11–28–61, Cl. 75—51.
Graef, Rudolf F., and L. A. von Bogdany, to Hüttenwerk Oberhausen, Aktiengesellschaft. Method for refining metal baths in rotary drum furnaces. 2,977,217, 3–28–61, Cl. 75—60.
Graef, Walter, to Jahresuhren-Fabrik G.m.b.H. Aug. Schatz & Sohne. Traveling alarm clock. 2,996,875, 8–22–61, Cl. 58—21.15.
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Stoddart, Wilbert E., Graesser, Thompson, and Kelr. 2,998,351.
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Patz, Paul, and Graetz. 3,013,673.
Patz, Paul, and Graetz. 3,013,674.
Graf, Ernst G., and C. N. Howard, said Graf assor. to United States of America, Interior. Gravity-fed combustion equipment applying cross-feed ignition principle. 2,996,292, 8–15–61, Cl. 263—19.
Graf, Felix, to Actiengesellschaft Joh. Jacob Rieter & Cie. Reversible individual drive for spinning spindles. 2,984,062, 5–16–61, Cl. 57—104.
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Graf, Roderich, and E. Jacob, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing high molecular polyethylenes. 3,007,908, 11–7–61, Cl. 260—94.9.
Grafen, Karlheinz: *See*—
Scherer, Otto, Steinmetz, Kuhn, Wetzel, and Grafen. 2,994,723.
Graff, Alan R.: *See*—
Bullard, Ralph H., Graff, and McIntosh. 2,968,579.
Bullard, Ralph H., Graff, and McIntosh. 2,968,675.
Graffy, Thomas F.: *See*—
Callender, Bernard L., Graffy, Holzbock, and Rockey. 2,981,273.

Grafingholt, Alfred, to Firma Fr. Hesser, Maschinenfabrik-Aktiegesellschaft. Device for evacuating and gas-filling bag packages. 3,006,120, 10–31–61, Cl. 53—95.
Graflex, Inc.: *See*—
Dalton, Robert L. 2,988,975.
Dalton, Robert L. 3,003,712.
Gorey, Archie H. 2,993,423.
Moore, Milford B. 3,011,358.
Padelt, Johannes H. G. 3,005,599.
Roberts, Charles T. 3,009,366.
Grafstein, Daniel: *See*—
Cohen, Murray S., and Grafstein. 2,981,746.
Graf von Soden, Adolf F.: *See*—
Woods, Marvin W., and Graf von Soden. 3,001,283.
Graf von Soden, Adolph F. Rotary pump and the like. 2,967,490, 1–10–61, Cl. 103—161.
Graham, Albert R.: *See*—
Earley, James W., Tittle, and Graham. 2,983,817.
Earley, James W., Tittle, and Graham. 3,008,047.
Graham, Alexander B.: *See*—
Hignett, Harold W. G., Turner, and Graham. 2,986,806.
Graham, Alexander B., to The International Nickel Co., Inc. Production of metal articles by extrusion. 2,973,092, 2–28–61, Cl. 207—17.
Graham, Alexander B., and C. C. Horne, to The International Nickel Co., Inc. Manufacture of hollow turbine blades. 3,014,269, 12–26–61, Cl. 29—156.8.
Graham, Arthur K.: *See*—
Savage, Frank K., Pinkerton, and Graham. 3,014,850.
Graham, Bruce: *See*—
Cook, Paul M., Meikle, and Graham. 3,006,829.
Graham, Charles E.: *See*—
Munford, Robert E., Smith, and Graham. 2,980,967.
Graham, David E.: *See*—
Hort, Eugene V., and Graham. 2,967,893.
Graham, Dean M., to The Upjohn Co. Gelatin capsule with N-alkyl amide for aqueous vehicles. 2,990,333, 6–27–61, Cl. 167—83.
Graham, Dean M., to The Upjohn Co. Gelatin capsules enclosing a water-miscible vehicle. 2,990,334, 6–27–61, Cl. 167—83.
Graham, Donald C., to Capitol Products Corp. Bread supporting rack. 3,007,583, 11–7–61, Cl. 211—134.
Graham, Elizabeth N. Closure for handbags and the like. 2,973,023, 2–28–61, Cl. 150—42.
Graham, Elwood M. Electric grill with removable griddle. 3,006,270, 10–31–61, Cl. 99—425.
Graham, Floyd. Quiver for archery. 2,974,702, 3–14–61, Cl. 150—1.5.
Graham, Floyd. Loading and releasing mechanism for bow and arrow. 3,009,454, 11–21–61, Cl. 124—35.
Graham, Frank O., to Temprite Products Corp. Check valve unit. 3,010,477, 11–28–61, Cl. 137—516.25.
Graham, Galen E., to Armstrong Cork Co. Synthetic rubber cure using a tetramethylol bis-phenol and product thereof. 3,000,847, 9–19–61, Cl. 260—41.5.
Graham, George C., Jr., to Personal Products Corp. Catamenial device. 3,005,456, 10–24–61, Cl. 128—285.
Graham, George W., to Canadian Industries Ltd. Stabilization of halohydrocarbons. 2,973,392, 2–28–61, Cl. 260—652.5.
Graham, George W., and G. R. Lushy, to Canadian Industries Ltd. Inhibition of corrosive effect of halohydrocarbons. 2,986,586, 5–30–61, Cl. 260—652.5.
Graham, Harold J.: *See*—
Auger, Diana J., and Graham. 2,981,104.
Graham, Harold R.: *See*—
Graham, Joe W., and Graham. 3,003,261.
Graham, Harry M., and K. T. Murty, to Chance Vought Aircraft, Inc. Flight control means. 2,968,149, 1–17–61, Cl. 60—35.55.
Graham, Harvey B. Anti-vapor lock systems. 2,998,057, 8–29–61, Cl. 158—36.3.
Graham, Howard M.: *See*—
Raue, Emil J., and Graham. 3,009,013.
Graham, James M., and L. H. Segall, to The Bendix Corp. Electrical apparatus. 2,989,660, 6–20–61, Cl. 313—130.
Graham, Joe W. and H. R.; said H. R. Graham assor. of 10% to A. J. Lidwin, and 40% to J. W. Graham. Hunting boot protector. 3,003,261, 10–10–61, Cl. 36—2.
Graham, John F., to Collins Radio Co. Test circuit for distributed capacity of inductances. 2,973,476, 2–28–61, Cl. 324—60.
Graham, John W.: *See*—
Prokop, Charles L., Graham, and Salathiel. 2,967,150.
Graham, John W., to Jersey Production Research Co. Bearing wear indication for a roller bit. 3,011,566, 12–5–61, Cl. 175—39.
Graham, John W., to Jersey Production Research Co. Method for logging wells. 3,014,529, 12–26–61, Cl. 166—4.
Graham, Kenneth A.: *See*—
Bowlus, Omer E., and Graham. 2,984,760.
Graham, Kenneth C.: *See*—
MacLean, William D., and Graham. 2,992,171.
Graham, Lloyd J.: *See*—
Lane, William B., Baum, Graham, Fuller, Mackin, Lal. Zigman, and Shelberg. 2,974,520.
Graham Mfg. Co., Inc.: *See*—
Berkeley, Frederick D., III. 2,978,880.
Graham, Marvin M.: *See*—
Wright, John W., Jackson, and Graham. 2,991,012.
Wright, John W., Jackson, and Graham. 3,002,519.
Graham, Ollie W., to Instruments, Inc. Petroleum tank gage. 2,997,878, 8–29–61, Cl. 73—304.
Graham, Paul R.: *See*—
Darby, Joseph R., and Graham. 3,012,983.
Heininger, Samuel A., and Graham. 2,974,115.
Graham, Peter E.: *See*—
Williams, Kenneth G. D., Smith, and Graham. 3,012,176.
Graham, Peter J., to E. I. du Pont de Nemours and Co. Substituted dicyclopentadienyliron compounds containing at least one cyano, formyl oxime or formyl oxime lower alkanoate group, and their preparation. 2,988,564, 6–13–61, Cl. 260—439.
Graham, Phillip. Flexible building panel form. 2,971,237, 2–14–61, Cl. 25—121.
Graham, Phillip. Vehicle occupant safety barrier. 2,977,135, 3–28–61, Cl. 280—150.
Graham, Raymond C.: *See*—
Coffin, John M., and Graham. 2,970,255.
Graham, Richard H., to Jersey Production Research Co. Seismic surveying method and system. 2,978,673, 4–4–61, Cl. 340—15.
Graham, Richard P., W. L. Herron, and S. J. Ketterer, to The Singer Mfg. Co. Power control unit for sewing machines. 2,981,215, 4–25–61, Cl. 112—76.
Graham, Richard P., W. J. Edwards, and J. D. Garasimowicz, to The Singer Mfg. Co. Automatic clamp opening mechanisms for sewing machines. 2,990,795, 7–4–61, Cl. 112—239.
Graham, Robert E., to Bell Telephone Laboratories, Inc. Noise suppressing video circuit. 3,009,016, 11–14–61, Cl. 178—6.
Graham, Robert P.: *See*—
Ginnette, Lewis F., Graham, and Morgan. 2,981,629.
Morgan, Arthur I., Jr., Randall, and Graham. 2,967,109.
Noftz, Mearl E., and Graham. 3,013,545.
Graham, Robert P., to Chrysler Corp. Fuel injection system. 2,997,036, 8–22–61, Cl. 123—119.
Graham, Robert W., to General Motors Corp. Rotational indicator. 2,978,586, 4–4–61, Cl. 250—83.3.
Graham, Savage, & Associates, Inc.: *See*—
Savage, Frank K., Pinkerton, and Graham. 3,014,850.
Graham, Sidney G.: *See*—
Strahammer, Josef V., and Mueller. 2,985,077.
Graham, William S. Dispenser for spirally rolled paper. 3,003,671, 10–10–61, Cl. 225—77.
Graham, Ziba F., to St. Simon's Church, Most Reverend Henry J. Grimmelsman, Bishop of the Roman Catholic Diocese. Devotional prayer counting device. 2,972,819, 2–28–61, Cl. 35—23.
Grahling, Josephine. Safety leader. 2,994,300, 8–1–61, Cl. 119—96.
Grahn, Arne Y., to The Poly Choke Co., Inc. Automatically adjustable choke for shotguns. 2,972,829, 2–28–61, Cl. 42—79.
Grahn, Arne Y., to The Poly Choke Co., Inc. Target traps. 2,994,313, 8–1–61, Cl. 124—6.
Grahn, Edwin O.: *See*—
Hicks, Robert B., and Grahn. 2,973,236.
Grain Processing Corp.: *See*—
Zorn, Ralph A. 2,985,533.
Zorn, Ralph A., Malzahn, and Hanson. 2,985,534.
Grajeck, Edwin J., to Collins & Aikman Corp. Coated three dimensional fabric and method of making same. 2,977,664, 4–4–61, Cl. 28—74.
Grall, Luclen: *See*—
Herenguel, Jean, Lelong, Grall, and Coriou. 3,010,824.
Gram, Arthur J., Jr., and W. L. Sage, to The Babcock & Wilcox Co. Cyclone furnace burner. 2,982,235, 5–2–61, Cl. 110—28.
Gram, Hans. Spouts for the discharge of viscous materials and in methods and devices for liberating the spout for the discharged viscous material. 2,976,896, 3–28–61, Cl. 141—1.
Gram, Hans, to Brodrene Gram A/S. Ice-cream freezer. 2,997,859, 8–29–61, Cl. 62—298.
Gram, Knüd F. Ship having an air cushion under the bottom. 2,988,035, 6–13–61, Cl. 114—67.
Gramm, Charles F., to United States of America, Navy. Optical scanning system. 2,997,598, 8–22–61, Cl. 250—236.
Grammer, Robert E.: *See*—
Benzing, Walter C., Schaarschmidt, and Grammer. 3,014,791.
Gramp, Alfred J. Machine for producing and filling tubular containers. 2,993,317, 7–25–61, Cl. 53—191.
Granada, Richard P., to Barton Instrument Corp. Maximum or minimum gauge pointer indicator. 2,995,106, 8–8–61, Cl. 116—129.
Granados, Frank D., 50% to G. D. Lang-Dale. Combination implement for removing spots from fabric. 3,000,202, 9–19–61, Cl. 68—222.
Granan, John R., and E. E. Lewis, to General Electric Co. Dynamic flowmeter. 3,004,429, 10–17–61, Cl. 73—232.
Granatek, Alphonse P., to Bristol-Myers Co. Tetracycline formulations. 3,005,754, 10–24–61, Cl. 167—65.
Granath, Axel G., and R. L. McIlvaine, to Herbert Simpson, Corp. Apparatus for cooling granular material. 2,990,624, 7–4–61, Cl. 34—102.
Granberg, Albert J., and E. Thuse; said Thuse assor. to Granberg Corp. Flow control valve assembly. 3,003,516, 10–10–61, Cl. 137—220.
Granberg Corp.: *See*—
Granberg, Albert J., and Thuse. 3,003,516.
Thuse, Erik, and Wrinkle. 3,000,211.

Granberry, Hugh D.: *See*—
Cook, Lawrence M., Granberry, Gruble, and Jacobs. 3,006,486.

Granco Corp.: *See*—
Napolin, Seymour. 2,990,606.

Granco Products, Inc.: *See*—
Napolin, Seymour, and Harwood. 2,985,028.

Grand Specialties Corp.: *See*—
Hopfeld, Fred P. 2,997,721.

Grandadam, Albert R., to Societe Industrielle et Agricole de la Somme et Raffinerie Francois. Process for the purification of sugar-containing juices. 2,977,253, 3–28–61, Cl. 127—50.

Grand Haven Harbor Industries, Inc.: *See*—
Emery, Merton D. 3,004,673.

Grand Haven Stamped Products Co.: *See*—
Markley, Vern C., Jr., and Bruhn. 2,988,931.

Grandine, Lester D., Jr.: *See*—
Evans, Evan F., and Grandine. 3,006,894.

Grandinetti, Edward M. Salt shaker and pepper mill. 2,974,887, 3–14–61, Cl. 241—101.

Grandio, Philip, Jr., and L. W. Hamilton, Jr., to Standard Oil Co. Manufacture of cycloparaffin hydrocarbons. 2,979,546, 4–11–61. Cl. 260—667.

Grandjean, William B., to Ethyl Corp. Processing alkyllead synthesis mixtures. 2,994,712, 8–1–61, Cl. 260—437.

Grandoff, Anthony B., Jr. Distress signal unit. 3,005,909, 10–24–61, Cl. 250—17.

Grandsard, Pierre P. L., to Societe Alsacienne de Constructions Mechaniques. Radio-electric measurement of the angular position. 3,005,199, 10–17–61, Cl. 343—118.

Grandstaff, Perry, to Little Giant Corp. Pressure gage. 2,986,938, 6–6–61, Cl. 73—392.

Grand Union Co., The: *See*—
Hinckley, Gardner I. 2,982,387.

Grandy, Andrew J., to United States of America, Army. Recoilless rifle breech. 2,970,520, 2–7–61, Cl. 89—1.7.

Grandy, Andrew J., to United States of America, Army. Extensible bore safety pin. 2,981,192, 4–25–61, Cl. 102—78.

Grandy, Andrew J., to United States of America, Army. Device for replacing fuze parts. 2,983,143, 5–9–61, Cl. 73—167.

Grandy, Andrew J., to United States of America, Army. Firing mechanism. 2,996,989, 8–22–61, Cl. 102—70.

Granfors, Paul G., to The Goodyear Tire & Rubber Co. Container linings. 2,998,374, 8–29–61, Cl. 204—250.

Grangaard, Donald H., to Kimberly-Clark Corp. Manufacture of acids from ligneous materials. 3,008,984, 11–14–61, Cl. 260—527.

Grange, Edward B. Pickup unit for hay bales. 3,000,522, 9–19–61, Cl. 214—147.

Granger, William T., to Decorated Metal Mfg. Co., Inc. Spools. 3,002,610, 10–3–61, Cl. 206—52.

Grangood, Alfred. Whirling satellite toy. 2,992,510, 7–18–61, Cl. 46—62.

Granguad, Huguette: *See*—
Vulmiere, Jacques C. and H., and Fourestier. 2,977,497.

Granito, Nicholas A.: *See*—
Oldham, Wilbur N., and Granito. 3,007,885.

Grannemann, Wayne W., to California Research Corp. Methods and apparatus for eliminating singing components from seismic signals. 2,987,701, 6–6–61, Cl. 340—15.

Grannemann, Wayne W., and G. A. W. Trorey, to California Research Corp. Elimination of multiple frequency components in seismic records. 2,979,692, 4–11–61, Cl. 340—15.

Granqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. Distance measuring equipment. 2,966,824, 1–3–61, Cl. 88—1.

Granqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. Stand-by unit arrangement. 2,992,363, 7–11–61, Cl. 315—87.

Granqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. Rotating coupling device for radio frequency currents, especially for ultra-high frequency currents. 2,994,046. 7–25–61, Cl. 333—24.

Granqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. Kerr cell. 2,998,751, 9–5–61, Cl. 88—61.

Granqvist, Carl-Erik, to Svenska Aktiebolaget Gasaccumulator. Gyroscope device with vibrating gas particles or particles of another sound transferring medium. 2,999,389, 9–12–61, Cl. 73—505.

Granqvist, Nils H., to Aktiebolaget W. Dan Bergman. Device for electrically-driven liquid-cooled pump. 3,010,401, 11–28–61, Cl. 103—25.

Granryd, Thorvald G., to The Frank G. Hough Co. Bucket operating means for tractor loaders. 2,986,294, 5–30–61, Cl. 214—140.

Grant, Allen F., and J. P. Fulham. Fire hydrant and valve therefor. 2,980,125, 4–18–61, Cl. 137—68.

Grant, Charles W., to Fourslides, Inc. Fastening device for a trim molding or the like. 2,970,354, 2–7–61, Cl. 24—73.

Grant, Clarence T., to Bell Telephone Laboratories, Inc. Wave filter. 2,990,525, 6–27–61, Cl. 333—72.

Grant, Cuthbert: *See*—
Markel, Morris L., and Grant. 2,993,978.

Grant, Dale W.: *See*—
Cords, Helmuth, Megna, Grant, and Butterworth. 2,971,891.

Grant, Earl W., to Statham Instruments, Inc. Demodulators. 3,005,955, 10–24–61, Cl. 330—10.

Grant, Earl W., to Statham Instruments, Inc. Current amplifier for low impedance outputs. 3,005,956, 10–24–61, Cl. 330—14.

Grant, Earl W., to Statham Instruments, Inc. Current amplifier for low impedance outputs. 3,005,957, 10–24–61, Cl. 330—19.

Grant, Earl W., to Statham Instruments, Inc. Temperature-sensitive bias network. 3,005,958, 10–24–61, Cl. 330—19.

Grant, Edward D., Jr. Tank car cleaning apparatus. 3,001,534, 9–26–61, Cl. 134—167.

Grant, Eugene F.: *See*—
Zacharias, Jerrold R., Holloway, and Grant. 2,972,115.

Grant, Eugene F., G. E. Simpson, A. O. McCoubrey, and R. S. Buritz, to National Co., Inc. Cesium ovens. 2,991,389, 7–4–61, Cl. 313—231.

Grant, Frank A.: *See*—
Jorgenson, Ralph J., and Grant. 2,975,574.

Grant, Frank L. Animal exerciser and trainer. 2,969,768, 1–31–61, Cl. 119—29.

Grant, Fred W.: *See*—
Huggins, James A., Voss, and Grant. 2,997,336.

Grant, Frederic F.: *See*—
De Mott, Dale H., Higley, and Grant. 2,994,877.

Grant, Gardner L.: *See*—
Antonoff, Walter, and Grant. 2,987,160.

Grant, George A.: *See*—
Parsley, Harold V., Dreyer, and Grant. 2,974,997.

Grant, Gertrude B.: *See*—
Grant, Paul D. 2,972,394.

Grant, James A.: *See*—
Mann, Ralph J., and Grant. 2,976,713.

Grant, James I., and W. E. Joor, II. Method and apparatus for erecting offshore platform. 2,967,400, 1–10–61, Cl. 61—46.5.

Grant, John E. Orchard vehicle. 2,969,849, 1–31–61, Cl. 182—2.

Grant, Joseph L.: *See*—
Scott, Robert J., Chappell, Grant, and Landry. 2,995,817.

Grant, "Keay" Harold C., and J. L. Bacon. Method of separating colour emulsion from acetate back colour transparencies. 2,992,100, 7–11–61, Cl. 96—2.

Grant, Louis A. Earth moving machine. 2,983,496, 5–9–61, Cl. 262—13.

Grant, Max L., to Universal Controls, Inc. Multiple-fare collecting apparatus having visible coin path. 2,988,191, 6–13–61, Cl. 194—1.

Grant, Nicholas J., C. G. Goetzel, and E. J. Kaill, to 134 Woodworth Corp. Solid state fabrication of hard, high melting point, heat resistant materials. 3,000,734, 9–19–61, Cl. 75—201.

Grant, Nicholas J., and E. P. Abrahamson, II; said Abrahamson assor. to said Grant. Chromium-base alloy. 3,008,854, 11–14–61, Cl. 148—32.

Grant, Norman C. S. Spray bars for tar and the like spraying machines. 3,002,694, 10–3–61, Cl. 239—127.

Grant, Paul D., deceased, by G. B. Grant, executrix. Portable elevator. 2,972,394, 2–21–61, Cl. 187—11.

Grant Pulley and Hardware Corp.: *See*—
Gussack, Nathan A. 3,006,481.
Wichers, Louis R. 3,003,826.

Grant, Richard S.: *See*—
Smith, Harry V., Grant, and Jones. 2,997,739.

Grant, Robert B., Jr.: *See*—
Mendelsohn, Julian P., Grant, and Barrial. 2,971,333.

Grant, Walter L.: *See*—
Blevans, William E., and Grant. 2,968,925.

Grant, Whitney I.: *See*—
Kocher, Erich J., and Grant. 2,986,905.

Grant, Whitney I., and E. J. Kocher, to Vilter Mfg. Corp. Refrigeration system embodying air-cooled condensers. 3,013,403. 12–19–61, Cl. 62—175.

Grantham, William C., to American Viscose Corp. Vinylidene chloride-acrylonitrile copolymer in solution of a mixture of tetrahydrofuran and toluene and method of preparing an article therefrom. 2,990,391, 6–27–61, Cl. 260—20.4.

Grantom, Charles A.: *See*—
Donnell, Walter M., and Grantom. 2,981,557.

Granville, James W.: *See*—
Gibson, Alan F., and Granville. 2,977,551.

Graphic Arts Research Foundation, Inc.: *See*—
Higonnet, Rene A., and Grea. 2,968,383.
Higonnet, Rene A., and Moyroud. 2,966,836.
Higonnet, Rene A., and Moyroud. 2,973,080.

Graphic Technology Ltd.: *See*—
Lane, Henry R. A. 2,981,396.

Grasheim, Irving I., and S. V. Mormile, to Radio Corp. of America. Pulse generating circuit comprising cascaded shock-excited oscillators. 2,989,706, 6–20–61, Cl. 331—50.

Grashow, Joseph, to Quickmount Mfg. Co. Inc. Replacement antenna. 3,003,149, 10–3–61, Cl. 343—715.

Grasmann, Josef, jun. Floor cleaning machine. 2,969,556, 1–31–61, Cl. 15—49.

Grasmere, Robert H., and B. J. Oliver. Water filters. 2,985,307, 5–23–61, Cl. 210—169.

Grasty, William P., to Abbott Laboratories. Shipping and/or storing container. 2,981,405, 4–25–61, Cl. 206—46.

Grasty, William P., and J. R. Dewey, to Abbott Laboratories. Bottle cap opener with radioactive-shielding-means. 2,985,045, 5–23–61, Cl. 81—3.4.

Graswich, Edward, and J. W. Cedarquist, to Dohrmann Hotel Supply Co. Grease extracting attachment for ventilators for kitchen ranges. 2,971,452, 2–14–61, Cl. 98—115.

Gratian, Anne C.: *See*—
Gratian, Joseph W. and A. C. 2,994,837.
Gratian, Joseph W. and A. C., Nieset, Bourns, and Crane. 2,980,905.
Nieset, Robert T., Crane, and A. C. and J. W. Gratian. 2,984,833.
Gratian, Joseph W.: *See*—
Nieset, Robert T., Crane, and A. C. and J. W. Gratian. 2,984,833.
Gratian, Joseph W., to General Dynamics Corp. Error detection and compensation for quantized signal recording system. 3,011,160, 11–28–61, Cl. 340—174.1.
Gratian, Joseph W. and A. C., R. T. Nieset, M. E. Bourns, and H. R. Crane, to United States of America, Atomic Energy Commission. Radio ranging device. 2,980,905, 4–18–61, Cl. 343—13.
Gratian, Joseph W. and A. C., to United States of America, Atomic Energy Commission. Adjustable double pulse generator. 2,994,837, 8–1–61, Cl. 331—60.
Gratian, Joseph W., and R. J. O'Brien, to General Dynamics Corp. Half/full track magnetic recording. 3,001,026, 9–19–61, Cl. 179—100.2.
Gratz, Fritz, and J. Kratz, to O. Dorries, A.G. Process and device for introducing and removing a cylinder mould in machines for the manufacture of paper, cardboard or the like. 3,011,939, 12–5–61, Cl. 162—200.
Gratzmuller, Jean L. Hydropneumatic accumulators. 2,968,320, 1–17–61, Cl. 138—31.
Gratzmuller, Jean L. Pressure fluid control. 2,970,193, 1–31–61, Cl. 200—82.
Gratzmuller, Jean L. Hydraulic actuator control. 2,981,237, 4–25–61, Cl. 121—46.
Gratzmuller, Jean L. Self-draining hydraulic energy accumulator. 2,986,158, 5–30–61, Cl. 137—467.
Gratzmuller, Jean L. Control valve devices for connecting two or more hydraulic actuators selectively to a common continuous feed. 2,989,079, 6–20–61, Cl. 137—622.
Grau, Henry W. Portable drill attachment. 2,973,673, 3–7–61, Cl. 77—7.
Grau, Herbert W. H. Method of and means for making fabric with a pile surface. 2,993,353, 7–25–61, Cl. 66—84.
Graubert, Seth H.: *See*—
Waite, Fred L., and Graubert. 2,985,990.
Graue, Georg: *See*—
Lückerath, Werner, and Graue. 2,990,610.
Grauel, Ludwig J., and C. E. Nilson, to Fairbanks, Morse & Co. Combustion air supply control for internal combustion engines. 2,987,055, 6–6–61, Cl. 123—120.
Graulich, Wilhelm: *See*—
Heinz, Anton R., Rosahl, and Graulich. 3,013,000.
Graulich, Wilhelm, and K. E. Müller, to Farbenfabriken Bayer Aktiengesellschaft. Process for producing polymers and copolymers containing methylolether groups. 2,978,432, 4–4–61, Cl. 260—45.
Graulich, Wilhelm, G. Sinn, and K.-E. Müller, to Farbenfabriken Bayer Aktiengesellschaft. Process of producing a polymeric film of a copolymer of an etherified N-methylol amide and an ethylenically unsaturated monomer. 2,984,588, 5–16–61, Cl. 117—161.
Graulich, Wilhelm, G. Sinn, C. Nottebohn, and R. Schabert, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Carl-Freudenberg KG. a.A. Process for the production of sheet materials. 2,999,773, 9–12–61, Cl. 117—139.5.
Graunke, Norman C.: *See*—
Eichelman, Francis J., and Graunke. 2,968,474.
Graveley, Robert, to Lite Vent Industries, Inc. Awning rafter saddle tie. 2,990,590, 7–4–61, Cl. 20—94.
Graveline, George A. Article holder for books, pads, etc. 2,984,932, 5–23–61, Cl. 45—57.
Gravert, William H., to Marine Moisture Control Co., Inc. Cam operated quick acting pipe coupler. 2,996,318, 8–15–61, Cl. 285—358.
Graves, Chester C.: *See*—
Chapman, Weldin G., and Graves. 2,978,387.
Graves, Davis M.: *See*—
Kish, Steven P., Donnell, and Graves. 2,970,818.
Graves, Donald E., and A. J. Beutler, Jr., to General Electric Co. Timing apparatus. 2,993,124, 7–18–61, Cl. 250—95.
Graves, Donald L., to Electronics Corp. of America. Combustion control apparatus. 2,989,117, 6–20–61, Cl. 158—28.
Graves, Donald L., and P. Giuffrida, to Electronics Corp. of America. Fuel burner programming apparatus. 2,966,940, 1–3–61, Cl. 158—28.
Graves, Edward B., E. R. Hill, and D. S. Thorburn, to Picker X-Ray Corp., Waite Mfg. Division, Inc. Multiple point switch. 3,009,993, 11–21–61, Cl. 200—14.
Graves, John H.: *See*—
Collins, Gordon, and Graves. 2,981,233.
Graves, Norman S., and W. R. Brite, to The Foxboro Co. Flow measuring apparatus. 3,006,191, 10–31–61, Cl. 73—206.
Graves, Thomas L.: *See*—
Payne, Thomas S., and Graves. 2,995,021.
Payne, Thomas S., and Graves. 2,995,912.
Graviner Mfg. Co. Ltd.: *See*—
Bennett, Arthur J. and Thurlby. 2,974,314.
Gravity Baler, Inc.: *See*—
Patros, George C., and Stark. 2,986,992.
Gravley, Charles K., to Clevite Corp. Prestressed dielectric ceramic bodies. 2,972,176, 2–21–61, Cl. 25—157.
Graw, Dr., Messgerate G.m.b.H.: *See*—
Graw, Josef. 2,971,731.
Graw, Josef, to Dr. Graw Messgerate G.m.b.H. Ejection container for radio probes. 2,971,731, 2–14–61, Cl. 244—137.
Grawey, William F. Method for reconditioning plastic coated bowling pins. 2,978,375, 4–4–61, Cl. 154—104.
Gray, Alessandra: *See*—
Gray, James A. 2,994,092.
Gray, Alfred E.: *See*—
Azari, Eric, Gray, Malin, Nelson, and Thompson. 2,982,544.
Gray, Allan P.: *See*—
Cavallito, Chester J., and Gray. 2,998,422.
Gray, Alvin N., to Western Electric Co., Inc. Retractile cords. 2,969,419, 1–24–61, Cl. 174—60.
Gray, Charles L., Jr., and R. H. Dettre, to E. I. du Pont de Nemours and Co. Process for increasing the scratch resistance of glass. 3,004,863, 10–17–61, Cl. 117—94.
Gray, Clinton W.: *See*—
Norden, Carl J., Jr., and Gray. 2,980,586.
Gray, Cloyd E., R. M. Sherman, R. E. Fox, U. Ferrari, and W. M. Bibb, to W. R. Ames Co. Tube mill and method of manufacture of thin walled tubing. 2,977,914, 4–4–61, Cl. 113—33.
Gray, Daniel M., to American-Marietta Co., Stoner-Mudge Co. Division. Polymer coating system. 3,012,707, 12–12–61, Cl. 229—51.
Gray, Don N., to The Dow Chemical Co. 2-fluoro oximes. 2,971,028, 2–7–61, Cl. 260—566.
Gray, Donald R.: *See*—
Moeller, Delmer H., and Gray. 3,007,834.
Gray, Edward F., ½ to A. V. Oberholtzer. Safety medical container top. 2,974,813, 3–14–61, Cl. 215—9.
Gray, Franklin P. Swivel stacker. 2,971,631, 2–14–61, Cl. 198—119.
Gray, Franklin P. Bag elevator. 2,987,166, 6–6–61, Cl. 198—165.
Gray, Frederick W., to Colgate-Palmolive Co. Preparation of glycerol sulfuric acids. 2,979,521, 4–11–61, Cl. 260—458.
Gray, G. A., Co., The: *See*—
Walter, John M., and Geyler. 2,994,250.
Gray, Geoffrey T.: *See*—
Adler, Clarence E., and Gray. 2,996,002.
Gray, Geoffrey T., to Toledo Scale Corp. Printer. 3,001,471, 9–26–61, Cl. 101—96.
Gray, George W., to Radio Corp. of America. Object detection system. 2,983,852, 5–9–61, Cl. 317—149.
Gray, Harold P. Tractor hitch. 2,974,979, 3–14–61, Cl. 280—469.
Gray, Harold P. Fingered lifter for tile and blocks. 3,006,679, 10–31–61, Cl. 294—92.
Gray, Harvey, and Associates, Inc.: *See*—
Gray, James H. 2,987,279.
Gray, Jacob E. Separable fishing hook assembly. 2,992,507, 7–18–61, Cl. 43—42.09.
Gray, James A., to A. Gray. Toilet flushing assembly. 2,994,092, 8–1–61, Cl. 4—29.
Gray, James H., to Harvey Gray and Associates, Inc. Shock-absorbing suspension system for parachute. 2,987,279, 6–6–61, Cl. 244—151.
Gray, John W., to General Precision Inc. Trigonometric function generator. 2,983,448, 5–9–61, Cl. 235—186.
Gray, John W., and W. J. Tull, to General Precision, Inc. Wind computer. 3,007,338, 11–7–61, Cl. 73—178.
Gray, Kenneth R., and L. E. Van Blaricom, to Rayonier Inc. Bark treatment process and product. 2,999,108, 9–5–61, Cl. 260—512.
Gray, Landon R., to T. W. & C. B. Sheridan Co. Wiper control system for stretch-forming machine. 2,988,127, 6–13–61. Cl. 153—40.
Gray, Linsley S., to Gray Stamping and Mfg. Co. Method and apparatus for manufacturing gummed-tape rolls. 2,998,134, 8–29–61, Cl. 209—90.
Gray, Linsley S., to Gray Stamping and Mfg. Co. Roll bushing. 3,004,730, 10–17–61, Cl. 242—68.6.
Gray Mfg. Co., The: *See*—
Fleming, Ronald F., and Kershenbaum. 3,010,725.
Snow, Chester A., Jr., and Klebba. 3,003,772.
Thomas, Philip J., and Moore. 2,971,804.
Gray, Marion I.: *See*—
Olt, Richard G., Du Four, and Gray. 2,987,372.
Gray, Milo C., and J. Kozak, to Hall-Toledo, Inc. Force feed mechanism for cutting and grinding apparatus. 2,977,727, 4–4–61, Cl. 51—241.
Gray, Preston R., to Bell Telephone Laboratories, Inc. Incoming trunk circuit for in-dialing service. 2,976,368, 3–21–61, Cl. 179—27.
Gray, Reed A., to Merck & Co., Inc. Plant disease control. 2,977,282, 3–28–61, Cl. 167—65.
Gray, Reuben F., to United States of America, Navy. Fluid filled goggles. 3,010,109, 11–28–61, Cl. 2—14.
Gray, Richard E., and G. Q. McColl, to International Telephone and Telegraph Corp. Telegraph communication systems with carrier monitoring. 2,967,908, 1–10–61, Cl. 178—69.
Gray, Richard O.: *See*—
Glzynski, Leo A., and Gray. 2,988,715.
Gray, Richard O., to Zenith Radio Corp. Cathode-ray tube arrangement. 3,004,186, 10–10–61, Cl. 315—75.
Gray, Robert A., Jr., J. C. Inch, and J. R. Fueslein, to Mueller Brass Co. Liquid indicator. 3,000,345, 9–19–61, Cl. 116—117.
Gray, Robert E.: *See*—
Patterson, Eugene B., Gray, and Rice. 3,010,828.
Gray, Robert J. Course computer for navigators. 2,967,016, 1–3–61, Cl. 235—61.

Gray, Robert L., and D. A. Starr, to Burroughs Corp. Magnetic counter circuit. 2,992,393, 7–11–61, Cl. 328—40.
Gray, Roy A., to Phillips Petroleum Co. Cyclododecatriene monoepoxide-adducts. 2,997,483, 8–22–61, Cl. 260—348.
Gray, Sidney, to Radio Corp. of America. Image pickup device. 2,967,255, 1–3–61, Cl. 313—66.
Gray Stamping and Mfg. Co.: *See*—
Gray, Linsley S. 2,998,134.
Gray, Linsley S. 3,004,730.
Gray, Thomas J., to Gulf Research & Development Co. Oscillating helicoidal separating device. 2,974,799, 3–14–61, Cl. 209—434.
Gray, Thomas L., Jr.: *See*—
Jones, William T., and Gray. 3,005,968.
Gray Tool Co.: *See*—
Watts, John D., Ireland, and Hill. 3,001,803.
Gray, W. L., & Co.: *See*—
Orchard, David W. 2,967,562.
Gray, Willard F. M., and R. O. Moser, to General Electric Co. Electrical coil. 2,977,556, 3–28–61, Cl. 336—185.
Gray, Willard F. M., and W. C. Hurt, Jr., to General Electric Co. Method and apparatus for winding coils of web material. 2,983,459, 5–9–61, Cl. 242—67.3.
Gray, William, Jr.: *See*—
Meade, Lynn C., and Gray. 3,005,385.
Gray, William B. Pneumatic conveyor system for transportation of bulk material. 2,972,499, 2–21–61, Cl. 302—17.
Gray, William E.: *See*—
Reid, Edward S., Davis, Gray and Byrd. 2,991,533.
Graybeal, Bruce A. Apparatus and process for producing mineral fibers. 2,980,953, 4–25–61, Cl. 18—2.5.
Graybill, Clinton L., to Graybill Industries, Inc. Portable motor and separable power take-off coupling therefor. 2,975,644, 3–21–61, Cl. 74—16.
Graybill Industries, Inc.: *See*—
Graybill, Clinton L. 2,975,644.
Graybill, Wilmer B., to Pittsburgh Plate Glass Co. Process for concentrating hydrogen peroxide. 2,990,341, 6–27–61, Cl. 202—46.
Graydon, Sterling, Jr., to Veeder-Root Inc. Counter. 2,979,259, 4–11–61, Cl. 235—117.
Grayhill: *See*—
Hawk, Charles E. 2,992,403.
Grayson, John F., ½ to D. W. Hardin. Re-usable split shot sinker. 2,983,068, 5–9–61, Cl. 43—44.89.
Grayson, Martin, and P. A. Keough, to American Cyanamid Co. Organic tertiary phosphines. 3,005,013, 10–17–61, Cl. 260—464.
Grayson, Richard D.: *See*—
Ray, William A., and Grayson. 2,991,792.
Grayson, Richard D., to General Controls Co. Drain valve. 2,985,180, 5–23–61, Cl. 137—74.
Graziosi, Michael. Electrical fuse plug. 2,988,617, 6–13–61, Cl. 200—115.5.
Grea, Rene A.: *See*—
Higonnet, Rene A., and Grea. 2,968,383.
Grea, Rene A., E. P. Hanson, R. A. Higonnet, and L. M. Moyroud, to said Higonnet and said Moyroud. Type composing apparatus. 2,988,276, 6–13–61, Cl. 235—151.
Greanias, Evon C.: *See*—
Rohland, William S., and Greanias. 3,008,123.
Greanias, Evon C., to International Business Machines Corp. Clipping level control circuit. 2,975,371, 3–14–61, Cl. 328—168.
Greanias, Evon C., and Y. M. Hill, to International Business Machines Corp. Magnetic recording sensing means. 3,012,233, 12–5–61, Cl. 340—174.1.
Grear, Horace S., and N. G. Kamen, to Teletype Corp. Tape clamping device. 2,998,843, 9–5–61, Cl. 154—42.1.
Greasley, Eric A., to United-Carr Fastener Corp. Member for assembly in an aperture in a support. 3,007,599, 11–7–61, Cl. 220—18.
Greason, David M., to Owens-Corning Fiberglas Corp. Fibrous glass air filters. 3,003,581, 10–10–61, Cl. 183—49.
Great Dane Trailers Inc.: *See*—
Jewell, Robert A. 2,971,771.
Jewell, Robert A. 2,988,373.
Watters, Johnny T. 2,971,797.
Greathouse, Glenn A., to United States of America, Navy. Antifouling coatings. 2,978,338, 4–4–61, Cl. 106—15.
Great Lakes Carbon Corp.: *See*—
Thomas, Edward C. 2,969,251.
Thomas, Edward C. 3,008,744.
Toelke, Lester W. 2,990,773.
Toelke, Lester W. 2,990,774.
Toelke, Lester W. 3,012,609.
Greatorex, Robert, D. T. E. Zalichi, and W. A. Partridge, to The British Petroleum Co. Ltd. Method for reducing sludge deposition of fuel oils. 3,006,842, 10–31–61, Cl. 208—177.
Great Western Toy Co.: *See*—
Trombly, Ray G. 2,968,117.
Greaves, Edwin, to Dowty Nucleonics Ltd. Lever operated electric switches. 2,967,919, 1–10–61, Cl. 200—106.
Greaves, Melvin J., to R. A. Cummings, Jr. Magnetic separation apparatus and treating methods involving magnetic separation. 2,973,096, 2–28–61, Cl. 210—65.
Greaves, Melvin J., to Arthur G. McKee & Co. Hopper having means causing atmospheric inflow. 2,979,235, 4–11–61, Cl. 222—185.

Greaves, Melvin J., to Inland Steel Co. Critical flow nozzle for preventing passage of pulsations in a gas stream. 3,014,709, 12–26–61, Cl. 266—13.
Greaves, Melvin J., and J. C. Fagley, to Inland Steel Co. Charging apparatus. 3,004,676, 10–17–61, Cl. 214—18.
Greaves, Ruth K. Saddle bag for automobiles. 2,979,098, 4–11–61, Cl. 150—1.
Greayer, Wesley C., to Northrop Corp. Linear acceleration test facility. 3,001,393, 9–26–61, Cl. 73—12.
Grebe, Carl E.: *See*—
Rice, Warren A. 2,997,013.
Grebe, John J., to United States of America, Atomic Energy Commission. Nuclear reactor. 2,969,313, 1–24–61, Cl. 204—193.2.
Grebe, John J., and J. F. Miller, to The Dow Chemical Co. Preparation of metal powders. 2,990,267, 6–27–61, Cl. 75—.5.
Grebe, Ludwig. Processing of meat and the like. 2,977,629, 4–4–61, Cl. 17—39.
Grebe, Otto, and K. Bopp, to Licentia Patent-Verwaltungs-G.m.b.H. High speed reversing switch. 2,988,614, 6–13–61, Cl. 200—82.
Grebel, Carl. Electric cigarette lighters. 2,982,839, 5–2–61, Cl. 219—32.
Grebner, Fritz. Strips of metal for girderlike constructional elements. 2,972,213, 2–21–61, Cl. 50—186.
Greco, Saverio G., to The M. W. Kellogg Co. Gas separation. 3,000,188, 9–19–61, Cl. 62—28.
Greefkes, Johannes A., to North American Philips Co., Inc. Single sideband communication system. 3,003,036, 10–3–61, Cl. 179—15.5.
Greefkes, Johannes A., to North American Philips Co., Inc. Transistor oscillator. 3,003,120, 10–3–61, Cl. 331—109.
Greeley, William H.: *See*—
Caine, George E., Greeley, and Mooney. 2,978,134.
Green, A. P., Fire-Brick Co.: *See*—
Charles, Glen W., and Lesar. 3,010,835.
Green, Arthur: *See*—
Boothe, James H., and Green. 3,013,075.
Green, Albert L., to National Research Development Corp. Quaternised pyridine aldoximes. 2,996,510, 8–15–61, Cl. 260—294.8.
Green, Charles E.: *See*—
Tanzberger, Eric W., and Green. 3,011,322.
Green, Charles F., to Sun Oil Co. Rotary filter assembly. 2,988,224, 6–13–61, Cl. 210—383.
Green, Charles F., to United States of America, War. Thermo-responsive detecting apparatus. 2,994,772, 8–1–61, Cl. 250—83.3.
Green, Charles F., to United States of America, War. Radiation responsive means. 2,999,933, 9–12–61, Cl. 250—83.
Green, Charles F., L. A. Taylor, A. J. Kling, and G. F. Metcalf, to United States of America, War. Thermo-responsive detector system. 3,007,050, 10–31–61, Cl. 250—83.3.
Green Colonial, Inc.: *See*—
Gunion, Lyle B. 2,984,237.
Green, David J.: *See*—
Tasker, Homer G., Van Alystyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.
Green, Donald T., and E. Slagle, to Picker X-Ray Corp., Waite Mfg. Division, Inc. Head and cone support for therapeutic mechanism. 2,998,526, 8–29–61, Cl. 250—105.
Green, Donald W. Holder and guide means for grain spouts and the like. 2,976,002, 3–21–61, Cl. 248—226.
Green, Douglas J.: *See*—
Lilley, Geoffrey M., and Green. 2,987,136.
Green, Floyd H., to General Electric Co. Control circuit in an automatic clothes washing machine. 3,003,345, 10–10–61, Cl. 68—12.
Green, Francis C. R. Long life lamp demonstrator. 2,976,482, 3–21–61, Cl. 324—20.
Green, Frank B. K., to Sprout, Waldron & Co., Inc. Pulp manufacture. 2,969,113, 1–24–61, Cl. 162—237.
Green, Frank B. K., to Sprout Waldron & Co., Inc. Pulp manufacture. 2,993,537, 7–25–61, Cl. 162—237.
Green, Frank B. K., to Sprout Waldron & Co., Inc. Pulp manufacture. 2,996,421, 8–15–61, Cl. 162—17.
Green, Frank T., and W. I. Smith, to Noble Mfg. Co., Inc. Safety mechanism for slide action repeating firearm. 3,006,096, 10–31–61, Cl. 42—70.
Green, Fred B. Apparatus for statically balancing rotatable elements. 2,977,803, 4–4–61, Cl. 73—481.
Green, Harold F.: *See*—
Zellner, Floyd L., and Green. 2,973,593.
Green, Harry I. Equalized hydraulic lift. 3,014,345, 12–26–61, Cl. 60—97.
Green, Jack R.: *See*—
Williams, Kenneth G., and Green. 2,978,708.
Green, James, Jr.: *See*—
Howell, Edward D., and Green. 2,979,300.
Green, James X., and K. L. Herbert, to Airline Electric, Inc. Potentiometer. 3,002,168, 9–26–61, Cl. 338—180.
Green, Jerome, to Nalco Chemical Co. Method of making paper. 2,969,302, 1–24–61, Cl. 162—164.
Green, John C. Extensible ladder. 3,004,624, 10–17–61, Cl. 182—157.
Green, Joseph, D. McHale, and P. Mamalis, to Vitamins Ltd. Triazine derivatives. 2,976,288, 3–21–61, Cl. 260—249.9.
Green, Joseph, and S. Z. Marcinkiewicz, to Vitamins Ltd. Materials having vitamin E activity. 2,992,235, 7–11–61, Cl. 260—345.5.

Green, Joseph, S. A. Price, and E. E. Edwin, to Vitamins Ltd. Production of ergosterol from yeast. 3,006,932, 10–31–61, Cl. 260—397.25.
Green, Kenneth E.: *See*—
Lombard, Charles F., and Green. 3,000,020.
Green, Kenneth E., W. R. Hagan, and G. U. Barnes, to John J. Foster Mfg. Co. Method for producing honeycomb structures. 2,975,263, 3–14–61, Cl. 219—83.
Green, Julius, E. J. Schuller, J. A. Rikert, and B. Borders, to General Foods Corp. Process for preparing a gelled food product and the resulting product. 2,992,925, 7–18–61, Cl. 99—131.
Green, Leon, Jr., to Aerojet-General Corp. Shock absorbing means for rocket propellant grains. 2,986,001, 5–30–61, Cl. 60—35.6.
Green, Max L., and W. C. Kinard, to Termite Drills, Inc. Starter bits for masonry drills. 2,972,389, 2–21–61, Cl. 175—328.
Green, Milton: *See*—
Blout, Elkan R., Corley, Green, and Simon. 2,992,106.
Corley, Richard S., and Green. 2,992,105.
Green, Milton, to United States of America, Army. Magnetoresistive bridge circuit. 2,982,906, 5–2–61, Cl. 321—47.
Green, Milton, and M. S. Simon, to Polaroid Corp. Photographic products, processes and compositions. 3,002,997, 10–3–61, Cl. 260—570.5.
Green, Milton, and H. G. Rogers, to Polaroid Corp. Hydroquinonyl derivatives and their synthesis. 3,009,958, 11–21–61, Cl. 260—571.
Green, Milton W.: *See*—
Greenblatt, Manuel H., and Green. 2,974,231.
Green, Milton W., to Radio Corp. of America. Load control motor circuit. 2,975,349, 3–14–61, Cl. 318—331.
Green, Milton W., to Radio Corp. of America. Hysteretic devices. 2,978,682, 4–4–61, Cl. 340—174.
Green, Milton W., to Radio Corp. of America. Superconductive bistable elements. 2,983,889, 5–9–61, Cl. 338—32.
Green, Norman C.: *See*—
Monk, Philip R., Green, and Hutt. 3,014,508.
Green, Ottis E.: *See*—
Matin, Troy C., and Green. 2,998,522.
Green, Paul E., Jr.: *See*—
Price, Robert, and Green. 2,982,853.
Green, Percie F., and L. G. Bullock, to Bristol Siddeley Engines Ltd. Ignition devices for propulsion engines of the continuous combustion type. 2,971,340, 2–14–61, Cl. 60—39.82.
Green, Ralph W.: *See*—
Waltke, Henry C., and Green. 3,004,649.
Green, Robert A. Bowling alley. 3,014,722, 12–26–61, Cl. 273—51.
Green, Robert E. L., and F. D. Ammen; said Ammen assor. to said Green. Combined accelerator and brake control mechanism. 3,006,445, 10–31–61, Cl. 192—3.
Green, Robert F., to Armstrong Cork Co. Acoustical panel. 2,995,198, 8–8–61, Cl. 181—33.
Green, Robert G. Apparatus for simulating the instrument flying conditions in operational aircraft. 3,001,300, 9–26–61, Cl. 35—12.
Green, Siegfried, and P. Novack, to Adex Development Corp. Machine for attaching gummed labels to envelopes and the like. 2,998,153, 8–29–61, Cl. 216—53.
Green, Stanley, to Joseph Lucas (Industries) Ltd. Vehicle lamp reflectors. 2,989,620, 6–20–61, Cl. 240—103.
Green, Warren E., to Ethyl Corp. Chemical reaction control apparatus. 3,006,736, 10–31–61, Cl. 23—253.
Green, Willard E., and E. H. Stark, to Joy Mfg. Co. Control circuit. 2,977,039, 3–28–61, Cl. 230—2.
Green, William A. Lubricant distributor. 2,966,961, 1–3–61, Cl. 184—50.
Green, William B., to Westinghouse Electric Corp. Plating of sintered tungsten contacts. 3,000,085, 9–19–61, Cl. 29—183.5.
Green, William B., and V. E. Gaede, to Phillips Petroleum Co. Removal of carbon monoxide from ethylene. 2,973,628, 3–7–61, Cl. 62—24.
Green, William B., and J. R. Fortier, to Westinghouse Electric Corp. Hermetically sealed semiconductor devices. 3,005,867, 10–24–61, Cl. 174—50.54.
Green, William C.: *See*—
Moody, Dale M., and Green. 2,995,230.
Green, William G., ¼ to T. D. Copeland, Jr. Paraffin removing device. 2,982,354, 5–2–61, Cl. 166—60.
Green, William G., M. B. White, and V. M. Pritchard; said Pritchard assor. to Otis Engineering Corp. Fishing tool assembly. 2,978,030, 4–4–61, Cl. 166—98.
Green, William H. M., to Systems Control, Inc. Door actuator and locking system. 2,971,755, 2–14–61, Cl. 268—65.
Green, William J.: *See*—
Andersen, Holger C., and Green. 2,970,034.
Green, Wilson P., to The Parker Pen Co. Writing instrument. 2,971,495, 2–14–61, Cl. 120—42.16.
Greenawalt, Frederick A., to Ranco Inc. Expansible power element. 2,973,644, 3–7–61, Cl. 73—368.3.
Greenawalt, Frederick A., and E. C. Raney, to Ranco Inc. Reversing valve. 2,983,286, 5–9–61, Cl. 137—625.43.
Greenaway, John F.: *See*—
Marwing, Kenneth G., Halton, and Greenaway. 2,991,335.
Greenbaum, Arthur, to American Biltrite Rubber Co., Inc. Shoe with molded elastomeric sole. 2,995,840, 8–15–61, Cl. 36—19.5.
Greenberg, David R., to United States of America, Air Force. Linear saw-tooth generator. 3,013,164, 12–12–61, Cl. 307—88.5.
Greenberg, Harry, and R. A. Foos, to National Distillers and Chemical Corp. Process of preparing columbium and tantalum. 2,994,603, 8–1–61, Cl. 75—84.4.
Greenberg, Herbert J., to Engelhard Industries, Inc. Temperature measuring device. 2,973,495, 2–28–61, Cl. 338—28.
Greenberg, Louis P.: *See*—
Phillips, Charles R., Greenberg, and Hoffman. 2,967,100.
Greenberg, Robert L., to National Equipment Corp. Confectionery depositors. 2,975,731, 3–21–61, Cl. 107—29.
Greenberg, Sherman, to United States of America, Atomic Energy Commission. Uranium-titanium-niobium alloys. 2,990,274, 6–27–61, Cl. 75—122.7.
Greenberg, Sherman, R. D. Misch, and W. E. Ruther, to United States of America, Atomic Energy Commission. Corrosion reduction. 2,970,885, 2–7–61, Cl. 21—2.7.
Greenberger, Joseph I., to United Engineering and Foundry Co. Method of and apparatus for handling and joining strip material. 2,978,805, 4–11–61, Cl. 29—430.
Greenblatt, Julius: *See*—
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Greenblatt, Manuel H., and M. W. Green, to Radio Corp. of America. Measuring apparatus. 2,974,231, 3–7–61, Cl. 250—83.3.
Greene, Albert E. Nickel recovery from ore. 2,994,601, 8–1–61, Cl. 75—31.
Greene, Allan J.: *See*—
Feeney, Robert J., Greene, and Kettel. 3,008,874.
Greene, Donald F.: *See*—
Stroud, Malcolm B., and Greene. 2,999,555.
Greene, Edward G. S. Heat transfer assembly. 2,987,300, 6–6–61, Cl. 257—256.
Greene, Edwin J.: *See*—
La Fleur, Kermit S., and Greene. 2,980,557.
Greene, Ernest W., J. B. Duke, and J. L. Hunter, to Minerals & Chemicals Philipp Corp. Froth flotation method. 2,990,958, 7–4–61, Cl. 209—166.
Greene, Harold B.: *See*—
Baker, Philip S., Duncan, and Greene. 2,997,289.
Greene, Haskell M. Apparatus for forming a closure in a well bore. 2,969,839, 1–31–61, Cl. 166—63.
Greene, Herbert C. Spur disk log turner for sawmills. 2,986,179, 5–30–61, Cl. 143—102.
Greene, Jack E.: *See*—
McDonnell, James A., Terlato, and Greene. 2,968,027.
Greene, John H.: *See*—
Kirkwood, George B., and Greene. 2,978,472.
Greene, John P., to National Rubber Machinery Co. Waste disposer and splash guard therefor. 2,980,351, 4–18–61, Cl. 241—100.5.
Greene, Joseph L., and J. C. Holzwarth, to General Motors Corp. Forming an aluminum-containing alloy protective layer on metals. 2,970,065, 1–31–61, Cl. 117—8.
Greene, Kenneth F., and W. L. Stafford, to Johns-Manville Corp. Molding press and method of molding. 2,979,770, 4–18–61, Cl. 18—16.7.
Greene, Kermit, to Sherman Paper Products Corp. Apparatus for applying flat strips to corrugated paper. 2,980,159, 4–18–61, Cl. 154—1.6.
Greene, Matthew. Amusement device. 3,005,635, 10–24–61, Cl. 273—109.
Greene, Monty P., and A. A. Vicksman. Quick acting chuck. 3,004,767, 10–17–61, Cl. 279—103.
Greene, Norman D., and H. F. Poppendiek, to General Dynamics Corp. Salt water conversion. 2,992,977, 7–18–61, Cl. 202—64.
Greene, Paul. Ice bunker refrigerator. 2,988,901, 6–20–61, Cl. 62—418.
Greene, Paul B., A. B. Mewhinney, and F. E. Wirtz, to General Motors Corp. Stator coil winding machine. 2,988,291, 6–13–61, Cl. 242—1.1.
Greene, Percy W., to Barbour Welting Co. Beaded shoe welting and method of making the same. 2,986,754, 6–6–61, Cl. 12—146.
Greene, Percy W., to Barbour Welting Co. Method of making beaded shoe welting. 3,007,185, 11–7–61, Cl. 12—146.
Greene, Ralph L., to Owens-Illinois Glass Co. Pallet. 3,012,747, 12–12–61, Cl. 248—120.
Greene, Richard C.: *See*—
Lamontagne, Renald L., and Greene. 2,985,001.
Pelto, Frank. 3,003,654.
Greene, Robert A. Apparatus for carburetion. 3,006,619, 10–31–61, Cl. 261—41.
Greene, Robert A. Cooking device. 3,010,383, 11–28–61, Cl. 99—332.
Greene, Sanford. High-pressure precision fluid-operated device. 2,995,115, 8–8–61, Cl. 121—38.
Greene, Thom R.: *See*—
Merz, Donald M., and Greene. 3,009,638.
Greene, William E., and A. D. Robinson, to Beckman Instruments, Inc. Gas sample tube. 3,006,194, 10–31–61, Cl. 73—421.5.
Greene, William J., to Air Reduction Co., Inc. Line tracer apparatus and method. 3,004,166, 10–10–61, Cl. 250—202.
Greene, William J., and A. F. Clarke, Jr., to Air Reduction Co., Inc. Initiating and stabilizing welding arcs. 3,008,036, 11–7–61, Cl. 219—131.

Greene, William L., to Tecfab, Inc. Prefabricated building panel. 2,986,848, 6–6–61, Cl. 50—346.
Greenewald, Herbert, Jr. Method and composition for forming precision molds. 2,997,400, 8–22–61, Cl. 106—38.9.
Greenfield, Charles. Dehydration of fluid fatty mixtures. 2,979,408, 4–11–61, Cl. 99—56.
Greenfield, Jack, to Tung Research and Development League. Compositions and methods for curing epoxy resins. 2,967,837, 1–10–61, Cl. 260—18.
Greenfield, Milton H., to Sperry Rand Corp. Azimuth target gating system. 2,991,464, 7–4–61, Cl. 343—5.
Greenhill, Ernest L.: *See*—
St. Clair, Theodore A., and Greenhill. 2,976,726.
Greening, Alfred H.: *See*—
Kopp, Philip E. 2,987,057.
Kopp, Philip E. 2,987,058.
Greening, Donald J., N. L. Peterson, and C. E. Smith, to Cutler-Hammer, Inc. Motor control systems. 3,007,099, 10–31–61, Cl. 318—317.
Greening, John H., to Micromatic Hone Corp. Bore gauging device. 3,010,259, 11–28–61, Cl. 51—34.
Greening, John H., and A. S. Czubak, to Micromatic Hone Corp. Honing tool having full-floating body. 2,998,682, 9–5–61, Cl. 51—184.3.
Greenlaw, Lyle E., to Snappy, Inc. Detachable heat conduit fittings. 3,010,738, 11–28–61, Cl. 285—189.
Greenleaf, Nathaniel B., to Sponge Products Corp. Sponge mopping element for front presser mop. 2,975,455, 3–21–61, Cl. 15—244.
Greenleaf, Walter J. Cutting blade lock. 2,996,158, 8–15–61, Cl. 189—36.
Greenlee, Sylvan O. Resinous polyhydric phenol. 2,998,398, 8–29–61, Cl. 260—18.
Greenlee, Sylvan O. Glycidyl ethers of hydroxyphenylated petroleum resins. 3,010,920, 11–28–61, Cl. 260—18.
Greenlee, Sylvan O. Polyglycidyl ethers. 3,010,921, 11–28–61, Cl. 260—18.
Greenlees, James C., and W. C. Meyer, to Fairchild Stratos Corp. Surge controller for compressors and pumps. 3,002,521, 10–3–61, Cl. 137—115.
Greenlees, James C., Jr., to Fairchild Engine and Airplane Corp. Pressure controlled positioner. 2,984,216, 5–16–61, Cl. 121—41.
Greenlees, James C., Jr., to Fairchild Stratos Corp. Pressure controlled positioner. 3,004,526, 10–17–61, Cl. 121—41.
Greenley, Harold H., and L. B. Smith, to General Motors Corp. Electromagnetic indicators. 2,968,764, 1–17–61, Cl. 324—140.
Greenlie, David G., to W. R. Grace & Co. Valve stem and reciprocating shaft seal. 2,983,480, 5–9–61, Cl. 251—335.
Greenman, Joseph, P. Shalita, T. Taverna, and P. Cohen, to Technical Tape Corp. Nail coverings and methods of making same. 2,979,061, 4–11–61, Cl. 132—73.
Greenman, Norman L.: *See*—
Anderson, Paul L., Zagusta, and Greenman. 2,971,249.
Greenman, Norman L., J. A. Zagusta, and P. L. Anderson, to Rogers Corp. Printed circuits and methods of making the same. 2,972,003, 2–14–61, Cl. 174—68.5.
Greenman, Norman L., J. A. Zagusta, and P. L. Anderson, to Rogers Corp. Method of making a printed circuit. 2,986,804, 6–6–61, Cl. 29—155.5.
Greenman, Norman L., J. A. Zagusta, and P. L. Anderson, to Rogers Corp. Process for making a printed circuit. 2,988,839, 6–20–61, Cl. 41—37.
Greensboro Loom Reed Co., Inc.: *See*—
McFetters, George A. 2,974,687.
Greensburg Concrete Block Co.: *See*—
Repasky, Joseph and G. 2,990,069.
Greenshields, Robert O., and P. J. Hogan, to The Budd Co. Method of forming flanged hubs by forging and coining. 2,972,183, 2–21–61, Cl. 29—159.3.
Greenspan, Arnold. Automobile theft protection device. 3,004,170, 10–10–61, Cl. 307—10.
Greenspan, Frank P., and R. E. Light, Jr., to FMC Corp. Synthetic esters of epoxidized diene polymers and process of making same. 3,010,976, 11–28–61, Cl. 260—410.6.
Greenspan, Frank P., and S. M. Linder, to FMC Corp. Method of making carvomenthene oxide. 3,014,929, 12–26–61, Cl. 260—348.
Greenspan, George, and C. P. Schaffner, to Rutgers Research and Educational Foundation. Oxygenation of steroids by rhizoctonia and sclerotium. 2,968,595, 1–17–61, Cl. 195—51.
Greenspan, Joseph: *See*—
Kwart, Harold, and Yang. 2,984,146.
Greenspon, Seymour A., to Rand D Corp. Temperature tell-tale. 2,983,247, 5–9–61, Cl. 116—106.
Greenstein, Alexander and N., to East Coast Millwork Co., Inc. Window structure. 2,980,181, 4–18–61, Cl. 160—091.
Greenstein, Leon M.: *See*—
Mattin, Harry E., and Greenstein. 2,988,485.
Greenstein, Neil: *See*—
Greenstein, Alexander and N. 2,980,181.
Greenwald, Bertrand: *See*—
Kerschner, Paul M., and Greenwald. 3,014,056.
Greenwald, Bertrand W., and D. Milsom, to Cities Service Research and Development Co. Isomerization of hydrocarbons. 3,012,953, 12–12–61, Cl. 204—162.
Greenwald, Frank S.: *See*—
Buus, Harold W., and Greenwald. 2,992,736.
Greenwald, H., & Co. Inc.: *See*—
Greenwald, Harry. 2,983,436.
Greenwald, Harold A., to The Garrett Corp. Seal for refrigerant compressor. 2,973,135, 2–28–61, Cl. 230—114.
Greenwald, Harold A., to The Garrett Corp. Compressor. 2,973,136, 2–28–61, Cl. 230—116.
Greenwald, Harold L., and R. L. Givens, Jr., to Rohm & Haas Co. Composition and method for the elimination of waterblock in oil wells. 2,978,409, 4–4–61, Cl. 252—8.55.
Greenwald, Harry, to H. Greenwald & Co. Inc. Coin drawer with interchangeable lock bolt. 2,983,436, 5–9–61, Cl. 232—1.
Greenwald, Sidney D. Adjustable and removable partitioning device for automobiles. 2,982,579, 5–2–61, Cl. 296—24.
Greenwalt, Frederick A., to Ranco Inc. Reversing valve for refrigerating systems. 2,976,701, 3–28–61, Cl. 62—342.
Greenway, Sam W.: *See*—
Russell, William R. 2,992,029.
Greenwood, Arthur B. Clothespin. 2,983,014, 5–9–61, Cl. 24—137.
Greenwood, Eugene C. Combination metering and shut-off valve. 2,980,392, 4–18–61, Cl. 251—210.
Greenwood, Eugene C. Lubricant packed bumper sub. 2,996,131, 8–15–61, Cl. 175—293.
Greenwood, Gorman. Winch. 2,985,430, 5–23–61, Cl. 254—143.
Greenwood, Marvin H., and H. K. Beckmann. Ramjet propulsion device. 2,989,922, 6–27–61, Cl. 102—49.
Greenwood, Ruth A.: *See*—
Buell, Bennett G., and Greenwood. 2,992,218.
Greenwood, Sydney H. J.: *See*—
Eng, Jackson, and Greenwood. 3,001,607.
Greenwood, Thomas L., and A. E. Schuler, to United States of America, Army. Liquid level measurement system. 2,996,915, 8–22–61, Cl. 73—304.
Greer, Albert H., to Pfaudler Permutit, Inc. Process for suspension condensation of epihalohydrin alkylenepolyamine anion resins. 3,005,786, 10–24–61, Cl. 260—2.1.
Greer, Cecil B. Cable anchoring device. 2,984,881, 5–23–61, Cl. 24—125.
Greer, Donald M., to Armour and Co. Preparation of cheese slices for packaging. 2,971,846, 2–14–61, Cl. 99—115.
Greer, Edward M., to Greer Hydraulics, Inc. Method of assembling pressure accumulator. 3,001,268, 9–26–61, Cl. 29—157.
Greer Hydraulics, Inc.: *See*—
Greer, Edward M. 3,001,268.
Greer, J. W., Co.: *See*—
Genich, William H. 2,969,026.
Greer, James A., to Poor & Co. Rail joint bar. 3,003,701, 10–10–61, Cl. 238—243.
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Greer, Robert, Jr.: *See*—
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Greffe, André, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process for obtaining ferrous metals and alloys from their ores. 3,001,863, 9–26–61, Cl. 75—11.
Greger, Herbert H. Apparatus for fast-firing ceramic ware. 2,973,568, 3–7–61, Cl. 25—132.
Greger, Paul: *See*—
Fischer, Oskar, and Greger. 3,011,415.
Fischer, Oskar, Greger, Papke, Kinder, and Weidner. 2,996,964.
Sommer, Richard, and Greger. 2,981,163.
Greger, Paul, to Voigtlander A.G. Photographic camera. 2,975,687, 3–21–61, Cl. 95—10.
Gregg, David H.: *See*—
Carper, Robert F., Gregg, and Lintner. 2,994,639.
Gregg, Earl C., Jr.: *See*—
Hendry, Charles M., and Gregg. 3,001,993.
Gregg, Earl C., Jr., to The B. F. Goodrich Co. Composition comprising styrene-butadiene elastomer, carbon black, an amino-thiazole disulfide and a cadmium compound and method for curing same. 2,968,640, 1–17–61, Cl. 260—41.5.
Gregg, Earle C., Jr., and E. F. Shrader, to United States of America, Navy. Electronic switching apparatus and method. 2,999,225, 9–5–61, Cl. 340—8.
Gregg, Mahlon H.: *See*—
Vogt, Louis E., Decker, and Gregg. 2,984,422.
Gregg, Robert A.: *See*—
Gartrell, Robert D., Gregg, and Farrell. 3,002,866.
Gregg, Robert D., and R. B. Persson, to Link-Belt Co. Materials handling apparatus. 2,987,164, 6–6–61, Cl. 198—52.
Gregg, William, to The W. H. Fay Co. Secondary trailer assembly. 2,982,563, 5–2–61, Cl. 280—81.
Gregg, Woodrow W. Anti-friction bearing construction. 2,991,133, 7–4–61, Cl. 308—187.2.
Gregoire, Arnold E. Automobile trunk lid holder kit. 2,973,217, 2–28–61, Cl. 292—288.
Gregoire, Collette: *See*—
Cahne, Armand. 3,008,601.
Gregoire, Jean A. Suspension of vehicles. 2,984,475, 5–16–61, Cl. 267—31.
Gregoire, Resta S., to J. A. Mosesso. Combination boat and trailer. 2,984,845, 5–23–61, Cl. 9—1.
Gregoire, Stephen E., and P. A. Blackington, to The Bendix Corp. High temperature lead assembly. 2,969,420, 1–24–61, Cl. 174—75.

Gregoire, Stephen E., R. J. Davies, and S. A. Schroeder, to The Bendix Corp. High temperature lead assembly. 2,982,937, 5–2–61, Cl. 339—89.

Gregor, Harry P., and H. I. Patzelt, to Nalco Chemical Co. Electronegative selective permeable membrane and method of production. 3,004,904, 10–17–61, Cl. 204—180.

Gregor, Harry P., and H. I. Patzelt, to Nalco Chemical Co. Electropositive selective permeable membrane and method of production. 3,004,909, 10–17–61, Cl. 204—180.

Gregor, Lawrence V., and J. A. Parkins, to E. I. du Pont de Nemours and Co. Phosphonitrilic chloride polymer manufacture. 2,998,297, 8–29–61, Cl. 23—14.

Gregorius, Joseph S., T. R. Reed, and H. W. Gardner, to Pittsburgh Plate Glass Co. Lehr. 3,000,141, 9–19–61, Cl. 49—47.

Gregory, Alfred A., to Metropolitan-Vickers Electrical Co. Ltd. Electric motor control. 3,008,074, 11–7–61, Cl. 318—264.

Gregory, Charles A., Jr., and W. R. Bullington, to Flight Research, Inc. Light intensity controller. 3,002,099, 9–26–61, Cl. 250—205.

Gregory, George P., and J. R. Nixon, Jr., to Hercules Powder Co. Phenol purification. 2,992,169, 7–11–61, Cl. 202—57.

Gregory, Harry R., to Coal Industry (Patents) Ltd. Ring roll presses. 2,966,699, 1–3–61, Cl. 18—9.

Gregory Industries, Inc.: *See*—
Hartz, Robert W. 3,000,097.
Singleton, Robert C., and McGinnis. 2,987,855.

Gregory, James J. Heater construction for kiln or other apparatus. 2,981,819, 4–25–61, Cl. 219—35.

Gregory, James N. Pipe handling apparatus for use in and about a derrick. 3,006,680, 10–31–61, Cl. 294—93.

Gregory, Jackson, Jr., and D. R. Bates. Convertible bed. 2,987,733, 6–13–61, Cl. 5—2.

Gregory, John H.: *See*—
Creusere, Melville C., and Gregory. 3,001,718.

Gregory, John H., and J. M. Boyle, to United States of America, Navy. Lead computing and scanning antenna. 3,009,152, 11–14–61, Cl. 343—705.

Gregory, Marion B.: *See*—
Ludeke, Rudolf, and Gregory. 2,975,328.

Gregory, Peter J.: *See*—
Kuebler, Werner R., Gregory, and Cockeram. 2,985,642.

Gregory, Walter A., to E. I. du Pont de Nemours and Co. Compositions of aliphatic dibasic acid half esters of dichloracetyl-phenylpropanediols. 2,988,481, 6–13–61, Cl. 167—65.

Gregory, Walter A., to E. I. du Pont de Nemours and Co. Trifluoro methylthiophenyl-dichloroacet-amides-1,3-propanediol. 3,012,073, 12–5–61, Cl. 260—562.

Greibach, Emil H. Multi-range alternating current measuring devices. 3,012,196, 12–5–61, Cl. 324—115.

Greier, Josef, and B. Schukoff, to H. List. Precombustion chamber of fuel injection engines. 2,969,050, 1–24–61, Cl. 123—32.

Greif, Jean A. Attachment for automatically playing root tones of chords in bass section of organ. 3,001,432, 9–26–61, Cl. 84—1.01.

Greif, Norman: *See*—
Alexander, Everett, Greif, Jass, and Stetzer. 2,974,089.

Greiff, Paul, and C. E. Jahnig, to Esso Research and Engineering Co. Catalytic treatment of hydrocarbons in the presence of naphthenes. 3,002,037, 9–26–61, Cl. 260—683.53.

Greig, Harold G., to Radio Corp. of America. Electrostatic printing. 2,979,402, 4–11–61, Cl. 96—1.

Greig, John H.: *See*—
Goertzel, Gerald, and Greig. 3,012,723.

Greiller, Jack F., to Eastman Kodak Co. Method and apparatus for coating a surface. 3,000,760, 9–19–61, Cl. 117—111.

Grein, Hermann: *See*—
Weber, Wolfgang, and Grein. 2,969,197.

Greiner, Carl F., to Koehring Co. Pressure control means for road rollers. 3,009,401, 11–21–61, Cl. 94—50.

Greiner, Earl S.: *See*—
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Greiner, Earl S., to Bell Telephone Laboratories, Inc. Processing of boron compact. 2,990,261, 6–27–61, Cl. 23—301.

Greiner, John R., and R. W. Eichorn, to Lennox Industries, Inc. Furnace gas manifold and clamping structure. 2,985,232, 5–23–61, Cl. 158—7.

Greiner, John R., and R. W. Eichorn, to Lennox Industries, Inc. Gas burner igniter. 2,993,534, 7–25–61, Cl. 158—115.

Greiner, Leonard, to Texaco Experiment Inc. Reaction propulsion system and rocket. 2,996,880, 8–22–61, Cl. 60—35.6.

Greiner, Rudolf. Stroboscope. 2,996,668, 8–15–61, Cl. 324—79.

Greiner, Rudolf. Spiral roll. 3,013,380, 12–19–61, Cl. 58—115.

Greis, Harry H. Refill device for cartridges of ball point pens. 3,006,386, 10–31–61, Cl. 141—30.

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Caldwell, Samuel P. 3,008,723.
Nickerson, Basil S. 2,985,125.
Nickerson, Basil S. 2,995,098.

Greller, Nelson P.: *See*—
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Greller, Nelson P., to Nelson Laboratories, Inc. Conveyor system. 2,984,366, 5–16–61, Cl. 214—11.

Greminger, George K., Jr.: *See*—
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Gremmelmaier, Rolf: *See*—
Welker, Heinrich, and Gremmelmaier. 2,988,639.

Grenchus, Edward J.: *See*—
Demer, Frederick M., and Grenchus. 2,993,437.

Grenier, Joseph J. Transmission gear. 2,990,728, 7–4–61, Cl. 74—780.

Grenier, Thomas J., to Bell Telephone Laboratories, Inc. Transistor filter. 2,995,697, 8–8–61, Cl. 323—22.

Grenoble, Herbert E., to General Electric Co. Cast intermediate or blank and method of preparation. 2,970,075, 1–31–61, Cl. 148—110.

Grenoble, Herbert E., to General Electric Co. Protective coating for molybdenum. 2,993,264, 7–25–61, Cl. 29—183.5.

Gres, Marcel E., to United States of America, Navy. Electro-mechanical indexing clutch. 2,990,046, 6–27–61, Cl. 192—139.

Gres, Marcel E., to United States of America, Navy. Pressure responsive valve. 2,994,267, 8–1–61, Cl. 102—7.

Gresham, Claude D., and E. Hoffmann, to Tip-Top Products Co. Pony tail holders. 2,998,015, 8–29–61, Cl. 132—48.

Gresham, William F.: *See*—
Bruton, James D., Gresham, and McPherson. 2,989,515.

Gresko, Raymond S., to Bendix-Westinghouse Automotive Air Brake Co. Condensate drain and antifreeze injector. 2,989,978, 6–27–61, Cl. 137—204.

Gresko, Raymond S., to Bendix-Westinghouse Automotive Air Brake Co. Control system for fifth wheels. 3,002,767, 10–3–61, Cl. 280—434.

Gress, Albert V., Jr.: *See*—
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Gresse, André. Bending process. 2,983,995, 5–16–61, Cl. 29—157.6.

Gressel, Edmond. Coupling for plastic lined pipe. 2,998,984, 9–5–61, Cl. 285—55.

Gressel, Edmund, to Maschinenfabrik Edm. Gressel A.G. Self adjusting full flow pipe joint. 2,967,068, 1–3–61, Cl. 285—328.

Greswold, Forrest E., to Radio Corp. of America. Automatic electron tube cage assembling apparatus and method. 2,984,891, 5–23–61, Cl. 29—25.13.

Gretener, Dr. Edgar, A.-G.: *See*—
Gretener, Edgar. 2,972,011.

Gretener, Edgar, to Dr. Edgar Gretener, A.-G. Method for processing a subtractive motion pictured film. 2,972,011, 2–14–61, Cl. 178—5.2.

Gretener, Edgar, to E. Gretener, A.G. Process for the manufacture of embossed screens. 2,974,709, 3–14–61, Cl. 153—48.

Gretener, Edgar, A.G.: *See*—
Gretener, Edgar. 2,974,709.

Grether, Tobias. Method of growing and harvesting sugar cane. 3,001,327, 9–26–61, Cl. 47—58.

Gretter, Ralph W., to Bell Telephone Laboratories, Inc. Cable-handling apparatus. 2,996,231, 8–15–61, Cl. 226—108.

Gretter, Ralph W., to Bell Telephone Laboratories, Inc. Cable engine load distribution means. 3,010,631, 11–28–61, Cl. 226—172.

Grettie, Donald P., to Swift & Co. Defatting animal skins. 2,992,247, 7–11–61, Cl. 260—412.6.

Grenbel, Paul W., to Interchemical Corp. Apparatus for testing inks. 2,993,371, 7–25–61, Cl. 73—150.

Greunke, Orville V., and F. S. Preston, to United Aircraft Corp. Multiphase analog to digital converter. 2,976,528, 3–21–61, Cl. 340—347.

Greve, Edward H. Toy. 2,975,547, 3–21–61, Cl. 46—11.

Greve, Edward H., to H. E. Wills Co., Inc. Line and method of manufacture thereof. 2,985,056, 5–23–61, Cl. 87—1.

Greve, Horst E.: *See*—
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Grevich, John J., and P. O. Jordan, to Doughboy Industries, Inc. Jaw type heat sealing machines. 3,001,457, 9–26–61, Cl. 93—27.

Grewal, Balwant S.: *See*—
Morton, Damon D., and Grewal. 2,991,623.

Grewe, Theodor, to International Standard Electric Corp. Apparatus for determining the position of printed items. 2,991,369, 7–4–61, Cl. 250—219.

Grewell, Glenwood, and K. J. Jones, to United States of America, Air Force. Variable frequency pulse generator. 2,980,771, 4–18–61, Cl. 200—24.

Grey, David S., to Polaroid Corp. Combined range finder and view finder. 3,003,407, 10–10–61, Cl. 95—44.

Grey, David S., E. H. Land, and W. H. Ryan, to Polaroid Corp. Stereoscopic lens-prism optical system. 2,991,690, 7–11–61, Cl. 88—16.6.

Grey, John C., to Turbomachines Ltd. Flexible coupling. 3,004,409, 10–17–61, Cl. 64—12.

Grey, Thomas F.: *See*—
Ames, Donald E., and Grey. 2,995,562.

Grey, William L.: *See*—
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Grib, Boris F., and J. J. McMeekin, to Philamon Laboratories, Inc. Electrical equipment housing. 3,014,774, 12–26–61, Cl. 312—341.

Gribble, Joseph J., to Square D Co. Electrical connector. 3,015,084, 12–26–61, Cl. 339—272.

Gribble, Peter D.: *See*—
Snelling, Eric C., and Gribble. 2,995,699.

Gridley, Darrin H. Digital synchro data transmission system. 2,970,302, 1-31-61, Cl. 340—206.
Gridley, Darrin H., and M. P. Young. Digital synchro data transmission system. 2,984,828, 5-16-61, Cl. 340—204.
Gridley, William W. Load lifting apparatus. 3,003,746, 10-10-61, Cl. 254—9.
Grieg, Donald D., to Electronic Research Associates, Inc. Transistor power systems. 2,990,517, 6-27-61, Cl. 331—52.
Grieg, Donald D., and R. B. Reade, to International Telephone and Telegraph Corp. Frequency responsive transmitter-receiver system. 2,985,754, 5-23-61, Cl. 250—17.
Griem, Milton E., to Milprint, Inc. Commodity confining and display band. 2,971,641, 2-14-61, Cl. 206—46.
Griemert, Karl H. Can crusher. 3,009,414, 11-21-61, Cl. 100—293.
Griemsmann, John W. E., to United States of America, Army. Broadband switching junction. 2,970,283, 1-31-61, Cl. 333—9.
Griengl, Walter, to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz. Television cameras. 2,982,816, 5-2-61, Cl. 178—7.2.
Gries, Otto: *See*—
Morin, Louis H., and Gries. 2,968,821.
Grieselhuber, William, to The Western States Machine Co. Loading gate assemblies. 2,998,220, 8-29-61, Cl. 251—31.
Grieselhuber, William, to The Western States Machine Co. Sugar mingler shaft mounting. 3,009,683, 11-21-61, Cl. 257—79.
Griesemer, Earl S. E., to Textile Machine Works. Carrier for braiding machines. 3,004,463, 10-17-61, Cl. 87—56.
Griesheimer, Richard E.: *See*—
Hazelton, Merrill W., Griesheimer, and Ostendorf. 2,978,976.
Griesser A.G.: *See*—
Griesser, Fritz. 2,987,120.
Griesser, Fritz, to Griesser A.G. Venetian blind assembly. 2,987,120, 6-6-61, Cl. 160—25.
Grieve, George T. W., and H. W. R. Watson, to British Insulated Callender's Cables Ltd. Method and apparatus for controlling the tension in tapes. 3,006,136, 10-31-61, Cl. 57—3.
Griffen, Ralph R., to Holley Carburetor Co. Carburetor means for maintaining any selected vehicle speed. 2,968,377, 1-17-61, Cl. 192—3.
Griffeth, Forrest P. and L. Combined closure and scouring pad for containers. 2,974,786, 3-14-61, Cl. 206—47.
Griffeth, Lena: *See*—
Griffeth, Forrest P. and L. 2,974,786.
Griffin, Benjamin J. Exercising device. 2,973,962, 3-7-61, Cl. 272—67.
Griffin, Charles E.: *See*—
Wilson, Mills H., and Griffin. 2,986,204.
Griffin, Clarence F., Jr., and N. W. Barnhill, to Esso Research and Engineering Co. Methods for reconditioning worn pistons. 2,984,895, 5-23-61, Cl. 29—401.
Griffin, Donald E., to Phillips Petroleum Co. Separation of acetylene. 2,993,566, 7-25-61, Cl. 183—115.
Griffin, Donald N.: *See*—
Stone, Spencer A., and Griffin. 2,988,104.
Griffin, Donald N., to Olin Mathieson Chemical Corp. Pump. 3,011,451, 12-5-61, Cl. 103—166.
Griffin, Donald N., and R. W. Wanter. Flame thrower. 2,971,573, 2-14-61, Cl. 158—28.
Griffin, Edward L., Jr.: *See*—
Mustakas, Gus C., and Griffin. 2,967,166.
Griffin, Gerald G. Beverage, punch-type can opener. 3,006,071, 10-31-61, Cl. 30—16.
Griffin, James H. Built in insecticide distribution system. Re. 25,080, 11-14-61, Cl. 43—124.
Griffin, James R., to American Radiator & Standard Sanitary Corp. Sheet metal gas burner with removable insert. 3,002,552, 10-3-61, Cl. 158—116.
Griffin, John P. Transparent symbol stamps. 2,970,539, 2-7-61, Cl. 101—368.
Griffin, Leonard H., and D. M. Sheets, to Shell Oil Co. Continuous process for preparing glycidyl polyethers of polyhydric phenols. 2,986,551, 5-30-61, Cl. 260—47.
Griffin, Robert J., to Noise Control of Seattle, Inc. Spline. 3,001,616, 9-26-61, Cl. 189—88.
Griffin, Robert N.: *See*—
Reddie, William A., and Griffin. 2,994,660.
Griffin, Roger L., to Swift & Co. Computer device for leather stacker. 2,987,162, 6-6-61, Cl. 198—21.
Griffin, Thomas R.: *See*—
Davies, Gerald T., Fisher, Jones, Lewis, Wilson, Griffin, and Hewitt. 3,010,147.
Griffin, Thomas S., to National Lead Co. Continuous titaniferous iron material digestion process utilizing concentrated sulfuric acid, a foaming agent and water. 2,982,613, 5-2-61, Cl. 23—117.
Griffin Wheel Co.: *See*—
Drever, James R. 3,011,231.
Drever, James R., Kavanaugh, and Bossong. 2,999,281.
Hursen, Horace H. 2,990,592.
Strom, Charles F. 2,997,756.
Griffin, Wilber H.: *See*—
Taylor, William B., and Griffin. 2,980,451.
Griffing, John M., to E. I. du Pont de Nemours and Co. Process of shrinking solid polymethylene terephthalate with halogenated methanes. 2,981,978, 5-2-61, Cl. 18—48.
Griffith, Alan A., to Rolls-Royce Ltd. Aircraft with tiltable lift engines. 2,982,495, 5-2-61, Cl. 244—12.
Griffith, Alan A., to Rolls-Royce Ltd. Fuel system for supplying gaseous fuel to internal combustion engines. 2,984,978, 5-23-61, Cl. 60—39.46.
Griffith, Alan A., to Rolls-Royce Ltd. Supersonic narrow delta aircraft construction. 2,998,947, 9-5-61, Cl. 244—117.
Griffith, Alan A., and D. Eyre, to Rolls-Royce Ltd. Aircraft. 2,982,501, 5-2-61, Cl. 244—119.
Griffith, Bain, to Ford Motor Co. Double universal joint. 2,987,896, 6-13-61, Cl. 64—21.
Griffith, Benjamin F., deceased; K. E. Griffith, and W. Pastoria, administrators. Pivoted window sash. 2,987,783, 6-13-61, Cl. 20—49.
Griffith, Cecil B., P. V. Andreae, and J. Glasser, ½ to Republic Steel Corp. and ½ to Vitro Corp. of America. Thorium-magnesium alloys. 3,009,808, 11-21-61, Cl. 75—122.7.
Griffith, David E., and R. H. Heffelfinger, to General Electric Co. Aerodynamic structural separation device and method. 3,004,489, 10-17-61, Cl. 102—49.
Griffith, Edwin, and E. S. Stickley. Materials processing apparatus. 2,991,870, 7-11-61, Cl. 198—64.
Griffith, George E.: *See*—
Kordes, Eldon E., Tussell, Weidman, and Griffith. 3,005,081.
Griffith, George H. and R. T. Automobile bunk. 2,970,323, 2-7-61, Cl. 5—118.
Griffith, George L., T. P. Dowling, and F. B. Wells, to Trojan Powder Co. Container for explosive article. 2,993,441, 7-25-61, Cl. 102—20.
Griffith, John G., and F. W. Coleman. Diving board and mounting means therefor. 3,003,763, 10-10-61, Cl. 272—66.
Griffith, Kenneth E.: *See*—
Griffith, Benjamin F. 2,987,783.
Griffith Laboratories, Inc., The: *See*—
Hall, Lloyd A. 2,981,628.
Sair, Louis. 2,992,116.
Sair, Louis. 3,001,875.
Sair, Louis, and Komarik. 2,992,115.
Griffith, Raymond C. Temperature compensating hydraulic cylinder. 2,984,983, 5-23-61, Cl. 60—54.5.
Griffith, Richard: *See*—
Beckmann, Charles O., Klein, and Griffith. 2,967,869.
Kapp, Roland, and Griffith. 2,992,273.
Klein, Howard C., and Griffith. 2,976,298.
Klein, Howard C., Kapp, and Griffith. 3,009,922.
Griffith, Richard T.: *See*—
Griffith, George H. and R. T. 2,970,323.
Griffith, Robert M. Swivel support for shovel boom. 3,004,674, 10-17-61, Cl. 212—42.5.
Griffith, Rolf P. Copy mounting and label holding and dispensing attachment for a typewriter carriage. 2,971,628, 2-14-61, Cl. 197—133.
Griffith, Rolland C., to The Heald Machine Co. High-speed wheelhead. 2,994,995, 8-8-61, Cl. 51—134.5.
Griffith, Thomas R., and J. E. Tyson, to National Research Council. Process of preparing rubber derivatives wherein lignin is used as an acid carrier. 3,013,094, 12-12-61, Cl. 260—762.
Griffith, William H.: *See*—
Selberg, John P., and Griffith. 2,983,341.
Griffiths, Arthur J. H., and A. B. Fieldhouse, to The British Oxygen Co. Ltd. Electric arc welding electrode. 2,983,632, 5-9-61, Cl. 117—205.
Griffiths, Benjamin K., to The Permutit Co. Ltd. Method of reducing scale formation in electrodialytic cells. 2,981,671, 4-25-61, Cl. 204—180.
Griffiths, E. F., Co., The: *See*—
Raub, William A., and Ullman. 3,000,335.
Griffiths, Edward G., and E. H. Stocker, to Camloc Fastener Corp. Rotary stud fastener. 2,995,793, 8-15-61, Cl. 24—221.
Griffiths Electronics, Inc.: *See*—
Griffiths, Leighton E. 3,005,123.
Griffiths, Kenneth F., 50% to J. L. Kerby. Method of and apparatus for segregating by fractional solidification. 3,005,691, 10-24-61, Cl. 23—295.
Griffiths, Leighton E., to Griffiths Electronics, Inc. Electron gun construction. 3,005,123, 10-17-61, Cl. 313—82.
Griffiths, Leland R., to International Harvester Co. Hay crushing rolls with spiral grooves. Re. 24,973, 4-25-61, Cl. 56—1.
Griffiths, Leonard: *See*—
Coe, Reginald T., and Griffiths. 2,968,740.
Griffolyn Co., Inc.: *See*—
Lappala, Risto P. 2,999,041.
Griffon, Henri. Container for the separate storage and extemporaneous mixing of constituents in injectable solution. 2,974,785, 3-14-61, Cl. 208—47.
Griggs, John O. Method of and means for production of steel ingots. 2,976,586, 3-28-61, Cl. 22—61.
Grigor, James: *See*—
Harper, Aubrey E., Grigor, and Cooke. 2,977,208.
Grigsby, John D.: *See*—
Sampietro, Achilles C., and Grigsby. 2,994,026.
Grihangne, André E., and A. Fatou. Helicopter landing system. 3,013,747, 12-19-61, Cl. 244—17.17.
Grill, Raymond E., to Northrop Corp. Wing severing device. 2,973,164, 2-28-61, Cl. 244—14.

Grillot, Gerald F.: *See*—
Grove, Cornelius S., Jr., Grillot, and Stannett. 2,974,124.
Grim, Otto: *See*—
Waas, Heinrich, Ehlers, and Grim. 2,995,103.
Grimaldi, Guy M.: *See*—
Foreman, Alexander, and Grimaldi. 2,968,809.
Grimaldi, Guy M., to Sylvania Electric Products, Inc. Automatic socket packaging machine. 2,967,385, 1–10–61, Cl. 53—78
Grimes, Charles E., to Toro Mfg. Corp. Lawn mower roller and support. 2,968,906, 1–24–61, Cl. 56—249.
Grimes, Charles G. Halogen treatment of combustion chambers. 2,970,067, 1–31–61, Cl. 117—62.
Grimes, Charles O'H.: *See*—
Sykes, William G. 3,007,710.
Grimes, David D.: *See*—
Schmidt, Robert L., Miller, and Grimes. 3,000,305.
Grimes, David D. Universal bracket for mounting in a panel or wall opening. 2,992,754, 7–18–61, Cl. 220—18.
Grimes, David D., A. H. Miller, and R. L. Schmidt, to United States of America, Navy. Connector. 2,997,682, 8–22–61, Cl. 339—75.
Grimes, Elmer W. Atmospheric water supply apparatus. 2,996,897, 8–22–61, Cl. 62—260.
Grimes Mfg. Co.: *See*—
Roper, John M. 2,991,576.
Grimes, Patrick G., to Allis-Chalmers Mfg. Co. Preparation of spectrographically nickel-free cobalt. 3,007,793, 11–7–61, Cl. 75—119.
Grimes, Warren R., to United States of America, Atomic Energy Commission. Purification of fluoride salts. 2,987,375, 6–6–61, Cl. 23—14.5.
Grimes, William E. Fishing rod holder. 2,971,734, 2–14–61, Cl. 248—44.
Grimes, William W., L. D. Mills, Jr., and J. S. Wishart, to The Standard Oil Co. Catalyst sampling. 2,973,645, 3–7–61, Cl. 73—424.
Grimm, Albert C., and R. T. Schumacher, to Radio Corp. of America. Transition device. 2,982,927, 5–2–61, Cl. 333—34.
Grimm, George W.: *See*—
Bosch, Carl, and Grimm. 3,009,148.
Grimm, Irve C. Apparatus for drilling holes deviating laterally from a straight bore. 3,011,568, 12–5–61, Cl. 175—74.
Grimm, John F.: *See*—
Minowitz, Wilbert, and Grimm. 2,975,288.
Grimm, John F., to Tung-Sol Electric Inc. Radiation meter. 2,986,640, 5–30–61, Cl. 250—83.6.
Grimm, Richard. Fastening loop bands with waistband and method of producing the same. 2,977,998, 4–4–61, Cl. 139—384.
Grimme, Walter, W. Keil, and H. Schmitz, to Rheinpreussen Aktiengesellschaft fur Bergbau und Chemie. Penicillin salts of amino salicylates. 2,969,357, 1–24–61, Cl. 260—239.1.
Grimmer, George G., to Otis Engineering Corp. Selective cross-over device. 2,978,031, 4–4–61, Cl. 166—114.
Grimmer, George G., to Otis Engineering Corp. Fluid flow systems and pilot valves therefor. 3,007,492, 11–7–61, Cl. 137—620.
Grimmer, George G., and H. B. Schramm, to Otis Engineering Corp. Side port valve assembly well tools. 2,999,546, 9–12–61, Cl. 166—224.
Grimone, Frank H., to Sylvania Electric Products Inc. Work holders for use with spray devices. 2,977,930, 4–4–61, Cl. 118—500.
Grimsal, Edward G.: *See*—
Sanders, Guy J., Grimsal, and Lawrie. 3,003,548.
Grimshaw, Robert J., and C. A. Derrick. Tape pulling pliers. 3,005,366, 10–24–61, Cl. 81—5.1.
Grimson, John H.: *See*—
Goertz, Raymond C., Grimson, and Kohut. 2,978,118.
Grindrod, Paul E. Method of packaging food products to inhibit growth of molds and bacteria. 2,967,777, 1–10–61, Cl. 99—178.
Griner, Arthur J., to National Biscuit Co. Sandwich machines. 3,013,693, 12–19–61, Cl. 221—211.
Gring, John L.: *See*—
Friedman, Bernard S., Morritz, Keith, Chambers, and Gring. 2,992,189.
Teter, John W., Gring, and Keith. 2,973,245.
Grinnell, Charles L. Self bailing device. 2,989,020, 6–20–61, Cl. 114—185.
Grinnell Corp.: *See*—
Boteler, Henry W. 3,014,690.
Fain, Mitchell S. 2,976,558.
Fain, Mitchell S. 2,981,644.
Holmen, Torleif K. 2,969,972.
Loepsinger, Albert J. 2,978,763.
Loepsinger, Albert J. 2,984,263.
Sherburne, Philip C. 2,974,914.
Sherburne, Philip C. 2,975,995.
Sherburne, Philip C., and Zollinger. 2,975,996.
Thielsch, Helmut J. 2,987,022.
Thielsch, Helmut J. 3,001,497.
Thielsch, Helmut J. 3,002,191.
Zollinger, Alfred. Re. 24,934.
Zollinger, Alfred. 2,974,915.
Zollinger, Alfred. 2,981,512.
Zollinger, Alfred. 2,993,670.
Grinnell, Stuart W., W. A. Perkins, Jr., and L. M. Vaughan, to Metronics Associates, Inc. Sampling apparatus and method. 2,973,642, 3–7–61, Cl. 73—170.
Grinnell, William W.: *See*—
Ross, Oren E., and Grinnell. 2,996,764.
Grinsinger, Raymond C. Printed electrical circuit panel having angularly disposed sections. 2,998,475, 8–29–61, Cl. 174—68.5.
Grinstead, Carl E. Shielding device. 2,976,466, 3–21–61, Cl. 317—246.
Grip, Erik K., to Aktiebolaget Atvidaberg-Facit. Calculating machines of the ten-key type. 2,981,468, 4–25–61, Cl. 235—63.
Griscom-Russell Co., The: *See*—
Danesi, Caesar M. 2,995,341.
Gardner, Karl A., and Boni. 2,995,343.
Gardner, Karl A., Lode, and Ryder. 3,012,761.
Gardner, Raymond, Jr., and Ryder. 2,996,600.
Heimberger, Oscar W. 2,989,109.
Otten, Philip S. 2,990,162.
Griscom, Samuel B., to Westinghouse Electric Corp. Air-break disconnecting switch. 3,004,116, 10–10–61, Cl. 200—48.
Grisdale, George L., and A. Bickers, to Marconi's Wireless Telegraph Co. Ltd. Radio communication systems. 2,985,875, 5–23–61, Cl. 343—100.
Grise, Alfred L., to Gilbert & Barker Mfg. Co. Proportioning type liquid dispensing apparatus. 2,973,118, 2–28–61, Cl. 222—26.
Grise, Alfred L., to Gilbert & Barker Mfg. Co. Dispensing apparatus for blended liquids. 2,996,221, 8–15–61, Cl. 222—26.
Griset, Ernest J., Jr., to Ethicon, Inc. Spinnerettes. 2,985,911, 5–30–61, Cl. 18—8.
Griset, Ernest J., Jr., and G. I. Thurmond, to American Enka Corp. Production of rayon. 2,977,184, 3–28–61, Cl. 18—54.
Grishin, Peter F., Z. Szaloki, and E. E. H. Zimmermann, Jr., to Whitin Machine Works. Spinning ring. 3,011,301, 12–5–61, Cl. 57—119
Grishman, Simon, to William Gluckin & Co., Inc. Girdle with dual body walls united by front and rear panels. 2,989,054, 6–20–61, Cl. 128—546.
Grishman, Simon, to William Gluckin & Co., Inc. Panty girdle with relatively movable side panels. 3,012,556, 12–12–61, Cl. 128—524.
Grishman, Simon, to William Gluckin & Co., Inc. Girdle with waistband reinforcements. 3,012,557, 12–12–61, Cl. 128—533.
Grishman, Simon, to William Gluckin & Co., Inc. Girdle with relatively movable front waistband panels. 3,012,558, 12–12–61, Cl. 128—546.
Grishman, Simon, to William Gluckin & Co., Inc. Girdle with relatively movable side panels. 3,012,559, 12–12–61, Cl. 128—547.
Grishman, Simon, to William Gluckin & Co., Inc. Girdle with relatively movable side flaps. 3,012,560, 12–12–61, Cl. 128—547.
Grisinger, Arnott B., and R. T. Noe, to Ford Motor Co. Vehicle body. 2,987,345, 6–6–61, Cl. 296—137.
Grisley, Daniel W., Jr.: *See*—
Heininger, Samuel A., and Grisley. 3,005,009.
Grisley, Daniel W., Jr., to Monsanto Chemical Co. Method for preparing dihydrocarbyloxyphosphinyl formamides. 3,005,010, 10–17–61, Cl. 260—461.
Grisley, Daniel W., Jr., and S. A. Heininger, to Monsanto Chemical Co. Derivatives of alkali metal dihydrocarbyloxyphosphinyl thioformates. 3,004,886, 10–17–61, Cl. 167—22.
Grisley, Daniel W., Jr., G. H. Birum, and S. A. Heininger, to Monsanto Chemical Co. Derivatives of dihydrocarbyloxyphosphinyl thioformic acids and preparation of the same. 3,005,008, 10–17–61, Cl. 260—461.
Grissom, David L. Animal catching and holding gate. 3,010,429, 11–28–61, Cl. 119—98.
Griswold, Augustus W., to Pullman Mfg. Corp. Friction brake spiral balance. 3,007,194, 11–7–61, Cl. 16—193.
Griswold, Augustus W., and H. A. Klumb, to Taylor Instrument Companies. Step-type control system and relay therefor. 2,979,068, 4–11–61, Cl. 137—82.
Griswold, Charles J., Jr., and J. D. Leslie, to General Motors Corp. Closure latches. 2,992,032, 7–11–61, Cl. 292—48.
Griswold, David E., to D. G. Griswold. Switch control system for electric motor. 2,991,404, 7–4–61, Cl. 318—466.
Griswold, David E., to D. G. Griswold. Valves and automatic control means therefor. 2,991,796, 7–11–61, Cl. 137—489.
Griswold, David E., to D. G. Griswold. Process controller. 2,994,814, 8–1–61, Cl. 318—467.
Griswold, David E., P. W. Carsten, and J. D. Settles, to D. G. Griswold. Multiple control for distribution system. 2,986,167, 5–30–61, Cl. 137—624.16.
Griswold, Donald G.: *See*—
Griswold, David E. 2,991,404.
Griswold, David E. 2,991,796.
Griswold, David E. 2,994,814.
Griswold, David E., Carsten, and Settles. 2,986,167.
Griswold, Earle A., and A. W. Lewing, to Tampax Inc. Catamenial tampon. 2,998,010, 8–29–61, Cl. 128—285.
Griswold, Hector W.: *See*—
Drelich, Arthur H., and Griswold. 3,009,822.
Griswold, Owen H. Methods of molding thermoplastic sheets. 3,007,206, 11–7–61, Cl. 18—56.

Griswold, Paul H., F. F. Ehrich, and W. S. Struve, to E. I. du Pont de Nemours and Co. Production of quinacridones. 2,969,366, 1–24–61, Cl. 260—279.
Gritzner-Kayser A.G.: *See*—
Meier, Günther. 2,987,021.
Sternberg, Willi. 3,012,527.
Grob, Cyril, and E. Renk, to Ciba Pharmaceutical Products Inc. Hydrogenated benz-indoles and process for their manufacture. 3,004,975, 10–17–61, Cl. 260—285.5.
Grob, Karl: *See*—
Eisenlohr, Karl-Heinz, and Grob. 2,997,477.
Grobecker, Hugo H., to Cleaver-Brooks Co. Chamfering tool. 2,969,000, 1–24–61, Cl. 90—12.
Grobel, Lloyd P.: *See*—
Kilbourne, Charles E., and Grobel. 2,975,308.
Grobel, Lloyd P., to General Electric Co. Shaft seal for hydrogen-cooled generator. 2,968,499, 1–17–61, Cl. 286—9.
Grobel, Lloyd P., to General Electric Co. Method and apparatus for explosion protection for hydrogen-cooled generators. 2,988,656, 6–13–61, Cl. 310—53.
Grobman, William: *See*—
Moser, Henry W., Grobman, and Eskilson. 2,975,706.
Moser, Henry W., Grobman, and Eskilson. 3,013,489.
Grobman, William, to Samuel M. Langston Co. Ductor roll mechanism for ink fountains. 3,003,416, 10–10–61, Cl. 101—350.
Groce, John C., to International Telephone and Telegraph Corp. Time recording in data storage systems. 2,993,195, 7–18–61, Cl. 340—172.5.
Groce, John C., and W. T. Rusch, to International Telephone and Telegraph Corp. Data translating system. 2,975,410, 3–14–61, Cl. 340—347.
Grodin, Jacob W., to The River Smelting & Refining Co. Ladle structure. 2,986,784, 6–6–61, Cl. 22—81.
Groebe, Harold F.: *See*—
Cornish, Harry E., Graef, Groebe, and Simpson. 2,969,702.
Groendijk, Hendrik, A. Versnel, and C. T. De Wit, to North American Philips Co., Inc. Travelling-wave tube. 3,003,078, 10–3–61, Cl. 315—3.5.
Groetzinger, Gerhart K., P. Schwed, and L. Witten, to The Martin Co. Bistable electrical circuit. 2,980,807, 4–18–61, Cl. 307—88.5.
Groff, Gaylord L.: *See*—
Bond, Herbert M., and Groff. 3,006,463.
Groft, Donald H., to York Body and Equipment Co. Electrically controlled actuator. 2,991,403, 7–4–61, Cl. 318—266.
Grogan, Charles H.: *See*—
Rice, Leonard M., and Grogan. 2,973,368.
Grogan, Leo E. Safety brake unit. 2,976,085, 3–21–61, Cl. 303—9.
Grogan, William R.: *See*—
Van Billiard, Lewis H., and Grogan. 3,012,087.
Gröger, Silvester, to Hora-Werk G.m.b.H. Shutters for cameras and the like. 2,969,007, 1–24–61, Cl. 95—56.
Groh, Irvin L. Expanding camping trailer. 3,013,836, 12–19–61, Cl. 296—23.
Grohe, Friedrich, Armaturenfabrik: *See*—
Bayer, Friedrich. 3,011,523.
Groleau, Joseph E. H. L., to St. Regis Paper Co. Control of the edge formation of extruded plastic film. 2,982,995, 5–9–61, Cl. 18—12.
Groll, Alvin F. Stock metering device. 2,984,012, 5–16–61, Cl. 271—2.3.
Groll, Manfred: *See*—
Bienert, Berthold, Breig, and Groll. 3,013,006.
Grolman, Wilhelm: *See*—
Franke, Erich, Grolman, Braun, and Weyrauch. 3,002,429.
Gromax, Inc.: *See*—
Grosz, Emil. 2,988,197,
Grondin, George F., to Collins Radio Co. Binary code synchronizer. 2,973,407, 2–28–61, Cl. 178—26.
Grondin, George F., to Collins Radio Co. Call recognition system. 2,973,507, 2–28–61, Cl. 340—155.
Grondin, George F., and R. N. Royer, to Collins Radio Co. Digital synchronization circuit operating by inserting extra pulses into or delaying pulses from clock pulse train. 2,980,858, 4–18–61, Cl. 328—63.
Gronemeier, Heinz, to Firma Emil Hoagland. Cutting machine for cutting textile or other material. 2,998,651, 9–5–61, Cl. 30—272.
Gronemeyer, Erich, to Container Corp. of America. Dispensing container closure. 2,990,980, 7–4–61, Cl. 222—536.
Gronemeyer, Erich, and S. Cherba, to Peerless Tube Co. Apparatus for molding hollow plastic articles. 2,999,273, 9–12–61, Cl. 18—30.
Gronemeyer, Erich, and S. Cherba, to Container Corp. of America. Container closure. 3,010,619, 11–28–61, Cl. 222—521.
Gronholz, Le Roy F., to E. I. du Pont de Nemours and Co. Process for biaxially elongating thermoplastic polymeric films. 2,968,065, 1–17–61, Cl. 18—48.
Grontkowski, Raymond B., to Signal-Stat Corp. Oscillator controlled flashing signal lamp circuit. 3,002,127, 9–26–61, Cl. 315—77.
Gronvold, George B. Automobile parking and storage apparatus. 3,014,602, 12–26–61, Cl. 214—16.1.
Groocock, Edith. Electric cord support for an ironing board. 2,979,296, 4–11–61, Cl. 248—51.
Groombridge, Denis W., S. G. Hawtin, and J. Downing, to British Celanese Ltd. Manufacture of voluminous yarns. 2,968,834, 1–24–61, Cl. 18—8.
Groombridge, Denis W., R. H. J. Riley, and J. H. Pearson, to British Celanese Ltd. Manufacture of cellulose triacetate textile products. 2,993,040, 7–18–61, Cl. 260—230.
Groombridge, Denis W., R. H. J. Riley, and J. H. Pearson, to British Celanese Ltd. Manufacture of artificial filamentary material. 3,003,846, 10–10–61, Cl. 18—54.
Grooms, Elic L., Jr., to Superior Standards Mfg. Co. of Texas. Combined room heater and water heater. 2,998,003, 8–29–61, Cl. 126—101.
Groot, John K., to Wilson Athletic Goods Mfg. Co., Inc. Adjustable leg guard. 2,982,968, 5–9–61, Cl. 2—22.
Grosholz, James R., to Air-Shields, Inc. Therapeutic fog generator. 2,997,242, 8–22–61, Cl. 239—278.
Grosjean, William C.: *See*—
Edgemond, John W., Jr., and Grosjean. 2,995,160.
Gross, Albert: *See*—
Käbisch, Gerhard, Gross, and Brünner. 2,990,238.
Kabisch, Gerhard, Richter, and Gross. 2,975,033.
Richter, Ekkehard, Gross, and Käbisch. 2,990,251.
Gross, Albert, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the surface treatment of finely-divided oxides or oxide mixtures. 2,973,282, 2–28–61, Cl. 106—308.
Gross, Arthur G. Time recorder. 2,968,521, 1–17–61, Cl. 346—85.
395, 2–7–61, Cl. 40—79.
Gross, Bernard S., to United States of America, Army. Intermittent lubricator. 2,995,213, 8–8–61, Cl. 184—79.
Gross, Carl G., to Airequipt Mfg. Co., Inc. Viewer. 2,970,-
Gross, Daniel: *See*—
Schwartz, Samuel M., and Gross. 2,980,933.
Gross, Ervin E., Jr.: *See*—
Peterson, Arnold P. G., and Gross. 3,012,197.
Gross, Frank D., to The Pannier Corp. Production machine control circuits. 2,981,176, 4–25–61, Cl. 101—18.
Gross, Frank D., to The Pannier Corp. Fluid actuated servo index. 2,999,001, 9–5–61, Cl. 346—33.
Gross, Frank R. Heat-transfer apparatus. 2,985,435, 5–23–61, Cl. 257—246.
Gross, Fritz A., to Raytheon Co. Radar system for producing a remote plan position indication. 2,982,954, 5–2–61, Cl. 343—6.
Gross, George P.: *See*—
Feldman, Nicholas, Gross, and Monnikendam. 2,968,940.
Gross, Gustav A., to Ciba Ltd. Device for continuous feeding of non-free flowing powdery materials. 2,984,267, 5–16–61, Cl. 141—71.
Gross, Helmut: *See*—
Reeber, Rudolf, and Gross. 3,009,432.
Gross, Henry and S. Printing mechanisms. 2,976,800, 3–28–61, Cl. 101—93.
Gross, Howard H.: *See*—
Kiersted, Wynkoop, Jr., and Gross. 2,979,453.
Gross, Jacob M. Manual film reel winder. 2,988,293, 6–13–61, Cl. 242—55.11.
Gross, Jerome, to Sperry Rand Corp., Ford Instrument Co. Division. Position indicator. 3,012,716, 12–12–61, Cl. 235—61.5.
Gross, John H., and L. E. Bostwick, to International Minerals & Chemical Corp. Fertilizer granulation process. 3,002,831, 10–3–61, Cl. 71—64.
Gross, John H., and J. J. Sholine, to International Minerals & Chemical Corp. Electrostatic separation process. 3,008,573, 11–14–61, Cl. 209—9.
Gross, Joseph P., and E. G. Perkie. Archery finger tabs. 2,999,243, 9–12–61, Cl. 2—21.
Gross, Jules. Tire patch applying machine. 3,003,377, 10–10–61, Cl. 81—15.2.
Gross, Leon S.: *See*—
Edwards, Roy Q. 2,976,047.
Gross, Martin, and G. J. Kooles. Tray doily. 3,012,691, 12–12–61, Cl. 220—65.
Gross, Maynard C.: *See*—
Forester, Harold E., and Gross. 3,007,390.
Gross, Otto, and H. Berger, to Bergwerksgesellschaft Hibernia Aktiengesellschaft. Catalyst for production of hydrocyanic acid. 2,975,144, 3–14–61, Cl. 252—477.
Gross, Paul: *See*—
Pitzer, Kenneth H. 3,009,747.
Gross, Reinhold J., to M. Steinthal & Co., Inc. Reefing ring for parachutes. 2,983,007, 5–9–61, Cl. 24—73.
Gross, Reinhold J., to M. Steinthal & Co., Inc. Stabilizing drogue for aircraft refueling and tow lines and method for controlling deflection and drag. 3,011,742, 12–5–61, Cl. 244—135.
Gross, Robert E., to The Pannier Corp. Die holder. 2,992,-607, 7–18–61, Cl. 101—28.
Gross, Samuel: *See*—
Gross, Henry and S. 2,976,800.
Gross, Thomas A. O., to Raytheon Co. Pulse echo systems. 2,981,942, 4–25–61, Cl. 343—7.
Gross, William A., to International Business Machines Corp. Valve for magnetic fluids. 3,010,471, 11–28–61, Cl. 137—251.
Gross, William L., to Bond Street Jewel Case Corp. Jewel box. 3,000,685, 9–19–61, Cl. 312—290.
Grosse, Aristid V. Radiation furnace. 2,988,022, 6–13–61, Cl. 110—1.
Grosse, Aristid V. Centrifugal reactor. 2,997,006, 8–22–61, Cl. 110—1.

Grosse, Aristid V., and A. G. Streng, to Research Institute of Temple University. Storage of liquid ozone. 2,992,540, 7–18–61, Cl. 62—48.
Grosse, Frank, and C. H. Barnes, said Barnes assor. to said Grosse. Child's rocking device. 2,996,298, 8–15–61, Cl. 272—52.
Grosse, Kenneth E.: *See*—
Kelsey, Lawrence C., Grosse, and Szymczak. 3,008,052.
Grossen, Harry W., and R. H. Rayfield, to Borg-Warner Corp. Method of making an electrical precipitator collector section. 3,006,066, 10–31–61, Cl. 29—421.
Grosser, Frederick: *See*—
Hort, Eugene V., and Grosser. 3,005,830.
Grosser, Herman K. M., to North American Philips Co., Inc. Permanent memory storage comprising magnetically bistable cores arranged in rows of M-cores each. 2,968,029, 1–10–61, Cl. 340—174.
Grosser, Hermann K. M., and H. J. Spoon, to North American Philips Co., Inc. Automatic telegraph system. 3,007,998, 11–7–61, Cl. 178—2.
Grossfeld, Aaron M. Toilet accessory. 3,002,704, 10–3–61, Cl. 242—55.55.
Grosshans, Georges F.: *See*—
Oiller, Jacques G. H., Grosshans, and Masson. 3,000,157.
Grossi, Frank X.: *See*—
Bauwin, George R., and Grossi. 2,979,863.
Grosskinsky, Otto, A. Benning, and W. Glass, to Bergwerksverband G.m.b.H. Chloroalkylation of organic compounds. 3,006,953, 10–31–61, Cl. 260—521.
Grosskinsky, Otto, and W. Thurauf. Method of making cross-linked viscous resins. 3,014,010, 12–19–61, Cl. 260—75.
Grossman, Frank J.: *See*—
De Rosa, Paul, and Grossman. 2,992,435.
Grossman, Morris: *See*—
Tandler, William S., and Grossman. 2,985,038.
Tandler, William S., Walker, and Grossman. 3,001,669.
Grossmann, Hans, to Durand & Huguenin A.G. New metalliferous ortho: ortho'-dihydroxy-monoazo-dyestuffs. 2,969,351, 1–24–61, Cl. 260—149.
Grossmann, Paul, to Ciba Ltd. New dyestuffs of the anthraquinone series. 2,972,622, 2–21–61, Cl. 260—380.
Grossmann, Paul, to Ciba Ltd. Acylated α:α-dihydroxy-diamino-anthraquinones. 2,982,773, 5–2–61, Cl. 260—377.
Grossmann, Paul, and P. Rhyner, to Ciba Ltd. Water-soluble salts of anthraquinone dyestuffs. 3,004,974, 10–17–61, Cl. 260—272.
Grossu, Mircea, A., to Lombard Corp. Method of producing continuous metal strip and the like. 3,002,255, 10–3–61, Cl. 29—18.
Grosvenor, William M., Jr., to The American Sugar Refining Co. Purification of beet sugar solutions. 2,969,297, 1–24–61, Cl. 127—55.
Grosvenor, William M., Jr., to The American Sugar Refining Co. Sweetening composition and method of producing the same. 3,011,897, 12–5–61, Cl. 99—141.
Grosz, Emil, to Gromax, Inc. Sorting apparatus. 2,988,197, 6–13–61, Cl. 198—30.
Groszos, Stephen J.: *See*—
Thomas, Walter M., Groszos, and Day. 2,985,685.
Grote, Henry W., to Universal Oil Products Co. Reforming process. 3,001,928, 9–26–61, Cl. 208—65.
Grote, Irvine W., to The Chattanooga Medicine Co. Method of preparing zirconium-aluminum-chloro complexes. 3,009,769, 11–21–61, Cl. 23—85.
Grote, Irvine W., to The Chattanooga Medicine Co. Silicon and titanium halo-aluminum compositions and method of preparing the same. 3,009,770, 11–21–61, Cl. 23—85.
Grote, Irvine W., to The Chattanooga Medicine Co. Chlorodialuminum zirconates and method of making the same. 3,009,771, 11–21–61, Cl. 23—85.
Grote, Irvine W., to The Chattanooga Medicine Co. Zirconyl trichloro aluminate and method of making the same. 3,009,860, 11–21–61, Cl. 167—90.
Grote, Richard, E. Jauch, H. Topfer, and W. Volthenleitner, to Siemens & Halske Aktiengesellschaft. Telephone party line switching. 3,004,107, 10–10–61, Cl. 179—18.
Grotewold, Hans W., to FMC Corp. Article sizing apparatus. 3,003,632, 10–10–61, Cl. 209—84.
Groth, Fred A., to Union Carbide Corp. Packaging process. 2,989,827, 6–27–61, Cl. 53—22.
Groth, Otto I., S. H. Carlson, and K. A. I. Carlsson, ½ to E. Svensson. Covering structure for wagons, trucks and the like. 2,992,040, 7–11–61, Cl. 296—100.
Groth, Willard B., and H. N. Seckler, to Bell Telephone Laboratories, Inc. Selector for switching network. 2,992,410, 7–11–61, Cl. 340—166.
Grothe, Fred I., to Sterling Plastics Corp. Flexible cover and method of making the same. 2,983,298, 5–9–61, Cl. 150—52.
Grotjahn, Heinz: *See*—
Eiling, Hugo, Eissner, Grotjahn, and Heuer. 2,983,572.
Grotnes Machine Works, Inc.: *See*—
Van Leer, Oscar J. 2,974,841.
Grottrup, Helmut, to International Standard Electric Corp. Code contracting method. 2,997,541, 8–22–61, Cl. 178—26.
Gröttrup, Helmut, and W. Schiebeler, to International Standard Electric Corp. Circuit arrangement for checking the faultless transmission of teleprinting characters. 2,971,055, 2–7–61, Cl. 178—23.
Grotzschel, Rudolf, and H. Hofmann, to VEB Kamera-und Kinowerke Dresden. Film marking device. 2,971,444, 2–14–61, Cl. 95—1.1.
Grotzschel, Rudolf, H. Gopfert, W. Liebusch, and G. Stejskal, to VEB Kamera- und Kinowerke Dresden. Motion picture reflex camera. 2,983,185, 5–9–61, Cl. 88—16.
Grounds, Preston W., Jr.: *See*—
Blinka, Joseph, and Grounds. 2,982,735.
Grousset, Arlette M.: *See*—
Mihail, Arlette M., Tochon, Turinetti, and Dubois. 2,997,844.
Groux, Georges, to Techna Anstalt fur Verwertung Technischer Neuheiten. Tuned musical comb. 3,013,460, 12–19–61, Cl. 84—94.
Grove, Cornelius S., Jr., G. F. Grillot, and V. T. Stannett, to W. R. Grace & Co. Condensate of biurea with carboxylic acids. 2,974,124, 3–7–61, Cl. 260—77.5.
Grove, Donovan S.: *See*—
Wonneman, Roman F., and Grove. 3,002,510.
Grove, George L., to The Cincinnati Milling Machine Co. Diamond nib holder. 3,003,492, 10–10–61, Cl. 125—11.
Grove, James E., and J. E. Chamberlain, to The Hamilton Tool Co. Mobile, separable work holder. 2,990,171, 6–27–61, Cl. 269—107.
Grove, John F.: *See*—
Birch, Arthur J., Nixon, and Grove. 2,977,285.
Grove, John H., to Tidewater Oil Co. Desulfurization of fluid coke. 2,983,673, 5–9–61, Cl. 208—152.
Grove, John L. Air-operated hook. 2,986,421, 5–30–61, Cl. 294—82.
Grove, Marvin H. Valve construction. 3,002,525, 10–3–61, Cl. 137—242.
Grove, Marvin H., to Grove Valve and Regulator Co. Valve construction. 2,982,305, 5–2–61, Cl. 137—614.11.
Grove Research and Development Co., The: *See*—
Toennies, Owe M. 2,968,138.
Toennies, Owe M. 2,985,076.
Toennies, Owe M. 3,008,594.
Grove, Theron A. Compressor efficiency tester. 3,002,380, 10–3–61, Cl. 73—168.
Grove Valve and Regulator Co.: *See*—
Bryant, Austin U. 2,982,514.
Bryant, Austin U. 2,984,252.
Bryant, Austin U. 3,000,083.
Bryant, Austin U. 3,000,609.
Bryant, Austin U. 3,000,610.
Grove, Marvin H. 2,982,305.
Grove, William A., and R. B. Reno. Holder for slide rule. 3,008,677, 11–14–61, Cl. 248—122.
Grover, Anthony P., to The Eagle-Picher Co. Apparatus for molding articles from slugs of heat-curable material. 3,007,197, 11–7–61, Cl. 18—5.
Grover, Charles F., and J. W. Stubert, to R. D. Werner Co., Inc. Extruded connecting T's for scaffolding. 2,990,203, 6–27–61, Cl. 287—54.
Grover, Charles F., and J. A. B. Starr, to R. D. Werner Co., Inc. Clamping device for scaffolding. 2,997,767, 8–29–61, Cl. 24—235.
Grover, Ronald P., to United States of America, Army. Stopping and starting system. 2,989,900, 6–27–61, Cl. 89—12.
Grover, Victor T., to American Can Co. Apparatus for producing reclosure container covers. 2,973,735, 3–7–61, Cl. 113—48.
Groves, James D., to British Titan Products Co. Ltd. Chlorination processes. 2,999,733, 9–12–61, Cl. 23—87.
Groves, James H.: *See*—
Schniepp, Lester E., Mietz, and Groves. 2,986,539.
Groves, James H., to American Can Co. Method of joining surfaces. 2,970,077, 1–31–61, Cl. 154—129.
Groves, William A., to Sylvania Electric Products Inc. Motion picture film feeding. 3,014,626, 12–26–61, Cl. 226—62.
Growich, John A., Jr., and P. A. Miller, to American Cyanamid Co. New tetracyclines produced by streptomyces aureofaciens. 3,007,965, 11–7–61, Cl. 260—559.
Groz, Theodor, & Sohne: *See*—
Hofmann, Ulrich. 3,004,660.
Grube, Clarence G. Roto dunker and processing hot tank. 3,006,351, 10–31–61, Cl. 134—112.
Grube, Erwin: *See*—
Baumann, Albert, and Grube. 3,014,573.
Grube, Friedrich: *See*—
Grube, Wilhelm and F. 3,000,352.
Grube, Friedrich O.: *See*—
Grube, Wilhelm and F. O. 2,972,335.
Grube, Wilhelm. Suspension railway. 2,974,608, 3–14–61, Cl. 104—95.
Grube, Wilhelm and F. O., to Kaweco Badische Fuellfederfabrik Friedrich Grube. Reversible ink cartridge unit for ball point pens. 2,972,335, 2–21–61, Cl. 120—42.1.
Grube, Wilhelm and F., to Kaweco Badische Fuellfederfabrik Friedrich Grube. Writing instrument. 3,000,352, 9–19–61, Cl. 120—42.03.
Grube, Wolfgang O., to Mergenthaler Linotype Co. Phototypographical font plate and grid plate. 3,008,391, 11–14–61, Cl. 95—4.5.
Grube, Wolfgang O., and R. K. Walker, to Mergenthaler Linotype Co. Character font plate unit for phototypographical machines. 2,976,786, 3–28–61, Cl. 95—4.5.
Grubelic, Nicholas, to N. Grubelic. Devices for applying stamps from a strip to envelopes. 2,985,331, 5–23–61, Cl. 216—30.
Grubenmann, Werner: *See*—
Siegrist, Adolf E., Duennenberger, and Grubenmann. 2,986,528.

Grubenmann, Werner, and R. Schlaefli, to Ciba Ltd. Double trough kneading machine. 2,987,760, 6-13-61, Cl. 18—2.
Gruber, Bernard A., to Monsanto Chemical Co. Process of stabilizing boron phosphide and resultant article. 3,009,-230, 11-21-61, Cl. 25—157.
Gruber, Elbert E., and E. F. Kalafus, to The General Tire & Rubber Co. Composition comprising a refractory material and a polymethacrolein reaction product and method of producing thereof. 2,999,830, 9-12-61, Cl. 260—29.6.
Gruber, Helmut, and H. Scheidig, to W. C. Heraeus, G.m.b.H. Vacuum arc furnace with consumable electrode. 2,971,-996, 2-14-61, Cl. 13—31.
Gruber, Helmut, H. Scheidig, W. Pieper, G. Muller, and A. H. Bussard, to W. C. Heraeus, G.m.b.H. Vacuum smelting furnace and method of operation. 2,976,339, 3-21-61, Cl. 13—31.
Gruber, Helmut, and H. Scheidig, to W. C. Heraeus, G.m.b.H. Magnetic field coil for concentrating the arc in a vacuum arc furnace. 2,978,525, 4-4-61, Cl. 13—9.
Gruber, Helmut, and H. Scheidig, to W. C. Heraeus, G.m.b.H. Method and apparatus for operating a vacuum arc smelting furnace. 2,996,559, 8-15-61, Cl. 13—14.
Gruber, Henry. Necktie knot support. 2,972,749, 2-28-61, Cl. 2—153.
Gruber, Jerome M., to Waukesha Bearings Corp. Retaining means for components of self-leveling thrust bearings. 3,011,839, 12-5-61, Cl. 308—160.
Gruber, Warren M., and B. T. Svihel, to Tinius Olsen Testing Machine Co. Determination of dynamic unbalance. 2,980,-331, 4-18-61, Cl. 235—189.
Gruber, Wilhelm, to Otto Gruber Stahlgruber & Co. Repair patch or joining member for rubber and rubberized articles and a method of producing the same. 3,009,846, 11-21-61, Cl. 154—53.5.
Gruber, Wilhelm. Instrument and plug for repairing tubeless tires. 3,013,454, 12-19-61, Cl. 81—15.7.
Gruble, John R.: *See*—
Cook, Lawrence M., Granberry, Gruble, and Jacobs. 3,006,486.
Grudin, Daniel, to Curtiss-Wright Corp. Power actuated hinge device. 2,966,808, 1-3-61, Cl. 74—640.
Grudin, Daniel, to Curtiss-Wright Corp. Planetary speed reducer and power actuated hinge device. 3,008,355, 11-14-61, Cl. 74—801.
Gruen Applied Science Laboratories, Inc.: *See*—
Ferri, Antonio. 3,005,607.
Gruen Watch Mfg. Co. S.A.: *See*—
Guyot, Fred. 3,010,277.
Gruendel, George: *See*—
Gill, Joseph, and Gruendel. 2,971,183.
Gruender, Oscar C. Reduction jaw crushers. 2,998,936, 9-5-61, Cl. 240—140.
Gruendler Crusher and Pulverizer Co.: *See*—
Gruendler, William S. 2,969,820.
Shelton, Harry J., Jr. 2,975,985.
Gruendler, Erich, to General Motors Corp. Linkage seat adjuster with straight line movement. 3,006,594, 10-31-61, Cl. 248—424.
Gruendler, William S., to Gruendler Crusher and Pulverizer Co. Shredding hammers. 2,969,820, 1-31-61, Cl. 146—123.
Gruenhagen, Richard H., B. A. Ashby, E. C. Britton, and L. H. Horsley, to The Dow Chemical Co. Method for the control of fungal organisms. 2,971,884, 2-14-61, Cl. 167—33.
Gruget, André, to La Spirotechnique. Breathing apparatus for divers. 2,989,062, 6-20-61, Cl. 137—63.
Grulet, Louis, and R. P. V. Roe, to Compagnie Francaise des Matieres Colorantes. Apparatus for purification by sublimation. 2,993,764, 7-25-61, Cl. 23—264.
Grum, Hans-Hellmut, and J. Schmidt, to Henkel & Cie. G.m.b.H. Process for continuously admixing alkali cellulose with etherifying agents. 2,982,765, 5-2-61, Cl. 260—231.
Grumbach, Phillip R. Vaporizer. 2,981,526, 4-25-61, Cl. 261—121.
Grumbacher, Joseph, to M. Grumbacher, Inc. Combination artist's easel and canvas carrier. 2,969,607, 1-31-61, Cl. 45—129.
Crumbacher, M., Inc.: *See*—
Grumbacher, Joseph. 2,969,607.
Grumbine, Arthur W., to E. I. du Pont de Nemours and Co. Processes for making resists. 2,993,790, 7-25-61, Cl. 96—35.
Grumbine, Arthur W., to E. I. du Pont de Nemours and Co. Photographic stripping films. 2,993,792, 7-25-61, Cl. 96—83.
Grumman Aircraft Engineering Corp.: *See*—
Bertolini, William A., Caputo, and Smith. 3,004,682.
Grummitt, William E., and W. H. Hardwick, to United States of America, Atomic Energy Commission. Recovery of ruthenium values. 2,967,209, 1-3-61, Cl. 23—87.
Grunberg, Andrew. Apparatus for classifying particulate solid material. 2,969,877, 1-31-61, Cl. 209—144.
Grunberg, Jacques F., and W. Nelson, to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Separation of air. 2,982,108, 5-2-61, Cl. 62—28.
Grundelman, Herman H., to Mercury Handling Systems, Inc. Office conveyor. 2,975,885, 3-21-61, Cl. 198—160.
Grundig, Max: *See*—
Spiegel, Eitel-Fritz. 3,006,994.
Grundmann, Christoph J.: *See*—
Ratz, Rudi F. W., and Grundmann. 2,980,495.
Grundmann, Christoph J., and W. J. Schnabel, to Olin Mathieson Chemical Corp. Isocyanogen tetraazide and its preparation. 2,990,412, 6-27-61, Cl. 260—349.
Grundmann, Werner, D. Bachmann, R. Halder, and H. Gampp, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the polymerization of olefins. 2,984,657, 5-16-61, Cl. 260—94.9.
Grundon, John L. Turntable structure. 2,971,801, 2-14-61, Cl. 308—227.
Grundy, Raymond J.: *See*—
Miller, Marion R., and Grundy. 2,982,569.
Gruner, Frederick R., to Purolator Products, Inc. Air cleaning means. 2,973,830, 3-7-61, Cl. 183—45.
Gruner, Walter L. Plastic tag and applying tongs therefor. 3,009,852, 11-21-61, Cl. 156—579.
Grunert, Erhard, and J. Mercier, to Pechiney. Reduction of alumina. 2,974,032, 3-7-61, Cl. 75—10.
Grunert, Kurt A.: *See*—
Ellis, John D., and Grunert. 2,997,633.
Grunewald, Karl H.: *See*—
Gerstenberg, Helmut, Grunewald, Medem, and Lademann. 3,007,891.
Gruschke, Hans, Medem, Grunewald, and Gerstenberg. 3,007,892.
Grünfeld, Ármin. Combined waterproof bracelet and vanity case. 3,006,350, 10-31-61, Cl. 132—83.
Grunfelder, Jean, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Outfit for emplaning and servicing light helicopters. 2,989,273, 6-20-61, Cl. 244—118.
Grunin, Louis, and S. Richman. Process of preparing cast synthetic resin having integral sheen. 2,971,223, 2-14-61, Cl. 18—58.
Grunin, Louis, and S. Richman. Iridescent pigments, effects and products. 3,008,844, 11-14-61, Cl. 106—193.
Grunke, Erich, to G. M. Pfaff A.G. Control mechanism for influencing the needle of an ornamental stitch sewing machine. 2,987,020, 6-6-61, Cl. 112—219.
Grunke, Erich, to E. Forster. Bobbin retaining clip for shuttle. 3,010,485, 11-28-61, Cl. 139—207.
Grunke, Erich. Manually operable pattern selector device for an ornamental stitch sewing machine. 3,012,442, 12-12-61, Cl. 74—54.
Grunwald, Edward. Angular set-in insert binder bar for floor coverings. 3,003,185, 10-10-61, Cl. 16—16.
Grunwald, Edward. Set-in insert for door saddles. 3,003,-203, 10-10-61, Cl. 20—64.
Grunwald, Edward. Combination inserted brass and aluminum door saddles. 3,008,198, 11-14-61, Cl. 20—64.
Grunwald, Edward. Set-in insert binder for floor coverings. 3,010,141, 11-28-61, Cl. 16—16.
Grunwald, Georg F., to H. Borgwaldt. Tobacco product and method of making the same. 3,003,895, 10-10-61, Cl. 131—17.
Grunwald, Wolfgang, to Aktiebolaget Electrolux. Means for igniting a gaseous fuel burner. 3,003,549, 10-10-61, Cl. 158—143.
Grupe, William F., to Peerless Roll Leaf Co., Inc. Chart medium. 3,014,301, 12-26-61, Cl 41—21.
Grupen, James L. Pump stator. 3,003,427, 10-10-61, Cl. 103—136.
Gruschke, Hans, H. Medem, K. H. Grunewald, and H. Gerstenberg, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Pigmented polyethylene terephthalates and process for preparing them. 3,007,892, 11-7-61, Cl. 260—40.
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Gryglas, Stephen. Cutter head for plating racks. 2,980,986, 4-25-61, Cl. 29—105.
Grymer, Aksel F. Glazier's truck. 3,003,788, 10-10-61, Cl. 280—179.
Grypmpa, Theodore J. Storage battery carrier. 2,978,271, 4-4-61, Cl. 294—92.
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Guillaud, Charles L., and R. Vautier, to Centre National de la Recherche Scientifique. Ferromagnetic material for gyromagnetic effect. 2,980,618, 4–18–61, Cl. 252—62.5.
Guillaud, Charles L., G. R. Villers, and M. P. Paulus, to Centre National de la Recherche Scientifique. Preparation of ferrites of high initial permeability and products obtained. 2,995,518, 8–8–61, Cl. 252—62.5.
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Guinot, Henri M., ½ to Ateliers Pingris & Mollet-Fontaine Reunis (Societé Anonyme). Method of removing hydrogen sulphide from gases and recovering sulphur therefrom. 2,972,512, 2–21–61, Cl. 23—3.
Guinot, Henri M., ½ to Societe pour l'Equipement des Industries Chimiques-S.P.E.I.C.H.I.M.-Reunion des Anciens Etablissements Barbet, Egrot & Grange, Pingris & Mollet-Fontaine. Method of selectively separating hydrogen sulphide from gases containing hydrogen sulphide and carbon dioxide. 2,994,578, 8–1–61, Cl. 23—2.
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Franklin, Leslie U., and Gebhart. 2,998,385.
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Lerner, Bernard J. 3,003,867.
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Mott, William E. 2,994,774.
Mott, William E. 2,994,775.
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Gulledge, Hugh C., to E. I. du Pont de Nemours and Co. Process of making wool-like cellulosic textile materials. 2,980,490, 4–18–61, Cl. 8—117.
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Gundelfinger, William E.: *See*—
Smith, Barry L., and Gundelfinger. 3,002,652.
Gunderman, Glen L.: *See*—
Adams, Jack J., and Gunderman. 3,006,799.
Gunderson, Allen D., to George Gorton Machine Co. Profile milling machines. 3,000,270, 9–19–61, Cl. 90—13.1.
Gunderson, Allen D., and G. Kuehl, to George Gorton Machine Co. Reverse image attachment. 2,976,775, 3–28–61, Cl. 90—13.1.
Gunderson, Harvey, to Elgin Pharmaceutical Co. Mastitis composition. 3,013,941, 12–19–61, Cl. 167—53.
Gunderson, Leland B., C. W. Carlson, and H. Loevenstein, to Harvey Aluminum (Inc.). Continuous solids precipitator. 2,983,578, 5–9–61, Cl. 23—143.
Gunderson, Ralph R. Resilient supporting shank. 2,976,000, 3–21–61, Cl. 248—204.
Gunderson, Ralph R. Yielding support for vehicle hose lines. 2,978,217, 4–4–61, Cl. 248—204.
Gunderson, Ralph R. Foldable warning signal. 2,980,375, 4–18–61, Cl. 248—33.
Gunderson, Ralph R. Foldable highway flare. 2,995,325, 8–8–61, Cl. 248—33.
Gunderson, Reuben J.: *See*—
Draudt, Howard N., and Gunderson. 2,984,170.
Gundert, Eberhard, and G. Vibrans, to General Electric Co. Electron beam deflection system. 2,975,325, 3–14–61, Cl. 315—22.
Gundlach, Robert W., to Haloid Xerox Inc. Xerographic apparatus and method. 2,968,552, 1–17–61, Cl. 96—1.
Gundlach, Robert W., to Haloid Xerox Inc. Xerographic apparatus and method. 2,968,553, 1–17–61, Cl. 96—1.
Gundlach, Robert W., to Haloid Xerox Inc. Method and apparatus for fixing xerographic powder images. 2,995,464, 8–8–61, Cl. 117—17.5.
Gundlach, Robert W., to Xerox Corp. Induction powder transfer. 3,004,860, 10–17–61, Cl. 117—17.5.
Gundlach, Robert W., to Xerox Corp. Xerographic apparatus. 3,011,473, 12–5–61, Cl. 118—637.
Gungle, Warren C.: *See*—
Ray, John G., and Gungle. 3,012,168.
Waymouth, John F., Gungle, and Bernier. 3,013,175.
Gungle, Warren C., J. F. Waymouth, and F. Bitter, to Sylvania Electric Products Inc. High output fluorescent lamp. 3,013,169, 12–12–61, Cl. 313—42.
Gunion, Lyle B., to Green Colonial, Inc. Stock tank heater. 2,984,237, 5–16–61, Cl. 126—360.
Gunkel, William F., to The Bendix Corp. Solenoid actuating circuit. 2,970,246, 1–31–61, Cl. 317—123.
Gunning, Alfred W., to Clark Equipment Co. Cylinder construction. 2,982,590, 5–2–61, Cl. 309—2.
Gunning, Harry E., and D. F. Keller, to D. F. Keller. Method and apparatus for the reproduction of images. 3,000,735, 9–19–61, Cl. 96—1.
Gunning, William F.: *See*—
Ridenour, Louis N., and Gunning. 2,972,008.
Gunning, William F., to Beckman Instruments, Inc. Single transistor series gate with grounded control voltage. 2,986,654, 5–30–61, Cl. 307—88.5.
Gunnison, George S., to United States of America, Navy. Device for orienting apertured plates. 2,981,393, 4–25–61, Cl. 193—43.
Günschel, Karl, to VEB Ketten- und Nagelwerke. Shoe-end lasting machine with common drive for the feeding and closing motion of pivoted wipers. 2,979,743, 4–18–61, Cl. 12—12.3.
Gunset, Louis E. Rolling hoop guide. 2,966,761, 1–3–61, Cl. 46—220.
Gunson, R. W. (Seeds) Ltd.: *See*—
Fraenkel, Herbert. 3,002,617.
Nelson, William B. 2,975,898.
Gunst, Raymond: *See*—
Fasciati, Alfred, Gunst, Riat, and Seitz. 2,993,038.
Gunston, Robert C. Clothesline cleaner. 2,979,753, 4–18–61, Cl. 15—256.6.
Gunter, Collie W., to Sperry Rand Corp. High speed strip stamp machine. 2,984,378, 5–16–61, Cl. 216—55.
Gunter, Josef K. Cotton carding machine. 3,006,035, 10–31–61, Cl. 19—98.
Gunter, Lee, Jr.: *See*—
Bauer, Benjamin B., Seeler, and Gunter. 2,983,516.
Guntert, Walter, to N.V. Optische Industrie "De Oude Delft." Tomoscope. 2,998,518, 8–29–61, Cl. 250—65.
Gunthard, Hans H., and J. J. Primas, to Trüb, Taüber & Co., A.G. Magnetic field stabilizer. 2,979,641, 4–11–61, Cl. 317—123.
Günthard, Jacques: *See*—
Bitterli, Peter, and Günthard. 2,967,754.
Gunther, Ellen: *See*—
Kaiser, Emil, and Gunther. 3,014,968.
Gunther, Frederick F., to Wyott Mfg. Co., Inc. Valved urn shank. 3,002,533, 10–3–61, Cl. 137—625.47.
Gunther, Gunnar G. J., and G. B. Rosengren, to Lumalampan Aktiebolag. Method of producing oxide coatings on surfaces, especially a light-diffusing layer on glass vessels, e.g. on the inside of envelopes for electric lamps. 2,982,668, 5–2–61, Cl. 117—33.3.
Gunther, Hermann, and J. Kern. Apparatus for color-fast testing. 2,987,914, 6–13–61, Cl. 73—150.
Günther, Hermann, and R. Staeger, to Quarzlampen-Gesellschaft m.b.H. Operating room lamp. 3,010,013, 11–21–61, Cl. 240—1.4.
Gunther, Norbert, to C. Zeiss. Stereoscopic range finders. 2,991,683, 7–11–61, Cl. 88—2.7.
Günther, Norbert, to C. Zeiss. Stereoscopic range finder. 3,007,366, 11–7–61, Cl. 88—2.7.
Günther, Willi, to Zeiss Ikon A.G. Stuttgart. Camera shutter. 2,969,006, 1–24–61, Cl. 95—53.
Gunther-Mohr, Gerard R.: *See*—
Koenig, Seymour H., and Gunther-Mohr. 3,011,133.
Gunzner, George, to Vlier Engineering Corp. Blind clamping device. 3,012,772, 12–12–61, Cl. 269—198.
Guptill, Frank E., Jr.: *See*—
Carkeek, Charles R., and Guptill. 2,987,387.
Guptill, Frank E., Jr., to Texaco Inc. Controlling pumping of slurries. 2,986,099, 5–30–61, Cl. 103—153.
Guptill, Frank E., Jr., to Texaco Inc. Carbon recovery method. 2,992,906, 7–18–61, Cl. 48—196.
Guptill, Frank E., Jr., to Texaco Inc. Continuously measuring slurry density. 3,004,544, 10–17–61, Cl. 137—1.
Gupton, Edwin D.: *See*—
Davis, Doyle M., Gupton, Hart, and Hull. 2,968,731.
Gurd, George W., and C. H. Stein, deceased (by D. A. Stein, Legal representative), to Esso Research and Engineering Co. Odorless isoparaffinic solvent manufacture. 3,003,009, 10–3–61, Cl. 260—683.9.
Gurgiolo, Arthur E., to The Dow Chemical Co. Copolymers of propylene oxide and alkylene sulfides. 3,000,865, 9–19–61, Cl. 260—79.
Gurin, Emanuel. Printing machine and printing blanket therefor. 3,012,498, 12–12–61, Cl. 101—415.1.
Gurinsky, David H., to United States of America, Atomic Energy Commission. Method for treating graphite product. 2,995,471, 8–8–61, Cl. 117—106.
Gurley, Jesse F., Jr., to Mobay Chemical Co. Mixing apparatus. 2,969,960, 1–31–61, Cl. 259—7.
Gurley, Jesse F., Jr., to Mogay Chemical Co. Mixing apparatus. 2,970,817, 2–7–61, Cl. 259—7.
Gurley, Rupert S. Sectional ladder. 3,006,432, 10–31–61, Cl. 182—23.
Gurries Mfg. Co.: *See*—
Curlett, John. 2,971,499.
Gurries, Raymond A., and Curlett. 3,000,122.
Gurries, Raymond A., and J. Curlett, to Gurries Mfg. Co. Road builder. 3,000,122, 9–19–61, Cl. 37—180.
Gurtler, Earle R.: *See*—
Arnold, Henry K., and Gurtler. 2,999,084.
Cahn, Robert P., and Gurtler. 2,972,646.
Gushue, Edward J., to Farrington Mfg. Co. Heated platen transfer apparatus. 2,997,016, 8–22–61, Cl. 118—1.
Gusmer, A., Inc.: *See*—
Salensky, George A. 2,974,121.
Guss, Reuben. Variable dynamic infinite damping loudspeaker enclosure device. 2,993,091, 7–18–61, Cl. 179—1.
Gussack, Nathan A., to Grant Pulley & Hardware Corp. Adjustable support for feeding equipment and the like. 3,006,481, 10–31–61, Cl. 211—117.
Gussoni, Angelo, to S. Dubiner. Method for producing hollow blown articles from thermoplastic materials. 3,011,216, 12–5–61, Cl. 18—55.
Gustad, Louis, Jr., H. A. Hughes, and W. A. Gillon, Sr., to Ferro Corp. Hole punching machine. 3,014,260, 12–26–61, Cl. 25—105.
Gustafson, August W. Apparatus for treating soil during planting. 2,968,266, 1–17–61, Cl. 111—80.
Gustafson, David M., to Angeles Metal Trim Co. Trim member. 2,969,616, 1–31–61, Cl. 50—165.
Gustafson, George W.: *See*—
Richardson, Olan, and Gustafson. 3,012,123.
Gustafson, Herschel R.: *See*—
Petersen, Gerald A. M., Goode, and Gustafson. 2,999,655.
Gustafson, Lewis H., and A. C. Rist, to Pro-phy-lac-tic Brush Co. and J. D. Dunning Corp. Plastic case construction. 3,005,572, 10–24–61, Cl. 220—72.
Gustafson, Robert D. High performance hydraulic servo valve. 2,985,141, 5–23–61, Cl. 121—38.
Gustafsson, Carl J., to Yard-Man, Inc. Starter mechanism. 2,975,777, 3–21–61, Cl. 123—185.
Gustafsson, Lars E.: *See*—
Engborg, Nils H., and Gustafsson. 2,989,919.
Gustafsson, Rune, to Aktiebolaget Svenska Flaktfabriken. Device for regulating the distribution and direction of a gaseous medium. 3,004,348, 10–17–61, Cl. 34—114.
Gustairs, John A.: *See*—
Dupler, William W., and Gustairs. 2,991,940.
Gustairs, John A., to General Motors Corp. Reciprocating motion device. 3,014,459, 12–26–61, Cl. 121—48.
Gustavson, Sterling T., to International Cigar Machinery Co. Skip feed device for cigar machine. 2,971,516, 2–14–61, Cl. 131—21.
Gustavsson, Carl G., to A. B. Mikro-Verktyg. Hose clamp. 2,990,599, 7–4–61, Cl. 24—274.
Gustin-Bacon Mfg. Co.: *See*—
McPherson, Alexander L., Stevens, Bailey, and Klusch. 3,010,668.
Stephens, Frederick N., Perkins, and Love. 2,979,765.
Stephens, Joseph F. 2,994,112.
Warkoczewski, Joseph T. 2,991,519.

Gustin, George M., deceased, by S. M. Gustin, representative. Rip saw enclosure. 2,995,161, 8–8–61, Cl. 143—49.

Gustin, Robert: *See*—
Munson, Donald J., and Gustin. 2,999,325.

Gustin, Sylvia M.: *See*—
Gustin, George M. 2,995,161.

Gustke, Klaus H., to Probst & Class. Colloid mill with precutting attachment. 2,977,056, 3–28–61, Cl. 241—101.

Guszmann, Max. Boiler. 3,012,548, 12–12–61, Cl. 122—235.

Gut, Stanley J., to General Precision, Inc. Ball bearing sealed rotation transmission device. 2,978,914, 4–11–61, Cl. 74—18.1.

Gute, Loren R.: *See*—
Contant, Peter R., Gute, Reese, Schmitz, Fox, and De Rees. 2,985,024.

Guterman, Donald C.: *See*—
Lorant, George J., Rollins, and Guterman. 3,009,815.

Guterman, Sadia S., to Raytheon Co. Magnetic control circuits for shift registers. 2,970,294, 1–31–61, Cl. 340—174.

Guterman, Sadia S., to Raytheon Co. Intelligence control systems. 2,980,803, 4–18–61, Cl. 307—88.

Guterman, Sadia S., to Raytheon Co. Digital computing. 3,002,183, 9–26–61, Cl. 340—174.

Guth, Chester K., to Oravisual Co., Inc. Paper pad clamping fixture. 2,985,174, 5–23–61, Cl. 129—35.

Guth, David C.: *See*—
Schuller, Walter H., and Guth. 2,974,119.

Guth, Durward O. Method of increasing yield of mint oil. 3,008,818, 11–14–61, Cl. 71—2.6.

Guth, Eugene D., to Phillips Petroleum Co. Composite rubber base propellants and process of preparation employing nonsulfur metallic curing agents. 2,985,526, 5–23–61, Cl. 52—.5.

Guth, Fred H., and J. D. Blake, to Thompson Ramo Wooldridge Inc. Power generator control system. 2,974,235, 3–7–61, Cl. 290—40.

Guth, Fred H., and J. V. Majercak, to Thompson Ramo Wooldridge Inc. Voltage regulator. 2,974,271, 3–7–61, Cl. 323—66.

Guthans, Harold A. Stern bearing packing glands. 3,011,835, 12–5–61, Cl. 308—36.1.

Guthrie, Donald A., and C. L. Knapp, Jr., to Esso Research and Engineering Co. Copolymers of phosphorus sulfides and unsaturated organic esters. 2,978,412, 4–4–61, Cl. 252—46.6.

Guthrie, Donald A., and C. L. Knapp, Jr., to Esso Research and Engineering Co. Radiochemical production of phosphosulfurized hydrocarbons. 3,003,964, 10–10–61, Cl. 252—46.6.

Guthrie, Francis B., Jr. Great circle guide. 2,971,428, 2–14–61, Cl. 88—2.4.

Guthrie, John D.: *See*—
Bullock, Austin L., and Guthrie. 2,971,815.
Bullock, Austin L., and Guthrie. 2,992,215.
Drake, George L., Jr., Reeves, and Guthrie. 2,979,374.

Guthrie, John M., G. D. Harkey, Jr., and D. I. Smith, to General Dynamics Corp. Missile hand launching system. 2,972,933, 2–28–61, Cl. 89—1.7.

Guthrie, John M., C. J. Bonk, C. E. Allardt, G. W. Ashley, Jr., G. E. Burkhelmer, and D. I. Smith, to General Dynamics Corp. Missile control system. 3,010,677, 11–28–61, Cl. 244—14.

Gutjahr, Heinrich: *See*—
Kleiner, Helmut, and Gutjahr. 2,989,359.

Gutkowski, Janusz, to New York Business Development Corp. Oil filter unit. 2,991,885, 7–11–61, Cl. 210—133.

Gutkowski, Janusz, and J. Parkinson, to Parmatic Engineering, Ltd. High pressure oil filter unit having combined automatic shut-off and relief valve structure. 2,978,107, 4–4–61, Cl. 210—235.

Gutleber, Frank S., to International Telephone and Telegraph Corp. Diversity receiving system having separate phase angle indicators. 3,013,150, 12–12–61, Cl. 250—20.

Gutman, Louis, to Independent Lock Co. Anti-pick lock. 3,008,318, 11–14–61, Cl. 70—38.

Gutmann, Ferdinand, & Co.: *See*—
Gould, Jack U. 2,980,274.
Gould, Jack U. 3,013,687.

Gutmann, Hugo, O. Straub, and P. Zeller, to Hoffmann-La Roche Inc. Hydrazine derivatives. 2,970,159, 1–31–61, Cl. 260—404.5.

Gutmann, William R.: *See*—
Fleming, Harold W., and Gutmann. 2,990,432.
Fleming, Harold W., and Gutmann. 3,003,008.

Gutperle, Georg: *See*—
von Gronow, Harald E., Gutperle, and Hager. 2,977,721.

Gutridge, Jack E., to Pullman Inc. Laterally movable door mechanism. 2,992,462, 7–18–61, Cl. 20—23.

Gutsche, Heinrich: *See*—
Schweickert, Hans, Reuschel, and Gutsche. 3,011,877.

Gutstein, Rudy. Fish feeding device for aquariums. 2,968,280, 1–17–61, Cl. 119—5.

Gutt, Tadius J., to George Rackle & Sons Co. Socket for post stressed concrete wires. 2,988,794, 6–20–61, Cl. 24—123.

Guttel, Gerhard, H. Schulz, and H. Ditzel, to Adrema-Werke G.m.b.H. Keyboard embossing machine. 3,001,624, 9–26–61, Cl. 197—6.6.

Gutterman, Robert P., to Lipsner Smith Corp. Ultrasonic process and apparatus. 2,967,119, 1–3–61, Cl. 134—1.

Gutting, Robert D., 15% to C. W. Bowen. Leg bracket for sawhorses, tables, and the like. 2,981,366, 4–25–61, Cl. 182—224.

Guttler, Josef, to Firma Stoffel & Sohn. Method of producing identification means consisting at least in part of plastic etc. 2,987,842, 6–13–61, Cl. 40—20.

Gutton, Henri, to Compagnie Generale de Telegraphie Sans Fil. Electromagnetic detecting and tracking devices. 2,977,589, 3–28–61, Cl. 343—17.1.

Gutz, Kenneth H.: *See*—
Christensen, Donald D., Goodell, Gutz, and Wendt. 2,985,867.

Gutzeit, Gregoire, to General American Transportation Corp. Processes of chemical nickel plating and baths therefor. 2,999,770, 9–12–61, Cl. 117—130.

Gutzmer, Ernest R., to Intercompany Corp. Punching and notching device and lever operated drive means therefor. 2,998,740, 9–5–61, Cl. 83—620.

Gutzmer, Howard A.: *See*—
Haflinger, Dan J., Corpew, and Gutzmer. 2,986,668.

Gutzwiller, Ernst, deceased (by J. Gutzwiller-Markees, administratrix), and W. Schoenauer, to Saul & Co., as nominee of Fidelity Union Trust Co. Pigment dyestuffs of the anthraquinone series. 3,005,833, 10–24–61, Cl. 260—377.

Gutzwiller-Markees, Jenny: *See*—
Gutzwiller, Ernst, and Schoenauer. 3,005,833.

Guyennon, André. Shaft packing device. 2,979,349, 4–11–61, Cl. 286—11.15.

Guyer, August and P., and P. Walther, to Lonza Electric and Chemical Works Ltd. Activation of dehydration catalysts. 2,993,010, 7–18–61, Cl. 252—432.

Guyer, Henry, to Nova-Werke Junker & Ferber. Piston ring. 3,006,704, 10–31–61, Cl. 309—29.

Guyer, Morris W., to Calkins Mfg. Co. Rotary hoe tandem connection. 2,996,130, 8–15–61, Cl. 172—596.

Guyer, Pio: *See*—
Guyer, August and P., and Walther. 2,993,010.

Guyer, Reynolds. Hinged top carton. 2,992,766, 7–18–61, Cl. 229—44.

Guyer, Reynolds, and C. E. Anderson. Hinged top carton. 2,988,262, 6–13–61, Cl. 229—44.

Guyer, Walter R. F.: *See*—
Hakala, Thomas H., Hubbard, Guyer, and Banes. 2,994,720.

Guyer, Walter R. F., to Esso Research and Engineering Co. Polymerization catalyst. 3,008,943, 11–14–61, Cl. 260—93.7.

Guyot, Fred, to Gruen Watch Mfg. Co. S.A. Self-winding watches. 3,010,277, 11–28–61, Cl. 58—83.

Guyton, James H.: *See*—
Ford, Bill J., Guyton, Jenkins, and Manahan. 2,972,119.

Guyton, James H., R. L. Jenkins, and H. R. Buell, to General Motors Corp. Transistorized low voltage receiver. 2,970,212, 1–31–61, Cl. 250—20.

Guyton, James H., C. J. Votava, R. L. Jenkins, and D. W. Dodge, to General Motors Corp. Transistor favorite station signal seeking tuned radio. 2,981,836, 4–25–61, Cl. 250—20.

Guyton, James H., and L. E. Scott, to General Motors Corp. Automatic gain control. 2,983,815, 5–9–61, Cl. 250—20.

Guzskie, Stanley, to Admiral Corp. Motor control circuit having a hold circuit with program means to disable the hold circuit. 2,989,679, 6–20–61, Cl. 318—467.

Gwathmey, Edward S.: *See*—
Roderick, Robert L., and Gwathmey. 2,973,643.

Gwathmey, Edward S., to Specialties, Inc. Fluid flow meter. 2,979,948, 4–18–61, Cl. 73—223.

Gwilliam, Glenn B., and H. C. Howell, Jr. Apparatus for manufacturing meat products. 2,971,216, 2–14–61, Cl. 17—25.

Gwin, Dean R., C. W. McFarland, and J. M. Gwin. Vacuum pick up device. 3,013,833, 12–19–61, Cl. 294—65.

Gwin, James N.: *See*—
Gwin, Dean R., McFarland, and Gwin. 3,013,833.

Gwinn, Joseph M., Jr., to Gar Wood Industries, Inc. C-frame construction for bulldozer. 3,006,090, 10–31–61, Cl. 37—144.

Gwinn, Joseph M., Jr., A. J. O'Brien, and G. W. Coleman, to Gar Wood Industries, Inc. Refuse loader control mechanism. 2,975,913, 3–21–61, Cl. 214—83.3.

Gwinn, M Benjamin, and E. P. Buchmiller, to National Paper Band Co. Shirt bagging machine. 2,994,997, 8–8–61, Cl. 53—182.

Gwyn, James D.: *See*—
Elton, William L., Motter, Gwyn, and Goeckel. 3,001,249.

Gwynn, Lawrence M. Vehicle brake. 2,988,174, 6–13–61, Cl. 188—18.

Gyana, Eugene E., to United States Rubber Co. Mixing apparatus and method. 2,976,565, 3–28–61, Cl. 18—2.

Gygax, Ernest F., ½ to E. T. Wright and ½ to R. Ellers. Refrigeration equipment. 2,971,347, 2–14–61, Cl. 62—183.

Gyorgak, Charles A.: *See*—
Francisco, Allen C., and Gyorgak. 3,008,229.

Gyrodyne Co. of America, Inc.: *See*—
Strong, Edward W., Pappas, Losey, and Clewlow. 2,980,186.

Gyromatic Getriebe-Gesellschaft m.b.H.: *See*—
Zapletal, Fritz K. 2,982,154.

Gysbers, Paul J., to Deere & Co. Tube retainer. 3,014,442, 12–26–61, Cl. 111—87.

Gysling, Hermann: *See*—
Heller, Hansjorg, Keller, Gysling, and Mindermann. 3,004,896.

Gyurko, Balint, Jr., to Pratt & Whitney Co. Inc. Adjustable pneumatic gage. 2,972,883, 2–28–61, Cl. 73—37.8.
H & C Engineering Corp.: *See*—
Hottendorf, William J. 2,986,078.
H. G. Enterprises: *See*—
Nelkin, Nedwyn R. 3,013 561.
H. & L. Tooth Co.: *See*—
Launder, Ernie L. 2,991,569.
Launder, Ernie L. 2,994,140.
Launder, Ernie L. 2,996,816.
HRB-Singer, Inc.: *See*—
Knausenberger, Georg E. 2,988,638.
McLucas, John L. 2,991,465.
Quynn, Allen G., Jr. 2,999,207.
Russell, William E. 3,013,182.
Thompson, Fred C. 2,995,713.
Vetter, Arthur R. 2,990,472.
H_2 Oil Engineering Corp.: *See*—
May, Russell D. 2,996,188.
Haab, Gordon W. Stop assembly. 2,979,182, 4–11–61, Cl. 198—34.
Haack, Erich: *See*—
Achells, Johann D., Haack, Gall, Heerdt, and Voemel. 2,988,547.
Braun, Franz, and Haack. 3,005,854.
Haack, Erich, and A. Hagedorn, to C. F. Boehringer & Soehne, G.m.b.H. Process of manufacturing N-sulphanilyl ureas. 2,977,375, 3–28–61, Cl. 260—397.7.
Haag-Streit A.G.: *See*—
Papritz, Franz. 2,968,941.
Papritz, Hans. 2,999,422.
Haag, Theodore T., to Borroughs Mfg. Co. Bench furniture. 2,972,506, 2–21–61, Cl. 311—105.
Haag, William H., to Hupp Corp. Methods for fabricating gas manifolds. 3,003,227, 10–10–61, Cl. 29—156.4.
Haage, Konrad, to Firma Delmag, Machinenfabrik Reinhold Dornfeld. Method of driving piles. 3,001,515, 9–26–61, Cl. 123—7.
Haaijer, Geerhard: *See*—
Gilligan, John A., and Haaijer. 2,983,344.
Haaijman, Pieter W.: *See*—
Koets, Augustinus A. A. M., van Amstel, and Haaijman. 2,998,554.
Haaijman, Pieter W., G. H. Janssen, and P. C. van der Linden, to North American Philips Co., Inc. Method of applying light-diffusing layers to glass surfaces and glass objects. 3,006,783, 10–31–61, Cl. 117—54.
Haake, Frederich L.: *See*—
Fiedler, Willy A., Kane, and Haake. 2,986,999.
Tabor, John Q., Jr., and Haake. 2,967,484.
Haake, Peter. Apparatus for conditioning the temperature of a bath. 2,993,108, 7–18–61, Cl. 219—39.
Haaland, Roald, to A. Bruk. Armchair. 2,973,026, 2–28–61, Cl. 155—77.
Haalck, Fritz, to Askania-Werke A.G. Gravimeters. 2,978,906, 4–11–61, Cl. 73—382.
Haanstra, John W., and J. M. Harker, to International Business Machines Corp. Method of calibrating a servomechanism. 2,987,803, 6–13–61, Cl. 29—155.5.
Haar, Felix, to F. Haar, and A. L. and L. H. S. Cohen. Hydraulic transducer. 3,006,283, 10–31–61, Cl. 103—161.
Haar, Marvin I., D. D. H. Lueders, R. E. Prowse, D. Savitsky, and R. L. Van Dyck, to United States of America, Navy. Slotted nose hydroski. 2,991,745, 7–11–61, Cl. 114—66.5.
Haarmann, Arnold. Prop arrangement for mines. 2,987,290, 6–6–61, Cl. 248—357.
Haartz-Mason, Inc.: *See*—
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Haas, Harold W., to Phillips Petroleum Co. Carbon black process and apparatus. 2,973,249, 2–28–61, Cl. 23—209.6.
Haas, Henry G. Pipe cleaning device. 2,991,493, 7–11–61, Cl. 15—104.16.
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Buchholz, Arnold R., and Haban. 2,988,092.
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Hagen, Reinold and N. Manufacture of hollow plastic articles. 2,975,473, 3–21–61, Cl. 18—5.

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Hagen, William F., to The Union Stock Yard and Transit Co. of Chicago. Method for tenderizing meats. 2,980,537, 4–18–61, Cl. 99—1.7.

Hagenbook, Loy D., to Goodman Mfg. Co. Rope side frame conveyor clamp. 2,971,234, 2–14–61, Cl. 24—126.

Hagensick, Charles G., and L. A. Kilgore, to Westinghouse Electric Corp. Control circuitry. 2,989,682, 6–20–61, Cl. 321—14.

Hager, Gerland L.: *See*—
Cybriwsky, Alexander, Hager, and Schardein. 2,990,304.

Hager, Karl F., W. R. Lucas, and D. B. Franklin, to United States of America, Army. Inhibited fuming nitric acids. 2,981,617, 4–25–61, Cl. 52—.5.

Hager, Onslow B., and R. A. Martin, to Alco Oil & Chemical Corp. Copolymer of acrylic acid ester, method of making, and use of said polymer to coat textile fabrics. 3,003,987, 10–10–61, Cl. 260—29.6.

Hager, Otto: *See*—
Von Gronow, Harald E., Gutperle, and Hager. 2,977,721.

Hager, Robert E.: *See*—
Feldkamp, John G., Burt, and Hager. 3,003,296.

Hagerman, Tor H., C.-O. O. Morfeldt, and N. E. Svensjö, to Aktiebolaget Separator. Mineral and rock sampling unit. 2,973,820, 3–7–61, Cl. 175—206.

Hagerty, Francis W. Method of forming joints. 2,975,092, 3–14–61, Cl. 154—116.

Haggadone, L. V., to Teletype Corporation. Method of and apparatus for controlling high speed tape reperforators. 3,003,032, 10–3–61, Cl. 178—092.

Haggard, Bert E. Arrow holding attachment. 2,999,620, 9–12–61, Cl. 224—1.

Hagge, Walter, M. Quaedvlieg, G. Boehmke, and H. Hempel, to Farbenfabriken Bayer Aktiengesellschaft. Emulsifying compositions. 2,993,830, 7–25–61, Cl. 167—42.

Haggerty, John L., to Thompson Ramo Wooldridge Inc. Sealed stator submerged electric fuel pump. 2,972,308, 2–21–61, Cl. 103—87.

Hagiwara, Hikoichi: *See*—
Nishikawa, Masamoto, and Hagiwara. 3,006,931.
Nishikawa, Masamoto, and Hagiwara. 3,014,931.

Haglund, Mats, to Trafikaktiebolaget Grangesberg-Oxelosund and Luossavaara-Kurunayaara AB. Geodetic instrument particularly mine surveying instrument. 2,998,653, 9–5–61, Cl. 33—69.

Hagmann, Waldemar: *See*—
Haas, Eugen, Zinser, Hagmann, and Laukhuf. 2,977,640.

Hagopian, Jacob J., to International Business Machines Corp. Apparatus for reading stored information from overlapping recorded pulses. 3,007,143, 10–31–61, Cl. 340—174.1.

Hagopian, Jacob J., to International Business Machines Corp. Data storage apparatus. 3,007,144, 10–31–61, Cl. 340—174.1.

Hagopian, Jacob J., and D. G. Trego, to Goodyear Aircraft Corp. Radar-command system of time coded pulses. 2,980,903, 4–18–61, Cl. 343—7.6.

"Hagou" Metaalwarenfabrieken N.V.: *See*—
Goudsmit, Hendrikus A. 3,010,054.

Hague, Alfred E.: *See*—
Flint, Erlon W., and Hague. 2,991,451.

Hague, Louise D.: *See*—
Jezl, James L., Khelghatlan, and Hague. 2,996,491.

Hague, Robert Z.: *See*—
Treff, Ernest H., and Hague. 2,989,867.

Hahn, Earl: *See*—
Ewing, Lloyd and R., and Hahn. 3,010,847.

Hahn, Edgar A., to Lyon Inc. Method of treating stainless steel. 2,973,307, 2–28–61, Cl. 204—34.

Hahn, Edgar A., to Lyon Inc. Cooling of chromium plating solution. 2,984,081, 5–16–61, Cl. 62—100.
Hahn, Erich and W., and R. Noack, to VEB Kamera- und Kinowerke Dresden. Photographic shutters. 2,999,437, 9–12–61, Cl. 95—10.
Hahn, Frank J.: *See*—
Culbertson, Harry M., and Hahn. 2,978,425.
Hahn, Frank J., to Monsanto Chemical Co. Novel fatty acid varnishes. 2,984,633, 5–16–61, Cl. 260—23.
Hahn, George, and S. I. Ali. Reduction of iron ores containing ferruginous clays. 2,991,172, 7–4–61, Cl. 75—26.
Hahn, Gilbert B., to The Murray Ohio Mfg. Co. Spring suspension for bicycle wheel. 2,969,992, 1–31–61, Cl. 280—277.
Hahn, Helmut: *See*—
Scherer, Otto, Hahn, and Schneider. 3,002,032.
Hahn, Johann: *See*—
Sauer, Edgar, Hahn, and Wutzler. 3,004,480.
Sauer, Edgar, Ruhle, Metzger, and Hahn. 2,990,758.
Hahn, Kent L., to General Motors Corp. Compressor bleed control. 2,978,166, 4–4–61, Cl. 230—115.
Hahn, Paul T., to AMP Inc. Terminal feeding mechanism. 2,971,194, 2–14–61, Cl. 1—177.
Hahn, Paul T., to John Oster Mfg. Co. Hand-held vacuum cleaner. 2,972,160, 2–21–61, Cl. 15—344.
Hahn, Paul T., to John Oster Mfg. Co. Nozzle and filtering device for vacuum cleaners. 2,974,346, 3–14–61, Cl. 15—344.
Hahn, Paul T., to AMP Inc. Crimping and injection molding. 3,009,197, 11–21–61, Cl. 18—5.
Hahn, Rea I., B. E. Frank, and H. D. Mowers, to General Motors Corp. Tube sizing machine. 2,998,125, 8–29–61, Cl. 205—7.
Hahn, Werner: *See*—
Hahn, Erich and W., and Noack. 2,999,437.
Tillig, Helmut, and Hahn. 2,995,076.
Hahn, Werner, to VEB Kamera-und Kinowerke Dresden. Arrangement for the setting of the aperture of a lens of a camera. 2,974,576, 3–14–61, Cl. 95—64.
Hahn, Werner, to VEB Kamera- und Kinowerke Dresden. Photographic lens shutter. 3,014,418, 12–26–61, Cl. 95—63.
Hahn, Werner, J. Weise, and E. Berger, to VEB Kamera-und Kinowerke Dresden. Exposure control apparatus. 3,005,390, 10–24–61, Cl. 95—10.
Hahn, William W., R. H. Brodt, and G. J. Kilmer, to Union Bag-Camp Paper Corp. Bag opening device. 2,998,911, 9–5–61, Cl. 229—66.
Hahnau, Robert F., and E. D. O'Toole, to Industrial Pipe Repair Corp. Method and apparatus for determining the position of sewer leaks. 2,971,259, 2–14–61, Cl. 33—1.
Hahne, Heribert: *See*—
Mittelberger, Karl-Heinz, Hambsch, and Hahne. 2,993,777.
Hahnel, Alwin, to United States of America, Army. Frequency divider. 2,967,277, 1–3–61, Cl. 331—37.
Hahnel, Alwin, to United States of America, Army. Frequency divider. 2,981,899, 4–25–61, Cl. 331—116.
Haig, James, Inc.: *See*—
Sunukjian, Haig. 3,012,377.
Haigh, Leslie B., and T. W. Tuttle, to International Telephone and Telegraph Corp. Telecommunication link. 3,013,111, 12–12–61, Cl. 178—2.
Haigler, Henry E.: *See*—
Jackson, Robert C., and Haigler. 2,986,781.
Hailes, Myles B., to Unilever Ltd. Containers. 2,979,220, 4–11–61, Cl. 215—100.
Hailman, Harold F.: *See*—
Wruble, Milton, and Hailman. 2,989,437.
Haimsohn, Jerome N.: *See*—
Bashour, Joseph T., Bikofsky, and Haimsohn. 2,974,009.
Hain, Paul, and D. J. Kuebel, to The Champion Paper and Fibre Co. Sheet abstracting device for layboys. 3,000,631, 9–19–61, Cl. 271—64.
Haine, Walter A., and H. G. Chinn, to Union Carbide Corp. Extruded bead sealing. 3,008,862, 11–14–61, Cl. 156—244.
Haines, Charles, Jr., and W. G. Owens, to Armstrong Cork Co. Thermally insulated tank structure. 3,010,599, 11–28–61, Cl. 220—9.
Haines, Donald L.: *See*—
Waite, James A., and Haines. 3,013,669.
Haines, Jesse H., and F. Tamaro, to Fairchild Camera and Instrument Corp. Television pickup system. 2,976,358, 3–21–61, Cl. 178—7.2.
Haines, Malcolmn P. Remotely positionable lamp. 2,991,351, 7–4–61, Cl. 240—61.13.
Haines, Marcus W., to McGaffey-Taylor Corp. Well treating tool. 3,012,611, 12–12–61, Cl. 166—147.
Haines, Robert M., to The Pure Oil Co. Apparatus for preparing and reacting dispersions. 2,994,594, 8–1–61, Cl. 23—285.
Haines, Robert M., and J. W. Walsh, to The Pure Oil Co. Preparation of manganese dioxide catalyst. 3,004,928, 10–17–61, Cl. 252—430.
Haines, Robert S.: *See*—
Horton, Paul V., and Haines. 2,989,415.
Hainsworth, John G., H. Hershenson, and W. O. Pool, to Don Baxter, Inc. Fat emulsion and process of producing same. 3,004,892, 10–17–61, Cl. 167—66.
Hainy, Rudolf, to VEB Kamera-und Kinowerke Dresden. Film spool coupling for photographic cameras. 2,980,358, 4–18–61, Cl. 242—71.3.
Hainzelin, Jean, J. Jouin, and C. Prevost, to Commissariat a l'Energie Atomique. Driving chucks, particularly for inspecting fuel elements of nuclear reactors. 3,012,791, 12–12–61, Cl. 279—71.
Haire, Edwin I., to Dow Corning Corp. Clay composition of improved handling properties. 2,983,620, 5–9–61, Cl. 106—71.
Haislip, Albert S., deceased; A. W. Embrey, administrator. Stepladder safety handle. 3,013,627, 12–19–61, Cl. 182—106.
Hait, James M., to FMC Corp. Whip type sprinkler. 3,009,647, 11–21–61, Cl. 239—201.
Hait, James M., to FMC Corp. Sprinkler head. 3,009,648, 11–21–61, Cl. 239—201.
Hajek, Ernest E., D. K. Montez, and I. L. Krettinger, to Henry J. Kaiser Co. Metallurgy. 3,013,788, 12–19–61, Cl. 266—34.
Hajny, Charles E., to Baso Inc. Control apparatus. 2,974,869, 3–14–61, Cl. 236—1.
Hajny, Charles E., to Baso Inc. Electric igniter. 3,004,589, 10–17–61, Cl. 158—115.
Hajos, Eugene, to Premier Laundry, Inc. Machine for rolling towels. 2,968,449, 1–17–61, Cl. 242—57.1.
Hakala, Thomas H., A. W. Hubbard, R. F. W. Guyer, and F. W. Banes, to Esso Research and Engineering Co. Solvent extraction of diisopropyl ether from propylene sulfuric acid extracts. 2,994,720, 8–1–61, Cl. 260—614.
Hakanson, Alfred: *See*—
Lewis, Eileen D., and Hakanson. 2,997,182.
Hakanson, Edgar M., to The Sheffield Corp. Machine tool. 2,971,297, 2–14–61, Cl. 51—108.
Hake, Albert C.: *See*—
Storma, Edward M., Field, Hill, and Hake. 2,967,631.
Hake, Bernhard, and J. Hegemann, to Durrwerke Aktiengesellschaft. Once-through vapor generating and superheating units. 2,989,036, 6–20–61, Cl. 122—235.
Hake, Wesley F. Ventilating and cooling system for automobile seats. 2,978,972, 4–11–61, Cl. 98—2.
Hakes, Leo B., to Union Gypsum Co. Dust collector system for gypsum kettle. 2,982,532, 5–2–61, Cl. 263—41.
Hakimoglu, Ayhan, to American Bosch Arma Corp. Pulse width modulator. 2,976,496, 3–21–61, Cl. 332—1.
Hakle Werke: *See*—
Klenk, Hans. 2,995,180.
Halada, John P., to American Brake Shoe Co. Apparatus for producing expanded metal. 3,011,244, 12–5–61, Cl. 29—6.2.
Halahan, John, T. F. Aronson, and F. A. Lyon, to Viewlex, Inc. Slide changing means for projectors. 2,984,151, 5–16–61, Cl. 88—28.
Halbreich, Oscar, to Kem Button Corp. Anvils for button sewing machines. 2,993,289, 8–1–61, Cl. 112—109.
Haldeman-Homme Inc.: *See*—
Nelson, Glenn L. 3,012,781.
Halden, Frank A., W. D. Smiley, and F. M. Hruz, to United States of America, Atomic Energy Commission. Process of coating graphite with niobiumtitanium carbide. 2,991,192, 7–4–61, Cl. 117—22.
Halden, Joseph G. B., to Ozalid Co. Ltd. Photo-copying and like reproduction machines. 3,009,697, 11–21–61, Cl. 271—64.
Halder, Rudolf: *See*—
Grundmann, Werner, Bachmann, Halder, and Gampp. 2,984,657.
Hale, Adolph A.: *See*—
Ely, Walter J., and Hale. 3,003,446.
Hale, Alex E. Aquatic amusement device. 2,991,076, 7–4–61, Cl. 272—1.
Hale, Andrew, B. A. McClellan, and R. L. Guggenheim, to Blaw-Knox Co. Continuous mill. 2,968,832, 1–24–61, Cl. 18—2.
Hale, Clifford E.: *See*—
May, Vivian G., and Hale. 3,011,822.
Hale, Clifford E., to General Motors Corp. Folding backrest for the rear seat of station wagons. 3,008,755, 11–14–61, Cl. 296—66.
Hale, George H.: *See*—
Dubois, Walter M., and Hale. 2,991,854.
Hale, Helen W. Life size figure for displaying garments. 3,010,225, 11–28–61, Cl. 35—56.
Hale, James F., R. A. Klein, and E. M. Bradway, to The Borden Co. Process for preparing instant potato. 2,980,543, 4–18–61, Cl. 99—207.
Hale, John K.: *See*—
McCarty, Horace G., and Hale. 3,006,123.
Hale, Kenneth: *See*—
Woodhall, Philip, and Hale. 2,999,142.
Hale, Maurice: *See*—
McGregor, Alan G., and Hale. 2,988,582.
Hale, Murray E.: *See*—
Kelner, Robert C., Woodsum, and Hale. 2,984,538.
Hale, Thomas A.: *See*—
Morrison, Linwood P., Hale, and Parker. 2,994,649.
Hales, John, to Dowty Rotol Ltd. Liquid springs. 3,000,622, 9–19–61, Cl. 267—1.
Halford, George, and R. H. J. Stone, to Ford Motor Co. Ltd. Motor vechile independent wheel suspensions. 2,992,015, 7–11–61, Cl. 280—124.
Halgren, John A., to International Harvester Co. Device and method for inspecting crankshaft journals. 2,994,220, 8–1–61, Cl. 73—105.
Halgren, John A., R. H. Pinkel, and A. Filinovitz, to International Harvester Co. Device for supporting tubes in core box assemblies. 2,970,352, 2–7–61, Cl. 22—160.

Halicki, Frank E. and J. E., and J. J. Kolpak. Automatic strip processing machines. 3,007,500, 11–7–61, Cl. 144—35.
Halicki, Joseph E.: *See*—
Halicki, Frank E. and J. E., and Kolpak. 3,007,500.
Halik, Raymond R.: *See*—
Browning, Lewis M., Jr., and Halik. 3,002,805.
De Chellis, Italo V., and Halik. 2,984,617.
Halik, Raymond R., and V. W. Weekman, Jr., to Socony Mobil Oil Co., Inc. Multicatalyst hydroconversion. 2,971,901, 2–14–61, Cl. 208—59.
Halina, Joseph W., to International Telephone and Telegraph Corp. Synchronous demodulation system. 2,979,611, 4–11–61, Cl. 250—20.
Halko, John J., Sr. Pre-treatment method and composition for improving the adhesive qualities of rubber. 3,005,740, 10–24–61, Cl. 156—95.
Hall, Albert M., D. C. Ludwigson, D. B. Roach, and V. W. Whitmer, to Republic Steel Corp. Transformable stainless steel. 2,967,770, 1–10–61, Cl. 75—125.
Hall, Alvin L., to Radio Corp. of America. Time discriminator. 2,989,652, 6–20–61, Cl. 307—88.5.
Hall, Arthur D., and R. Zarouni (deceased; A. Zarouni, administrator), to Bell Telephone Laboratories, Inc. Tandem echo suppressor circuits. 2,990,457, 6–27–61, Cl. 179—170.2.
Hall, Arthur S., to Tube Products Ltd. Manufacture of finned tube. 2,988,628, 6–13–61, Cl. 219—107.
Hall, C. M., Lamp Co.: *See*—
Worden, Norbert P. 2,981,828.
Worden, Norbert P. 3,003,059.
Hall, C. P., Co., The: *See*—
Hill, Norman C. 2,971,023.
Hall, Calvin H.: *See*—
Melill, Joseph, Muser, and Hall. 3,011,254.
Hall, Charles M.: *See*—
Russell, James B. 2,983,951.
Hall, Charles T.: *See*—
Chalmers, John W., Hall, and Roffey. 2,999,345.
Hall, Donald V., to Bariatric Corp. Thyroprotein and strophanthin composition for reducing body weight. 2,981,657, 4–25–61, Cl. 167—55.
Hall, Douglas W., to Rolls-Royce Ltd. Method of removing filler materials. 3,002,908, 10–3–61, Cl. 204—146.
Hall, E. G.: *See*—
Douglas, James W. 3,004,344.
Hall, Eddie R. Plumbing fixture. 2,997,058, 8–22–61, Cl. 137—360.
Hall, Elmer D.: *See*—
Hall, John A. and E. D. 2,990,884.
Hall, Emery L.: *See*—
Sparklin, Charles H., and Hall. 2,980,939.
Hall, Enrique J. Magnetic cylinder locks. 2,966,789, 1–3–61, Cl. 70—276.
Hall, Frederick W., and A. Young, to Associated Automation Ltd. Telephone coin collectors. 2,998,490, 8–29–61, Cl. 179—6.5.
Hall, George E., Jr.: *See*—
Leaf, Clyde W., Hall, and Davis. 3,006,779.
Hall, George V. B.: *See*—
Scibbe, Harold R., Hall, and Hilgendorf. 3,003,489.
Hall, Godfrey N., to Simmonds Aerocessories Ltd. Abrading tools. 3,008,217, 11–14–61, Cl. 29—78.
Hall & Hall Ltd.: *See*—
Jarvis, Jack S. 2,968,516.
Hall, Harold G.: *See*—
Atman, Jay W., and Hall. 2,986,053.
Hall, Harold S. Map marker. 2,969,734, 1–31–61, Cl. 101—287.
Hall, Harry. Fastening means. 2,995,754, 8–15–61, Cl. 1—50.
Hall, Harry H., to American Viscose Corp. Process of producing all skin rayon. 2,977,238, 3–28–61, Cl. 106—165.
Hall, Harry H., and W. A. Brown. Chatter switch. 2,969,440, 1–24–61, Cl. 200—61.01.
Hall, Howard N.: *See*—
Craig, Forrest F., Jr., and Hall. 3,003,554.
Hall, Hugh. Cover lock. 3,005,571, 10–24–61, Cl. 220—60.
Hall, James D. Separation of nickel and cobalt. 2,971,836, 2–14–61, Cl. 75—119.
Hall, James L. Attachment for railroad flat car. 2,978,993, 4–11–61, Cl. 105—374.
Hall, James R.: *See*—
Cole, Judson C., and Hall. 3,004,237.
Hall, James Z. G., to General Refrigeration Engineering Ltd. Continuous air dehydration apparatus. 3,013,405, 12–19–61, Cl. 62—243.
Hall, John A. and E. D. Internal abrading scratcher. 2,990,884, 7–4–61, Cl. 166—173.
Hall, John C. Sidewalk edger. 2,998,852, 9–5–61, Cl. 172—18.
Hall, John L.: *See*—
Bennett, Raymur B., Hall, and Preis. 3,008,558.
Hall, John N., to Enterprise Machine and Development Corp. Motor-driven pump. 2,997,957, 8–29–61, Cl. 103—87.
Hall, John W., to The De Havilland Engine Co. Ltd. Adjustable propulsion nozzles. 3,003,311, 10–10–61, Cl. 60—35.6.
Hall, Joseph. Lock device. 3,009,724, 11–21–61, Cl. 292—226.
Hall, Lawrence G.: *See*—
Brubaker, Wilson M., Hall, and Slay. 3,010,017.
Hall, Leslie T.: *See*—
Balch, Robert A., and Hall. 3,003,731.
Hall, Lester G., to North American Aviation, Inc. Fabrication procedure for parts having low density core. 2,988,809, 6–20–61, Cl. 29—423.
Hall, Lewis D., J. C. Helmer, and R. L. Jepsen, to Varian Associates. Electrical vacuum pump apparatus and method. 2,993,638, 7–25–61, Cl. 230—69.
Hall, Lloyd A., to The Griffith Laboratories, Inc. Antioxidant composition. 2,981,628, 4–25–61, Cl. 99—163.
Hall, Raymond E., to L. J. Robbins. Battery-powered electric cigarette lighter. 3,007,027, 10–31–61, Cl. 219—32.
Hall, Rex C., to National Hospital Mfg. & Distributing Co. Adjustable mattress and supporting means therefor for use with hospital beds. 3,014,224, 12–26–61, Cl. 5—90.
Hall, Richard M. Golf game device. 2,988,363, 6–13–61, Cl. 273—181.
Hall, Robert L., and D. R. Smith, to Phillips Petroleum Co Bonding butadiene vinylpyridine formulations to metal. 2,978,377, 4–4–61, Cl. 154—129.
Hall, Robert N., to General Electric Co. Asymmetrically conductive device and method of making the same. 2,994,018, 7–25–61, Cl. 317—235.
Hall, Roderic E., to Transitron Electronic Corp. Method of selectively electrolytically etching semiconductor silicon materials. 2,998,362, 8–29–61, Cl. 204—143.
Hall, Ross B., to Minneapolis-Honeywell Regulator Co. Magnetostrictive bearing assembly. 2,993,739, 7–25–61, Cl. 308—1.
Hall, Russell J.: *See*—
White, Marshall P., and Hall. 2,994,784.
White, Marshall P., and Hall. 3,005,915.
Hall, Russell S., to General Motors Corp. Varaible blade system. 2,972,441, 2–21–61, Cl. 230—114.
Hall, Russell S., to General Motors Corp. Compressor scavenging system. 2,991,005, 7–4–61, Cl. 230—207.
Hall, Russell S., to General Motors Corp. Spiral annular combustion chamber. 3,000,183, 9–19–61, Cl. 60—39.65.
Hall, Samuel G. Ski trainer. 3,014,284, 12–26–61, Cl. 35—29.
Hall, Theodore W. Battery clamp. 2,994,395, 8–1–61, Cl. 180—68.5.
Hall, Thomas, to J. H. Fenner & Co. Ltd. Flexible couplings. 2,973,633, 3–7–61, Cl. 64—11.
Hall-Toledo, Inc.: *See*—
Gray, Milo C., and Kozak. 2,977,727.
Hall, Walter J., to Bell & Howell Co. Film splicing. 2,994,362, 8–1–61, Cl. 154—42.1.
Hall, Wayne P.: *See*—
Intagliata, Salvatore J., Hildebrandt, Yerks, Di Galbo, and Hall. 2,980,225.
Hall, Wesley L. Field cook stove. 3,000,372, 9–19–61, Cl. 126—9.
Hall, William B.: *See*—
Barach, Alvan L., and Hall. 2,994,405.
Hall, William B., and A. Draycott, to United Kingdom Atomic Energy Authority. Apparatus for determining the metal oxide content of an alkali liquid metal. 3,002,820, 10–3–61, Cl. 23—253.
Hall, William L. Reloading apparatus for small arms ammunition and in particular reference to the sizing and lubrication of raw bullets. 3,005,372, 10–24–61, Cl. 86—19.
Hall, William O.: *See*—
Phillips, Wallace G., Hall, and Overstreet. 2,979,253.
Hallam, Cecil A., and T. F. Herron, Jr., to Western Electric Co., Inc. Open seam detector for metal sheathed cables. 2,988,917, 6–20–61, Cl. 73—432.
Hallas, Harry H.: *See*—
Swain, Kenneth W., and Hallas. 3,010,000.
Hallas, Harry H., to The Chase-Shawmut Co. Manufacturing fuses having caps made of an elastomer. 3,005,741, 10–24–61, Cl. 156—152.
Hallberg, Elmer E., and R. S. Litterst, to Rockford Machine Tool Co. Thread rolling machines. 2,967,444, 1–10–61, Cl. 80—8.
Hallden, Carl E., Jr., and K. Murenbeeld, to E. I. du Pont de Nemours and Co. Yarn fluid treatment process and apparatus. 3,005,251, 10–24–61, Cl. 28—1.
Hallden, Frederick C.: *See*—
Bailey, William F., Burr, and Hallden. 3,009,015.
Halle, Roger J. Connecting means for structural elements. 2,994,415, 8–1–61, Cl. 189—36.
Hallenbeck, Emerson J. Door guard. 2,995,785, 8–15–61, Cl. 20—16.
Haller, André R., to A. Koelliker & Cie. A.-G. Dental apparatus. 3,005,261, 10–24–61, Cl. 32—28.
Haller, Inc.: *See*—
Doll, Frank A. 2,970,905.
Haller, Jacob. Food-vending machine. 3,000,538, 9–19–61, Cl. 221—69.
Haller, John. Composite self-lubricating ball joint. 3,011,811, 12–5–61, Cl. 287—87.
Haller, John, and L. W. Alexander. Tolerance ring. 2,999,704, 9–12–61, Cl. 287—52.
Haller, Raymond, and Brown, Inc.: *See*—
Quynn, Allen G., Jr. 2,999,207.
Haller, Richard. Internal combustion engine brake. 2,968,295, 1–17–61, Cl. 123—97.
Hallett, Henry A., to Cheltenham Auto Controls Ltd. Pneumatic force-balance signal transmitters. 3,014,372, 12–26–61, Cl. 73—407.
Hallett Mfg. Co.: *See*—
Estes, Stanley E. 2,987,587.
Halleux, André L., to Union Carbide Corp. Condensed aromatic hydrocarbons. 3,000,984, 9–19–61, Cl. 260—668.

Hallewell, Harold S. Forming apparatus for profile grinding wheels. 2,984,233, 5–16–61, Cl. 125—11.
Hallewell, Harold S. Forming means for profile grinding wheels. 2,984,234, 5–16–61, Cl. 125—11.
Hallewell, Harold S. Forming apparatus for profile grinding wheels. 2,985,163, 5–23–61, Cl. 125—11.
Haligren, Werner C., to United States Steel Corp. Adjustable offset key assembly. 3,002,773, 10–3–61, Cl. 287—52.05.
Halliburton Co.: *See*—
Farley, David L. 2,976,076.
Feistel, Robert B., Jr. 2,968,915.
Huddleston, Richard H., Jr., and Chun. 2,997,645.
Nall, Arthur E., Jr. 3,002,148.
Pike, Robert S. 2,997,099.
Poulter, Thomas C. 3,013,491.
Rankin, Edward E., Jr. 2,998,521.
Smith, Edward W., and Copland. 2,999,557.
Young, Vernon R., Pittman, and Broaddus. 3,011,551.
Halliburton Oil Well Cementing Co.: *See*—
Bynum, Frank A. 2,983,281.
Hallicrafters Co., The: *See*—
Pettegrew, John B. 2,987,676.
Halliday, John E., Jr., and M. H. Faust. Method of knitting combination pantie girdle. Re. 24,970, 4–18–61, Cl. 66—177.
Halliday, John J.: *See*—
Larson, Stanley C., and Halliday. 2,978,200.
Hallidy, William M., to The Leece-Neville Co. Electric generating systems. 3,009,091, 11–14–61. Cl. 322—28.
Halligan, Eugene P., to Nye Tool Co. Folding tripod with folding platform. 2,878,114, 4–4–61, Cl. 211—149.
Hallinan, Marion C.: *See*—
Jaffe, Donald, and Hallinan. 3,007,988.
Hallinan, William W., to Hally Mfg., Inc. Automatic floor drain shut-off valves. 3,007,484, 11–7–61, Cl. 137—410.
Halliwell, John W.: *See*—
Bedortha, Lawrence T., and Halliwell. 2,976,652.
Hallman, Muryl: *See*—
Slater, John M., Perkins, Crowley, Hallman, Benson, and Santogrossi. 2,995,937.
Hallmark Cards, Inc.: *See*—
Gibson, Dora S. 2,974,434.
Lloyd, Allen H., and Bayer. 3,002,746.
MacDougall, Anne J., Lohnes, and Krekovich. 2,988,845.
Hallmark, Wyatt B. Revolving shelf construction. 3,000,514, 9–19–61, Cl. 211—144.
Hallock, Edward C., to Construction Specialities, Inc. Mullion arrangement. 2,988,183, 6–13–61, Cl. 189—63.
Hallock, Edward C. Bracket assembly for airfoil type louver blade. 3,004,306, 10–17–61, Cl. 20—63.
Hallock, Edward C. Cooling tower screen and brackets therefor. 3,004,307, 10–17–61, Cl. 20—63.
Hallock, Edward C. Grilles, screens and the like. 3,004,642, 10–17–61, Cl. 189—82.
Hallock, Robert L. Drive fastener with anchoring teeth on the tapered portion thereof. 2,967,448, 1–10–61, Cl. 85—21.
Halls, Lawrence M., and H. G. McCarty, to Sperry Rand Corp. Hay conditioner. 3,007,297, 11–7–61, Cl. 56—1.
Hallsey, James V., to Western Electric Co., Inc. Clamps for securing and supporting articles. 2,969,216, 1–24–61, Cl. 248—71.
Hallstead, Herbert J.: *See*—
Dickinson, Arthur H., and Hallstead. 2,993,595.
Hallstrom, Bengt H., to Aktiebolaget Separator. Method and apparatus for removing volatile substances from liquids. 2,989,143, 6–20–61, Cl. 183—2.5.
Hallstrom, Gustave A.: *See*—
Andrus, Budd W., and Hallstrom. 3,011,535.
Hallum, Stuart M.: *See*—
Penland, Minnie H., and Hallum. 3,006,310.
Hally Mfg., Inc.: *See*—
Hallinan, William W. 3,007,484.
Halo-Flite International Inc.: *See*—
Christian, Joseph D. 3,000,229.
Haloid Xerox Inc.: *See*—
Bird, John W., Jr. 2,975,758.
Bixby, William E. 2,970,906.
Carlson, Chester F. 2,990,278.
Carlson, Chester F., and Bogdonoff. 2,982,647.
Gundlach, Robert W. 2,968,552.
Gundlach, Robert W. 2,968,553.
Gundlach, Robert W. 2,995,464.
Hayford, Richard E., and Kaiser. 2,992,758.
Iwerks, Ub. 2,995,108.
Kurz, Philip F. 2,988,988.
Schwertz, Frederick A. 2,978,968.
Walkup, Lewis E. 2,987,660.
Walkup, Lewis E. 2,995,085.
Halonen, Carl A., to United States of America, Navy. Digital to analog converter. 2,993,202, 7–18–61, Cl. 340—347.
Halortha Engineering Co., Inc.: *See*—
Bedortha, Lawrence T., and Halliwell. 2,976,652.
Haloski, Frank, and R. A. Adams, to Vacuum Can Co. Spray sterilizer. 2,993,246, 7–25–61, Cl. 21—79.
Halperin, A. E., Co., Inc.: *See*—
Halperin, Abraham E. 2,966,909.
Halperin, Abraham E., to A. E. Halperin Co., Inc. Pocket inhalator. 2,966,909, 1–3–61, Cl. 128—206.
Halpern, Alfred. Sennoside-polycyclohexose complexes. 2,970,942, 2–7–61, Cl. 167—56.
Halpern, Alfred, to Synergistics, Inc. Composition and method for treating biliary dyskinesia. 2,990,327, 6–27–61, Cl. 167—65.
Halpern, Alfred, to E. Fougera & Co., Inc. Stabilized lotio alba composition. 2,994,641, 8–1–61, Cl. 167—72.
Halpern, Alfred, to Synergistics, Inc. Betaine salicylates and the method for their preparation. 3,002,886, 10–3–61, Cl. 167—65.
Halpern, Benjamin D., W. Karo, and A. H. Gapsch, to The Borden Co. Non-ignitable elastomers. 3,006,901, 10–31–61, Cl. 260—78.5.
Halpern, Benjamin D., and B. O. Krueger, to The Borden Co. Separation of methanol and methyl acetate. 3,011,954, 12–5–61, Cl. 202—42.
Halpern, Joseph: *See*—
Beinfest, Sidney, Adams, Halpern, and Weiss. 3,014,807.
Beinfest, Sidney, and Halpern. 3,013,064.
Beinfest, Sidney, and Halpern. 3,013,065.
Halpern, Otto, to United States of America, Navy. Method of reducing reflection of incident electromagnetic waves. 3,007,160, 10–31–61, Cl. 343—18.
Halpern, Peter H., to International Business Machines Corp. Transistor switching circuits. 2,979,627, 4–11–61, Cl. 307—88.5.
Halpern, Peter H., to International Business Machines Corp. Transistor switching system. 2,985,771, 5–23–61, Cl. 307—88.5.
Halpern, Peter: *See*—
Henle, Robert A., Valentine, and Halpern. 3,002,107.
Halpern, Sidney. Umbrella. 2,994,333, 8–1–61, Cl. 135—19.5.
Halpert, Abby, to Halvin Products Co. Aquarium filter. 3,006,476, 10–31–61, Cl. 210—169.
Halsell, Charles M.: *See*—
Kindler, Herbert S., and Halsell. 2,975,635.
Halsmer, Joseph L. Twin-engine arrangement. 2,978,208, 4–4–61, Cl. 244—53.
Halstead, Calvert B.: *See*—
Guest, Howard R., Kiff, and Halstead. 2,972,601.
Guest, Howard R., Kiff, and Halstead. 2,992,207.
Halstead, Fred E., to Ajax Magnethermic Corp. Thermocouple apparatus and method of using the same. 2,973,397, 2–28–61, Cl. 136—4.
Halstead, John H. Automotive vehicle lift. 2,975,867, 3–21–61, Cl. 187—8.41.
Haisted, Richard E., to General Electric Co. Method for making flexible luminescent, photoconducting or photovoltaic films of large area. 2,997,415, 8–22–61, Cl. 154—95.
Halteman, Eber K.: *See*—
Bleiberg, Melvin L., and Halteman. 2,977,557.
Halter, Ludwig. Seat and backrest construction. 2,970,638, 2–7–61, Cl. 155—191.
Halter, Robert E., and J. J. McGrath, to Gulf Research & Development Co. Lubricating oil thickened to a grease consistency with a mixture of a tetraphenyl-phthalyl compound and an organophilic siliceous compound. 2,983,682, 5–9–61, Cl. 252—49.7.
Halter, Robert E., and J. J. McGrath, to Gulf Research & Development Co. Lubricating oil thickened to a grease with a mixture of a 1,3,5-triazine compound and an organophilic siliceous compound. 2,984,624, 5–16–61, Cl. 252—28.
Halter, Stanley J.: *See*—
Duskey, Edmund L., and Halter. 3,000,274.
Halton, Donald: *See*—
Marwing, Kenneth G., Halton, and Greenaway. 2,991,335.
Halversen, Roy A., to Parker Rust Proof Co. Process of coating aluminum. 2,967,791, 1–10–61, Cl. 148—6.16.
Halverson, Donald U., to Texaco Inc. Apparatus for use in correlating oil well logs. 2,977,680, 4–4–61, Cl. 33—1.
Halverson, Emmett H. Catapult device. 2,970,839, 2–7–61, Cl. 273—106.5.
Halverson, Helmer M.: *See*—
Trumbull, Alfred L., and Halverson. 2,982,320.
Halverson Products Mfg. Co.: *See*—
Walker, Robert G. 2,986,391.
Halverstadt, Isaac F.: *See*—
Hidalgo, John, Williams, and Halverstadt. 2,980,673.
Halvin Products Co.: *See*—
Halpert, Abby. 3,006,476.
Halvorsen, Harry W. Palm-operated can opener. 2,984,002 5–16–61, Cl. 30—16.
Halvorson Trees, Inc.: *See*—
Pazandak, Louis A. 2,998,674.
Ham, George E., to J. T. Baker Chemical Co. Copolymer of an alkyl methacrylate and an alpha-acyloxystyrene, and method for preparing same. 2,980,658, 4–18–61, Cl. 260—86.1.
Ham, George E., and A. B. Craig, to The Chemstrand Corp. Fiber forming composition containing acrylonitrile polymer and acrylonitrile N-vinylpyrrolidone copolymer. 2,971,937, 2–14–61, Cl. 260—45.5.
Ham, George E., and M. Zief. Process for polymerizing vinylene carbonate. 2,993,030, 7–18–61, Cl. 260—77.5.
Ham, John L., to National Research Corp. Production of metals. 2,982,844, 5–2–61, Cl. 219—76.
Hamberger, Henry A., and C. M. Ernissee, to Hamco Machines, Inc. Automatic saw sharpener. 2,977,822, 4–4–61, Cl. 76—43.
Hamberger, Sydney M., to The General Electric Co. Ltd. Electrical switching systems. 2,973,485, 2–28–61, Cl. 333—7.

Hambleton, Beatrice H. V.: *See*—
Hambleton, Bertram H. C. 3,006,564.
Hambleton, Bertram H. C., deceased, by B. H. V. Hambleton, executrix, to V. K. Smith, d.b.a. Electric Motor Development Co. Coil winding apparatus. 3,006,564, 10–31–61, Cl. 242—13.
Hamblin, Charles L., and C. J. Wayman, to The General Electric Co. Ltd. Electric computing apparatus. 3,008,640, 11–14–61, Cl. 235—183.
Hambor, John G., and C. Weaver, to Gabagan, Inc. Crystal diode rectifier and method of making same. 2,984,890, 5–23–61, Cl. 29—25.3.
Hambsch, Erich: *See*—
Mittelberger, Karl-Heinz, Hambsch, and Hahne. 2,993,777.
Hamburger, Gerhart L., and T. Robertson, to Hartley Robertson Ltd. Automatic steering apparatus for vessels, vehicles and other guided bodies. 2,995,827, 8–15–61, Cl. 33—222.
Hamburger, Theodore, and C. H. Wood, Jr., to Westinghouse Electric Corp. High speed switching circuit. 2,997,606, 8–22–61, Cl. 307—88.5.
Hamby, Jefferson O.: *See*—
Svensson, Emil L., Hamby, and Higby. 2,972,743.
Hamco Machines, Inc.: *See*—
Hamberger, Henry A., and Ernissee. 2,977,822.
Hame, Trevor G., to Electric & Musical Industries Ltd. Slot aerial. 3,007,166, 10–31–61, Cl. 343—771.
Hamel, Edmund, to Hamel Projektierungs-und Verwaltungs-A.G. Process and apparatus for twining threads. 2,972,856, 2–28–61, Cl. 57—156.
Hamel, Jacob S., to Walt Disney Productions. Boat guiding apparatus. 3,003,430, 10–10–61, Cl. 104—72.
Hamel, Lewis E., to Lewis E. Hamel Co., Inc. Detachable hanger. 2,983,980, 5–16–61, Cl. 24—239.
Hamel, Lewis E., to Lewis E. Hamel Co., Inc. Detachable hanger. 3,007,666, 11–7–61, Cl. 248—317.
Hamel, Lewis E., Co., Inc.: *See*—
Hamel, Lewis E. 2,983,980.
Hamel, Lewis E. 3,007,666.
Hamel Projektierungs-und Verwaltungs-A.G.: *See*—
Hamel, Edmund. 2,972,856.
Hamelink, William B., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,967,941, 1–10–61, Cl. 250—83.6.
Hamelink, William B., to Minneapolis-Honeywell Regulator Co. Condition sensing apparatus. 3,012,146, 12–5–61, Cl. 250—83.6.
Hamer, Martin: *See*—
Brown, Russel H., and Hamer. 3,007,782.
Hames, William A., and B. B. Brombaugh, to General Motors Corp. Epoxy base friction material and method of making same. 3,003,980, 10–10–61, Cl. 260—18.
Hamill-Markus Industries, Inc.: *See*—
Randol, Glenn T. 2,968,926.
Randol, Glenn T. 2,972,339.
Randol, Glenn T. 2,985,146.
Randol, Glenn T. 3,000,457.
Hamilton, Bob R., to Phillips Petroleum Co. Operation of reaction motors. 2,994,191, 8–1–61, Cl. 60—35.4.
Hamilton, C. W. F., & Co. Ltd.: *See*—
Hamilton, Charles W. F. 3,007,305.
Hamilton, Carl C., and N. W. Young, to The Babcock & Wilcox Co. Integral furnace-vapor generator. 3,003,482, 10–10–61, Cl. 122—478.
Hamilton, Charles W. F., to C. W. F. Hamilton & Co. Ltd. Marine propulsion apparatus. 3,007,305, 11–7–61, Cl. 60—35.54.
Hamilton Cosco, Inc.: *See*—
Hamilton, Earl F. 2,969,882.
Hamilton, Earl F. 2,984,362.
Hamilton, Earl F. 2,988,398.
Hamilton, Earl F. 2,991,123.
Hamilton, Earl F. 2,991,486.
Hamilton, Earl F. 3,009,739.
Hamilton, Earl F. 3,011,585.
Hamilton, Earl F. 3,012,254.
Hamilton, Donald A., to Don Baxter, Inc. Hypodermic needle. 2,989,053, 6–20–61, Cl. 128—221.
Hamilton, Donald A., A. V. Misik, and R. G. Zenick, to Don Baxter, Inc. Assembly machine. 2,998,050, 8–29–61, Cl. 154—1.6.
Hamilton, Douglas J., to Hughes Aircraft Co. Transistor pulse generator. 3,002,110, 9–26–61, Cl. 307—88.5.
Hamilton, Earl F., to Hamilton Cosco, Inc. Cart. 2,969,882, 1–31–61, Cl. 211—148.
Hamilton, Earl F., to Hamilton Cosco, Inc. Shelf construction. 2,984,362, 5–16–61, Cl. 211—135.
Hamilton, Earl F., to Hamilton Cosco, Inc. Chair construction. 2,988,398, 6–13–61, Cl. 297—383.
Hamilton, Earl F., to Hamilton Cosco, Inc. Folding chair. 2,991,123, 7–4–61, Cl. 297—55.
Hamilton, Earl F., to Hamilton Cosco, Inc. Foldable play pen. 2,991,486, 7–11–61, Cl. 5—98.
Hamilton, Earl F., to Hamilton Cosco, Inc. Stool. 3,009,739, 11–21–61, Cl. 297—349.
Hamilton, Earl F., to Hamilton Cosco, Inc. Step stool. 3,011,585, 12–5–61, Cl. 182—33.
Hamilton, Earl F., to Hamilton Cosco, Inc. Infant's crib. 3,012,254, 12–12–61, Cl. 5—100.
Hamilton, Francis W., to Chrysler Corp. Fuel injection system. 3,010,442, 11–28–61, Cl. 123—119.
Hamilton, Fredrick A., to Chicago Aerial Industries, Inc. Radiation responsive apparatus. 2,995,662, 8–8–61, Cl. 250—209.
Hamilton, George E., to Keystone View Co. Tachistoscope. 2,996,812, 8–22–61, Cl. 35—35.
Hamilton, Harry D.: *See*—
Kelly, William A., and Hamilton. 2,970,116.
Hamilton, Joseph C., and R. R. Rough, to Owens-Illinois Glass Co. Water cooled glass stirrer. 2,982,522, 5–2–61, Cl. 257—104.
Hamilton, Joseph P., to Container Corp. of America. Stacking paperboard tray. Re. 25,050, 10–10–61, Cl. 229—34.
Hamilton, Joseph P., and G. C. Burkhardt, to C. Dreifus, Jr. Pallet making machine and process. 2,976,779, 3–28–61, Cl. 93—1.
Hamilton, Kenneth: *See*—
Shuttleworth, Edwin C., and Hamilton. 3,012,393.
Hamilton, Lonie W., Jr.: *See*—
Grandio, Philip, Jr., and Hamilton. 2,979,546.
Hamilton, Louis F. Hemostatic instrument. 2,970,596, 2–7–61, Cl. 128—326.
Hamilton, Lyle A., and P. S. Landis, to Socony Mobil Oil Co., Inc. Process for preparation of alkyl-1,2-dithiole-3-thiones. 2,995,569, 8–8–61, Cl. 260—327.
Hamilton Mfg. Co.: *See*—
Hiers, Victor H., and Kanzelberger. 2,972,207.
Kanzelberger, Claude G. 3,003,243.
Nelson, Glenn L. 2,992,043.
Hamilton, Matthew E., to J. I. Case Co. Disk harrow construction. 2,981,345, 4–25–61, Cl. 172—597.
Hamilton, Milton R., to Bomac Laboratories Inc. Microwave duplexer. 2,976,552, 3–28–61, Cl. 333—13.
Hamilton, Milton R., and L. S. Tremblay, to Bomac Laboratories Inc. Waveguide window. 2,971,172, 2–7–61, Cl. 333—98.
Hamilton, Odell A. Sewer cleansing alarm. 2,985,187, 5–23–61, Cl. 137—242.
Hamilton, Oscar E. Trailer alignment device. 2,984,011, 5–16–61, Cl. 33—46.
Hamilton Pharmacal Co., Inc.: *See*—
Curtis, Clifton R. 2,968,592.
Hamilton, Ray W.: *See*—
Welland, Richard H., and Hamilton. 3,002,719.
Hamilton, Rollie D., to Auto Express Rail, Inc. Screw-type conveyor. 2,987,170, 6–6–61, Cl. 198—213.
Hamilton, Russel D.: *See*—
Lederman, Burton E., and Hamilton. 2,977,242.
Hamilton, Russell W., to St. Regis Paper Co. Extensible paper product and process. 2,996,425, 8–15–61, Cl. 162—113.
Hamilton Tool Co., The: *See*—
Grove, James E., and Chamberlain. 2,990,171.
Hamilton, Wallace: *See*—
Stanwick, Tad, Hamilton, and Hannigan. 2,973,174.
Hamilton, Wallace, and J. Lovell, to Cleveland Pneumatic Industries, Inc. Towers. 2,968,410, 1–17–61, Cl. 214—1.
Hamilton, Walter E.: *See*—
Lowe, Edison, Rockwell, and Hamilton. 3,000,294.
Hamilton Watch Co.: *See*—
Biemiller, Philip E., and Reese. 2,972,745.
Biemiller, Philip E., and Schoenrock. 2,977,750.
Devol, Lee. 2,968,756.
Devol, Lee. 2,993,159.
Devol, Lee. 2,994,023.
Epperlein, Helmut. 2,978,862.
Epperlein, Helmut. 3,010,075.
Fritsch, Daniel. 2,997,839.
Fritsch, Daniel. 3,013,338.
Hilkemeier, Herbert. 2,985,776.
Jensen, Kaj H. 2,990,676.
Jensen, Kaj H. 3,011,305.
Kempf, Walter R., and Morgan. 2,985,703.
Kempf, Walter R., and Rhyne. 2,985,704.
Koehler, Fred, and Bly. 3,012,173.
Le Blanc, Robert E. 2,995,887.
Petters, Oscar R. 2,986,331.
Petters, Oscar R., and Thompson. 2,976,673.
Reber, John, Jr. 2,994,185.
Rueger, Herman. 2,997,840.
Smythe, Frederic H. 2,985,705.
Studer, Philip A. 2,981,117.
Van Horn, John A., and Biemiller. 2,976,435.
Van Horn, John A., and Biemiller. 3,010,037.
Hamilton, William C., and H. W. Austin, to Mine Safety Appliances Co. Breathing apparatus hose restrainer. 2,999,497, 9–12–61, Cl. 128—142.
Hamilton, William F., to Lockheed Aircraft Corp. Recirculating toilet sump fluid. 2,998,390, 8–29–61, Cl. 252—106.
Hamilton, William F., and W. R. Burney, Jr., to Lockheed Aircraft Corp. Cadmium plating compositions. 3,014,852, 12–26–61, Cl. 204—50.
Hamilton, William H., to Motor Products Corp. Combination pump housing and mounting means. 2,972,963, 2–28–61, Cl. 103—219.
Hamilton, Winton W., to Socony Mobil Oil Co. Two stage reforming with intermediate fractionation. 3,002,916, 10–3–61, Cl. 208—64.
Hamilton, Winton W., to Socony Mobil Oil Co., Inc. Method of making 104–106 R.O.N. leaded gasoline. 3,002,917, 10–3–61, Cl. 208—79.
Hamilton, Winton W., to Socony Mobil Oil Co., Inc. Process for manufacturing 104–106 R.O.N. leaded gasoline. 3,003,949, 10–10–61, Cl. 208—79.

Hamlet, Buck C.: *See*—
Harbers, Henry C., and Hamlet. 2,991,993.
Harbers, Henry C., and Hamlet. 2,996,313.
Hamlet, Heber J. Process for refining and improving the quality of steel and other ferrous metals. 2,992,096, 7–11–61, Cl. 75—43.
Hamlett, Sidney J., to White Sewing Machine Corp. Dial speed mechanism for a sewing machine. 2,971,484, 2–14–61, Cl. 112—220.
Hamlett, Sidney J., to White Sewing Machine Corp. Sewing machine. 2,971,485, 2–14–61, Cl. 112—258.
Hamlin, Cyrus. Boat hull. 2,997,974, 8–29–61, Cl. 114—142.
Hamlin, George W., IV. Electrical switch. 2,994,752, 8–1–61, Cl. 200—98.
Hamlin, Kenneth E.: *See*—
Zaugg, Harold E., Garven, Geiszler, and Hamlin. 2,971,-024.
Hamm, Clarence L., and W. E. Bourne, to General Electric Co. Combustion chamber locking device. 2,988,886, 6–20–61, Cl. 60—39.65.
Hamm, Philip C., and N. J. Lewis, to Monsanto Chemical Co. Defoliant compositions. 2,967,101, 1–3–61, Cl. 71—2.6.
Hamm, Philip C., and R. E. Miller, to Monsanto Chemical Co. Defoliating composition and method. 2,970,048, 1–31–61, Cl. 71—2.5.
Hamm, Philip C., and A. J. Speziale, to Monsanto Chemical Co. Herbicides. 2,973,258, 2–28–61, Cl. 71—2.7.
Hamm, Philip C., and K. L. Godfrey, to Monsanto Chemical Co. Method of destroying vegetation with xanthates. 2,990,265, 6–27–61, Cl. 71—2.3.
Hamm, Philip C., and K. L. Godfrey, to Monsanto Chemical Co. Method of destroying vegetation with trithiocarbonates. 2,993,774, 7–25–61, Cl. 71—2.3.
Hamm, Philip C., and A. J. Speziale, to Monsanto Chemical Co. Use of cyclohexyl substituted alpha-chloroacetamides as herbicides. 3,007,786, 11–7–61, Cl. 71—2.3.
Hamman, Denver C.: *See*—
Biesecker, Donald L., and Hamman. 2,994,426.
Hamman, Lyle J., to Eaton Stamping Co. Spring starter. 2,999,490, 9–12–61, Cl. 123—179.
Hammann, John W.: *See*—
Arnold, Harold D., and Hammann. 3,007,068.
Hammar, Howard N.: *See*—
May, Frank H., and Hammar. 3,013,863.
Hammel, Jay E.: *See*—
Boyer, Keith, Hammel, Longmire, Nagle, Ribe, and Tuck. 3,005,767.
Hammell, Allan K., to Minneapolis-Honeywell Regulator Co. Servo positioning system monitor. 2,996,651, 8–15–61, Cl. 318—489.
Hammell, Kemper M., to AMP Inc. Socket connector means for circuit board. 2,973,499, 2–28–61, Cl. 339—17.
Hammer, Alexander, to United States of America, Army. Floating chamber. 2,992,596, 7–18–61, Cl. 89—16.
Hammer, Alexander, to United States of America, Army. Composite lightweight barrel with predetermined thermal characteristics. 3,004,361, 10–17–61, Cl. 42—76.
Hammer, Ervin J. and O. H. Finger wheel assembly for a beet harvester. 2,993,545, 7–25–61, Cl. 171—58.
Hammer, Henry F., to Chas. Pfizer & Co., Inc. Parenteral magnesium oxytetracycline acetic or lactic acid carboxamide vehicle preparation. 2,980,584, 4–18–61, Cl. 167—65.
Hammer, Jacobus A., to Internationale Navigatie Apparaten N.V. Computer circuit. 2,997,236, 8–22–61, Cl. 235—191.
Hammer, James P., to International Business Machines Corp. Static data storage apparatus. 2,975,405, 3–14–61, Cl. 340—172.5.
Hammer, James P., to International Business Machines Corp. Matrix switching means. 2,991,454, 7–4–61, Cl. 340—172.5.
Hammer, Marvin H. Printer's chase. 2,992,610, 7–18–61, Cl. 101—404.
Hammer, Oliver S., to United Electronics Laboratories, Inc. Photographic apparatus for taking sequential pictures. 3,011,416, 12–5–61, Cl. 95—11.
Hammer, Orrin H.: *See*—
Hammer, Ervin J. and O. H. 2,993,545.
Hammer, Samuel. Sink clamps. 3,001,209, 9–26–61, Cl. 4—187.
Hammer, Waldemar. Multiple vertical spindle woodworking machine and method of woodworking. 3,008,501, 11–14–61, Cl. 144—1.
Hammer, Warren, and C. F. Sudds, to Belden Mfg. Co. Insulated wire and method of forming same. 2,970,937, 2–7–61, Cl. 154—2.27.
Hammer, William O.: *See*—
Hoffacker, Theodore, Jr., and Hammer. 2,994,497.
Hammer, Willie. Three dimensional jig saw puzzle. 2,987,-318, 6–6–61, Cl. 273—157.
Hammermill Paper Co.: *See*—
Butler, Ralph R. 2,989,221.
Hammes, Dorothy C.: *See*—
Hammes, Frederic J. 2,999,952.
Hammes, Frederic J., ½ to D. C. Hammes, and ¼ to J. A. Stinson. Synchronous motor. 2,999,952, 9–12–61, Cl. 310—154.
Hammesfahr, Gunter. Vulcanization mold for rubber tires and the like. 2,987,763, 6–13–61, Cl. 18—6.
Hammett, Robert L. Television slide projector. 2,976,357, 3–21–61, Cl. 178—7.2.
Hammett, Robert S.: *See*—
Dunn, Fred, and Hammett. 2,975,804.
Hammitt, Andrew B., and H. L. Birum, Jr. Adjusting device. 3,008,368, 11–14–61, Cl. 85—1.
Hammitt, Andrew B., and H. L. Birum, Jr. Partition intersection. 3,013,642, 12–19–61, Cl. 189—34.
Hammon, George L. Spring adjusting device. 2,967,704, 1–10–61, Cl. 267—1.
Hammon, Henry G.: *See*—
Wilson, Christopher L., and Hammon. 2,970,118.
Wilson, Christopher L., and Hammon. 2,980,650.
Hammon, Henry G., R. A. Clark, and J. W. Uttley, Jr., to Shell Oil Co. Graft copolymers of an alkenyl-substituted aromatic compound, and unsaturated ester and a preformed copolymer of an alkenyl-substituted aromatic compound and a polyolefin. 2,994,680, 8–1–61, Cl. 260—45.5.
Hammon, Henry G., R. A. Clark, and J. W. Uttley, Jr., to Shell Oil Co. Copolymers of alkenyl-substituted aromatic compounds and ethylenically unsaturated ethers and their use in preparing graft copolymers with preformed copolymers of alkenyl-substituted aromatic compounds and unsaturated ethers. 2,994,681, 8–1–61, Cl. 260—45.5.
Hammon, Henry G., R. A. Clark, and J. W. Uttley, Jr., to Shell Oil Co. Graft copolymers of an alkenyl-substituted aromatic compound, and unsaturated ester, and a copolymer of an alkenyl-substituted aromatic compound and an unsaturated ketone. 2,994,682, 8–1–61, Cl. 260—45.5.
Hammon, Otto: *See*—
Kent, Francis J., and Hammon. 2,988,211.
Hammon, Robert L., to Sperry Rand Corp. Reference providing system for dirigible craft. 2,995,040, 8–8–61, Cl. 74—5.47.
Hammond, Albert J., to Ford Motor Co. Deck lid hinge. 2,986,769, 6–6–61, Cl. 16—138.
Hammond, Albert J., to Ford Motor Co. Torsion rod hinge. 2,986,770, 6–6–61, Cl. 16—180.
Hammond, Albert J., to Ford Motor Co. Hinge device. 2,994,907, 8–8–61, Cl. 16—128.1.
Hammond, Almerion J., to General Motors Corp. Automotive hood safety latch. 3,003,800, 10–10–61, Cl. 292—11.
Hammond, Charles D.: *See*—
Moore, Ezra L., and Hammond. 2,986,138.
Hammond, Charles F.: *See*—
Cassaday, Ernest W., Hammond, and Shropshire. 2,995,-012.
Hammond, Dale E., to Continental Can Co., Inc. Lift truck scrap loading attachment. 2,977,008, 3–28–61, Cl. 214—315.
Hammond, Earl G., and D. D. Deane, to Iowa State College Research Foundation, Inc. Cheese making process. 2,982,-654, 5–2–61, Cl. 99—116.
Hammond, Edmund B., Jr.: *See*—
Newton, George G., Jr., White, and Hammond. 2,968,997.
Hammond, Edmund B., Jr., to Sperry Rand Corp. Stabilized computing gun sight. 2,968,871, 1–24–61, Cl. 33—49.
Hammond, Gerald T.: *See*—
Oxley, Le Roy V., Blythe, Hammond, and Cagle. 3,003,-694.
Hammond, Hilton H.: *See*—
Knaub, Richard Z., and Hammond. 2,998,753.
Hammond, John H., Jr. Torpedo. 2,967,502, 1–10–61, Cl. 114—20.
Hammond, John H., Jr. Ship's course recorder. 2,972,741, 2–21–61, Cl. 343—5.
Hammond, John H., Jr., and E. L. Chaffee; said Chaffee assor. to said Hammond. Microwave telereconnaissance. 3,001,-187, 9–19–61, Cl. 343—6.
Hammond, John H., Jr., and E. L. Chaffee; said Chaffee assor. to said Hammond. Navigational course indicator. 3,001,-192, 9–19–61, Cl. 343—11.
Hammond, John S. Magnetic switch or valve operator. 3,008,018, 11–7–61, Cl. 200—87.
Hammond, Lee C.: *See*
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,857.
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,858.
Bass, Miles M., Bell, Hammond, and Robischung. 2,971,-296.
Bass, Miles M., Bell, Hammond, and Robischung. 3,012,-380.
Hammond, Lee C., to Hammond Machinery Builders, Inc. Machine tool. 2,968,897, 1–24–61, Cl. 51—263.
Hammond Machinery Builders, Inc.: *See*—
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,857.
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,858.
Bass, Miles M., Bell, Hammond, and Robischung. 2,971,-296.
Bass, Miles M., Bell, Hammond, and Robischung. 3,012,380.
Hammond, Lee C. 2,968,897.
Krueger, Edward C. 2,988,862.
Hammond, Milton B., and L. J. Herusovsky, to Rockwell-Standard Corp. Vehicle spring suspension and fluid pressure leveling device therefor. 2,970,847, 2–7–61, Cl. 280—124.
Hammond, Milton B., and G. B. Bowman, to Rockwell-Standard Corp. Electroplating. 2,989,446, 6–20–61, Cl. 204—41.

Hammond Organ Co.: *See*—
Hanert, John M. 2,967,447.
Hanert, John M. 2,972,273.
Meinema, Herbert E., and Canfield. 2,982,819.
Hammond, Roland P. Remote controls for plural locomotive units. 2,977,896, 4–4–61, Cl. 105—61.
Hammond, Wardlaw M., Jr., to The Martin Co. Acoustic transmitting array. 2,972,732, 2–21–61, Cl. 340—5.
Hammond, Wardlaw M., Jr., to The Martin Co. Radar method and apparatus for height and sea surface contour measurement. 2,979,715, 4–11–61, Cl. 343—12.
Hammond, Wardlaw M., Jr., to United States of America, Navy. Television writing pick-up systems. 2,986,596, 5–30–61, Cl. 178—5.6.
Hampden Specialty Products, Inc.: *See*—
Panicci, Richard L. 2,968,854.
Piker, Herbert. 3,009,738.
Hampl, Jan, to Meopta Prerov, narodni podnik. Cinematographic camera. 3,008,660, 11–14–61, Cl. 242—55.11.
Hamprecht, Guenther, H. Oertel, and M. Schwarzmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alkyl (alkoxy or aryloxy) aluminum halides. 2,969,384, 1–24–61, Cl. 260—448.
Hamprecht, Guenther, and H. Bellmuth, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Apparatus for storing or treating materials in the form of coarse pieces. 3,006,377, 10–31–61, Cl. 138—37.
Hampson, Edward A., to The Celotex Corp. Gypsum wallboard and process of manufacture. 2,991,825, 7–11–61, Cl. 154—1.25.
Hampton, Archie L., to United States Gypsum Co. Plaster composition. 2,980,548, 4–18–61, Cl. 106—111.
Hampton, Burt L., to The Glidden Co. Polymerization, condensation and refining of fatty acids. 2,978,468, 4–4–61, Cl. 260—407.
Hampton, Joseph E.: *See*—
Frederick, Leroy S. 3,001,303.
Hampton, Thomas C., and R. A. Mock, to The Dow Chemical Co. Hydrometallurgical separation of nickel, copper, and cobalt in ammoniacal solutions. 2,993,782, 7–25–61, Cl. 75—108.
Hampton, Thomas K.: *See*—
Porkert, Lloyd G. 3,004,493.
Hampton, William B., and P. M. Thomason, to C. J. Patterson Co. Dough piece retarder. 2,988,021, 6–13–61, Cl. 107—9.
Hampton, William F.: *See*—
Anderson, Edward E., Nelson, and Hampton. 3,003,881.
Hampton, William G.: *See*—
Rappaport, Sigmund, Bumas, and Hampton. 2,982,899.
Hampton, William L., to Cutler-Hammer, Inc. Thermal responsive resistance devices. 2,977,558, 3–28–61, Cl. 338—22.
Hamre, Hiram O., ½ to Mayme R. Hamre. Roller assembly transfer ramp. 2,979,178, 4–11–61, Cl. 193—35.
Hamre, Mayme R.: *See*—
Hamre, Hiram O. 2,979,178.
Hamrick, Jack: *See*—
Ball, Gaines L., and Hamrick. 2,969,579.
Hamrick, James C., to Jet Line Products, Inc. Method and apparatus for introducing lines through conduits. 3,006,607, 10–31–61, Cl. 254—134.4.
Hamrick, Joseph T.: *See*—
Anderson, Robert J., Hamrick, and Oppenheimer. 2,977,820.
Hamrick, Wellington. Earth boring implement. 2,969,844, 1–31–61, Cl. 175—130.
Hams, Anthony F.: *See*—
Stevenson, Herbert A., Marshall, and Hams. 2,980,668.
Hamshey, Paul S., Jr.: *See*—
Rummery, Frank O., Roseman, Appel, and Hamshey. 2,971,821.
Hamway, Edward G.: *See*—
Fisher, Earl M., and Hamway. 2,993,806.
Han, Shu-Tang: *See*—
Whitney, Roy P., Han, Bakken, and Kesler. 2,987,432.
Hanchett, Miles T.: *See*—
Damewood, Glenn, and Hanchett. 2,979,940.
Damewood, Glenn, and Hanchett. 2,997,124.
Hancock Brick and Tile Co., The: *See*—
Schumnk, John D., and Gilliland. 3,003,216.
Hancock, Edward P.: *See*—
Petzold, Howard J., and Hancock. 2,986,312.
Hancock, Harvey E. Stand for automobile engines and the like. 2,985,448, 5–23–61, Cl. 269—181.
Hancock Industries, Inc.: *See*—
Campbell, Ronald W. 2,980,460.
Campbell, Ronald W. 2,992,033.
Hancock, James E. Stabilizer for positive ejection mechanism for earth moving apparatus. 2,994,976, 8–8–61, Cl. 37—126.
Hancock, James E., and S. D. Fetters; said Fetters assor. to said Hancock. Positive ejection mechanism for earth moving apparatus. 2,988,832, 6–20–61, Cl. 37—129.
Hancock, John E., 1/10 to Gadget-of-the-Month Club, Inc. Combination anchor, reel, and housing for small boats. 2,973,918, 3–7–61, Cl. 242—99.
Hancock, John R.: *See*—
Autere, Reuben J., and Hancock. 3,012,841.
Hancock, Kenneth G., to Electro-Hydraulics Ltd. Tilting mast assemblies for fork lift trucks. 3,007,593, 11–7–61, Cl. 214—674.
Hancock, Stanley. Door straightening clamp. 2,982,321, 5–2–61, Cl. 144—297.
Hancock Telecontrol Corp.: *See*—
Kohler, Charles F., and McCurdy. 2,985,368.
Hancox, Burton W. Apparatus for drawing ellipses. 2,996,804, 8–22–61, Cl. 33—31.
Hancox, Burton W. Mechanical perspective device and kit. 2,998,654, 9–5–61, Cl. 33—77.
Hand, John J.: *See*—
Bullock, Milon W., and Hand. 2,990,410.
Hand, T. W., Fireworks Co. Ltd.: *See*—
Donaldson, James B. 3,000,304.
Handel, Neil E., and S. S. Sturgeon, to The Foxboro Co. Magnetic flowmeter syatem. 3,006,188, 10–31–61, Cl. 73—194.
Handel, Siegfried K., to The Mosler Safe Co. Selector switch for rotary files. 2,985,726, 5–23–61, Cl. 200—11.
Handelsbanken, Svenska: *See*—
Rost, Helge F., and Claesson. Re. 25,090.
Handforth, Stanley L., to United States of America, Atomic Energy Commission. Charging device. 2,975,912, 3–21–61, Cl. 214—17.
Handl, Egon. Dry binder and process for preparing the same. 2,995,454, 8–8–61, Cl. 106—77.
Handler, Alois: *See*—
Holler, Hermann. 2,997,915.
Höller, Hermann. 3,006,240.
Malek, Georg. 2,981,145.
Malek, Georg. 3,012,491.
Handler, Elliot, and J. W. Ryan. Swivel holster. 2,990,987, 7–4–61, Cl. 224—2.
Handler, Eugene H., to United States of America, Navy. Tilt float helicopter. 2,973,169, 2–28–61, Cl. 244—105
Handler, Frank. Sun visor. 2,999,718, 9–12–61, Cl. 296—97.
Handler, Milton E., and R. J. Bellon, to S. A. Hirsh Mfg. Co. Tray shelving. 2,982,423, 5–2–61, Cl. 211—136.
Handler, Wolfgang, and H.-O. Leilich, to Telefunken G.m.b.H. Arrangement for converting decimal numbers into binary numbers or vice versa. 3,008,638, 11–14–61, Cl. 235—155.
Handley, John, to Creed & Co. Ltd. Printing telegraph selector apparatus. 2,974,194, 3–7–61, Cl. 178—27.
Handley, John. Type printing apparatus. 2,980,227, 4–18–61, Cl. 197—20.
Handley, John, to Creed & Co. Ltd. Teleprinter clutches. 2,987,157, 6–6–61, Cl. 192—80.
Handley, John. Type printing telegraph apparatus. 2,993,957, 7–25–61, Cl. 178—33.
HanDman, Inc.: *See*—
Mundell, Ralph P. and R. E. 3,007,501.
Handschin, Walter. Lighting and signalling installation, in particular for motor vehicles. 2,980,783, 4–18–61, Cl. 200—156.
Handschumaker, Edward, and H. G. Hoyer, to Spencer Kellogg and Sons, Inc. Fluid shortening and method of making the same. 2,999,755, 9–12–61, Cl. 99—118.
Handshuh, Albert, and W. Malbaurn. Remote controlled gear shift. 2,987,656, 6–6–61, Cl. 317—190.
Handwerk, Erwin C., to American Metal Climax, Inc. Fractionating column with stepped trays. 2,983,493, 5–9–61, Cl. 261—109.
Handwerk, Erwin C., to American Metal Climax, Inc. Fractionating column. 2,983,494, 5–9–61, Cl. 261—110.
Handwerk, William B., and E. Sherrill, to M. J. Crose Mfg. Co., Inc. Apparatus for effecting an internally welded interconnection between pipe sections. 2,987,608, 6–6–61, Cl. 219—60.
Handwerk, William B., and E. Sherrill, to Crose-Perrault Equipment Corp. System and apparatus for interconnecting pipe sections by welding. 3,010,008, 11–21–61, Cl. 219—60.
Handy, Carleton T., and R. M. Joyce, to E. I. du Pont de Nemours and Co. Fluorocyclobutenyl acetylenes and homopolymers thereof. 3,004,960, 10–17–61, Cl. 260—89.7.
Handy & Harman: *See*—
Coxe, Charles D. 2,967,794.
Coxe, Charles D. 3,000,339.
Handzel, Edward, to Ru-Son Products Co. and J. Rubenstein & Sons. Hanker. 2,983,984, 5–16–61, Cl. 28—21.
Handzlik, Walter J., Jr., to Lyon Inc. Golf club. 2,991,082, 7–4–61, Cl. 273—164.
Haneberg, Richard H. Flat file hooded gas lighter. 2,999,376, 9–12–61, Cl. 67—6.1.
Haner, Lambert: *See*—
Parkinson, David B., Roberts, Haner, and Lepley. 2,990,535.
Hanert, John M., to Hammond Organ Co. Apparatus for translating electrical musical tone signals into sound. 2,967,447, 1–10–61, Cl. 84—1.26.
Hanert, John M., to Hammond Organ Co. Polyphonic percussion control apparatus. 2,972,273, 2–21–61, Cl. 84—1.26.
Hanes Hosiery, Inc.: *See*—
Colombo, Grace J. 2,985,314.
Hanes Hosiery Mills Co.: *See*—
Beamon, Howard L. 2,999,470.
Sheek, Richard B. 2,977,782.
Hanes, Robert H.: *See*—
Youngquist, Robert J., and Hanes. 3,013,206.
Hanes, Vaughan D., to Aerojet-General Corp. Propellant set bridging plug. 3,002,559, 10–3–61, Cl. 166—63.
Hanewinkel, Lorenz, to Zuse KG. Selector for selecting channels. 3,014,202, 12–19–61, Cl. 340—166.

Haney, Donald W., and C. S. Jackowski, to International Business Machines Corp. Record card punching machine. 3,002,677, 10–3–61, Cl. 234—64.

Haney, Stanley C., to Sinclair Refining Co. Process for the hydrogenation of a kerosene type fuel. 3,000,815, 9–19–61, Cl. 208—144.

Hanfland, John F.: *See*—
Eberhart, Ray, and Hanfland. 2,998,004.

Hanflig, Alan. Shoe clip. 3,000,067, 9–19–61, Cl. 24—87.

Hanford, William E., to Minnesota Mining and Mfg. Co. Process for the production of fluorine-containing compounds. 2,970,093, 1–31–61, Cl. 204—62.

Hanford, William E., J. W. Copenhaver, and H. R. Davis, Jr., to The M. W. Kellogg Co. Process for the preparation of phenylmercaptophenylamines and phenylmercaptonaphthylamines. 2,967,887, 1–10–61, Cl. 260—580.

Hanft, Charles J., and C. F. Jaeger, to United Aircraft Corp. Coil tester. 2,970,257, 1–31–61, Cl. 324—51.

Hanfwerke Füssen-Immenstadt Aktiengesellschaft: *See*—
Billiani, Eugen. 3,006,271.

Hanggi, George J., to Continental Oil Co. Constant force variable speed vibrator. 2,989,869, 6–27–61, Cl. 74—61.

Hanifan, William A.: *See*—
Crispell, Roger L., and Hanifan. 2,978,567.

Hanink, Dean K., to General Motors Corp. Method of alloying aluminum and copper. 2,970,091, 1–31–61, Cl. 204—38.

Hanink, Dean K., to General Motors Corp. Coating poppet valves. 3,004,864, 10–17–61, Cl. 117—102.

Hanink, Dean K., and A. A. Shoudy, Jr., to General Motors Corp. Method of electroplating aluminum. 2,971,899, 2–14–61, Cl. 204—29.

Hanink, Dean K., and E. R. Price, to General Motors Corp. Oxidation-resistant turbine blades. 3,000,755, 9–19–61, Cl. 117—51.

Hanink, Dean K., and J. C. Holzwarth, to General Motors Corp. Joining titanium and titanium-base alloys to high melting metals. 3,010,198, 11–28–61, Cl. 29—470

Hanisko, Joseph. Universal gauge. 3,011,780, 12–5–61, Cl. 269—166.

Hanje, Abe J.: *See*—
Hunter, Robert H., Hanje, and Smith. 3,001,573.
Hunter, Robert H., Hanje, and Smith. 3,002,551.

Hanje, Abe J., to R. H. Hunter. Hand pump. 2,985,359, 5–23–61, Cl. 230—190.

Hanke, Albert R., to E. I. du Pont de Nemours and Co. Process for improved dispersion of pigments in enamels. 2,967,841, 1–10–61, Cl. 260—22.

Hanke, Joseph. Lens supporting and positioning means. 2,999,426, 9–12–61, Cl. 88—51.

Hanken, George H., and D. L. Babcock, to Eastman Kodak Co. Self-threading mechanism for projectors. 2,983,416, 5–9–61, Cl. 226—91.

Hankins, Dale L., to The Bendix Corp. Cooling system. 2,984,994, 5–23–61, Cl. 62—457.

Hankins, James R. Scale and adaptor therefor. 2,974,940, 3–14–61, Cl. 265—73.

Hankison Corp.: *See*—
Hankison, Paul M., and Walker. 2,999,509.

Hankison, Paul M., and W. F. Walker, to Hankison Corp. Device for automatically valving liquid. 2,999,509, 9–12–61, Cl. 137—195.

Hanks, Charles W., C. D'A Hunt, and H. R. Smith, Jr., to Stauffer Chemical Co. Continuous vacuum casting process. 2,997,760, 8–29–61, Cl. 22—200.1.

Hanks, Charles W., to Stauffer Chemical Co. Electron beam generation. 2,994,801, 8–1–61, Cl. 315—14.

Hanks, Frederick W. Fluid meters. 2,972,886, 2–28–61, Cl. 73—258.

Hankus, Chester P., 10% to P. Van Beek, 10% to T. Hankus, and 15% to K. T. Snow. Packaging device for artificial Christmas tree. 2,996,181, 8–15–61, Cl. 206—65.

Hankus, Theodore: *See*—
Hankus, Chester P. 2,996,181.

Hänlein, Walter: *See*—
Müller, Hans J. and Hänlein. 2,993,301.

Hanlein, Walter, and U. Birkholz, to Siemens-Schuckertwerke Aktiengesellschaft. Method of joining thermoelectric components. 2,978,570, 4–4–61, Cl. 219—85.

Hanlet, Jacques M., to Lear, Inc. Process of forming an electroluminescent article and the resulting article. 3,009,834, 11–21–61, Cl. 117—215.

Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Method for making diodes and products resulting therefrom. 2,983,631, 5–9–61, Cl. 117—200.

Hanlet, Jacques M. N. to J. Visseaux, S.A. Method of manufacturing printed electrical windings. 3,011,247, 12–5–61, Cl. 29—155.5.

Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Sound powered telephones. 3,012,107, 12–5–61, Cl. 179—115.5.

Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Infra-red responsive device. 3,015,034, 12–26–61. Cl. 250—211.

Hanley, George P.: *See*—
Frick, Charles H., Hanley, and Schwartz. 3,014,475.

Hanley, William L. Tunnel kiln firing section. 2,991,535, 7–11–61, Cl. 25—142.

Hanlon and Goodman Co.: *See*—
Hovorka, Jiri. 2,979,362.
Hovorka, Jiri. 3,013,364.

Hanlon, Joseph F.: *See*—
Zackheim, Eli A., Meares, and Hanlon. 2,967,651.

Hanmer, Robert S., to Phillips Petroleum Co. Carbon black-rubber masterbatch production. 2,979,481, 4–11–61, Cl. 260—41.5.

Hanmer, Robert W., and W. C. Rosener, to The National Cash Register Co. Adjustable head mounting device. 2,997,360, 8–22–61, Cl. 346—74.

Hann, Arthur, H. R. Legge, and F. A. Richards, to Hunting Engineering Ltd. Machines. 2,999,938, 9–12–61, Cl. 250—202.

Hann, Melvin M., to Sundstrand Corp. Drive for refrigeration systems or the like. 2,986,896, 6–6–61, Cl. 62—134.

Hanna, Carter M. Heated baton. 3,007,468, 11–7–61, Cl. 126—208.

Hanna, Clinton R., to Westinghouse Electric Corp. Vehicle stabilizer, tilter and leveling means. 2,976,052, 3–21–61, Cl. 280—112.

Hanna, Clinton R., to Westinghouse Electric Corp. Sprung mass movement sensing means for vehicle stabilizer. 3,013,810, 12–19–61, Cl. 280—124.

Hanna, Edward. Key holder. 3,006,182, 10–31–61, Cl. 70—456.

Hanna Engineering Works: *See*—
Ellis, John T., Jr. 2,968,284.
Ellis, John T., Jr. 2,992,815.

Hanna, James A., to General American Transportation Corp. Method of erecting floating roofs. Re. 24,997, 6–6–61, Cl. 29—429.

Hanna, M. A., Co., The: *See*—
Kuntz, Robert S. 2,974,793.

Hanna, Paul W. Standard assembly for installing a lamp fixture. 2,983,474, 5–9–61, Cl. 248—161.

Hanna, Ralph, to Midland-Ross Corp. Dew point determining method and apparatus. 2,987,918, 6–13–61, Cl. 73—336.5.

Hanna, Robert P. Whip stock locking and releasing apparatus. 2,978,032, 4–4–61, Cl. 166—117.5.

Hannafin, Jerome J. Horizontal release for cameras. 2,982,194, 5–2–61, Cl. 95—53.

Hannaford, Bruce A., R. Rosenberg, C. L. Segaser, and C. L. Terry, to United States of America, Atomic Energy Commission. Sampling system. 2,968,183, 1–17–61, Cl. 73—421.

Hannaford, Alf., & Co. Ltd.: *See*—
Hannaford, Alfred. 3,007,576.

Hannaford, Alfred, to Alf. Hannaford & Co. Ltd. Rotating screen separator. 3,007,576, 11–7–61, Cl. 209—296.

Hannagan, Gerald C., of small percentages to various assignees. Crop thinner. 2,980,190, 4–18–61, Cl. 172—58.

Hannah, Kenneth W., to United States of America, Navy. Electrolytic oscillator. 2,995,714, 8–8–61, Cl. 331—107.

Hannah, Malcolm D.: *See*—
French, Ernest J., and Hannah. 2,989,618.

Hannas, Carl L. Swing. 3,011,825, 12–5–61, Cl. 297—245.

Hannauer, George, Jr., to Johnson & Johnson. Packaged adhesive bandage. 2,969,145, 1–24–61, Cl. 206—63.2.

Hanneken, Dietrich V. Antenna for both horizontally and vertically polarized waves. 2,982,959, 5–2–61, Cl. 343—724.

Hanneken, Henry P., to Pittsburgh Plate Glass Co. Supporting glass sheets. 3,008,752, 11–14–61, Cl. 294—118.

Hannigan, Joseph E.: *See*—
Stanwick, Tad, Hamilton, and Hannigan. 2,973,174.

Hanni-Werke Korber & Co. K.G.: *See*—
Harte, Heinz, and Koch. 3,010,576.
Rudszinat, Willy, and Schubert. 3,010,261.

Hannon, Cyril H., to General Electric Co. Bronze alloys containing iron. 3,000,733, 9–19–61, Cl. 75—162.

Hannon, Donald F., to Laminators Inc. Identification card. Re. 25,005, 7–4–61, Cl. 40—2.2.

Hannon, Donald F., to Laminators, Inc. Identification card. 2,984,030, 5–16–61, Cl. 40—2.2.

Hannon, Warren W., to Dit-Mco. Inc. Electrical circuit analyzer. 2,987,673, 6–6–61, Cl. 324—73.

Hannon, Warren W., to Dit-Mco, Inc. Electrical switch apparatus. 2,983,802, 5–9–61, Cl. 200—104.

Hannoosh, Mitchell M., L. P. Farnsworth, T. F. King, and F. G. De Santis, to United States of America, Air Force. Terminal fittings and interlocking devices. 3,002,590, 10–3–61, Cl. 189—1.

Hannum, William B., Jr. Reduction apparatus. 2,981,489, 4–25–61, Cl. 241—275.

Hanot, William, and J. E. Davis, to Northwestern Glass Co. Multi-function bottle gaging apparatus. 3,012,665, 12–12–61, Cl. 209—80.

Hanrahan, William I.: *See*—
Ficker, Charles L., and Hanrahan. 2,997,197.

Hansberg, Fritz. Machine for forming foundry cores and charging core boxes with molding sand. 2,978,759, 4–11–61, Cl. 22—10.

Hansberg, Fritz. Foundry machines for filling molds with sand. 2,983,971, 5–16–61, Cl. 22—36.

Hanseatische Motoren-Gesellschaft m.b.H.: *See*—
Werner, Günther. 3,012,288.
Werner, Günther, and Basler. 2,983,456.

Hansel, Grant, Jr., to General Electric Co. Hard surface metal structure. 2,994,125, 8–1–61, Cl. 29—194.

Hansel, Otto. Apparatus for packing small objects, especially chocolate bodies, candies, or the like. 2,987,862, 6–13–61, Cl. 53—234.

Hansel, Sydney: *See*—
Riches, Denis G., and Jorgensen. 3,000,578.

Hansell, Ulf G., to Minneapolis-Honeywell Regulator Co. Method of polarizing transducers. 2,983,988, 5–16–61, Cl. 29—25.35.

Hansen, Albert B. A.: *See*—
Hartmann, Louis M., and Hansen. 2,986,211.
Hansen, Bendt H., and J. W. Barden. Vertical axis propeller mechanism. 2,971,583, 2–14–61, Cl. 170—148.
Hansen, Calvin F., and J. D. Salisbury, to United States of America, Atomic Energy Commission. Automatic frequency control system. 2,968,007, 1–10–61, Cl. 331—11.
Hansen, Charles F. Rope unraveling means. 2,995,886, 8–15–61, Cl. 57—2.3.
Hansen, Charles F. Means for recoring wire rope. 3,009,307, 11–21–61, Cl. 57—3.5.
Hansen, Christian A., Jr.: *See*—
Alliston, John W., Hansen, Nix, and Riggs. 2,985,581.
Hansen, Clarence E., to Whirlpool Corp. Vacuum cleaner structure. 2,975,461, 3–21–61, Cl. 15—327.
Hansen, Clarence E., to Whirlpool Corp. Vacuum cleaner. 2,978,732, 4–11–61, Cl. 15—323.
Hansen, Dennis W.: *See*—
Breen, Leonard G., Hansen, and Peham. 2,985,978.
Hansen, Ernest. Sliding window construction. 3,003,200, 10–10–61, Cl. 20—52.1.
Hansen, Everett K., and A. J. Petersen, to Rae Motor Corp. Electric motor brush holder. 2,984,758, 5–16–61, Cl. 310—239.
Hansen, Franklin A.: *See*—
Erickson, Norris L., and Hansen. 2,987,218.
Hansen, Fred T. Floatatively mounted lift fork. 2,089,201, 6–20–61, Cl. 214—652.
Hansen, Friedrich. Rotating bands for projectiles and methods for making the same. 2,979,810, 4–18–61, Cl. 29—182.
Hansen, Friedrich. Iron powder for making sintered iron articles. 2,994,600, 8–1–61, Cl. 75—.5.
Hansen, George F., to Fawn Fabricators Inc. Material bending machine with roll bar. 3,009,201, 11–21–61, Cl. 18—19.
Hansen, Gerhard, to Carl Zeiss. Method and means for automatically adjusting a measuring or observation instrument. 2,969,707, 1–31–61, Cl. 88—14.
Hansen, Gilbert H., deceased, by H. R. Hansen, administratrix, to Furnas Electric Co. Terminal assembly. 2,973,503, 2–28–61, Cl. 339—198.
Hansen, Gotfred. Combined fishing rod holders and signal device means. 3,012,354, 12–12–61, Cl. 43—17.
Hansen, Gunnar: *See*—
Pike, S. Sidney, and Hansen. 2,985,975.
Hansen, Gunnar L., to Danfoss ved ingenior Mads Clausen. Oil pressure controlled fuel valve, preferably for oil burners. 3,011,507, 12–5–61, Cl. 137—116.
Hansen, Hans C. Magazine phonographs. 2,981,053, 4–25–61, Cl. 274—10.
Hansen, Hans C. Sound reproducing systems. 2,988,366, 6–13–61, Cl. 274—36.
Hansen, Hans C. Automatic phonographs. 2,989,313, 6–20–61, Cl. 274—15.
Hansen, Hans C. Record feeding arrangement by the tone arm. 3,005,636, 10–24–61, Cl. 274—10.
Hansen, Hans C. Phonograph trigger mechanisms. 3,010,724, 11–28–61, Cl. 274—10.
Hansen, Hans E., to Westinghouse Electric Corp. Moving stairway. 2,981,397, 4–25–61, Cl. 198—16.
Hansen, Hans H.: *See*—
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Hansen, Hans H. Road fence. 2,969,223, 1–24–61, Cl. 256—13.1.
Hansen, Harold V.: *See*—
Oehler, William P., and Hansen. 2,975,841.
Oehler, William P., and Hansen. 2,975,844.
Oehler, William P., and Hansen. 2,979,136.
Hansen, Harold V., to Deere & Co. Drive mechanism for planters. 2,996,926, 8–22–61, Cl. 74—13.
Hansen, Harry. Method and apparatus for use in the production of a helical row of coupling links. 2,973,554, 3–7–61, Cl. 18—19.
Hansen, Helen R.: *See*—
Hansen, Gilbert H. 2,973,503.
Hansen, Henry J., Jr.: *See*—
Burquist, William A., and Hansen. 2,997,372.
Hansen, Herman E., to Congoleum-Nairn Inc. Form piece for countertop back splash. 2,980,477, 4–18–61, Cl. 311—107.
Hansen, Herman E., to Congoleum-Nairn, Inc. Counter construction. 2,981,580, 4–25–61, Cl. 311—106.
Hansen, Herman E., and R. K. Austin, to Congoleum-Nairn Inc. Articulated shaping tool for pressing sheet material onto a counter surface. 3,000,428, 9–19–61, Cl. 154—1.
Hansen, Howard C., to Utility Body Co. Portable derrick. 2,996,195, 8–15–61, Cl. 212—8.
Hansen, J Richard, to United States of America, Air Force. Control of photoemission. 2,999,184, 9–5–61, Cl. 315—10.
Hansen, John: *See*—
Irvin, Dee L. V. 2,997,823.
Hansen, John. Multiple-blade hone. 2,997,824, 8–29–61, Cl. 51—246.
Hansen, John. Hone apparatus for bread slicing machines and the like. 2,997,825, 8–29–61, Cl. 51—246.
Hansen, John. Softness gage for bakery products. 2,975,631, 3–21–61, Cl. 73—81.
Hansen, John A.: *See*—
Riedel, Kurt A., and Hansen. 3,010,371.
Hansen, John A., and K. A. Riedel, to Kearney & Trecker Corp. Automatic speed change mechanism. 2,992,565, 7–18–61, Cl. 74—346.
Hansen, John E., to E. I. du Pont de Nemours and Co. Stabilizing polyamides. 3,009,900, 11–21–61, Cl. 260—45.75.
Hansen, John H.: *See*—
Couch, Albert H., and Hansen. 2,992,514.
Hansen, Kaare, and E. J. Knutsen. Developing device for films. 2,990,128, 6–27–61, Cl. 242—77.1.
Hansen, Kai H.: *See*—
Bertsch, Joseph F., and Hansen. 2,978,256.
Bertsch, Joseph F., and Hansen. 2,983,506.
Hansen, Kai H., to General Motors Corp. Motor vehicle. 2,988,162, 6–13–61, Cl. 180—73.
Hansen, Kenneth R., to Colgate-Palmolive Co. Shampoo composition. 3,001,949, 9–26–61, Cl. 252—153.
Hansen, Knut B.: *See*—
Wennerberg, Fritz J., and Hansen. 2,981,274.
Hansen, Leo R., and A. L. Wolf. Building structure. 3,009,211, 11–21–61, Cl. 20—1.13.
Hansen, Leon F. Door latch. 2,970,856, 2–7–61, Cl. 292—173.
Hansen, Lester A., J. H. Baker, and E. J. Keyes, to Norton Co. Manufacture of coated abrasives. 2,970,929, 2–7–61, Cl. 117—17.
Hansen, Louis J., and R. E. Traver. Finishing wheel for shoe machinery. 3,014,317, 12–26–61, Cl. 51—194.
Hansen, Lyle A.: *See*—
Straight, Lee H., and Hansen. 3,004,499.
Hansen, Omar, Jr.: *See*—
Clanin, Richard D., and Hansen. 2,999,344.
McVicker, Robert F., and Hansen. 3,005,631.
Hansen, Paul B., and S. C. Rogers, to Kimberly-Clark Corp. Stereotype mat. 3,001,899, 9–26–61, Cl. 154—46.
Hansen, Paul E., and R. J. Oace, to Minnesota Mining and Mfg. Co. Grass-growing fabric. 2,976,645, 3–28–61, Cl. 47—56.
Hansen, Quinten A. Fluid pressure operated clutch having an integral and non-rotatable cylinder and piston assembly. 3,011,608, 12–5–61, Cl. 192—85.
Hansen, Siegfried, to Hughes Aircraft Co. Star-tracking system. 2,981,843, 4–25–61, Cl. 250—203.
Hansen, Wray C. Retaining spring fastener. 2,968,504, 1–17–61, Cl. 287—53
Hansen, Richard, to The Oklahoma Publishing Co. Zinc plate former. 2,990,001, 6–27–61, Cl. 153—54.
Hansen, Siegfried, to Litton Systems, Inc. Plasma accelerators. 2,992,345, 7–11–61, Cl. 313—63.
Hansen, Wilbur W., to Armour Research Foundation of Illinois Institute of Technology. Inspection system and method. 2,994,032, 7–25–61, Cl. 324—37.
Hansen's, Chr., Laboratory, Inc.: *See*—
Dan, Hans E. 2,992,167.
Hanserd, James M. Safety elevation switch for tractors. 2,986,616, 5–30–61, Cl. 200—61.52.
Hansford, Reginald F., and E. Parker, to The Decca Record Co. Ltd. Radar systems. 3,000,007, 9–12–61, Cl. 343—5.
Hansford, Rowland C., and A. E. Kelley, to Union Oil Co. of California. Production of high-octane gasolines. 3,008,895, 11–14–61, Cl. 208—68.
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Hansing, Ronald F., to Miles Laboratories, Inc. Flexible chute. 2,982,386, 5–2–61, Cl. 193—25.
Hansjosten, Nikolaus. Shoes. 2,973,557, 3–7–61, Cl. 18—34.
Hansjosten, Nikolaus. Molds for the production of shoes. 3,014,244, 12–26–61, Cl. 18—34.
Hansley, Virgil L.: *See*—
Kaneko, Thomas M., and Hansley. 3,004,912.
Hansley, Virgil L., S. Schott, and J. J. McSharry, to National Distillers and Chemical Corp. Method of making titanium and zirconium alloys. 3,004,848, 10–17–61, Cl. 75—135.
Hanslip, Charles W. Well screen device. 2,985,241, 5–23–61, Cl. 166—230.
Hanslip, Richard E., to The Mather Spring Co. Torsion spring. 2,983,505, 5–9–61, Cl. 267—57.
Hanson, Alden W. Method of generating snow. 2,968,164, 1–17–61, Cl. 62—74.
Hanson, Alden W., and J. S. Best, to The Dow Chemical Co. Polymerization method. 2,989,517, 6–20–61, Cl. 260—93.5.
Hanson, Allan W., and D. E. Kreinheder, to Hughes Aircraft Co. Waveguide hybrid structure. 2,973,487, 2–28–61, Cl. 333—11.
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Zorn, Ralph A., Malzahn, and Hanson. 2,985,534.
Hanson, Casper F.: *See*—
Solem, Thor L. C., and Hanson. 2,971,318.
Hanson, Donald E. Angle trisector. 3,008,236, 11–14–61, Cl. 33—1.
Hanson, Donald E., and M. K. Ormsbee, to A. B. Dick Co. Photochemical stencil and method for manufacture. 2,969,014, 1–24–61, Cl. 101—128.3.
Hanson, Donald N.: *See*—
Hunt, Charles d'A., and Hanson. 3,004,628.
Hanson, Ellis P.: *See*—
Grea, Rene A., Hanson, Higonnet, and Moyroud. 2,988,276.
Higonnet, Rene A., Moyroud, and Hanson. 2,999,434.
Hanson, Estyle D., to Western Electric Co., Inc. Device for holding and separating a plurality of apertured plates having wire terminals in the apertures thereof. 3,004,334, 10–17–61, Cl. 29—203.

Hanson, Estyle D., to Western Electric Co., Inc. Device for indexing, guiding and severing a plurality of wires. 3,004,565, 10–17–61, Cl. 140—71.

Hanson, Henry L., to Minneapolis-Honeywell Regulator Co. Analog to digital converter apparatus. 2,975,411, 3–14–61, Cl. 340—347.

Hanson, J. C. Material dispensing apparatus. 2,980,298, 4–18–61, Cl. 222—182.

Hanson, James S., to The Fairbanks Co. Polyester molding composition. 2,981,713, 4–25–61, Cl. 260—40.

Hanson, James S., to International Business Machines Corp. Method of forming crystals. 2,988,433, 6–13–61, Cl. 23—301.

Hanson, Lavern W. Airfoil construction. 2,968,456, 1–17–61, Cl. 244—123.

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Hanson, Melvin A., to National Lead Co. Lubricating pad for railway journal bearings. 2,992,867, 7–18–61, Cl. 308—88.

Hanson, Merlyn L., and C. D. Tabor, Jr., to United States of America, Atomic Energy Commission. Automatic mass spectrometer. 3,012,139, 12–5–61, Cl. 250—41.9.

Hanson, Morgan P., to United States of America, Navy. Turbo-machine blade vibration damper. 2,997,274, 8–22–61, Cl. 253—77.

Hanson, Reginald W. A.: *See*—
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Hanson, Roy R., and E. A. Braden, ⅛ to W. H. Anderson, ¼ to J. H. Schierman, and ¼ to G. A. Blase. Space coolers. 3,001,384, 9–26–61, Cl. 62—499.

Hanson, Theodore L.: *See*—
Bookout, Floyd V., Hanson, and McBride. 2,980,224.

Hanson-Van Winkle-Munning Co.: *See*—
Foulke, Donald G., Kardos, and Koretzky. 3,002,902.
Foulke, Donald G., Kardos, and Koretzky. 3,002,903.
Foulke, Donald G., Kardos, and Koretzky. 3,002,904.
Foulke, Donald G., Stoddard, Kardos, and Kleiner. 2,976,225.

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Hanson, Walter J.: *See*—
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Hanson, Walter J., and R. E. Schmeck, to Pitney-Bowes, Inc. Document feeding apparatus. 2,977,114, 3–28–61, Cl. 271—32.

Hanson, Walter J., and R. E. Schmeck, to Pitney-Bowes, Inc. Document feeding, sorting and stacking device. 3,008,576, 11–14–61, Cl. 209—74.

Hanson, Warren A., to Whirlpool Corp. Refrigerating apparatus having frost-eliminating means. 2,994,208, 8–1–61, Cl. 62—186.

Hanssen, Albert J., to Black, Sivalls & Bryson, Inc. Pneumatically operated control mechanism. 2,984,260, 5–16–61, Cl. 137—786.

Hanssmann, Walter, to Fa. Friedrich Rambold K.G. Apparatus for hardness testing. 2,991,648, 7–11–61, Cl. 73—81.

Hansson, Nils, and J. R. Wynne; said Hansson assor. to AB Penta. Boat steering means including a swingable and tiltable outboard unit. 3,006,311, 10–31–61, Cl. 115—35.

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Hantscho, George, to George Hantscho Co. Inc. Method and apparatus for applying cover material to book cores and cases. 2,970,634, 2–7–61, Cl. 154—1.8.

Hantscho, George. Printing press rollers. 2,973,710, 3–7–61, Cl. 101—415.1.

Hantscho, George, Co. Inc.: *See*—
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Hany, Eduard, to Hany & Cie. Gas tight electric conductor mounting. 2,996,568, 8–15–61, Cl. 174—152.

Happe, Reynold, to The Singer Mfg. Co. Portable belt-driven tools with detachable motors. 2,968,187, 1–17–61, Cl. 74—216.5.

Happe, Reynold, to The Singer Mfg. Co. Composite air-directing and heat-dissipating gear housings. 2,989,995, 6–27–61, Cl. 143—157.

Happe, Reynold, and J. P. Felix, to The Singer Mfg. Co. Control handle assembly for lawn tool. 2,975,257, 3–14–61, Cl. 200—157.

Happe, Wilhelm: *See*—
Hartmann, Adolf, Happe, and Gattys. 2,989,363.

Happel, John, and C. J. Marsel. Process for manufacture of acetylenic alcohols. 2,987,557, 6–6–61, Cl. 260—638.

Happel, John, C. J. Marsel, and A. A. Reidlinger. Synthesis of cyanoacetylene. 3,006,948, 10–31–61, Cl. 260—465.9.

Happel, William E.: *See*—
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Happer, William R. A. Article display apparatus. 2,986,019, 5–30–61, Cl. 62—250.

Happich, William F.: *See*—
Windus, Wallace, Filachione, and Happich. 2,992,879.

Hara, Raymond H., to General Motors Corp. Flame pulsation suppressor for inshot gas burners. 2,979,126, 4–11–61, Cl. 158—116.

Hara, Shuichiro: *See*—
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Haraden, George A., to United States of America, Navy. Projectile nose structure. 3,005,407, 10–24–61, Cl. 102—70.2.

Harasek, Richard J., to Motorola, Inc. Radio receiver. 2,991,356, 7–4–61, Cl. 250—16.

Harasek, Richard J., to Motorola, Inc. Electronic circuit. 3,013,149, 12–12–61, Cl. 250—20.

Harbage, Robert P., and E. J. Haupt, to Avco Mfg. Corp. Hay conditioner. 2,997,834, 8–29–61, Cl. 56—1.

Harbaugh, Ross L., to Inland Steel Co. Corrosion protection for zinc-surfaced and aluminum-surfaced articles. 2,989,418, 6–20–61, Cl. 117—70.

Harbers, Henry C., and D. R. Merchant, to Challenge-Cook Bros., Inc. Tail gate latch-operating mechanism for tilting dumping vehicles. 2,983,548, 5–9–61, Cl. 298—23.

Harbers, Henry C., and B. C. Hamlet, to Western Unit Corp. Vehicle spring connector. 2,991,993, 7–11–61, Cl. 267—30.

Harbers, Henry C., and B. C. Hamlet, to Western Unit Corp. Drawbar hinge for truck trailers and the like. 2,996,313, 8–15–61, Cl. 280—485.

Harberts, Richard D. Method of and means for strengthening the wheel hub units of vehicles. 2,969,256, 1–24–61, Cl. 301—9.

Harbicht, Earl: *See*—
Sweet, Ralph, and Harbicht. 2,982,363.

Harbin, Raymond H.: *See*—
Arnold, Orlan M., and Harbin. 2,982,723.

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Keller, John D. 2,994,288.
Kivala, Walter J., and Mason. 2,991,736.
Miller, Eldon D., Jr. 3,008,842.
Myers, William H., Leeper, and Goffman. 3,009,504.
Renkey, Albert L. 2,971,240.
Snellman, Roger. 2,997,008.
Tate, Carl A. 2,974,374.

Harbison, Wallace F., and D. D. Miller, to General Dynamics Corp. Fastener means with nut member having pilot portion for aligning holes in panels. 2,991,816, 7–11–61, Cl. 151—41.7.

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Harbor Metal Products Corp.: *See*—
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Klein, Elias, Stanonis, and Harbrink. 2,990,234.

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Harcum, William M., and E. D. Watson, to Aircraft Products Co. Pneumatic modulator responsive to differential pressure. 3,003,513, 10–10–61, Cl. 137—82.

Hard, Charles G., to Hard-Lowe Co. Method of replenishing lost copper from a copper catalyst solution. 3,006,862, 10–31–61, Cl. 252—415.

Hard-Lowe Co.: *See*—
Hard, Charles G. 3,006,862.

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Hardaway, Sallie G.: *See*—
Hardaway, Irvy W., and S. G., and Shackelford. 2,966,762.

Hardcastle, Glenn A., Jr.: *See*—
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Robins, John W., and Hardegen. 3,004,546.

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Mahaffy, Reid A., and Harder. 2,993,597.
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Harder, Samuel W.: *See*—
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Millar, John F., Harder, and Findlay. 2,991,226.

Harders, Fritz, to Dortmund-Hörder Huttenunion Aktiengesellschaft. Process for desulphurising pig- and cast-iron melts. 2,967,768, 1–10–61, Cl. 75—49.

Hardesty, Ethridge E., ½ to R. E. Lazarus. Lined pressure vessel. 2,988,240, 6–13–61, Cl. 220—3.

Hardesty, George K. C. Compatible electroluminescent-incandescent panel display. 2,982,039, 5–2–61, Cl. 40—130.
Hardgrave, Everett J., Jr., to United States of America, Navy. Device for measuring mach number. 2,995,932, 8–15–61, Cl. 73—212.
Hardgrave, Everett J., Jr., to United States of America, Navy. Subsonic-supersonic streamlined leading edge or cowl lip. 3,008,291, 11–14–61, Cl. 60—35.6.
Hardgrave, Everett J., Jr., and F. A. Dean, to United States of America, Navy. Ramjet diffuser. 2,998,702, 9–5–61, Cl. 60—35.6.
Hardgrove, James F., to Universal Products Corp. Finger-supported dental tray. 2,970,379, 2–7–61, Cl. 32—1.
Hardies, Donald E., N. Kornblum, and J. W. Powers, to Purdue Research Foundation. Process for the preparation of organic nitro compounds. 3,014,972, 12–26–61, Cl. 260—644.
Hardigan, Robert J.: *See*—
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Hardin, David W.: *See*—
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Hardin, N. A.: *See*—
Brandon, Clarence W. 3,006,154.
Hardin, Woodward A. Portable seat or the like. 2,991,842, 7–11–61, Cl. 182—187.
Harding, Arthur J. I., to Woodlyn Corp. Dyeing of normal wool. 2,999,731, 9–12–61, Cl. 8—54.
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Harding, William R., to General Motors Corp. Adjustable linkage. 3,013,437, 12–19–61, Cl. 74—96.
Hardison, John A., to Minneapolis-Honeywell Regulator Co. Supporting device. 2,992,788, 7–18–61, Cl. 242—68.3.
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Hardman, Albert F., to The Goodyear Tire & Rubber Co. Stabilization of organic compositions with metal deactivators. 3,010,912, 11–28–61, Cl. 252—405.
Hardway, Edward V., Jr., to Robertshaw-Fulton Controls Co. Acceleration responsive device. 2,986,615, 5–30–61, Cl. 200—61.45.
Hardway, Roy L. Model airplane control unit. 3,014,719, 12–26–61, Cl. 272—31.
Hardwick, William A.: *See*—
Hoffmann, Harrison A., Hardwick, and Seeley. 3,013,948.
Hardwick, William H.: *See*—
Grummitt, William E., and Hardwick. 2,967,209.
Hardy, Albert L., and T. T. Woodson, to General Electric Co. Waste disposal apparatus. 2,970,777, 2–7–61, Cl. 241—46.
Hardy, Arthur C., P. J. Fopiano, and M. B. Trageser, to Research Corp. Polarimeter. 2,974,561, 3–14–61, Cl. 88—14.
Hardy, Austin E.: *See*—
Royce, Martin R., and Hardy. 2,972,075.
Hardy, Austin E., to Radio Corp. of America. Tri-color phosphor screens of the mosaic variety. 2,991,383, 7–4–61, Cl. 313—92.
Hardy, Charles R.: *See*—
Honey, Eric M. O'C., Hardy, and Sharp. 2,984,869.
Hardy, Edgar E., to Mobay Chemical Co. Surfacing process for isocyanate foam and product. 2,994,110, 8–1–61, Cl. 18—59.
Hardy, Elbert C. Hand reel. 3,006,574, 10–31–61, Cl. 242—96.
Hardy, Gordon W. Cable and tube anchor. 2,968,851, 1–24–61, Cl. 24—135.
Hardy, Harry R.: *See*—
Givens, John H., Hardy, and Tyler. 3,001,851.
Hardy, James W., and R. F. Lo Presti, to Goodman Mfg. Co. Flexible strand sideframe conveyor and controlled flexible troughing idler assembly therefor. 2,983,363, 5–9–61, Cl. 198—192.
Hardy, Laurence D. Method of cutting pressure-sensitive paper and apparatus used in conjunction therewith. 3,009,375, 11–21–61, Cl. 83—29.
Hardy, Paul W.: *See*—
Gotsch, Lenard P., and Hardy. 2,991,544.
Hardy Spicer Ltd.: *See*—
Rabson, Edward J. 2,980,209.
Hardy, Thomas A. Disposable wrapper for cooking food. 2,999,452, 9–12–61, Cl. 99—402.
Hardy, William B.: *See*—
Scalera, Mario, Tomcufcik, and Hardy. 2,967,863.
Von, Isaiah, and Hardy. 2,993,901.
Hardy, William B., W. S. Forster, and R. A. Coleman, to American Cyanamid Corp. 2,2'-dihydroxy-4-alkoxybenzophenones as ultraviolet light absorbers for resins. 2,976,259, 3–21–61, Cl. 260—45.95.
Hardy, William B., and I. Von, to American Cyanamid Co. New benzanthrone anthraquinone acridine vat dyes. 3,004,029, 10–10–61, Cl. 260—274.
Hardy, William B., and F. H. Adams, to American Cyanamid Co. Substituted phthalide diisocyanates. 3,004,038, 10–10–61, Cl. 260—343.4.
Hare, Donald G. C., to United States of America, Navy. Training aid system for wave detection equipment. 2,991,562, 7–11–61, Cl. 35—10.4.
Hare, Donald G. C., to Sangamo Electric Co. Vacuum friction pad for tape recorders. 2,994,489, 8–1–61, Cl. 242—75.2.
Hare, Richard C., to Dynex, Inc. Slide plate type volume control valve. 2,998,828, 9–5–61, Cl. 137—625.25.
Hare, Robert G., to Hartford Gun Choke Co., Inc. Automatic choke device for shotguns. 2,989,815, 6–27–61, Cl. 42—79.
Hare, Weston A., and H. L. White, to E. I. du Pont de Nemours and Co. Solution of wholly aromatic polyamides in liquid organic amine solvents. 2,989,495, 6–20–61, Cl. 260—29.2.
Harendza-Harinxma, Alfred, to Western Electric Co., Inc. Magnetic cores and methods of making the same. 2,977,263, 3–28–61, Cl. 148—104.
Harendza-Harinxma, Alfred, to Western Electric Co., Inc. Magnetic cores and methods of making the same. 3,014,825, 12–26–61, Cl. 148—104.
Haresnape, John N.: *See*—
Stalley, John C., Haresnape, and Turner. 2,998,393.
Harford, Edward F., to E. I. du Pont de Nemours and Co. Making paper from tetrafluoroethylene polymers. 3,003,912, 10–10–61, Cl. 162—157.
Hargis, Charles W.: *See*—
Young, Howard S., Hargis, and Reynolds. 3,004,020.
Hargis, Irvin. Mine fly pad. 3,006,267, 10–31–61, Cl. 98—50.
Hargreaves, Robert H., to James Walker & Co. Ltd. Industrial mat. 2,975,089, 3–14–61, Cl. 154—49.
Hargreaves, William V., and L. A. Durgin, to Fairchild Camera and Instrument Corp. Automatic tone decoder. 2,980,794, 4–18–61, Cl. 250—6.
Harian, Kent, to La France Carpets, Inc. Cutting device. 2,966,742, 1–3–61, Cl. 30—314.
Harian, Kent, to La France Carpets, Inc. Applicators for adhesives. 2,972,773, 2–28–61, Cl. 15—560.
Haring, Horace E., to Bell Telephone Laboratories, Inc. Electric batteries. 2,988,587, 6–13–61, Cl. 136—90.
Haring, Horace E., to Bell Telephone Laboratories, Inc. Manufacture of silver chloride electrodes. 3,006,821, 10–31–61, Cl. 204—38.
Haring, Horace E., to Bell Telephone Laboratories, Inc. Electrodes and cells containing them. 3,007,993, 11–7–61, Cl. 136—100.
Haring, Ivan P., 25% to E. A. Kruse, 25% to H. T. Tellepsen, and 15% to H. C. Donahoe. Cotton picker bars. 2,975,580, 3–21–61, Cl. 56—50.
Haringhuizen, Pieter J., to Stamicarbon N.V. Process for purifying technical hydrogen. 2,975,605, 3–21–61, Cl. 62—13.
Haritonoff, Alexander: *See*—
Kurtyka, Joseph F., and Haritonoff. 2,996,332.
Hariu, Oscar H., and J. E. Woodbridge, to The Atlantic Refining Co. Process for dehydrating benzene. 2,989,572, 6–20–61, Cl. 260—674.
Harja, Arne M., to Clary Corp. Gyroscopic device. 2,996,922, 8–22–61, Cl. 74—5.1.
Harke, Otto. Mixing valve. 2,980,130, 4–18–61, Cl. 137—315.
Harke, Raymond J. Fishing rod handle with releasable reel and rod clamping mechanism. 3,006,098, 10–31–61, Cl. 43—22.
Harkenrider, Robert J., to Gladys D. Miller. Lubricating wick and method of making same. 2,980,471, 4–18–61, Cl. 308—132.
Harkenrider, Robert J., to Gladys D. Miller. Lubricator for traction motor suspension bearings. 2,980,472, 4–18–61, Cl. 308—132.
Harkenrider, Robert J., to Miller Lubricator Co. Journal box packing. 2,991,134, 7–4–61, Cl. 308—243.
Harkenrider, Robert J., to Miller Lubricator Co. Journal box packing. 2,991,135, 7–4–61, Cl. 308—243.
Harker, John M.: *See*—
Haanstra, John W., and Harker. 2,987,803.
Harkey, George D., Jr.: *See*—
Guthrie, John M., Harkey and Smith. 2,972,933.
Harkey, Theodore G. Egg collecting apparatus. 2,968,385, 1–17–61, Cl. 198—26.
Harkins, Robert E., to Hagen Corp. Compensated electromagnetic devices. 2,988,673, 6–13–61, Cl. 317—131.
Harkless, Earl T.: *See*—
Andrews, Howard W., and Harkless. 3,007,123.
Harkness, Andrew W. Connector between hollow valve and lift member. 3,013,278, 12–19–61, Cl. 4—56.
Harkness, John R., to Borg-Warner Corp. Movable mass and frictionless support means therefor. 3,010,325, 11–28–61, Cl. 73—517.
Harkness, Joseph R., to Briggs & Stratton Corp. Internal combustion engine and method of operating the same to obtain compression reduction during cranking. 2,999,491, 9–12–61, Cl. 123—182.
Harland, Raymond F., to Hydratomic Engineering Corp. Motor-pump. 2,993,449, 7–25–61, Cl. 103—87.
Harle, Harold P., to General Electric Co. Automatic ice maker. 2,969,654, 1–31–61, Cl. 62—233.
Harle, Harold P., to General Electric Co. Automatic ice maker. 3,005,322, 10–24–61, Cl. 62—353.
Harle, Harold P., to General Electric Co. Automatic ice maker control means. 3,009,329, 11–21–61, Cl. 62—137.

Harle, Harold P., to General Electric Co. Automatic ice maker control means. 3,009,330, 11-21-61, Cl. 62—137.
Harle, Harold P., to General Electric Co. Automatic ice maker water supply means. 3,012,417, 12-12-61, Cl. 62—347.
Harle, Harold P., to General Electric Co. Automatic ice maker. 3,014,350, 12-26-61, Cl. 62—139.
Harle, Harold P., S. Balogh, and H. J. Loewenthal, to General Electric Co. Automatic ice maker. 2,970,453, 2-7-61, Cl. 62—135.
Harle, Harold P., and S. Balogh, to General Electric Co. Automatic ice maker. 3,002,363, 10-3-61, Cl. 62—300.
Harless, Charles A., to R. Hoe & Co., Inc. Printing machine ink pump. 2,977,875, 4-4-61, Cl. 101—366.
Harless, Charles A., to R. Hoe & Co., Inc. Printing machine folding mechanism. 2,981,540, 4-25-61, Cl. 270—77.
Harley-Davidson Motor Co.: *See*—
Spexarth, Christian L. 2,986,162.
Thomas, Edward E. 2,987,934.
Thomas, Edward E. 2,998,809.
Harley Earl Associates, Inc.: *See*—
Crowder, Wyly K. 2,997,990.
Harley, Frank B., ½ to Harley Patents (International) Ltd. Buckles. 2,983,015, 5-9-61, Cl. 24—171.
Harley, John. Apparatus for the analysis and/or detection of substances by gas chromatography. 2,991,158, 7-4-61, Cl. 23—254.
Harley, Max: *See*—
Kalish, Victor A. 2,976,866.
Harley Patents (International) Ltd.: *See*—
Harley, Frank B. 2,983,015.
Harline, Richard D.: *See*—
Bradley, Theodore F., and Harline. 3,014,890.
Harloff, Hans-Joachim, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Impulse timing chains. 3,001,087, 9-19-61, Cl. 307—88.5.
Harm, George O. Dry closet with a disposable container. 2,983,090, 5-9-61, Cl. 53—113.
Harmac Co., The: *See*—
Jones, Maurice H. 2,982,199.
Harman, Cameron G., to Horizons Inc. Temperature measuring device. 2,996,696, 8-15-61, Cl. 338—28.
Harman, Cameron G., and R. Rose, to W. R. Grace & Co. Method of making polishing material. 2,973,246, 2-28-61, Cl. 23—182.
Harman, Jack B., to Watts Electric & Mfg. Co. Method of making a composite tube structure. 2,966,703, 1-3-61, Cl. 18—58.7.
Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. Method of controlling undesirable vegetation. 2,992,091, 7-11-61, Cl. 71—2.6.
Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. N-haloalkenyl dithiocarbanilates for the control of undesirable vegetation. 2,997,382, 8-22-61, Cl. 71—2.6.
Harman, Theodore C., to United States of America, Navy. Method and apparatus for measuring thermoelectric properties. 2,994,818, 8-1-61, Cl. 324—32.
Harman, Ward A.: *See*—
Birdsall, Charles K., and Harman. 2,976,455.
Harmes, Oren B. Binding tensioner. 2,969,221, 1-24-61, Cl. 254—51.
Harmes, Oren B., ½ to Ladish Co., Tri-Clover Division. Butt-welding apparatus. 2,985,746, 5-23-61, Cl. 219—125.
Harmes, Oren B., ½ to Ladish Co., Tri-Clover Division. Butt-welding clamp. 3,008,037, 11-7-61, Cl. 219—161.
Harmon, Albert D.: *See*—
Evans, Cyril G., Harmon, and Klein. 2,977,661.
Harmon, Albert D., to Deering Milliken Research Corp. Cone adapter. 2,973,161, 2-28-61, Cl. 242—130.
Harmon, Albert D., and N. E. Klein, to Deering Milliken Research Corp. Bobbin holding and braking arrangement. 2,981,496, 4-25-61, Cl. 242—129.8.
Harmon, Bernard. Releasable slide fastener. 2,983,017, 5-9-61, Cl. 24—205.14.
Harmon, Bill G., to Engineered Grouting Service. Well pressure cementing tool. 3,010,518, 11-28-61, Cl. 166—184.
Harmon, Carlyle, C. H. Plummer, and J. H. Smith, to Chicopee Mfg. Corp. Method and apparatus for forming nonwoven fabric. 3,002,849, 10-3-61, Cl. 117—21.
Harmon, Carlyle, and C. H. Plummer, to Chicopee Mfg. Corp. Apparatus for producing nonwoven fabric and method. 3,012,290, 12-12-61, Cl. 19—161.
Harmon, Cline H., to Waterloo Foundry Co., Inc. Cable sheath stripping tool. 2,984,905, 5-23-61, Cl. 30—94.
Harmon Enterprises, Inc.: *See*—
Cooper, Alva N., and Potter. 2,972,870.
Harmon, Gregory J.: *See*—
Craig, Dwin R., Harmon, Houghton, and Hurley. 2,982,407.
Harmon, Gregory J., to Reed Research, Inc. Long-short separator for serially conveyed units. 2,982,403, 5-2-61, Cl. 209—82.
Harmon, Gregory J., to Reed Research, Inc. Spacer and sorter for serially conveyed units. 2,982,404, 5-2-61, Cl. 209—82.
Harmon, Gregory J., to United States of America, Army. Pulse radar system. 2,986,731, 5-30-61, Cl. 343—17.1.
Harmon, Kenneth B., and R. M. Tuck, to General Motors Corp. Transmission. 2,969,694, 1-31-61, Cl. 74—677.
Harmon, Kent M., and E. Wichers, to United States of America, Atomic Energy Commission. Preparation of anhydrous cerium chloride, uranium bromide or plutonium fluoride. 2,982,603, 5-2-61, Cl. 23—14.5.
Harmon, Raymond K.: *See*—
Aaland, Kris, Kuenning, and Harmon. 2,982,917.
Harmon, Robert W.: *See*—
Lantz, Alpha D., and Harmon. 2,997,764.
Harmon, William C., to Republic Steel Corp. Automatic pipe coupling inspector. 2,979,196, 4-11-61, Cl. 209—3.
Harms, August F., to N.V. Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia. O-methylbenzhydryl-β-dimethylaminoethyl ether process and composition for symptomatic relief of the syndrome of Parkinsonism and of spastic skeletal muscle disorder. 2,991,225, 7-4-61, Cl. 167—65.
Harms, Evert D., deceased; M. L. Harms, executor. Articulated vehicle assembly and hitch for use with same. 3,008,734, 11-14-61, Cl. 280—478.
Harms, Harold H. Pleated filter. 2,988,227, 6-13-61, Cl. 210—493.
Harms, Harold H. Backwash filtering system. 2,999,597, 9-12-61, Cl. 210—333.
Harms, Milan L.: *See*—
Harms, Evert D. 3,008,734.
Harner, Kermit I.: *See*—
Coburn, Richard J., and Harner. 3,003,331.
Harner, Kermit I., to United Aircraft Corp. Positive feedback abatement means. 3,012,401, 12-12-61, Cl. 60—39.28.
Harnisch, Heinz, F. Ritter, and F. Rodis, to Knapsack-Griesheim Aktiengesellschaft. Method of processing phosphorus sludge obtained in the production of phosphorus. 3,004,834, 10-17-61, Cl. 23—293.
Harnischfeger Corp.: *See*—
Price, Lester A. 2,973,469.
Harnish, Kenneth A.: *See*—
Jacobs, James W., and Harnish. 2,980,480.
Haron, Carl I., to Texas Instruments Inc. Means for continuous fabrication of graded junction transistors. 3,002,821, 10-3-61, Cl. 23—273.
Harp, Alonzo M., to American Machine and Metals, Inc. Fan unit with a removable blade assembly. 2,978,167, 4-4-61, Cl. 230—117.
Harp, Thomas L.: *See*—
Bannerman, Gordon H., Harp., and Ruschp. 2,981,205.
Harper, Aubrey E., to Imperial Chemical Industries Ltd. Propellant charges. 3,002,459, 10-3-61, Cl. 102—98.
Harper, Aubrey E., J. Grigor, and E. G. Cooke, to Imperial Chemical Industries Ltd. Gas-producing composition. 2,977,208, 3-28-61, Cl. 52—.5.
Harper, Chester H.: *See*—
Allen, Kenneth M., and Harper. 3,012,654.
Harper, Elton F. N., to Well Surveys, Inc. Method and apparatus for infrared detection of subsurface hydrocarbons. 2,972,251, 2-21-61, Cl. 73—154.
Harper, Ernest V., to General Motors Corp. Weld assembly. 2,968,713, 1-17-61, Cl. 218—93.
Harper, Ernest V., to General Motors Corp. Deceleration valve. 3,013,532 12-19-61. Cl. 121—38.
Harper, Jack R., to Dow Corning Corp. Silicone primers for room temperature vulcanizing silicone rubber. 2,979,420, 4-11-61, Cl. 117—72.
Harper, John F., to The Mechanical Finishing Co., Inc. Free grain polishing process and apparatus. 3,013,365, 12-19-61. Cl. 51—164.
Harper, John H.: *See*—
Kracht, Fred, and Harper. 2,982,548.
Harper, John H., to Philips Electronics Industries Ltd. Deck sweeping assembly for bowling alleys. 2,992,827, 7-18-61. Cl. 273—54.
Harper, Kenneth A., to Phillips Petroleum Co. Catalyst regeneration and apparatus therefor. 2,970,117, 1-31-61, Cl. 252—417.
Harper, Kenneth A., to Phillips Petroleum Co. Method and apparatus for contacting and conveying of fluidized solids and fluids to be contacted therewith. 2,985,517, 5-23-61. Cl. 23—288.
Harper, Lee R., to E. I. du Pont de Nemours and Co. Coating compositions. 2,981,712, 4-25-61, Cl. 260—32.8.
Harper, Leonard R., to International Business Machines Corp. Electronic commutators. 2,971,157, 2-7-61, Cl. 328—42.
Harper, Leonard R., to International Business Machines Corp. Transistor switching circuits including an inverter stage driving an emitter-follower stage. 3,003,070, 10-3-61. Cl. 307—88.5.
Harper, Philip S., to Harper-Wyman Co. Indicating means for gas valves. 2,980,134, 4-18-61, Cl. 137—556.
Harper, Robert H.: *See*—
Trombly, Harvey H., and Harper. 2,976,120.
Harper, Robert H., to Swift & Co. Sausage manufacture. 2,970,916, 2-7-61, Cl. 99—109.
Harper, Samuel D., to Minneapolis-Honeywell Regulator Co. Electrical apparatus for storing and manipulating digital data. 3,004,246, 10-10-61, Cl. 340—174.
Harper, Wallace T.: *See*—
Stoddard, Stephen D., and Harper. 2,997,744
Harper, Walter R., Jr., and C. F. Kruger, to Texas Instruments Inc. Thermostatic switch. 2,967,920, 1-10-61, Cl. 200—113.
Harper-Wyman Co.: *See*—
Harper, Philip S. 2,980,134.
Ives, Richard O. 3,011,720.
Lamar, Charles C. 3,010,693.
Sears, Arthur H. 2,980,178.
Wiltz, John L. 3,011,721.
Harping, Otto R.: *See*—
Sakaitis, Clement A., and Harping. 2,995,825.

Harrah, Jule F.: *See*—
Ator, Joe T., Chase, Dreyfus, Harrah, and Harris. 2,987,182.
Harrah, Ralph E., to Talon, Inc. Plastic bag or container. 2,978,769, 4–11–61, Cl. 24—201.
Harrell, Bob R.: *See*—
Fredrickson, Robert E., Mod, and Harrell. 2,985,508.
Harrell, Bob R., to The Dow Chemical Co. Preparation of aluminum hydroxy fluoride. 3,006,724, 10–31–61, Cl. 23—88.
Harrer, Paul H., to Allis-Chalmers Mfg. Co. Baling machine. 3,004,377, 10–17–61, Cl. 56—341.
Harrer, Paul H., and W. H. Shannon, to Allis-Chalmers Mfg. Co. Implement hitch. 2,973,970, 3–7–61, Cl. 280—461.
Harries, John H. O., to Harries Television Research Ltd. Periodically displaced or rotatable elements. 2,993,403, 7–25–61, Cl. 88—14.
Harries, John H. O., to Harries Television Research Ltd. Apparatus for light intensity control in color television projection apparatus. 3,004,099, 10–10–61, Cl. 178—5.4.
Harries, John H. O., to Harries Television Research Ltd. Radio receivers employing visual display systems. 3,006,990, 10–31–61, Cl. 178—5.4.
Harries, John H. O., and W. T. Welford, to Harries Television Research Ltd. Facetted correction lens for minimizing keystoning of off-axis projectors. 2,999,126, 9–5–61, Cl. 178—5.4.
Harries Television Research Ltd.: *See*—
Harries, John H. O. 2,993,403.
Harries, John H. O. 3,004,099.
Harries, John H. O. 3,006,990.
Harries, John H. O., and Welford. 2,999,126.
Harries, William. Loom stop motion. 2,974,689, 3–14–61, Cl. 139—370.
Harriman, Arthur J.: *See*—
Seltzer, Edward, Harriman, and Henderson. 2,975,057.
Harriman, Benjamin R.: *See*—
Sottysiak, Joseph, and Harriman. 2,970,907.
Harrington, Bertie S., to Armour & Co. Sampling tool. 2,987,922, 6–13–61, Cl. 73—425.
Harrington, Ferris T., to Vickers Inc. Power transmission. 2,967,489, 1–10–61, Cl. 103—136.
Harrington, Richard H.: *See*—
Demer, Frederick M., Harrington, and Shalkey. 2,990,767.
Harrington, Robert C., Jr., and J. L. Smith, to Eastman Kodak Co. Flameproof cellulose organic acid ester fibers and process for their preparation. 2,989,406, 6–20–61, Cl. 106—15.
Harrington, Roy E.: *See*—
Morrison, Charles S., and Harrington. 2,987,127.
Harrington, Russell, Cutlery Co.: *See*—
Thompson, John A. 2,979,820.
Harrington, Thomas L., and D. E. Pederson, to Minnesota Mining and Mfg. Co. Safety marking system. 3,011,412, 12–5–61, Cl. 94—1.5.
Harrington, Walter J.: *See*—
Africano, Alfred, Brewer, and Harrington. 2,976,805.
Harrington, William J., to The Parker Pen Co. Writing instruments. 2,979,030, 4–11–61, Cl. 120—42.03.
Harris, Abraham. Combination bag and auxiliary container. 2,989,998, 6–27–61, Cl. 150—1.6.
Harris, Arch W., and A. H. Ward, to United States Steel Corp. Apparatus for hot-dip coating strip. 2,989,944, 6–27–61, Cl. 118—419.
Harris, Arthur L. Magnetic support. 2,977,082, 3–28–61, Cl. 248—206.
Harris, Arthur W., and L. V. Larsen, to Chicago Bridge & Iron Co. Fabric type seal for floating roof tank. 2,968,420, 1–17–61, Cl. 220—26.
Harris, Ben A.: *See*—
Clement, Milton A., and Harris. 3,003,035.
Zarcone, Carl J., and Harris. 2,979,702.
Harris, Ben A., to General Dynamics Corp. Trunk circuit. 3,001,020, 9–19–61, Cl. 179—7.
Harris, Benford B. Foam glass shaping device. 2,983,175, 5–9–61, Cl. 83—635.
Harris, Bennett C. Gasoline vending apparatus. 2,977,024, 3–28–61, Cl. 222—2.
Harris, Bert C., to The White Motor Co. Fifth wheel construction. 3,002,766, 10–3–61, Cl. 280—423.
Harris, Charles R., to Pneumafil Corp. Pneumatic waste collection apparatus for textile frames. 2,979,754, 4–18–61, Cl. 15—301.
Harris, Charles R., to E. I. du Pont de Nemours and Co. Synthesis of acrylonitrile. 2,999,073, 9–5–61, Cl. 252—429.
Harris, Clare S.: *See*—
Braeuninger, Karl F., and Harris. 2,993,688.
Harris, Claude M.: *See*—
Yates, Paul R. 2,992,682.
Harris, Clyde W., to Aerojet-General Corp. Optical detector. 2,974,230, 3–7–61, Cl. 250—83.3.
Harris, Darrel M., to Monsanto Chemical Co. Composition comprising alumina particles coated with polymer of ethylenically unsaturated monomer. 2,984,635, 5–16–61, Cl. 260—29.6.
Harris, Donne I.: *See*—
Ator, Joe T., Chase, Dreyfus, Harrah, and Harris. 2,987,182.
Harris, Dwight E., to The Lux Clock Mfg. Co., Inc. Spray timer. 2,971,382, 2–14–61, Cl. 74—3.52.
Harris, Edward F. Dish radiator for adjustable polarization. 2,996,714, 8–15–61, Cl. 343—756.
Harris, Edward H., to Acrometal Products, Inc. Shaft locking collar. 2,996,321, 8–15–61, Cl. 287—52.07.
Harris, Edward J.: *See*—
Frohlich, Adolf, and Harris. 2,970,342.
Frohlich, Adolf, and Harris. 2,979,123.
Frohlich, Adolf, and Harris. 2,981,310.
Frohlich, Adolf, and Harris. 2,988,131.
Frohlich, Adolf H., and Harris. 2,988,121.
Harris, Edward P., and J. R. Wall, to General Motors Corp. Seat construction. 2,980,167, 4–18–61, Cl. 155—179.
Harris, Foster. Jacks for tag-along trailers. 3,013,683, 12–19–61, Cl. 214—506.
Harris, Francis L., to Stormaster Tornado Shelter Co. Form for concrete shelter. 3,012,300, 12–12–61, Cl. 25—154.
Harris, Franklin H., to United States of America, Navy. Storage electrode. 2,979,633, 4–11–61, Cl. 313—89.
Harris, Frederic R., Inc.: *See*—
Cole, Allan B., and Balga. 2,990,796.
Quirin, Edward J. 2,966,778.
Harris, Frederick F. Pipe clamp. 2,980,143, 4–18–61, Cl. 138—99.
Harris, Geoffrey, T., and H. C. Child, to The Birmingham Small Arms Co. Ltd. Creep resistant non-austenitic steels. 2,985,529, 5–23–61, Cl. 75—126.
Harris, George A., and E. T. Montgomery, to Burroughs Corp. Electrostatic developing apparatus. 2,998,802, 9–5–61, Cl. 118—637.
Harris, George M.: *See*—
Bernheim, Louis L., and Harris. 2,968,907.
Harris, George R., and D. E. Obbink. Counter, cabinet, and splash wall construction. 3,012,833, 12–12–61, Cl. 311—106.
Harris, Harlan N. Reticle. 3,008,237, 11–14–61, Cl. 33—50.
Harris, Harold D., and T. O. L. Thrush. Automatic fishing device. 2,986,833, 6–6–61, Cl. 43—15.
Harris, Herbert, Jr., and W. T. White, to Sperry Rand Corp. Constant torque servo system. 3,008,073, 11–7–61, Cl. 318—30.
Harris-Intertype Corp.: *See*—
Astle, Melvin J. 2,991,204.
Biaha, John F. 3,008,710.
Bradford, John R., and Adams. 2,971,461.
Elliott, Thomas J., and Jankowski. 2,997,298.
Elliott, Thomas J., and Watts. 3,006,635.
Gulick, Kenneth H. 2,995,359.
Heigl, Carl H., and Zugel. 3,008,705.
Heigl, Carl H., and Zugel. 3,008,706.
Hooven, Frederick J., and O'Brien. 2,966,835.
Kist, Karl E. 2,984,483.
Kist, Karl E., and Vandeman. 2,984,482.
Lindemann, Robert E. 2,967,705.
Lindemann, Robert E. 2,990,770.
Nash, Elmer D. 3,006,450.
O'Brien, Richard C. 3,000,279.
Roberts, Webster C., and Brandt. 3,008,407.
Royer, Arthur G., and Watts. 2,980,422.
Seel, Howard J., and Royer. 2,976,037.
Taylor, Norman W. 2,968,481.
Vandeman, Jack E. 2,977,115.
Vandeman, Jack E. 3,001,788.
Yingling, Victor N. 2,971,610.
Harris, Jack, to Anton Electronic Laboratories, Inc. Light powered switch. 2,975,335, 3–14–61, Cl. 317—129.
Harris, James A. Sprinkler control system. 3,006,554, 10–31–61, Cl. 239—67.
Harris, James L. Developing machine. 2,999,447, 9–12–61, Cl. 95—94.
Harris, Jay C., to Monsanto Chemical Co. Nontarnishing detergent composition. 2,992,996, 7–18–61, Cl. 252—152.
Harris, Jay C., T. C. Tesdahl, and R. M. Anderson, to Monsanto Chemical Co. Non-dusting detergent and bleaching composition. 2,988,510, 6–13–61, Cl. 252—99.
Harris, Jesse T., to General Motors Corp. Windshield wiper mechanism. 3,003,172, 10–10–61, Cl. 15—250.23.
Harris, John F., Jr., to E. I. du Pont de Nemours and Co. Process for preparing highly fluorinated compounds. 2,967,810, 1–10–61, Cl. 204—158.
Harris, John F., Jr., to E. I. du Pont de Nemours and Co. 2,2-bis-a-fluoroperhalocarbyl-substituted polyfluorooxetanes and process for preparation. 2,995,571, 8–8–61, Cl. 260—333.
Harris, John F., Jr., to E. I. du Pont de Nemours and Co. Fluorosubstituted 2-hydrooxetanes and their preparation from fluoroolefins and fluoroaldehydes. 2,995,572, 8–8–61, Cl. 260—333.
Harris, John L. Control device. 2,976,471, 3–21–61, Cl. 318—467.
Harris, John S., to The Keelavite Co. Ltd. Pumps. 2,997,093, 8–22–61, Cl. 153—79.
Harris, Joseph E., Jr., and A. E. Cullen, to Philco Corp. Cooking range. 3,004,132, 10–10–61, Cl. 219—37.
Harris, Joseph M., and R. F. Scoledge, to Sylvania Electric Products Inc. Projection lamp. 2,980,818, 4–18–61, Cl. 313—113.
Harris, Lawrence A., to General Electric Co. System for producing high charge density electron beam. 3,013,179, 12–12–61, Cl. 315—31.
Harris, Leon S. Amusement device. 2,978,248, 4–4–61, Cl. 273—97.
Harris, Leonard B. Compound internal combustion engine. 2,984,966, 5–23–61, Cl. 60—15.
Harris, Lionel R. F., to Her Majesty's Postmaster General. Control apparatus for communication systems. 2,984,705, 5–16–61, Cl. 179—15.

Harris, Lionel R. F., and S. W. Broadhurst, to Her Majesty's Postmaster General. Information transmitting circuits. 2,994,064, 7–25–61, Cl. 340—172.5.
Harris, Melvin A. Inverted bottle support. 2,990,080, 6–27–61, Cl. 215—100.
Harris, Paul R. Telescopic pipe joint with means to assure rectilinear movement. 3,006,665, 10–31–61, Cl. 285—302.
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Harris, Rano J., to Precision Instruments Co. Chromatography. 2,991,647, 7–11–61, Cl. 73—23.
Harris, Robert C., to The Bendix Corp. Semi-conductive ceramic composition. 2,975,145, 3–14–61, Cl. 252—521.
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Harris, Robert L., to Blaw-Knox Co. Soot blower and valve therefor. 2,988,024, 6–13–61, Cl. 110—179.
Harris, Samuel J., and J. H. Teaf, to Radio Condenser Co. Tuner. 2,988,716, 6–13–61, Cl. 336—131.
Harris, Samuel W.: *See*—
Altwicker, Elmar R., Garrett, Wellmuenster, and Harris. 2,999,117.
Mezey, Eugene J., and Harris. 2,987,553.
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Harris, Thomas, to Structural Fibers, Inc. Containers. 3,012,689, 12–12–61, Cl. 220—5.
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Harris, Wilbur T. 2,977,569.
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Harris, Wilbur T. 2,978,648.
Harris, Wilbur T. 2,978,669.
Harris, Wilbur T. 2,978,671.
Harris, Wilbur T. 3,007,063.
Harris, Wilbur T. 3,014,198.
Harris, Walter. Diaper rinser. 2,978,893, 4–11–61, Cl. 68—213.
Harris, Wilbur E., and J. E. Cady, to United States Rubber Co. Method of making a flexible diaphragm for use in fluid springs. 3,013,920, 12–19–61, Cl. 156—194.
Harris, Wilbur T., to The Harris Transducer Corp. Detector with modulation by magnetostrictive core acoustic transducer. 2,977,569, 3–28–61, Cl. 340—5.
Harris, Wilbur T., to The Harris Transducer Corp. Circuit element transducer. 2,978,597, 4–4–61, Cl. 310—8.2.
Harris, Wilbur T., to The Harris Transducer Corp. High frequency transducers. 2,978,648, 4–4–61, Cl. 330—10.
Harris, Wilbur T., to The Harris Transducer Corp. Underwater electrodynamic acoustic transducer with air-filled composite diaphragm. 2,978,669, 4–4–61, Cl. 340—8.
Harris, Wilbur T., to The Harris Transducer Corp. Electrodynamic transducer. 2,978,671, 4–4–61, Cl. 340—12.
Harris, Wilbur T., to The Harris Transducer Corp. Magnetostrictive actuator. 3,007,063, 10–31–61, Cl. 310—26.
Harris, Wilbur T., to The Harris Transducer Corp. Passive resonator reflector. 3,014,198, 12–19–61, Cl. 340—5.
Harris, William A. Method and apparatus for raising sunken ships. 2,987,026, 6–6–61, Cl. 114—53.
Harris, William C., and J. J. Anderson, to S. C. Johnson & Son, Inc. Shoe polish kit. 3,000,035, 9–19–61, Cl. 15—258.
Harris, William E. Blade assembly for earth moving machine. 3,007,265, 11–7–61, Cl. 37—144.
Harris, William E. Heat exchange device. 3,007,680, 11–7–61, Cl. 257—245.
Harris, William M., R. H. Linnell, and W. F. Meredith, to Titanium Zirconium Co., Inc. Zirconium oxide and process of making the same. 2,996,369, 8–15–61, Cl. 51—309.
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Harrison, Eugene E.: *See*—
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Harrison, George W., to Allegany Instrument Co., Inc. Method of making a strain gage. 2,979,807, 4–18–61, Cl. 29—155.62.
Harrison, Harry. Demi-belt for nether garments. 3,001,204, 9–26–61, Cl. 2—309.
Harrison, Harry W., J. C. and M. M. Kinley; to said J. C. Kinley. Time trip device. 3,010,515, 11–28–61, Cl. 166—54.5.
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Harrison, Henry C., and Henry Harrison. 2,980,476.
Harrison, Henry. Kitchen step stool. 2,991,828, 7–11–61, Cl. 182—33.
Harrison, Henry and Henry C. Harrison, to Ingersoll-Rand Co. Impact tools. 3,006,446, 10–31–61, Cl. 192—30.5.
Harrison, Henry C.: *See*—
Harrison, Henry and Henry C. Harrison. 3,006,446.
Harrison, Henry C. and Henry Harrison, to Ingersoll-Rand Co. Compressor piston. 2,980,476, 4–18–61, Cl. 309—14.
Harrison Home Products Corp.: *See*—
Jacobson, James J. 3,008,616.
Harrison, James, to The Globe and Mail Ltd. Apparatus for positioning an underwrap sheet beneath material to be wrapped. 3,001,352, 9–26–61, Cl. 53—389.
Harrison, James M., to Crown Machine and Tool Co. Plastic container. 2,982,440, 5–2–61, Cl. 220—66.
Harrison, James R., to North American Aviation, Inc. Method of joinder. 3,012,130, 12–5–61, Cl. 219—137.
Harrison, Jean B., to E. I. du Pont de Nemours and Co. Glyoxime seed disinfectant. 3,001,908, 9–26–61, Cl. 167—22.
Harrison, John E. R., and S. Kagan, to Avco Mfg. Corp. Compound-connected temperature-stabilized transistor amplifier circuit. 2,990,452, 6–27–61, Cl. 179—1.
Harrison, John E. R., and S. Kagan, to Avco Mfg. Corp. Transistorized detector and automatic gain control circuit. 3,005,093, 10–17–61, Cl. 250—20.
Harrison, John F., W. H. Mathys, and S. Thompson, to Koehring Co. Combined roller and transport device therefor. 2,985,080, 5–23–61, Cl. 94—50.
Harrison, John Q.: *See*—
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Harrison, John W.: *See*—
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Lowry, Robert D., and Harrison. 2,997,170.
Harrison, John W., to W. R. Grace & Co. Container. 2,975,931, 3–21–61, Cl. 220—24.
Harrison, John W., to W. R. Grace & Co. Method of joiniug pipe and tubing. 2,992,457, 7–18–61, Cl. 18—59.
Harrison, John W., to W. R. Grace & Co. Method of packaging annular shaped articles. 3,005,542, 10–24–61, Cl. 206—46.
Harrison, John W., to W. R. Grace & Co. Method of applying shrink covers. 3,014,320, 12–26–61, Cl. 53—42.
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Harrison Laboratories, Inc.: *See*—
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Harrison, Ralph C. Support for trailer tongue. 2,976,055, 3–21–61, Cl. 280—150.5.
Harrison, Raymond B., and R. G. Edwards, to Stedfast Rubber Co., Inc. Sheet material for stiffening shoe uppers. 2,980,552, 4–18–61, Cl. 117—68.
Harrison, Robert G., and J. W. Manning, to Signal Mfg. Co. Attachment for floor treating apparatus. 2,990,979, 7–4–61, Cl. 222—482.
Harrison, Steele. Steel wrap method for bowstring loops. 2,981,053, 4–25–61, Cl. 57—160.
Harrison, Wayne E., and E. Linna, to Midwestern Instruments, Inc. Structure for recording time values. 3,005,380, 10–24–61, Cl. 88—61.
Harrisson, Joseph W. E., and E. W. Packman, to LaWall & Harrisson. Gastric acid counteracting composition. 2,981,656, 4–25–61, Cl. 167—55.
Harrist, Robert A. Handle and cleaner assembly for files and rasps. 2,989,315, 6–20–61, Cl. 279—42.
Harrold, Marshall C., to General Motors Corp. Automatic sequential operation type clothes washing machine. 2,969,663, 1–31–61, Cl. 68—12.
Harrover, Robert E., Jr., to Westinghouse Electric Corp. Certain alkylol amine salts from 2-thiohydantoin and 1-acetyl, 2-thiohydantoin. 2,989,536, 6–20–61, Cl. 260—309.6.
Harrover, Robert E., Jr., and R. P. Cope, Jr., to Westinghouse Electric Corp. Addition agent for acid copper electrolytes. 2,997,428, 8–22–61, Cl. 204—52.
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Stillwell, William D. 2,971,926.
Harrow, Edward L. Air compression type flush tanks. 2,979,732, 4–18–61, Cl. 4—26.
Harrower, William, to Everlasting Valve Co. Valve for fluids having entrained solids. 2,991,794, 7–11–61, Cl. 137—242.
Harry, Gordon W., to General Motors Corp. Fuel systems. 2,996,190, 8–15–61, Cl. 210—436.
Harry, Gordon W., and E. W. Pierce, to General Motors Corp. Moisture blow-off valve. 2,988,102, 6–13–61, Cl. 137—204.
Harry, Robert J., to The Alliance Machine Co. Tongs. 2,994,554, 8–1–61, Cl. 294—111.
Harry, Robert J., to The Alliance Machine Co. Combination stripper and ingot and mold handling cranes. 3,009,219, 11–21–61, Cl. 22—95.
Harsch, Arthur J., to Morrison Steel Products, Inc. Overhead door. 3,000,048, 9–19–61, Cl. 16—128.
Harsco Corp.: *See*—
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Harshaw Chemical Co., The: *See*—
Du Rose, Arthur H. 2,978,391.
Du Rose, Arthur H. 2,987,453.
Du Rose, Arthur H. 2,994,648.
Giordano, Anthony. 3,012,899.
Johnson, Irwin E. 3,002,811.
Mudrak, Anton, and Stevick. 3,006,941.
Seabright, Clarence A. 2,992,123.
Seabright, Clarence A. 3,005,724.
Seabright, Clarence A. 3,012,898.
Towle, Jack L. 2,972,571.
Towle, Jack L. 3,000,799.
Harshman, Daniel L., to Curtiss-Wright Corp. Rotating inlet for jet engines. 2,970,431, 2–7–61, Cl. 60—35.6.
Harshman, Daniel L., to Curtiss-Wright Corp. Fluid mixing apparatus. 2,999,672, 9–12–61, Cl. 259—4.
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Hart, Adolph. Fabric reeling system. 3,007,649, 11–7–61, Cl. 242—55.
Hart, Bill J., to National Union Electric Corp. Luminous discharge indicia tube. 3,005,922, 10–24–61, Cl. 313—109.5.
Hart, Donald P., to Pittsburgh Plate Glass Co. Interpolymer of allylepoxy resin and polyamide resin. 2,967,161, 1–3–61, Cl. 260—18.
Hart, Donald P., and J. E. Plasynski, to Pittsburgh Plate Glass Co. Primer comprising an epoxy resin, a phenol-formaldehyde resin and a methyl methacrylate polymer, and bonding a vinyl resin coating to a surface therewith. 3,011,909, 12–5–61, Cl. 117—72.
Hart, Gene E., and H. F. Metcalf, to Carolina Knitting Machine Corp. Method and means for preventing formation of eyelets in circular knitting. 2,970,459, 2–7–61, Cl. 66—42.
Hart, Geo. B., Inc.: *See*—
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Hart, George H., to The Hart Mfg. Co. Heater and thermostat control assembly. 2,988,625, 6–13–61, Cl. 219—37.
Hart, Harold, to Research Corp. Production of dicyclopropyl ketones and 1,7-dihalo-4-heptanones. 2,979,529, 4–11–61, Cl. 260—586.
Hart, Harold A., to Chance Vought Corp. Noise-reducing microphone assembly. 3,004,103, 10–10–61, Cl. 179—1.
Hart, Honey E. Hospital appliance. 3,000,015, 9–19–61, Cl. 4—110.
Hart, James C.: *See*—
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Hart, John F., Jr. Collapsible floral rack. 2,989,275, 6–20–61, Cl. 248—27.8.
Hart, John G., to General Motors Corp. Connector for windshield wiper blade. 2,974,341, 3–14–61, Cl. 15—250.32.
Hart, John G., to General Motors Corp. Windshield wiper blade assemblies. 2,985,904, 5–30–61, Cl. 15—250.42.
Hart, John W., to Sterling Drug Inc. Plastic cartridge ampoule. 2,986,141, 5–30–61, Cl. 128—218.
Hart, Julian D., and G. W. Newton, to Duke University. Surgical basin and support. 2,994,761, 8–1–61, Cl. 219—43.
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Hart Mfg. Co., The: *See*—
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De Pauw, Alfons J., and Hart. 3,000,741.
Hart, Rene M., L. P. Roosens, and J. R. Troquet, to Gevaert Photo-Producten N.V. Photographic antihalation and protective layer comprising a nitrated styrene-maleic acid copolymer. 2,984,568, 5–16–61, Cl. 96—84.
Hart, Richard D., and H. P. Raman, to Amchem Products, Inc. Herbicidal method using 3-nitro-2,5-dichlorobenzoic acid. 3,013,873, 12–19–61, Cl. 71—2.6.
Hart, Robert C., to Eastman Kodak Co. Melt spinning. 3,000,053, 9–19–61, Cl. 18—8.
Hart, Robert L., D. K. MacKenzie, Jr., and F. J. Weber, to The Martin Co. Stores loading of water-based aircraft. 2,985,412, 5–23–61, Cl. 244—137.
Hart, Walter R. Apparatus for curling strips of thermoplastic material. 2,969,562, 1–31–61, Cl. 18—19.
Hart, William E., to North American Aviation, Inc. Stores launcher. 2,982,180, 5–2–61, Cl. 89—1.5.
Hart, William F., to American Cyanamid Co. Process for preparing post-formed styrenated oil-modified alkyd resins utilizing molten phthalic anhydride. 2,982,746, 5–2–61, Cl. 260—22.
Hartbauer, Ellsworth A., to F. B. Redington Co. Tucking mechanism for packaging machine. Re. 24,951, 3–21–61, Cl. 53—376.
Harte, Heinz, and H. Koch, to Hanni-Werke Korber & Co., K.G. Apparatus for separating or winnowing tobacco and other like fibrous material. 3,010,576, 11–28–61, Cl. 209—35.
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Hartel, Erwin H., to Cleveland Pneumatic Industries, Inc. Actuation mechanism. 2,972,898, 2–28–61, Cl. 74—105.
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Good, Wayne W. 2,992,803.
Good, Wayne W. 2,993,740.
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Harter, Edgar J., to Minneapolis-Honeywell Regulator Co. Electrical measuring apparatus. 2,971,697, 2–14–61, Cl. 235—193.
Harter, Edward, to The Wickman Products Corp. Longitudinal profiling attachment. 2,972,288, 2–21–61, Cl. 90—24.
Harter, Edward, to Index-Werke K.G. Hahn & Tessky. Work feeding means for machine tools. 2,977,036, 3–28–61, Cl. 226—89.
Harter, Paul, and E. Staudt, to Eastman Kodak Co. Automatic exposure control for photographic cameras. 2,999,435, 9–12–61, Cl. 95—10.
Harter, Paul G., to Eastman Kodak Co. Locking means for the shutter actuating mechanism of a detachable lens mount camera. 2,975,688, 3–21–61, Cl. 95—11.
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Harth, Carlo, to Askania-Werke A.G. Automatic target finder and tracker for theodolites and the like. 3,002,417, 10–3–61, Cl. 88—1.
Hartill, Eric R., N. B. Hewett, and A. W. Pimm, to Metropolitan-Vickers Electrical Co. Ltd. Electric cable terminations. 2,969,415, 1–24–61, Cl. 174—19.
Harting, Glen R., to Borg-Warner Corp. Electromagnetic friction device. 3,007,561, 11–7–61, Cl. 192—84.
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Hartle, Robert J., and H. I. Thayer, to Gulf Research & Development Co. Synergistic insecticidal pyrethrin compositions containing N-alkoxy alkyl-3,4 methylene dioxyphenyl carbamates. 2,990,320, 6–27–61, Cl. 167—24.
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Hartley, George C., to International Standard Electric Corp. Automatic telecommunication exchanges. 2,997,545, 8–22–61, Cl. 179—15.
Hartley, Gilbert S., R. T. Brunskill, and R. K. Pfeiffer, to Fisons Pest Control Ltd. Spraying device. 2,979,075, 4–11–61, Cl. 137—351.
Hartley, James, and E. C. Lumb, to Shell Oil Co. Process for solubilizing inorganic boric acid compounds in fuels and lubricating oils. 2,987,476, 6–6–61, Cl. 252—18.
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Hartley, Nelson, to Hartley Controls Corp. Pneumatic delivery and time-controlled measuring of fine material such as powder. 2,989,349, 6–20–61, Cl. 302—53.
Hartley, Ralph P. Fume removing device for toilet bowls. 2,988,756, 6–20–61, Cl. 4—213.
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Hartman, Owen A. Inflammable container. 2,981,613, 4–25–61, Cl. 44—40.
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Hartman, Richard A., and W. B. Duffy, to The Palnut Co. Push-in assembly and fastener therefor. 2,984,878, 5–23–61, Cl. 24—73.
Hartman, Robert B., II, to Remington Arms Co., Inc. High speed photographic light circuit. 2,967,975, 1–10–61, Cl. 315—241.
Hartman, Robert J., and E. J. Fujiwara, to Wyandotte Chemicals Corp. Catalytic aminoethylation of cellulose, cellulose derivatives or polyvinyl alcohol. 2,972,606, 2–21–61, Cl. 260—91.3.

Hartman, Thomas A. Channelled fan aircraft. 2,994,493, 8–1–61, Cl. 244—12.
Hartman, William C., and A. B. Sperry, to Sperry Rand Corp. Correcting means for target tracking. 2,983,908, 5–9–61, Cl. 340—198.
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Hartmann, Adolf, W. Happe, and G. Gattys, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for improving the dyeability of shaped structures of polyesters based on terephthalic acid. 2,989,363, 6–20–61, Cl. 8—115.5.
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Hartmann, Karl, and H. Schmittmann, to Farbenfabriken Bayer Aktiengesellschaft. Ropes from monofilaments and process for the production thereof. 3,010,275, 11–28–61, Cl. 57—144.
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Hartmann, Louis M., and A. B. A. Hansen, to Aktieselskabet Brodrene Hartmann. Machine for the manufacture of articles from fiber pulp. 2,986,211, 5–30–61, Cl. 162—391.
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Hartzell, Robert N., to Hartzell Propeller, Inc. Governor and method of synchronizing engines. 2,989,126, 6–20–61, Cl. 170—135.29.
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Jones, Maurice H. 2,982,199.
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Harvey, Mortimer T., and P. L. Rosamilia, to Harvel Research Corp. Compositions of matter and methods and steps for making and using the same. 2,976,264, 3–21–61, Cl. 260—73.
Harvey, Mortimer T., and P. L. Rosamilia, to Harvel Research Corp. Composition comprising reaction product of phenolic material and butadiene-furfural condensate. 2,987,495, 6–6–61, Cl. 260—38.
Harvey, Mortimer T., and P. L. Rosamilia, to Harvel Research Corp. Compositions of matter and methods and steps for making and using the same. 3,014,530, 12–26–61, Cl. 166—30.
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Hasbrook, Arthur F., to O. S. Petty. Sonic geophysical exploration. 3,000,460, 9–19–61, Cl. 181—.5.
Hasbrook, Arthur F., to O. S. Petty. Sonic geophysical exploration. 3,000,461, 9–19–61, Cl. 181—.5.
Hasbrouck, Augustus, to United Aircraft Corp. Manifold attachment. 3,001,726, 9–26–61, Cl. 239—468.
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Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.
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Hass, Henry B., F. D. Snell, L. I. Osipow, and W. C. York, deceased, by R. M. York, administratrix, to Sugar Research Foundation, Inc. Novel detergent compositions. 2,970,962, 2–7–61, Cl. 252—135.
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Hassan, Joseph A. Loudspeaker construction. 2,997,549, 8–22–61, Cl. 179—115.5.
Hassan, Joseph A. Loudspeaker construction. 2,998,496, 8–29–61, Cl. 179—115.5.
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Haszeldine, Robert N. 1-iodo, 2-trifluoromethyl perfluorocycloalkanes. 2,992,279, 7–11–61, Cl. 260—648.
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Hatcher, Cecil W., to Concrete Sawing Equipment, Inc. Pavement cutting device having aligned abrasive blades. 3,007,688, 11–7–61, Cl. 262—20.
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Hauge, Hans M., and J. A. Pawlak, to Spencer Kellogg and Sons, Inc. Urethane modified drying oil. 2,970,062, 1–31–61, Cl. 106—123.
Haugen, Glenn L., and G. D. Wofford, to The Bendix Corp. Pulse width control for multivibrators. 2,975,300, 3–14–61, Cl. 307—88.5.
Haugh, James L. Bowling ball lettering machine. 3,002,447, 10–3–61, Cl. 101—4.
Haughawout, Leo C., to L. A. Young Spring and Wire Corp. Multiple band antenna. 2,967,300, 1–3–61, Cl. 343—750.
Haughey, Charles B. Lavatory mounting means. 3,011,177, 12–5–61, Cl. 4—170.
Haught, Glenn J.: *See*—
Simmons, Charles O., and Haught. 3,008,703.
Haughton, Ernest, ½ to The Lord Mayor, Aldermen and Citizens of the City of Liverpool. Load carrying vehicle. 3,006,492, 10–31–61, Cl. 214—510.

Haugland, Earl W. Starter for water skiers. 2,970,636, 2–7–61, Cl. 155—2.
Haugland, Glen D. Anti-glare device. 3,003,812, 10–10–61, Cl. 296—97.
Haugwitz, Otto, to Societe Anonyme Geoffroy-Delore. Reel-off and tension-regulating unit for multiple winding machines and tension-preadjusting system therefor. 2,969,205, 1–24–61, Cl. 242—75.43.
Haugwitz, Otto, to Societe Anonyme dite: Geoffrey-Delore. Bobbin frame mechanism. 2,987,268, 6–6–61, Cl. 242—158.4.
Haugwitz, Otto, to Societe Anonyme Geoffroy-Delore. Cable twisting system. 2,998,694, 9–5–61, Cl. 57—58.52.
Hauk, Ernest D., 15% to R. L. Gausewitz. Quick-connect coupling apparatus capable of containing fluids under high pressures. 3,006,379, 10–31–61, Cl. 138—89.
Hauk, Hans, R. Streeck, H. Bayer, and L. Belik, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Method of and apparatus for drying solid particles. 2,974,419, 3–14–61, Cl. 34—10.
Haulter, Earl M. Extension or trouble light with magnetic supporting means. 2,987,612, 6–6–61, Cl. 240—52.15.
Haumag Corp., The: *See*—
Jacobs, Arthur. 2,975,733.
Haumann, Ernst, and W. Lorenz, to Schuhmaschinen-Gesellschaft Hanke & Co. m.b.H. Shoe cementing press. 2,968,054, 1–17–61, Cl. 12—33.
Haun, Carl B., and H. N. Maupin, to Ben Pearson, Inc. Metering device. 2,995,274, 8–8–61, Cl. 221—211.
Hauni-Werke Korber & Co. K.G.: *See*—
Bodner, Fritz. 2,995,404.
Esenwein, Albert. 2,972,500.
Liedtke, Kurt. 2,991,604.
Peters, Otto. 2,987,064.
Pollmann, Max. 2,991,605.
Pollmann, Max. 2,994,251.
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Haunsperger, John V., to Lefebure Corp. Marking machine attachment. 2,986,994, 6–6–61, Cl. 101—101.
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Sandven, Joel N., and Haunsperger. 3,011,366.
Haupt, Eugene J.: *See*—
Harbage, Robert P., and Haupt. 2,997,834.
Haupt, Richard R., to Bristol-Myers Co. Tablet press. 2,970,554, 2–7–61, Cl. 107—17.
Haupt, Wilhelm, to Kienzle Apparate G.m.b.H. Recorder for different types of information. 3,000,687, 9–19–61, Cl. 346—7.
Haupt, Wilhelm, to Kienzle Apparate G.m.b.H. Taximeter drive means. 3,012,712, 12–12–61, Cl. 235—30.
Hauptmann, Vinzenz, to Mauser Kommandit-Gesellschaft. Reinforcing joint for a container. 2,982,460, 5–2–61, Cl. 229—5.6.
Hauptschein, Arthur, to United States of America, Navy. Multiband tail cap antenna. 2,968,038, 1–10–61, Cl. 343—708.
Hauptschein, Murray, to Pennsalt Chemicals Corp. 4-trifluoromethylsalicylamides. 2,967,194, 1–3–61, Cl. 260—473.
Hauptschein, Murray, to Pennsalt Chemicals Corp. Trifluoromethylsaliginen and self-condensation product thereof. 2,994,686, 8–1–61, Cl. 260—53.
Hauptschein, Murray, to Pennsalt Chemicals Corp. Polymeric material and method of making same. 3,004,961, 10–17–61, Cl. 260—92.1.
Hauptschein, Murray, to Pennsalt Chemicals Corp. Polymerization of vinylidene fluoride. 3,012,021, 12–5–61, Cl. 260—92.1.
Hauptschein, Murray, to Pennsalt Chemicals Corp. Nitrile compounds. 3,012,058. 12–5–61, Cl. 260—465.
Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Fluorinated organic compounds. 2,975,220, 3–14–61, Cl. 260—653.1.
Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Halogenated organic compounds. 3,002,030, 9–26–61, Cl. 260—653.
Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Halogenated organic compounds. 3,002,031, 9–26–61, Cl. 260—653.1.
Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Halogenated organic compounds. 3,006,973, 10–31–61, Cl. 260—653.8.
Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Organic fluorine compounds and process for making same. 3,008,966, 11–14–61, Cl. 260—327.
Hauptschein, Murray, and A. H. Fainberg, to Pennsalt Chemicals Corp. Production of fluorinated compounds. 3,009,966, 11–21–61, Cl. 260—653.5.
Hauptvogel, Herbert, to VEB Kamera-und Kinowerke Dresden. Small-size projector. 3,011,397, 12–5–61, Cl. 88—26.
Hauptvogel, Herbert, and E. Korf, to VEB Kamera-und Kinowerke Dresden. Enlarging apparatus with sharp focussing for several lenses of different focal length. 2,985,066, 5–23–61, Cl. 88—24.
Hauptvogel, Herbert, and E. Korf, to VEB Kamera-und Kinowerke Dresden. Enlargement indicators for photographic enlarging and reproducing apparatuses. 2,985,067, 5–23–61, Cl. 88—24.
Hauptvogel, Herbert, and E. Korf, to VEB Kamera- und Kinowerke Dresden. Electric drives for photographic enlarging and reproducing apparatus. 2,999,423, 9–12–61, Cl. 88—24.

Hauri, Paul, to Landis & Gyr A.G. Preset code receiver for central remote-control systems. 2,987,703, 6–6–61, Cl. 340—164.
Haus, Gerald S. Air pressure control valve. 2,987,071, 6–6–61, Cl. 137—230.
Hausammann, Werner, to Lear, Inc. Shock wave sensing device. 2,989,846, 6–27–61, Cl. 60—35.6.
Hause, Gilbert K.: *See*—
Kelley, Oliver K., and Hause. 2,995,215.
Kelley, Oliver K., Hause, and Wrigley. 3,008,171.
Hause, Gilbert K., to General Motors Corp. Variable speed fan drives. 2,974,768, 3–14–61, Cl. 192—82.
Hause, Gilbert K., to General Motors Corp. Transmission selector control. 2,983,160, 5–9–61, Cl. 74—473.
Hause, Gilbert K., to General Motors Corp. Transmission pump system. 3,006,148, 10–31–61, Cl. 60—52.
Hause, James A.: *See*—
Cutler, Frank A., Jr., Hause, and Sletzinger. 2,970,157.
Hause, Norman L.: *See*—
Gorton, Bert S., and Hause. 2,976,218.
Hauser, Albert H. Load handling boats. 2,997,188, 8–22–61, Cl. 214—15.
Hauser Champignonkulturen AG.: *See*—
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Hauser, Edward C., to Stone Container Corp. Adhesive applying machine. 3,008,449, 11–14–61, Cl. 118—212.
Hauser, Fred. Motor control for sequential operations. 2,983,857, 5–9–61, Cl. 318—39.
Hauser, Fred. Timing device. 3,012,444, 12–12–61, Cl. 74—125.
Hauser, Fred. Diaphragm actuated valve. 3,012,751, 12–12–61, Cl. 251—60.
Hauser, Joseph E.: *See*—
Simmons, Malcolm J., and Hauser. 2,985,256.
Hauser, Ralph I.: *See*—
Hacker, Philip S., and Hauser. 2,993,179.
Hauser, Ralph I., and E. T. Bridge, to United States of America, Navy. Dynamic balancing technique. 2,979,957, 4–18–61, Cl. 73—466.
Hauser, Robert L., to General Motors Corp. Internal combustion engine crankshaft sealing means. 2,969,779, 1–31–61, Cl. 121—194.
Hauser, Ulrich: *See*—
Sinden, James W., and Hauser. 2,994,160.
Hauser, Viola C. Garment shield. 3,001,201, 9–26–61, Cl. 2—56.
Hauserman, E. F., Co., The: *See*—
Fowles, Gilbert L. 2,990,037.
Häusermann, Heinrich, and J. Voltz, to J. R. Geigy, A.-G. Heterocyclic substituted coumarin colours. 3,014,041, 12–19–61, Cl. 260—304.
Haushalter, Fred L. Vibration damper. 2,977,819, 4–4–61, Cl. 74—574.
Haushalter, Fred L. Rubber torsional unit. 3,003,339, 10–10–61, Cl. 64—11.
Haushalter, Fred L. Bearing structure. 3,009,746, 11–21–61, Cl. 308—26.
Hausler, Christian. Machine for bending metal plates. 2,995,171, 8–8–61, Cl. 153—54.
Hausman, John M. Calender roll having adjustable crown. 2,970,339, 2–7–61, Cl. 18—2.
Hausmann, Edgar C. Outboard motor attachment. 2,972,977, 2–28–61, Cl. 115—42.
Hausmann, George F., to United Aircraft Corp. Variable-expansion nozzle. 3,010,280, 11–28–61, Cl. 60—35.6.
Hausmann, Günter: *See*—
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Hausmann, Werner, to VEB Schelpperwerk Nordhausen. Front-axle assembly for tractors and the like. 2,982,369, 5–2–61, Cl. 180—42.
Haüsmann, Werner, to VEB Schlepperwerk Nordhausen. Automotive air compressor. 3,005,354, 10–24–61, Cl. 74—44.
Hausner, Morton J., and E. C. Widden, to Eastman Kodak Co. Apparatus for controlling delooping of festooned paper. 3,008,620, 11–14–61, Cl. 226—14.
Haussermann, Kurt, to Lamellen-und Kupplungsbau August Haussermann. Cone-shaped spring of the Belleville spring type. 2,983,503, 5–9–61, Cl. 267—1.
Hauswirth, Vernon O., and M. H. Tuft, to Ford Motor Co. Side delivery rake. 3,009,306, 11–21–61, Cl. 56—377.
Hautau, Charles F.: *See*—
Hautau, Llewellyn A. and C. F. 2,968,088.
Hautau, Llewellyn A. Adhesive dispensing machine. 3,010,427, 11–28–61, Cl. 118—243.
Hautau, Llewellyn A. and C. F., to Paragon Electric Co. Method of forming timing motor shading rings. 2,968,088, 1–17–61, Cl. 29—155.57.
Hauth, Willard E., Jr.: *See*—
Pugh, Henry D., and Hauth. 2,977,561.
Hauth, Willard E., Jr., and B. V. Janakirama-Rao, to International Resistance Co. Dielectric constant of glasses containing titanium ions. 2,997,401, 8–22–61, Cl. 106—53.
Hauthal, Hermann: *See*—
Asinger, Friedrich, Thiel, and Hauthal. 3,004,981.
Hautly, Rudolph F. Means for recording forces to which shipped articles are subjected. 2,976,732, 3–28–61, Cl. 73—492.
Hautmann, Heinrich, and E. Pfaffenberger, to P. Gossen & Co. G.m.b.H. Automatic iris control and indicating unit for cameras. 2,999,446, 9–12–61, Cl. 95—64.
Hautzenroeder, Richard W., to Massey-Ferguson Inc. Device for detecting slip in a torque converter. 2,975,633, 3–21–61, Cl. 73—116.
Havard, Robert H., to Columbian Carbon Co. Carbon black manufacture. 2,980,511, 4–18–61, Cl. 23—209.4.
Haveg Industries, Inc.: *See*—
Moore, James F. 2,995,803.
Havelka, Karel, V. Koran, J. Vanicek, and M. Ziegler, to Zavody V. I. Lenina Plzen, narodni podnik. Arangement for dissipating heat generated in the field coils. 2,974,239, 3–7–61, Cl. 310—61.
Havely, Theodore W.: *See*—
Sprague, Stanley R., and Havely. 2,982,734.
Havemann, Robert A., and L. N. Brown, to St. Regis Paper Co. Packaging machine. 2,993,314, 7–25–61, Cl. 53—58.
Havemeyer, Frederick C., 2nd. Fish holder. 2,997,805, 8–29–61, Cl. 43—53.5.
Haven, Alfred C., Jr.: *See*—
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Haven, Edward S., and R. A. Brooks, to Norton Co. Abrasive devices. 2,978,845, 4–11–61, Cl. 51—193.5.
Haven Mfg. Corp.: *See*—
Williamson, Robert W. 2,999,526.
Havener, Leslie N., to Erico Products, Inc. Suspension clip. 3,003,735, 10–10–61, Cl. 248—228.
Havens, Byron L.: *See*—
Deerhake, William J., and Havens. 2,997,693.
Deerhake, William J., Havens, and Schreiner. 2,970,764.
Schreiner, Kenneth E., and Havens. 2,987,253.
Havens, Byron L., to International Business Machines Corp. Read-write amplifier system. 2,978,686, 4–4–61, Cl. 340—174.1.
Havens, Byron L., to International Business Machines Corp. Code converter circuit. 2,994,076, 7–25–61, Cl. 340—347.
Havens, Carl B.: *See*—
Clark, Gerald A., and Havens. 3,000,855.
Havens, Carl B., to The Dow Chemical Co. Process for producing stable haloethylene polymers. 2,973,347, 2–28–61. Cl. 260—87.7.
Havens, Carl B., to The Dow Chemical Co. Composition of matter comprising a vinylidene chloride copolymer and a plasticizer. 2,977,335, 3–28–61, Cl. 260—32.8.
Havens, Carl B., to The Dow Chemical Co. Thermoplastic compositions having improved light stability. 3,000,853, 9–19–61, Cl. 260—45.95.
Haverlender, Karl. Change-speed gear unit for motor vehicles. 2,975,656, 3–21–61, Cl. 74—745.
Haverstick, Merral P., to National Rejectors, Inc. Coin separators. 2,973,074, 2–28–61, Cl. 194—9.
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Haviland, Girard S., and D. J. McCarthy, to The Jacobs Mfg. Co. Key drive coupling for machine spindle. 2,996,302, 8–15–61, Cl. 279—97.
Haviland, Thomas J., to United States of America, Navy. Tube holder and contactor for electrical and vibration tests of sub-miniature radio tubes. 2,974,275, 3–7–61, Cl. 324—20.
Haville, George D., to Hughes Aircraft Co. Method and apparatus for testing electron tubes. 2,996,659, 8–15–61, Cl. 324—24.
Havlin, Clarence J. Adjustable shotgun choke control. 2,984,926, 5–23–61, Cl. 42—79.
Hawaiian Development Co. Ltd.: *See*—
Henderson, John T., and Knapp. 3,013,935.
Hinrichs, Delmer D., Schmidt, and Wethern. 3,013,932.
Wethern, James D., and Captein. 3,013,931.
Haward, Robert N., to Shell Oil Co. Isotatic polystyrene compositions. 3,014,887, 12–26–61, Cl. 260—45.5.
Haward, Robert N., D. Katz, and A. N. Roper, to Shell Oil Co. Adhesive composition comprising the reaction product of a vinyl pyridine and a rubber and method of making same. 2,991,258, 7–4–61, Cl. 260—4.
Haward, Robert N., and T. H. Boultbee, to Shell Oil Co. Polyamine stabilizers for polymerized alphaolefins. 2,994,675, 8–1–61, Cl. 260—23.
Hawes, Alan B. Elevated railway. 2,997,965, 8–29–61, Cl. 104—120.
Hawk Bilt Mfg. Corp.: *See*—
Elwick, Keith D. 2,994,485.
Hawk, Charles E., to Grayhill. Electrical jack. 2,992,403, 7–11–61, Cl. 339—213.
Hawk, Elwin A., Jr.: *See*—
Hawk, Elwin A., Sr. 2,967,645.
Hawk, Elwin A., Sr., ¼ to E. A. Hawk, Jr., ¼ to J. L. Reto, and ¼ to G. A. Hawk. Self-loading grease gun. 2,967,645, 1–10–61, Cl. 222—325.
Hawk, Gale F., and G. S. Kiester, to The Aro Equipment Corp. Suspension system liquid oxygen converter. 2,981,434, 4–25–61, Cl. 220—15.
Hawk, George A.: *See*—
Hawk, Elwin A., Sr. 2,967,645.
Hawk, James P.: *See*—
Martin, James C., and Hawk. 2,972,629.
Hawk, James P., E. B. Towne, and J. B. Dickey to Eastman Kodak Co. Preparation of dialkyl phosphoric acids. 2,980,724, 4–18–61, Cl. 260—461.
Hawkes, Harold R., to Sylvania Electric Products Inc. Apparatus for orienting and feeding articles. 3,012,651, 12–12–61, Cl. 198—33.
Hawkes, Joseph S., and W. M. Sanderson, to The Goodyear Tire & Rubber Co. Method and apparatus for making diaphragms. 2,983,954, 5–16–61, Cl. 18—17.
Hawkins, Charles A. Precision lapping device. 2,998,676, 9–5–61, Cl. 51—45.

Hawkins, David M., and D. E. Abell, to Westinghouse Electric Corp. Control apparatus for control of the traverse of a hot saw. 2,989,674, 6–20–61, Cl. 318—39.

Hawkins, Edwin G. E., to The Distillers Co. Ltd. Process for the production of 3-chloro-4-hydroxytetrahydrofuran. 2,993,914, 7–25–61, Cl. 260—347.8.

Hawkins, Elgrin C. Roof anchor. 2,993,571, 7–25–61, Cl. 189—34.

Hawkins, H. F., & Son Co., The: *See*—
Hawkins, Herschel F. 2,986,356.

Hawkins, Harold M.: *See*—
Haya, George E., and Hawkins. 2,988,575.
Moon, John J., and Hawkins. 2,993,599.

Hawkins, Harold M., to Phillips Petroleum Co. Polymerization process. 3,004,016, 10–10–61, Cl. 260—93.7.

Hawkins, Havilah S. Machine tool carriage locking means. 3,012,304, 12–12–61, Cl. 29—1.

Hawkins, Havilah S. Work feed for band saws. 3,014,510, 12–26–61, Cl. 143—26.

Hawkins, Herschel F., to The H. F. Hawkins & Son Co. Reel. 2,986,356, 5–30–61, Cl. 242—118.6.

Hawkins, Ira J. Mechanical horse. 2,982,559, 5–2–61, Cl. 280—1.182.

Hawkins, Jacob W. Tool for aligning pipe and pipe fittings. 2,977,916, 4–4–61, Cl. 113—102.

Hawkins, James E., and S. W. Wilcox, to Seismograph Service Corp. Method and apparatus for continuous geophysical exploration. 2,990,904, 7–4–61, Cl. 181—.5.

Hawkins, John N. A., to United States of America, Navy. Differentially sensitive sonic detector. 2,987,700, 6–6–61, Cl. 340—6.

Hawkins, Raymond C.: *See*—
Winzen, Otto C., and Hawkins. 2,967,677.

Hawkins, Rodney A. Venetian blind apparatus for mounting on the interior of the rear window of a motor car. 3,008,519, 11–14–61, Cl. 160—169.

Hawkins, Ronald E., and G. R. Pendl, to The Bendix Corp. Molding unit. 3,011,232, 12–5–61, Cl. 22—165.

Hawkins, Thane E., and S. E. Weikal, to Talon, Inc. Shoe fastening device. 2,978,774, 4–11–61, Cl. 24—207.

Hawkins, Wallace H. Vehicle towing equipment. 3,000,652, 9–19–61, Cl. 280—406.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Alpha olefin hydrocarbons stabilized with carbon black and a carbocyclic thioether. 2,967,845, 1–10–61, Cl. 260—41.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Alpha olefin polymers stabilized with fused ring sulfide compounds. 2,967,846, 1–10–61, Cl. 260—41.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Alpha olefin hydrocarbons stabilized with carbon black and a compound having R-S-S-R structure. 2,967,847, 1–10–61, Cl. 260—41.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Alpha-olefin hydrocarbons stabilized with carbon black and a compound having $R(SH)_x$ structure. 2,967,848, 1–10–61, Cl. 260—41.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Stabilized straight chain hydrocarbons. 2,967,849 1–10–61, Cl. 260—41.

Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Compositions of stabilized straight chain hydrocarbons containing carbon black and a compound having R-S-S-R structure. 2,967,850, 1–10–61, Cl. 260—41.

Hawkins, Westel E.: *See*—
Allen, John W., and Hawkins. 3,010,698.

Hawkinson, Earle W., to Paul E. Hawkinson Co. Method of forming a tread on a pneumatic tire casing. 2,990,874, 7–4–61, Cl. 154—14.

Hawkinson, Paul E., Co.: *See*—
Hawkinson, Earle W. 2,990,874.

Hawkridge Metals Corp.: *See*—
Whitehurst, Bert W. 2,976,808.

Hawksley, Will, to Tate & Lyle Ltd. Refining of sugar. 2,984,591, 5–16–61, Cl. 127—56.

Hawley, Charles H. Breathing and viewing apparatus. 3,009,462, 11–21–61, Cl. 128—141.

Hawley, Edward H., and T. E. Crawford, to Kearny & Trecker Corp. Machine tool. 3,008,382, 11–14–61, Cl. 90—15.1.

Hawley, George P.: *See*—
Poorman, Richard M., Hawley, and Sargent. 3,004,822.

Hawley, Harold M., F. E. Arthur, and G. F. Allen, to The Dow Chemical Co. Asphalt-oil-rubber composition. 2,996,467, 8–15–61, Cl. 260—28.5.

Hawley, Harry C.: *See*—
Ford, Wilbur E., and Hawley. 2,983,970.

Hawley, Jesse G., to The Goodyear Tire & Rubber Co. Displacement saver. 2,974,493, 3–14–61, Cl. 60—54.5.

Hawley, John B. Spool. 2,974,896, 3–14–61, Cl. 242—118.4.

Hawley, Mones E., and E. D. Simshauser, to Radio Corp. of America. Noise reduction system. 2,972,018, 2–14–61, Cl. 179—1.

Hawley Products Co.: *See*—
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Mayne, Charles H. 3,007,842.

Hawley, Richard A., to Meat Packers Equipment Co. Smoke generator. 3,000,373, 9–19–61, Cl. 126—59.5.

Hawley, Roger S., and R. E. Clayton, to Esso Research and Engineering Co. Composite laminated structures. 2,992,670, 7–18–61, Cl. 152—330.

Haworth, Lionel, to Rolls-Royce Ltd. Control mechanisms for variable-pitch propellers. 2,978,035, 4–4–61, Cl. 170—135.74.

Haworth, Lionel, to Rolls-Royce Ltd. Bladed rotor for axial-flow fluid machine. 2,978,168, 4–4–61, Cl. 230—132.

Haworth, Lionel, R. J. Shire, and D. McLean, to Rolls-Royce Ltd. Propeller driving gas-turbine engines. 2,977,758, 4–4–61, Cl. 60—39.31.

Haworth, Lionel, and R. J. Shire, to Rolls-Royce Ltd. Stator vane assembly for axial-flow fluid machine. 2,982,519, 5–2–61, Cl. 253—78.

Haworth, Lionel, D. McLean, P. B. Smith, and R. M. Heathcote, to Rolls-Royce Ltd. Propeller-driving power plant including torque-responsive means. 2,988,153, 6–13–61, Cl. 170—135.72.

Haworth, Lionel, J. A. Petrie, and F. Moss, to Rolls-Royce Ltd. Bladed rotor of axial-flow fluid machine with means to retain blades in position on rotor. 2,998,959, 9–5–61, Cl. 253—77.

Haws, Ernest R. Foldable partition. 2,987,121, 6–6–61, Cl. 160—188.

Hawthorn-Mellody, Inc.: *See*—
Stewart, Aubrey P., Jr., Johnson, and Anderson. 3,008,840.

Hawthorne, Brian J.: *See*—
Lincoln, James, Hawthorne, and Kowolik. 2,974,122.

Hawthorne, John O., and M. H. Wilt, to United States Steel Corp. Method of making the lactone of 2-hydroxybiphenyl-2'-carboxylic acid. 2,971,962, 2–14–61, Cl. 260—343.2.

Hawthorne, John O., and E. L. Mihelic, Sr., to United States Steel Corp. Method of making 9-fluorenone. 2,971,982, 2–14–61, Cl. 260—590.

Hawthorne, John O., and E. L. Mihelic, to United States Steel Corp. Method of making 2,3-diphenyldibenz[F,H]quinoxaline. 2,988,549, 6–13–61, Cl. 260—250.

Hawthorne, John O., and M. H. Wilt, to United States Steel Corp. Method of making 2,2'-biphenyl lactone. 2,996,519, 8–15–61, Cl. 260—343.2.

Hawthorne, William R., and J. C. S. Shaw, to Dracone Developments Ltd. Vessels for transporting or storing liquids or fluidisable solids. 2,997,973, 8–29–61, Cl. 114—74.

Hawthorne, William R., and J. C. S. Shaw, to Dracone Developments Ltd. Flexible barges. 2,998,793, 9–5–61, Cl. 114—74.

Hawthorne, William R., and J. C. S. Shaw, to Dracone Developments Ltd. Flexible barges. 3,001,501, 9–26–61, Cl. 114—74.

Hawtin, Philip R.: *See*—
Crampsey, Edward, Grady, and Hawtin. 2,982,681.

Hawtin, Selwyn G.: *See*—
Groombridge, Dennis W., Hawtin, and Downing. 2,968,834.

Hawtin, Selwyn G., E. J. Upton, and J. Downing, to British Celanese Ltd. Apparatus for rolling fibrous rod-like material. 3,001,231, 9–26–61, Cl. 18—11.

Haxo, Henry E., Jr.: *See*—
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Haxton, Manford R., L. M. Lovell, and J. L. Kitchens, Jr., to Standard Oil Co. Method for safety-sealing valves. 2,989,462, 6–20–61, Cl. 208—140.

Hay, Allan S., to General Electric Co. Catalytic oxidation of aralkyl compounds. 2,992,271, 7–11–61, Cl. 260—524.

Hay, Allan S., to General Electric Co. Preparation of carbonyl olefins. 2,992,272, 7–11–61, Cl. 260—533.

Hay, Bernard F., to Dale Products, Inc. Bobbin type electrical resistor. 2,993,186, 7–18–61, Cl. 338—261.

Hay, Charles N., to General Motors Corp. Separator for antifriction bearing. 2,987,350, 6–6–61, Cl. 308—201.

Hay, Frederick W., and R. T. Bigler. Universal template for outlining openings in wallboard. 2,992,490, 7–18–61, Cl. 33—174.

Hay, Horace E., to Atlas Powder Co. Bridge wire positioning and welding apparatus and method. 2,994,244, 8–1–61, Cl. 86—1.

Hay, Warren H., to Sylvania Electric Products Inc. Projection lamp. 2,994,799, 8–1–61, Cl. 313—113.

Hay, Wayne W., to Air Reduction Co., Inc. Adapter fitting for anesthetic administering circuits. 2,989,960, 6–27–61, Cl. 128—188.

Hayao, Shin, to Miles Laboratories, Inc. Phenylpiperazinylalkyl amides. 3,005,821, 10–24–61, Cl. 260—268.

Hayashi, Sadao: *See*—
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Takamizawa, Akira, Tokuyama, Nakajima, Hayashi, and Sato. 2,994,696.

Hayashi, Tateki, and S. Tsutsumi, to Chiyoda Chemical & Engineering Construction Co., Ltd. Process for synthesizing ethylene. 2,973,384, 2–28–61, Cl. 260—449.6.

Hayden, Boyd. Adjustable hook for harness frame. 2,982,314, 5–2–61, Cl. 139—88.

Hayden, Howard A., to Hayden Twist Drill Co. Method and machine for producing twist drills. 2,985,041, 5–23–61, Cl. 80—6.

Hayden, Leonard O.: *See*—
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Hayden, Stephen. Welding contactor. 3,013,143, 12–12–61, Cl. 219—130.

Hayden Twist Drill Co.: *See*—
Hayden, Howard A. 2,985,041.

Haydn, Hildegard: *See*—
Miller, Alfred, and Haydn. 2,999,750.

Haydn, Hildegard, and A. von Konig, to Agfa Aktiengesellschaft. Process for the production of non-laterally reversed positive copies by heat development. 2,971,840, 2–14–61, Cl. 96—29.
Haydn, Hildegard, and A. von König, to Agfa Aktiengesellschaft. Process for the production of laterally non-reversed positive copies by heat development. 3,007,795, 11–7–61, Cl. 96—29.
Haydock, Raymond, to R. Haydock, trustee. Caster insert socket. 2,992,449, 7–18–61, Cl. 16—43.
Haydon, Arthur W., to Consolidated Electronics Industries Corp. Cyclic switching mechanism. 2,972,662, 2–21–61, Cl. 200—38.
Haydon, Arthur W., to The Sessions Clock Co. Open-face clock. 2,976,674, 3–28–61, Cl. 58—126.
Haydon, Arthur W. Snap action switch. 2,977,436, 3–28–61, Cl. 200—67.
Haydon, Arthur W., to Consolidated Electronics Industries Corp. Chronometric governor. 3,013,196, 12–12–61, Cl. 318—311.
Haydon, Arthur W., and H. T. Winchel, to Consolidated Electronics Industries Corp. Portable clock-radio alarm system. 2,999,928, 9–12–61, Cl. 250—20.
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Bell, William C., Dunn, Haydon, Plint, and Searle. 2,968,174.
Haydon Switch, Inc.: *See*—
Korsgren, Theodore Y., Sr., and T. Y. Korsgren, Jr. 2,977,447.
Hayes, Albert E., Jr., to Ampex Corp. Pulse rectifier and phase inverter. 2,972,065, 2–14–61, Cl. 307—88.5.
Hayes, Albert E., Jr., to General Mills, Inc. Method and system for determining miss distance. 2,992,422, 7–11–61, Cl. 343—6.
Hayes, August R., to Moline Tool Co. Tapping tool spindle adapted for support in spaced journals. 3,004,271, 10–17–61, Cl. 10—129.
Hayes, August R., to The Moline Tool Co. Rough and finish boring machines. 3,011,368, 12–5–61, Cl. 77—4.
Hayes, Brice E. System of aligning railroad track. 3,000,099, 9–19–61, Cl. 33—60.
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Westeren, Herbert W. 2,975,860.
Westeren, Herbert W. 2,979,828.
Hayes, Carl I. Method of heat treatment using dual atmosphere apparatus. 2,992,147, 7–11–61, Cl. 148—16.
Hayes, Ell E. Electric appliance. 2,981,821, 4–25–61, Cl. 219—44.
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Woodruff, Joseph B. 2,969,774.
Hayes, Frank. Combination metal storm window with roller screen. 3,008,518, 11–14–61, Cl. 160—27.
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Hayes, Grant B. Traction attachment for an automobile wheel. 2,981,303, 4–25–61, Cl. 152—228.
Hayes, Henry L. Torque clutch. 2,966,973, 1–3–61, Cl. 192—56.
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Hayes, Kenyon J., and J. G. Michels, to The Norwich Pharmacal Co. Method of preparing methyl 5-nitro-2-furyl ketone. 2,976,300, 3–21–61, Cl. 260—347.8.
Hayes, Lloyd M. Adjustable drawer guide. 2,985,491, 5–23–61, Cl. 308—3.8.
Hayes, Louie W., and A. L. Gottily, to The Chemstrand Corp. Transfer tail anchoring device. 2,987,267, 6–6–61, Cl. 242—125.1.
Hayes, Oliver W., to National Research Corp. Vacuum coating apparatus. 2,975,753, 3–21–61, Cl. 118—49.
Hayes, Richard D., and D. E. Clark, to National Distillers and Chemical Corp. Method and apparatus for making bags. 3,008,865, 11–14–61, Cl. 156—510.
Hayes, Richmond S., Jr., to Carrier Corp. Seal for a rotating eliminating device. 2,975,861, 3–21–61, Cl. 103—24.
Hayes, Robert A., to Union Special Machine Co. Sewing machines. 2,973,732, 3–7–61, Cl. 112—163.
Hayes, Robert A., and F. M. Smith, to The Firestone Tire & Rubber Co. Rubbery copolymers containing minor amounts of a monomethacrylate ester of an alkylene glycol. 2,971,946, 2–14–61, Cl. 260—78.4.
Hayes, Robert M., and J. B. Wiener, to The Magnovox Co. Card processing system. 2,988,216, 6–13–61, Cl. 209—72.
Hayes, Robert M., and J. B. Wiener, to The Magnavox Co. Card processing system and apparatus. 2,997,174, 8–22–61, Cl. 209—72.
Hayes, Stanley W., to Hayes Track Appliance Co. Bumping post. 2,991,727, 7–11–61, Cl. 104—254.
Hayes, Thomas E. Money counting machine. 2,971,694, 2–14–61, Cl. 235—92.
Hayes Track Appliance Co.: *See*—
Hayes, Stanley W. 2,991,727.
Hayes, William S., to General Motors Corp. Warning devices. 2,992,419, 7–11–61, Cl. 340—263.
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Hayman, Richard L., D. W. Driskel, and D. C. Hill, to Haskel Engineering Associates. Hydraulic control system with safety means. 2,968,282, 1–17–61, Cl. 121—38.
Haymes, William G., and A. C. Keathley, to Phillips Petroleum Co. Reinforced propellant grains and rocket motors containing same. 2,995,091, 8–8–61, Cl. 102—98.
Hayner, Paul F., to Sanders Associates, Inc. Two-stage, differential, hydraulic servo valve. 2,972,999, 2–28–61, Cl. 137—85.
Hayner, Paul F., to Sanders Associates, Inc. 2-stage hydraulic servo valve. 2,989,987, 6–27–61, Cl. 137—623.
Hayner, Paul F., to Sanders Associates, Inc. Electrical contact. 3,008,023, 11–7–61, Cl. 200—152.
Hayner, Paul F., to Minneapolis-Honeywell Regulator Co. Hydraulic control apparatus for aircraft flight control apparatus. 3,011,740, 12–5–61, Cl. 244—83.
Hayner, Paul F., and G. J. Shomphe, to Sanders Associates, Inc. Two stage hydraulic servo valve. 3,000,363, 9–19–61, Cl. 121—46.5.
Haynes, Anthony C. R., to Haynes & Haynes Ltd. Measuring and testing apparatus. 2,992,391, 7–11–61, Cl. 324—61.
Haynes, Anthony C. R., to Haynes and Haynes Ltd. Measuring and testing apparatus. 2,992,392, 7–11–61, Cl. 324—61.
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Haynes, Anthony C. R. 2,992,392.
Haynes, James B., and C. H. Lanphier, to Sangamo Electric Co. Echo ranging system. 2,991,445, 7–4–61, Cl. 340—1.
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Haynes, Raymond E. Hiller blades for farm cultivators. Re. 25,074, 10–31–61, Cl. 172—770.
Haynes, Robert E.: *See*—
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Haynes, Virgil D. Key holder. 3,009,350, 11–21–61, Cl. 70—456.
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Hays, Charles E., to H. D. Hudson Mfg. Co. Hand sprayer. 2,980,343, 4–18–61, Cl. 239—331.
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Hays, Lawrence S. Live bait aerator. 2,970,401, 2–7–61, Cl. 43—57.
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Kingsley, David G., Rice, and Hayward. 2,999,614.
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Haywood, Leslie R., to Atomic Energy of Canada Ltd. Radioactivity monitor. 2,971,089, 2–7–61, Cl. 250—43.5.
Hayworth, Curtis B.: *See*—
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Hazard, Frederick E. Temperature-controlled system for transport containers. 2,973,186, 2–28–61, Cl. 257—291.
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Bailey, William F. 2,996,717.
Bailey, William F., Burr, and Hallden. 3,009,015.
Bailey, William F., Farber, and Mazzochi. 2,980,795.
Bailey, William F., Loughlin, and MacWhirter. 3,002,048.
Bailey, William F., Loughlin, and Page. 2,976,348.
Burr, Robert P. 2,995,620.
Curtis, Richard C. 2,998,483.
Farber, Richard J. 2,987,367.
Hilbourne, Robert A. 2,980,865.
Hirsch, Charles J. 2,977,407.
Hirsch, Charles J. 2,996,707.
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La Rosa, Richard. 2,990,544.
Lewis, Harold M. 2,982,957.
Loughlin, Bernard D. 2,976,351.
Loughlin, Bernard D. 2,976,409.
Loughlin, Bernard D. 2,987,617.
Loughlin, Bernard D. 3,002,049.
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Marley, John. 2,969,470.
Orlando, Ronald A. 2,998,605.
Richman, Donald. 2,976,350.
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Richman, Donald. 2,996,712.
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White, John R. 2,996,572.
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Hazen, Wayne C., and A. V. Henrickson, to Kerr-McGee Oil Industries, Inc. Hydrometallurgical process. 2,994,580, 8–1–61, Cl. 23—14.5.
Hazlett, Russell J. Motor driven aquarium pump. 2,968,963, 1–24–61, Cl. 74—206.
Hazlett, William S., to Bell Telephone Laboratories, Inc. Code converter. 2,973,510, 2–28–61, Cl. 340—347.
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Hazzard, Harry I., to McCulloch Corp. Carburetor for internal combustion engines. 2,984,465, 5–16–61, Cl. 261—37.
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Healy, Joseph F., to Harvey Hubbell Inc. Electrical connectors for industrial uses. 2,986,612, 5–30–61, Cl. 200—51.
Healy, Thomas A., to The S. K. Wellman Co. Friction composition. 3,008,225, 11–14–61, Cl. 29—182.5.
Healy, Thomas V., to The United Kingdom Atomic Energy Authority. Method of producing caesium carbonate and caesium sulphate from aqueous nitric acid solution of fission products. 2,980,503, 4–18–61, Cl. 23—63.
Heaney, Joseph W., to United States of America, Army. Dual bullet velocity measuring system. 2,989,695, 6–20–61, Cl. 324—70.
Heaney, Joseph W., and A. N. Benson, to United States of America, Army. Light responsive actuating device. 3,009,103, 11–14–61, Cl. 324—68.
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Heath, Carl E., Jr., and P. J. Lucchesi, to Esso Research and Engineering Co. Radioalkylation of normal paraffins. 2,978,397, 4–4–61, Cl. 204—162.
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Heblij, Hendrik J., to The Forgrove Machinery Co. Ltd. Packaging machines. 3,001,350, 9–26–61, Cl. 53—245.
Hechelhammer, Wilhelm, and G. Peilstöcker, to Farbenfabriken Bayer Aktiengesellschaft. Process for manufacture of vacuum moulded parts of high molecular weight thermoplastic polycarbonates. 2,991,273, 7–4–61, Cl. 260—47.
Hechinger, Josef. Method of cultivating a fruit hedge from grafted wood. 2,988,850, 6–20–61, Cl. 47—6.
Hechinger, Josef. Method of propagating of fruit trees entirely growing on their own roots. 3,012,372, 12–12–61, Cl. 47—58.
Hechler, Valentine, IV, to Webcor, Inc. Relay gate. 2,986,677, 5–30–61, Cl. 317—148.5.
Hechler, Valentine, IV, to Webcor, Inc. Detection circuit. 3,003,088, 10–3–61, Cl. 317—151.
Hechler, Valentine IV, to Webcor, Inc. Dispensing apparatus. 3,011,680, 12–5–61, Cl. 221—109.
Hecht, Ferdinand. Device for producing cam surfaces with merging sine-shaped portions. 2,973,696, 3–7–61, Cl. 90—15.
Heck, Adolph, to Reichhold Chemicals, Inc. Coating compositions. 3,001,959, 9–26–61, Cl. 260—18.
Heck, John A., to Koppers Co., Inc. Shaft seal. 2,986,414, 5–30–61, Cl. 286—11.11.
Heck, Richard F., to Hercules Powder Co. Crystalline polymer. 3,014,013, 12–19–61, Cl. 260—91.1.
Heckathorn, Loyd E., to Towner Mfg. Co. Soil injection apparatus. 2,988,026, 6–13–61, Cl. 111—7.
Heckel, John T., Jr., to Indiana Gear Works, Inc. Rudder mechanism. 2,992,623, 7–18–61, Cl. 114—165.
Heckendorf, Howard A., to General Motors Corp. Anti-skid device. 3,014,764, 12–26–61, Cl. 303—21.
Heckenkamp, Edward B., to Allis-Chalmers Mfg. Co. Tractor-implement fluid operated weight transfer system. 3,013,617, 12–19–61, Cl. 172—8.
Hecker, Arthur C.: *See*—
Leistner, William E., Hecker, and Knoepke. 2,997,454.
Heckerman, Pearl M. G. Flexible shutter telescoping type door and window awning. 2,967,567, 1–10–61, Cl. 160—62.
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Thomka, Laddie M., and Heckeroth. 2,993,036.
Heckert, Richard E., and W. J. Middleton, to E. I. du Pont de Nemours and Co. Dicyanoketene cyclic acetals and process for preparation. 2,980,698, 4–18–61, Cl. 260—340.7.
Heckethorn, John E., to Heckethorn Mfg & Supply Co. Auxiliary spring suspensions. 2,999,678, 9–12–61, Cl. 267—8.
Heckethorn Mfg. & Supply Co.: *See*—
Heckethorn, John E.. 2,990,678.
Heckle, William A.: *See*—
Burleson, James C., Heckle, and Withrow. 2,998,464.
Heckler, Clarence H., Jr., to Radio Corp. of America. Mount for ring cores. 2,983,886, 5–9–61, Cl. 336—92.
Heckly, Robert J. Water-content testing device. 2,976,722, 3–28–61, Cl. 73—76.
Heckmaier, Joseph: *See*—
Bauer, Hans, and Heckmaier. 3,012,005.
Heckmaier, Joseph, and A. Stoll, to Wacker-Chemie G.m.b.H. Process for making polyvinylbutyracetal resins which are capable of being cast. 2,981,718, 4–25–61, Cl. 260—73.
Heckman, Donald R., to F. A. Long Co. Boat trailer. 2,968,413, 1–17–61, Cl. 214—505.
Heckman, John A. Paper roll mounting mechanism. 3,007,652, 11–7–61, Cl. 242—72.
Heckman, Thomas P., to United States of America, Atomic Energy Commission. Boiler-superheater reactor. 2,982,712, 5–2–61, Cl. 204—193.2.
Heckscher, Helmut, ½ to J. C. Chognard. Device to view a photographic negative as a positive image. 2,996,617, 8–15–61, Cl. 250—71.
Hecox, William, and C. C. Gebhardt, to The Sheffield Corp. Voltage classifier. 2,972,126, 2–14–61, Cl. 340—172.
Hector, Russell: *See*—
Benson, Alfred D., Schlottmann, and Hector. Re. 25,098.
Hedberg, Carl W.: *See*—
Cavanagh, Patrick E., and Hedberg. 2,990,124.
Hedberg, Carl W., and R. G. Streuber, to Research Corp. Gas-solid contactor. 2,976,130, 3–21–61, Cl. 23—284.
Hedberg, Harold S.: *See*—
Saunders, George H., and Hedberg. 2,968,589.
Hedbrandh, Eric A. Apparatus for sewing neckties. 3,000,334, 9–19–61, Cl. 112—174.
Hedde, André F., to Societe Nouvelle de Metallisation. Feeding arrangement for metal spray gun. 2,973,892, 3–7–61, Cl. 226—184.
Heddon's, James, Sons.: *See*—
Lund, Trygve C. 2,979,850.
Hedegaard, Kristen N. A.: *See*—
Winz, Karl, and Hedegaard. 2,977,908.
Hedeman, Robert M. Multi-flavor drink dispenser. 3,009,653, 11–21–61, Cl. 239—434.
Hedén, Björn H., to F. V. Hasselblad. Mirror reflex cameras. 2,992,601, 7–18–61, Cl. 95—42.
Hedén, Björn H., to F. V. Hasselblad. Mirror reflex cameras. 2,992,602, 7–18–61, Cl. 95—42.
Heden, Carl G., to Biochemical Processes, Inc. Method and means for treatment of a liquid with a gaseous medium, or vice versa. 2,995,497, 8–8–61, Cl. 195—95.
Hedenskoog, Ernest, D. A. Norberg, and A. E. Johnson, to The Brunswick Automatic Pinsetter Corp. Bowling pin and ball elevating and delivering mechanism. 2,967,707, 1–10–61, Cl. 273—43.
Hedenskoog, Ernest, D. A. Norberg, and A. E. Johnson, to The Brunswick Automatic Pinsetter Corp. Completely automatic pin setting and ball return mechanism for bowling alley. 2,991,078, 7–4–61, Cl. 273—43.
Hedge, Frank: *See*—
Burk, Robert L., and Hedge. 3,006,093.
Hedges, Carl D. Foldable stretcher. 2,999,251, 9–12–61, Cl. 5—82.
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Balaguer, Rodolfo R. 2,993,977.
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Hedges, William M.: *See*—
Bourns, Marlan E., Harrison, Hedges, and Goeppinger. 2,984,803.
Hedgpeth, Joel: *See*—
McGugin, Frank W., and Hedgpeth. 3,005,288.
Hedgren, Arthur W., to H. H. Robertson Co.. Wire distributing cellular metal floor. 2,975,559, 3–21–61, Cl. 50—70.
Hedin, Milton W., to Minnesota Mining and Mfg. Co. Sleeve-style box. 3,013,653, 12–19–61, Cl. 206—52.
Hedlund, Henry W., to Hedlund Mfg. Co. Adjustable ski harness. 3,010,125, 11–28–61, Cl. 9—310.
Hedlund Mfg. Co.: *See*—
Hedlund, Henry W. 3,010,125.
Hedlund, Ronald W., to Donald F. Duncan, Inc. Article of furniture. 3,001,750, 9–26–61, Cl. 248—165.
Hedquist, Albert J., and L. A. Mitchell. Motor starting winding switch. 2,992,305, 7–11–61, Cl. 200—87.
Hedrick, Cecil L. Can cover lock. 2,984,511, 5–16–61, Cl. 292—258.
Hedrick, Glen W.: *See*—
Parkin, Bernard A., Jr., and Hedrick. 3,010,944.
Hedrick, Glen W., to United States of America, Agriculture. Mercerizing compositions containing pinonic acid. 2,974,002, 3–7–61, Cl. 8—125.
Hedrick, Glen W. Amino acid containing a cyclobutane ring and method of preparation. 3,005,842, 10–24–61, Cl. 260—468.
Hedrick, Ross M.: *See*—
Zopf, George W., Jr., Johnson, Hedrick, Fields, and Butler. 2,977,334.
Hedrick, Ross M., and E. H. Mottus, to Monsanto Chemical Co. Solid rocket propellants containing polylactams. 2,992,908, 7–18–61, Cl. 52—.5.
Hedrick, Warren R., to Midland-Ross Corp. Louver construction. 2,967,337, 1–10–61, Cl. 20—63.
Hedström, Fritz U., to Sandvikens Jernverks Aktiebolag. Rock drill bit and method of manufacturing same. 2,979,993, 4–18–61, Cl. 90—11.42.
Hedstrom Union Co.: *See*—
Boudreau, Alban M. 2,997,308.
Hedtmann, Eugen: *See*—
Schiller, Erwin, and Hedtmann. 2,989,257.
Hedwin Corp.: *See*—
Winstead, Thomas W. 2,985,915.
Heeger, Robert B., to A. O. Smith Corp. Water heating system. 3,007,470, 11–7–61, Cl. 126—362.
Heel, Werner, and K. Zelle, to C. H. Boehringer Sohn. Preparation of substituted tetrahydrooxazines. 2,997,469, 8–22–61, Cl. 260—247.
Heeley, Roland: *See*—
Goodhue, William V., and Heeley. 2,990,752.
Heenan & Froude Ltd.: *See*—
Bathurst, William N. 2,976,960.
Heer, Jules: *See*—
Hoffmann, Karl, and Heer. 3,000,896.
Heer, Ralph W., D. T. Otto, and L. W. Mundy, to Poor & Co. Couplings for sectional heavy duty apparatus. 3,000,649, 9–19–61, Cl. 280—106.
Heerdt, Ruth: *See*—
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Heeren, Clyde H. Mulcher. 2,983,322, 5–9–61, Cl. 172—523.
Heerklotz, Gunter, to VEB Kamera-und Kinowerke Dresden. Single lens reflex camera. 2,997,934, 8–29–61, Cl. 95—42.

Heerklotz, Günther, to VEB Kamera-und Kinowerke Dresden. Photographic cameras. 3,009,403, 11–21–61, Cl. 95—10.
Hees, Walter, to Farbenfabriken Bayer Aktiengesellschaft. Dyeing process. 2,989,361, 6–20–61, Cl. 8—55.
Hees, Walter, and O. Schneider, to Farbenfabriken Bayer Aktiengesellschaft. Dyeing process. 2,992,877, 7–18–61, Cl. 8—55.
Heetman, Alphonsus, T. H. Hormann, and M. J. Schmitz, to North American Philips Co., Inc. Circuit for indicating magnitude of current pulses. 3,012,151, 12–5–61, Cl. 307—88.
Hefele, John R., and C. F. Mattke, to Bell Telephone Laboratories, Inc. Scanning mechanism for radio signaling apparatus. 2,987,722, 6–6–61, Cl. 343—761.
Heffelfinger, Arthur L., to Shieller Mfg. Corp. Formed pad. 2,996,733, 8–22–61, Cl. 5—354.
Heffelfinger, Eugene R. Rhythm recorder. 2,985,053, 5–23–61, Cl. 84—463.
Heffelfinger, Richard H.: *See*—
Griffith, David E., and Heffelfinger. 3,004,489.
Heffelfinger, Robert D., to American Viscose Corp. Fibrous web manufacture. 3,001,242, 9–26–61, Cl. 19—146.
Heffelfinger, Robert D., and J. A. Truitt, to American Viscose Corp. Multi-purpose friction tester. 2,990,713, 7–4–61, Cl. 73—9.
Hefferman, James C., to Sylvania Electric Products Inc. Bridged-gap inductor. 3,014,268, 12–26–61, Cl. 29—155.58.
Heffern, Dick S. Upright wide panel saw. 2,992,662, 7–18–61. Cl. 143—47.
Hefford, Charles G., to Stadium Ltd. Spring-loaded clamps. 2,980,977, 4–25–61, Cl. 24—253.
Heflin, Albert E. Apparatus for making picture plaques and book covers. 2,996,757, 8–22–61, Cl. 18—5.1.
Heftler, Maurice B. Cutting tools. 3,002,405, 10–3–61, Cl. 77—58.
Hefty, Melvin R.: *See*—
Givens, Richard C., and Hefty. 2,999,813.
Heftye, Rudolph T., R. H. Summers, and M. S. Weiss, to Hycon Mfg. Co. Rotary shutter camera. 3,007,383, 11–7–61, Cl. 95—12.5.
Hegarty, Raymond W.: *See*—
Colby, Richard H., and Hegarty. 3,001,453.
Hegemann, Johann: *See*—
Hake, Bernhard, and Hegemann. 2,989,036.
Heggen, Henry R., to The Bendix Corp. Stepper motor control. 3,005,941, 10–24–61, Cl. 318—443.
Hegman, Robert L., and R. W. Hess, to The Safegard Corp. Filling machine. 2,979,086, 4–11–61, Cl. 141—67.
Hegner, Max, to Sodeco Societe des Compteurs de Geneve. Arrangement for the remote measuring of the increase during a predetermined period of the number given out by an impulse-controlled meter. 2,973,899, 3–7–61, Cl. 235—92.
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Wilting, Johannes J., and Hehenkamp. 3,008,068.
Hehl, Anton: *See*—
Schutze, Georg, Barthelmess, and Hehl. 2,968,082.
Hehl, Karl, to Arburg-Feingeratefabrik oHG, Hehl & Sohne. Injection device. 3,014,241, 12–26–61, Cl. 18—30.
Hehl, Karl, to Arburg-Feingeratefabrik oHG. Hehl & Sohne. Injection molding machine. 3,014,243, 12–26–61, Cl. 18—30.
Heibel, Jerome D., and N. Coda, to Erie Resistor Corp. Method of making electrical components. 3,001,267, 9–26–61, Cl. 29—155.5.
Heichel, Floyd B. Safety coupler. 2,966,863, 1–3–61, Cl. 104—170.
Heide, Stanford M.: *See*—
Koci, Jerry C., and Heide. 3,010,101.
Heidelberger, Charles: *See*—
Duschinsky, Robert, Farkas, and Heidelberger. 2,970,139.
Heideman, Irvin L., to Pettibone Mulliken Corp. Safety-tank drill. 2,975,660, 3–21–61, Cl. 77—13.
Heidenhain, Johannes, to Fa. Wenczler & Heidenhain. Method of manufacture of line plates, scales, and the like. 2,999,034, 9–5–61, Cl. 117—5.5.
Heider, Joachim, and D. Jerchel, to Dr. Karl Thomae G.m.b.H. Bis-(steroid-21)-dicarboxylic acid esters. 2,999,102, 9–5–61, Cl. 260—397.45.
Heidester, Rudolf, to Telefunken G.m.b.H. Frequency shift receiver for receiving telegraphy intelligence. 2,989,591, 6–20–61, Cl. 178—88.
Heidish, John A.: *See*—
Washburn, Charles W., and Heidish. 3,011,255.
Heidorn, John H., to General Motors Corp. Refrigerating apparatus with aspirator in a by-pass. 2,975,613, 3–21–61, Cl. 62—192.
Heidorn, John H., to General Motors Corp. Refrigerating apparatus. 2,978,879, 4–11–61, Cl. 62—209.
Heidorn, John H., to General Motors Corp. Refrigerating apparatus. 3,006,160, 10–31–61, Cl. 62—296.
Heidt, Peter C., to Keystone Shipping Co. Method of inhibiting corrosion. 3,002,209, 10–3–61, Cl. 204—148.
Heightman, Anthony N., and W. T. Underhill, to Marconi's Wireless Telegraph Co. Ltd. Voltage regulating circuit arrangements. 3,013,197, 12–12–61, Cl. 320—1.
Heigl, Carl H., and V. A. Zugel, to Harris-Intertype Corp. Collator. 3,008,705, 11–14–61, Cl. 270—54.
Heigl, Carl H., and V. A. Zugel, to Harris-Intertype Corp. Signature collator. 3,008,706, 11–14–61, Cl. 270—56.
Heijmer, Gustaf B. Coating compounds. 3,002,853, 10–3–61, Cl. 117—111.
Heijnis, James W. I.: *See*—
Boerma, Jan A. K., and Heijnis. 2,993,260.
Heikes, Robert R.: *See*—
Johnston, William D., and Heikes. 2,993,011.
Heil Co., The: *See*—
Park, Glenn S., and Rea. 3,000,323.
Sexton, Llewellyn F., Jr., and Waltz. 3,012,684.
Heil, Friedrich, to Telefonbau und Normalzeit G.m.b.H. Inking device for rotary stamps. 2,970,538, 2–7–61, Cl. 101—367.
Heil, Friedrich, and W. Muller, to Telefonbau und Normalzeit G.m.b.H. Token ticket dispensers. 2,975,970, 3–21–61, Cl. 235—101.
Heil, Friedrich, and H. Springer, to Telefonbau und Normalzeit G.m.b.H. Postage meters. 3,002,686, 10–3–61, Cl. 235—101.
Heil, George C.: *See*—
Weaver, Calvin R., and Heil. 2,970,370.
Heil, Hans W., to General Electric Co. Thermally sensitive pickup tube. 2,967,961, 1–10–61, Cl. 313—65.
Heil, Hans, to General Electric Co. Color cathode ray image reproducing tube. 2,973,454, 2–28–61, Cl. 315—21.
Heil, Hans, to General Electric Co. Method and apparatus for fabricating screens for television picture tubes. 3,008,390, 11–14–61, Cl. 95—1.
Heil, Lothar, K. Schomburg, G. Wagener, H. Dobermann, and A. Menninger, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for interconnecting teleprinter subscriber-networks. 2,983,780, 5–9–61, Cl. 178—2.
Heil, Oskar, to Eitel-McCullough, Inc. Charged particle beam modulating means and method. 3,012,170, 12–5–61, Cl. 315—5.41.
Heil-Quaker Corp.: *See*—
North, James E. 2,987,258.
Heil, Theodore, to Heilite Trailers. Portable toilet. 3,005,994, 10–31–61, Cl. 4—142.
Heilbronner, Harry S. Garment. 3,013,275, 12–19–61, Cl. 2—113.
Heilite Trailers: *See*—
Heil, Theodore. 3,005,994.
Heilman, George P., to International Staple and Machine Co. Staple driving and forming blade mechanism. 2,987,725, 6–13–61, Cl. 1—48.
Heilman, Russell H., R. W. Ortmiller, and A. P. Mueller, to The Philip Carey Mfg. Co. Insulation material and method of making same. 2,971,878, 2–14–61, Cl. 162—153.
Heim, Theo: *See*—
Dickmann, Johannes F. E., Klaue, and Heim. 3,010,642.
Heimann, Fred G., to Fruehauf Trailer Co. Meat switching apparatus. 3,011,455, 12–5–61, Cl. 104—96.
Heimann, Walter, to Physikalisch-Technische Werkstatten. Image converter. 2,979,621, 4–11–61, Cl. 250—213.
Heimann, Walter, and K. Gottfried, to Forschungslaboratorium Prof. Dr. Ing. Walter Heiman. Picture amplifying storage system. 3,012,149, 12–5–61, Cl. 250—213.
Heimaster, John W.: *See*—
Alspaugh, Paul L., Heimaster, and McNeill. 2,991,058.
Felbeck, George T., Heimaster, and Newlon. 2,978,235.
Heimberger, Oscar W., to The Griscom-Russell Co. Method of tub bending. 2,989,109, 6–20–61, Cl. 153—40.
Heimbs, Ernst G. W., and W. C. Kangro, to Heimbs & Sons. Devices for heat treating kernels and seeds. 2,975,526, 3–21–61, Cl. 34—57.
Heimbs & Sons: *See*—
Heimbs, Ernst G. W., and Kangro. 2,975,526.
Heimerl, Otto, to American Infra Red Radiant Co., Inc. Radiant gas burner. 3,013,602, 12–19–61, Cl. 158—114.
Hein, Delton W., R. J. Alheim, and J. J. Leavitt, to American Cyanamid Co. Preparation of 2(O-aminophenyl)-benzimidazole. 2,985,661, 5–23–61, Cl. 260—309.2.
Hein, Edwin. Lockout device for switch panels. 2,978,613, 4–4–61, Cl. 317—119.
Hein, Hugh U. G.: *See*—
Matthews, Otmer C., and Hein. 2,972,463.
Hein, Lehmann & Co. Akt.: *See*—
Puffe, Werner. 3,000,596.
Riedel, Erich O. 2,973,288.
Hein, Walter C.: *See*—
Schneider, Kurt R., Howes, and Hein. 3,010,864.
Heine, Henry W. Tobacco smoke filter and/or absorbent. 2,996,067, 8–15–61, Cl. 131—207.
Heine, Hugo. Photographic type-composing apparatus. 2,978,969, 4–11–61, Cl. 95—4.5.
Heine-Geldern, Robert, to Engelhard Hanovia, Inc. Arc lamp with sapphire sleeve. 2,982,877, 5–2–61, Cl. 313—184.
Heine-Geldern, Robert V., to Engelhard Hanovia, Inc. Gaseous electric discharge lamp. 2,990,490, 6–27–61, Cl. 313—54.
Heinemann, Heinz, to Houdry Process Corp. Refining of petrolatum. 2,985,580, 5–23–61, Cl. 208—27.
Heinemann, Heinz, and T. H. Milliken, Jr., to Houdry Process Corp. Refining of petrolatum. 2,985,579, 5–23–61, Cl. 208—27.
Heinemann, Milton, and V. L. R. James, to Boeing Airplane Co. Plug-type doors for pressurized cabins. Re. 25,066, 10–31–61, Cl. 20—16.
Heinemans, Henricus E. M., to North American Philips Co., Inc. Electric coffee mill. 2,982,483, 5–2–61, Cl. 241—100.
Heinen, Irving J. Gate type dual seal valve. 2,977,086, 3–28–61, Cl. 251—167.
Heinen, Irving J. Tapered plug valve. 3,011,513, 12–5–61, Cl. 137—246.

Heinen, Josef: *See*—
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Heinicke, John B., and W. J. Fretague, to Whirlpool Corp. Refrigerating apparatus. 2,976,340, 3–21–61, Cl. 136—4.
Heinicke, Kurt J., to Heinicke Pump Co. Centrifugal pump. 2,997,958, 8–29–61, Cl. 103—103.
Heinicke Pump Co.: *See*—
Heinicke, Kurt J. 2,997,958.
Heinicke, Ralph M., to Pineapple Research Institute of Hawaii. Process for the preparation of pineapple stem bromelain. 3,002,891, 10–3–61, Cl. 195—66.
Heininger, Samuel A.: *See*—
Girum, Gail H., and Heininger. 3,000,927.
Grisley, Daniel W., Jr., Birum, and Heininger. 3,005,008.
Grisley, Daniel W., Jr., and Heininger. 3,004,886.
Heininger, Samuel A., to Monsanto Chemical Co. Detergent compositions. 2,969,329, 1–24–61, Cl. 252—153.
Heininger, Samuel A., to Monsanto Chemical Co. Cyanoethylation process. 2,974,160, 3–7–61, Cl. 260—465.
Heininger, Samuel A., to Monsanto Chemical Co. Bacteriotoxic and fungitoxic compositions. 2,988,476, 6–13–61, Cl. 167—30.
Heininger, Samuel A., and P. R. Graham, to Monsanto Chemical Co. Acrylonitrile polymers plasticized by adducts of formamide with acrylonitrile and method of making same. 2,974,115, 3–7–61, Cl. 260—32.4.
Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Acrylonitrile reaction products. 2,993,037, 7–18–61 Cl. 260—125.
Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Reaction of sulfonyl halides with unsaturated aldehydes. 2,993,075, 7–18–61, Cl. 260—599.
Heininger, Samuel A., and D. W. Grisley, Jr., to Monsanto Chemical Co. Bis(dihydrocarbyloxyphosphinyloxomethyl) disulfides and methods for preparing the same. 3,005,009, 10–17–61, Cl. 260—461.
Heinmiller, Percival M.: *See*—
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Heinmiller, Percival M., and I. Karsh, to Utility Trailer Mfg. Co. Rubber vehicle suspension. 3,012,768, 12–12–61, Cl. 267—63.
Heinrich, Henry, & Co.: *See*—
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Heinrich, Raymond L., D. A. Berry, and R. J. Dick, to Esso Research and Engineering Co. Alkyd resins modified with 2,4-dichlorobenzoic acids. 2,979,472, 4–11–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. L. Christian, to Esso Research and Engineering Co. Modified alkyd resins with 2,4-dimethyl benzoic acids. 2,979,473, 4–11–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. J. Dick, to Esso Research and Engineering Co. Modifications of alkyd resins with para-bromo benzoic acids. 2,979,474, 4–11–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. L. Christian, to Esso Research and Engineering Co. Alkyd resins modified with 2,5-dihydroxybenzoic acid. 2,981,705, 4–25–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. L. Christian, to Esso Research and Engineering Co. Alkyd resins modified with para-hydroxyphenylacetic acid. 2,981,706, 4–25–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. L. Christian, to Esso Research and Engineering Co. Alkyd resin compositions containing 5-bromosalicylic acid. 2,981,707, 4–25–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. L. Christian, to Esso Research and Engineering Co. Rapid drying alkyd coating employing 3-hydroxy-2-naphthoic acid. 2,981,708, 4–25–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. J. Dick, to Esso Research and Engineering Co. Modification of alkyd resins with 4-biphenyl benzoic acid. 2,982,747, 5–2–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. J. Dick, to Esso Research and Engineering Co. Modification of alkyd resin compositions with meta-bromo benzoic acids. 2,982,748, 5–2–61, Cl. 260—22.
Heinrich, Raymond L., D. A. Berry, and R. J. Dick, to Esso Research and Engineering Co. Modification of alkyd resins with meta- or para-hydroxy benzoic acids. 2,993,873, 7–25–61, Cl. 260—22.
Heinrich Tools, Inc.: *See*—
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Farnsworth, Lawrence. 2,998,259.
Heinrichs, Alfred J., to Congoleum-Nairn Inc. Decorative plastic surface covering and process therefor. 2,987,102, 6–6–61, Cl. 154—25.
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Wolf, Robert W. 3,004,785.
Heintz, Edward A., and A. K. Fischer, to Union Carbide Corp. Preparation of mononitratodioxovanadium (V). 3,003,850, 10–10–61, Cl. 23—140.
Heintz, Karl O., to Jersey Production Research Co. Apparatus for presenting seismic data. 2,966,953, 1–3–61, Cl. 181—.5.
Heintz, Karl O., to Jersey Production Research Co. Continuous-wave seismic prospecting. 3,015,086, 12–26–61, Cl. 340—15.
Heintz, Ralph M. Hot gas producer of the free-piston type and method for starting and operating the same. 2,982,271, 5–2–61, Cl. 123—46.
Heintz, Ralph M. Internal combustion engine. 2,983,268, 5–9–61, Cl. 123—191.
Heintz, Richard P., to Pneumo Dynamics Corp. Magnetically operated hydraulic servo valve. 2,983,278, 5–9–61, Cl. 137—82.
Heintzelman, Henry C., to Cooper Tire & Rubber Co. Shock absorber and retainer therefor. 2,973,952, 3–7–61, Cl. 267—30.
Heintzelman, Leo A., and D. E. Mack; said D. E. Mack assor. to L. A. Heintzelman. Propeller attachment mounting means. 2,992,686, 7–18–61, Cl. 170—160.11.
Heintzmann, Hans F., to Bochumer Eisenhutte Heintzmann & Co. Yielding connection for identical flanged channel-like profile members in overlapping engagement. 3,004,637, 10–17–61, Cl. 189—36.
Heintzmann, Hans F., R. Seiz, E. Blenkle, and H. Lerbs, to Bochumer Gesellschaft fur Grubenausbau u. Technik m.b.H., and Phoenix Gummiwerke Aktiengesellschaft. Hydraulic props, particularly pit props. 3,012,546, 12–12–61, Cl. 121—46.
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Heinz, Edward M., Sr. Printers' furniture. 3,006,278, 10–31–61, Cl. 101—402.
Heinz, Gerald O., to Streator Dependable Mfg. Co. Material handling apparatus. 2,973,122, 2–28–61, Cl. 222—185.
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Stimpson, Robert H., and Hutchings. 2,999,024.
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Heinz, Walter E., to Shell Oil Co. Asphalt emulsions. 3,006,860, 10–31–61, Cl. 252—311.5.
Heinze, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of chromium trioxide. 3,002,815, 10–3–61, Cl. 23—145.
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Heinzmann, Fritz. Centrifugal governor. 3,007,341, 11–7–61, Cl. 73—537.
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Heiser, Ferdinand F., and R. E. Hora, to Controls Co. of America. Gas pressure regulator. 2,995,145, 8–8–61, Cl. 137—454.2.
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Heisig, Henry P., and E. R. Price, to Bill Jack Scientific Instrument Co. Combined headgear and eyeshield. 2,980,914, 4–25–61, Cl. 2—10.
Heisig, Theodore C., and B. Corrigan, to Texaco Inc. Lubricant containing a sulfurized terpene and sulfurized sperm oil. 2,993,856, 7–25–61, Cl. 252—32.7.
Heising, Robert A., to Deere & Co. Interchangeable cutter devices for row-crop harvester. 2,984,962, 5–23–61, Cl. 56—102.
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Heisser, Robert E. Toothbrush rack. 3,002,630, 10–3–61, Cl. 211—65.
Heisterberg, Milton W., to General American Transportation Corp. Floating roof sealing mechanism provided with combination weather hood and wax trough. 2,981,438, 4–25–61, Cl. 220—26.
Heitman, Clarence H. Self-tightening rebuilt shoe last. 2,977,611, 4–4–61, Cl. 12—133.
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Helbig, Jim D., and M. P. Warner, to Jerome D. Rosenberg. Hand-propelled polishing machine. 2,967,315, 1–10–61, Cl. 15—49.
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Heldenbrand, Arthur P. Method for minimizing drill pipe failures. 2,971,373, 2–14–61, Cl. 73—99.
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Cochran, Kenneth W. 2,998,566.
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Cochran, Kenneth W. 2,980,850.
Cochran, Kenneth W. 2,998,566.
Heldens, Peter H., to Chemische Fabriek L. van der Grinten N.V. Apparatus for developing and/or fixing photographic printing material. 3,000,287, 9–19–61, Cl. 95—89.
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Helgeson, Virgil L., and E. J. Loper, to General Motors Corp. Solution possible indicator for bombing computer. 2,985,365, 5–23–61, Cl. 235—61.5.
Helgeson, Virgil L., and E. J. Loper, to General Motors Corp. Obstacle clearance computer system for aircraft. 2,985,373, 5–23–61, Cl. 235—186.
Helgeson, Virgil L., and E. J. Loper, to General Motors Corp. Altimeter ranging. 2,988,816, 6–20–61, Cl. 33—46.5.
Helgeson, Virgil L., and E. J. Loper, to General Motors Corp. Bombing navigational computer. 2,988,960, 6–20–61, Cl. 89—1.5.
Helgeson, Virgil L., and H. C. Brantner, to General Motors Corp. Multiple solution bombing computer. 2,995,984, 8–15–61, Cl. 89—1.5.
Helgeson, Virgil L., and E. J. Loper, to General Motors Corp. Bomb release mechanism delay compensation computer. 2,995,985, 8–15–61, Cl. 89—1.5.
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Hell, Rudolf, to Dr.-Ing. Rudolf Hell Kommanditgesellschaft. Method of and apparatus for electronic color correction. 2,993,087, 7–18–61, Cl. 178—5.2.
Helland, Gilman A., and O. S. Nielsen. Flexible positive drive torque coupling. 2,989,857, 6–27–61, Cl. 64—11.
Helland, Howard M., to Lockport Felt Co., Inc. Fourdrinier machine belt. 2,978,023, 4–4–61, Cl. 162—348.
Helland, Howard M., to Lockport Felt Co., Inc. Papermaker's wet felt. 2,983,985, 5–16–61, Cl. 28—78.
Helland, Howard M., to Lockport Felt Co. Papermaker's felt. 2,983,986, 5–16–61, Cl. 28—78.
Helland, Howard M., to Lockport Felt Co., Inc. Papermaker's felt. 2,996,786, 8–22–61, Cl. 28—78.
Hellberg, Gustav S., and U. A. Alfredéén. Means for perforating paper and the like. 2,996,959, 8–22–61, Cl. 90—11.
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Heller, Aaron, to United States of America, Navy. Anechoic tank lining. 2,994,400, 8–1–61, Cl. 181—33.
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Heller, Ferdinand P., and R. L. Beamon, to Amchem Products, Inc. Metal coating composition and method of coating steel. 2,987,428, 6–6–61, Cl. 148—6.15.
Heller, George L., to Columbian Carbon Co. Apparatus for dispersing carbon black in a liquid medium. 2,972,473, 2–21–61, Cl. 259—9.
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Heller, John K. Quick acting valve. 2,974,679, 3–14–61, Cl. 137—490.
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Heller, Laszlo, and A. Bakay, to Licencia Talalmanyokat Ertekesito Vallalat. Process of and apparatus for cooling electrical generators. 2,999,945, 9–12–61, Cl. 290—2.
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Heller, Robert M., to Watts Electric & Mfg. Co. Apparatus for making a protective composite cap structure for a grease fitting and the like. 2,966,701, 1–3–61, Cl. 18—34.
Heller, Robert M., to Watts Electric & Mfg. Co. Method of forming lock and seal washers, nuts, and the like. 2,995,782, 8–15–61, Cl. 18—59.
Heller, Robert M., R. A. Cragin, and E. L. Mroz. Composite article. 2,983,534, 5–9–61, Cl. 288—20.
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Hellin, Michel C. F., and F. C. Coussemant, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for making 4,4-dimethylmetadioxane. 2,997,480, 8–22–61, Cl. 260—340.7.
Helling, Jürgen, to Fried. Krupp Mortoren- und Kraftwagenfabriken G.m.b.H. Device for controlling the air in air springs, especially for motor vehicles. 2,977,134, 3–28–61, Cl. 280—124.
Helling, Werner, and H. Neunzig, to Vereinigte Aluminium-Werke Aktiengesellschaft. Method and apparatus for polishing metals. 2,968,577, 1–17–61, Cl. 117—49.
Helling, Werner, and H. Lay, to Vereinigte Aluminum-Werke. Electrolytic cell. 3,009,870, 11–21–61, Cl. 204—243.
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Hellman, Nison N., and D. L. Baker, to Basic Products Corp. Caramel malt confection and process of making the same. 3,014,802, 12–26–61, Cl. 99—134.
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Hellsten, Karl M. E., to Aktiebolaget Henkel-Helois. Detergent compositions. 2,992,186, 7–11–61, Cl. 252—135.
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Helsel, Reuben H., and R. I. N. Weingart, to General Register Corp. Ticket issuing machine. 2,995,300, 8–8–61, Cl. 235—145.
Helsley, Charles W., Jr., to North American Aviation, Inc. Inverted flight reservoir. 2,983,331, 5–9–61, Cl. 183—2.5.
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Heltzel, John N., deceased, by Union Savings and Trust Co., and C. J. Heltzel, co-executors. Concrete expansion joints. 2,976,781, 3–28–61, Cl. 94—18.
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Hembrooke, Emil F., to Muzak Corp. Identification of sound and like signals. 3,004,104, 10–10–61, Cl. 179—2.
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Hemings, Frank L., to American Industries Co. Hydraulically responsive control system. 2,988,891, 6–20–61, Cl. 60—97.
Hemingway, Charles E. Stock loading device for a screw machine. 3,003,660, 10–10–61, Cl. 221—75.
Hemmendinger, Arthur, and R. J. Helmer, to United States of America, Atomic Energy Commission. Precision integrator for minute electric currents. 3,005,950, 10–24–61, Cl. 324—111.
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Hemminger, Charles E., and D. D. MacLaren, to Esso Research and Engineering Co. Subsequent treatment of a naphtha reformate to obtain a high octane gasoline. 2,981,675, 4–25–61, Cl. 208—95.
Hemminger, Charles E., D. D. MacLaren, and A. B. Welty, Jr., to Esso Research and Engineering Co. Process for reforming hydrocarbons. 3,000,814, 9–19–61, Cl. 208—140.
Hempel, Roy A., to Robotomics Enterprises, Inc. Electronic numerical display. 3,010,651, 11–28–61, Cl. 235—92.
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Hemstock, Glen A., to Minerals & Chemicals Philipp Corp. Synthetic magnesium aluminum silicate product. 3,001,853, 9–26–61, Cl. 23—112.
Hemstreet, Eleanor M. Shoe sole edge polisher. 2,983,942, 5–16–61, Cl. 15—230.
Hemstreet, Harold S., to General Precision, Inc. Method and apparatus for producing visual display. 2,975,670, 3–21–61, Cl. 88—24.
Hemstreet, Harold S., to General Precision, Inc. Means for altering apparent perspective of images. 2,975,671, 3–21–61, Cl. 88—24.
Hemstreet, Harold S., to General Precision Inc. Visual display method and apparatus. 2,999,322, 9–12–61, Cl. 35—12.
Hemstreet, Harold S., L. E. Fogarty, P. J. Mailhot, L. P. Read, and J. M. Hunt, to General Precision Inc. Force simulation. 3,007,258, 11–7–61, Cl. 35—12.
Hemwall, John B., to The Dow Chemical Co. Method and composition for improving soil. 3,008,816, 11–14–61, Cl. 71—1.
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Willard, Joe R., and Henahan. 3,014,058.
Henatsch, Reynold. Typewriters. 2,973,079, 2–28–61, Cl. 197—19.
Henatsch, Reynold. Call transmitting devices. 2,999,903, 9–12–61, Cl. 179—90.
Henchert, John, to Continental Can Co., Inc. Reclosable container. 2,969,166, 1–24–61, Cl. 220—48.
Henchert, John, to Continental Can Co., Inc. Easy opening can and cover assembly. 2,977,019, 3–28–61, Cl. 220—60.
Henchert, John, to Continental Can Co., Inc. Can push-out panel and slide therefor. 2,977,029, 3–28–61, Cl. 222—548.
Henchert, John, to Continental Can Co., Inc. Package closure and method of forming same. 2,979,224, 4–11–61, Cl. 220—67.
Henchert, John, to Continental Can Co., Inc. Pressure spray dispensing container and method of closing same. 2,995,270, 8–8–61, Cl. 220—67.
Hendee, Charles F.: *See*—
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Hendee, Charles F., to North American Philips Co., Inc. Light detectors. 3,008,053, 11–7–61, Cl. 250—207.
Hendee, Charles F., and S. Fine, to North American Philips Co., Inc. Apparatus for detecting and monitoring the constitution of a gas or vapor. 2,977,473, 3–28–61, Cl. 250—43.5.
Hendee, Charles F., and S. Fine, to North American Philips Co., Inc. Far ultraviolet light source. 2,990,491, 6–27–61, Cl. 313—54.
Hendel, Carl E., to United States of America, Agriculture. Process for dehydrating potatoes. 3,009,816, 11–21–61, Cl. 99—207.
Hendel, Carl E., G. K. Notter, M. E. Lazar, and W. F. Talburt, to United States of America, Agriculture. Production of dehydrated potato granules. 3,009,817, 11–21–61, Cl. 99—207.
Henderly, Harry J.: *See*—
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Hendershot, Harold F.: *See*—
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Henderson, Albert L., to FMC Corp. Container segregating apparatus. 3,003,629, 10–10–61, Cl. 209—74.

Henderson, Billie D., to Beckman Instruments, Inc. Photometer reflectance unit. 2,992,588, 7–18–61, Cl. 88—14.

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Henderson, Cyril, to Smiths America Corp. Vehicle transmission systems. 2,974,769, 3–14–61, Cl. 192—103.

Henderson, Clyde P. Power actuated rear view mirror. 3,008,375, 11–14–61, Cl. 88—98.

Henderson, Ellis L. Apparatus for cleaning an air nozzle of a cotton gin. 2,969,564, 1–31–61, Cl. 19—59.

Henderson, Harold P. Boat mooring apparatus. 2,990,803, 7–4–61, Cl. 114—230.

Henderson, Hugh B., to Tidewater Oil Co. Scrubbing fluid coking effluent. 2,999,062, 9–5–61, Cl. 208—102.

Henderson, James H., A. Schild, and M. R. J. Wyllie, to Gulf Research & Development Co. Single well in-situ combustion process for production of oil. 3,004,600, 10–17–61, Cl. 166—39.

Henderson, John A., and A. J. Howard, to Dickinson Becton and Co. Clysis assembly. 2,995,334, 8–8–61, Cl. 251—4.

Henderson, John T., and S. B. Knapp, ½ each to Hawaiian Development Co. Ltd., and Crown Zellerbach Corp. Printing paper containing low-strength; non-woody lignocellulose and process of making the same. 3,013,935, 12–19–61, Cl. 162—142.

Henderson, Julian E. Remote radio control system. 2,981,878, 4–25–61, Cl. 318—16.

Henderson, Knox B.: *See*—
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Walker, Jay P., Glasgow, and Henderson. 2,997,053.

Henderson, R. V.: *See*—
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Henderson, Raymond A., and O. J. Benston, to National Lead Co. Flotation of barite. 2,970,692, 2–7–61, Cl. 209—166.

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Henderson, Robert. Shock neutralizer for road vehicles. 3,013,794, 12–19–61, Cl. 267—8.

Henderson, Russell A. Electronic tube testing device. 2,971,149, 2–7–61, Cl. 324—23.

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Henderson, William M. Diaphragm pumps. 2,985,111, 5–23–61, Cl. 103—150.

Hendley, James A. Method of blending textile fibers and resulting yarns and fabrics thereof. 2,991,538, 7–11–61, Cl. 28—75.

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Hendrich, Henry A.: *See*—
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Hendrich, Henry A., and R. N. Eichorn, to International Business Machines Corp. Automatic web splicing machine. 2,991,827, 7–11–61, Cl. 154—42.3.

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McLean, John O., and Hendrick. 2,983,564.

Hendricks, George D., to Gameco Corp. Electric channel selectors. 3,005,188, 10–17–61, Cl. 340—167.

Hendricks, Gerald E., to American Sterilizer Co. Parenteral equipment. 3,001,525, 9–26–61, Cl. 128—214.

Hendricks, James C., to McGill Metal Products Co. Hand punch with gauge. 2,980,997, 4–25–61, Cl. 30—363.

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Hendrickson, Severin B., to Heywood-Wakefield Co. Chair with a removable upholstery cover. 2,973,806, 3–7–61, Cl. 155—182.

Hendrickson, Severin B., to Heywood-Wakefield Co. Chair. 2,995,182, 8–8–61, Cl. 155—187.

Hendrickson, Severin B., and E. H. Reid, to Heywood-Wakefield Co. Reclining walk-over seat for vehicles. 2,985,225, 5–23–61, Cl. 155—8.

Hendrickson, Severin B., and E. H. Reid, to Heywood-Wakefield Co. Reversible chair for vehicles. 3,012,817, 12–12–61, Cl. 297—93.

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Hendry, Charles M., and D. Craig, to The B. F. Goodrich Co. Curing of rubber with a sulfur-olefinic hydrocarbon interpolymer, and product obtained thereby. 2,989,513, 6–20–61, Cl. 260—79.

Hendry, Charles M., and E. C. Gregg, Jr., to The B. F. Goodrich Co. Method for preparing secondary aminoazoledisulfides. 3,001,993, 9–26–61, Cl. 260—243.

Hendry, James W., to Tube Turns Plastics, Inc. Plastic working process and apparatus. 2,969,563, 1–31–61, Cl. 18—30.

Hendry, James W., to Tube Turns Plastics, Inc. Method and apparatus for molding heat sensitive plastic materials. 2,990,579, 7–4–61, Cl. 18—30.

Hene, Lennart A., to Borg-Warner Corp. Wall scratcher. 2,968,352, 1–17–61, Cl. 166—173.

Heneage, Peter, and B. W. Taylor, to Fisher Scientific Co. Zone refiner. 2,990,257, 6–27–61, Cl. 23—273.

Henebry, Thomas F., to Remington Arms Co., Inc. Ammunition orienting and packing machine. 2,995,880, 8–15–61, Cl. 53—142.

Henebry, Thomas F., to Remington Arms Co., Inc. Visual inspection machine. 2,991,687, 7–11–61, Cl. 88—14.

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Henigman, Walter W. Separation system. 2,986,279, 5–30–61, Cl. 210—73.

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Henkel, Heinrich, and A. Sälzer, to Friedrich Uhde G.m.b.H. Spring switch currents of high strength. 2,993,964, 7–25–61, Cl. 200—33.

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Henle, Robert A., to International Business Machines Corp. Switching circuits using constant current source. 2,990,479, 6–27–61, Cl. 307—88.5.

Henle, Robert A., to International Business Machines Corp. Transistor logical circuit. 3,003,071, 10–3–61, Cl. 307—88.5.

Henle, Robert A., E. H. Valentine, and P. Halpern, to International Business Machines Corp. Transformer coupling of logical circuits. 3,002,107, 9–26–61, Cl. 307—88.

Henley, Ernest J., to American Cyanamid Co. Steam-stripping of sulfuric acid containing coke-forming impurities. 2,992,070, 7–11–61, Cl. 23—173.

Henley, Ernest J., and R. C. Bell, to American Cyanamid Co. Polymerization process for water-soluble polymers. 2,983,717, 5–9–61, Cl. 260—80.3.

Henley, Virgil E., to The General Tire & Rubber Co. Expansible tire building drum. 2,979,110, 4–11–61, Cl. 154—10.

Henley, Virgil E., to The General Tire & Rubber Co. Device for cuffing an end of a fabric band over an endless bead ring. 3,010,868, 11–28–61, Cl. 156—400.

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Henn, Richard W., D. K. Bulloch, and C. C. Bard, to Eastman Kodak Co. Method for elimination of reversal re-exposure in processing photographic films. 2,984,567, 5–16–61, Cl. 96—59.

Henn, Richard W., and N. H. King, to Eastman Kodak Co. Acid-type photographic fixer-hardener baths. 3,008,828. 11–14–61, Cl. 96—61.

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Hennemann, Georg, to N.V. Onderzoekingsinstituut Research. Alkaline treatment of polyethylene terephthalate filaments or staple fibers to improve processing intextile machines and filaments produced thereby. 2,998,296, 8–29–61, Cl. 8—115.5.

Hennemann, Georg, and A. G. Lutgerhorst, to American Enka Corp. Process for conferring antistatic properties to dielectric products. 2,983,628. 5–9–61, Cl. 117—139.5.

Henneman, Georg, and A. G. Lutgerhorst, to American Enka Corp. Process for conferring antistatic properties and the resulting products. 3,000,758, 9–19–61, Cl. 117—72.

Hennen, Joseph W., to Standard Mfg. Co. Snap-in damper. 3,009,473, 11–21–61, Cl. 137—315.

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Hennes, John H., to The Dow Chemical Co. Preparation of 1-amino-1-propanesulfonic acid. 3,009,950, 11–21–61, Cl. 260—513.

Hennes, Richard P., ½ to L. R. Johnson, Jr. Method of making electrical conductors on insulating supports. 2,984,597, 5–16–61, Cl. 154—99.

Hennessey, Russell J., to Waldorf Paper Products Co. Tightly sealed cartons. 3,003,677, 10–10–61, Cl. 229—37.

Hennessey, Walter F., Jr., and G. J. Swanson, to The Bendix Corp. Electrical connector. 2,984,811, 5–16–61, Cl. 339—45.

Hennessy, James J., to Hennessy Lubricator Co., Inc. Railway journal lubricator. 2,973,228, 2–28–61, Cl. 308—88.

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Hennies, August F., Jr., to Hennies Engineering Corp. Disposable pan. 3,004,685, 10–17–61, Cl. 220—72.

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Hennig, Walter, to VEB Kamera-und Kinowerke Dresden. Camera with coupled range finder. 3,002,439, 10–3–61, Cl. 95—44.

Henniges, Ernst, to M. Henniges, nee Loeser. Lubricating pad unit. 2,967,076, 1–3–61, Cl. 308—88.

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Henning, George E., to Western Electric Co., Inc. Snagging devices for strands. 2,971,713, 2–14–61, Cl. 242—25.

Henning, George E., to Western Electric Co., Inc. Apparatus for testing insulated conductors. 2,980,851, 4–18–61, Cl. 324—52.

Henning, Harley A., E. Jacobitti, and B. F. Lewis, to Bell Telephone Laboratories, Inc. Magnetic drum translator for automatic toll switching center. 3,011,029, 11–28–61, Cl. 179—18.

Henning, James C., and C. A. L. Ruhl, to The New York Air Brake Co. Engine. 2,968,252, 1–17–61, Cl. 103—136.

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Henning, Robert W., to Olin Mathieson Chemical Corp. Ejector for fastener driving tool. 2,995,753, 8–15–61, Cl. 1—44.5.

Henning, Robert W., to Olin Mathieson Chemical Corp. Axial impact driving tool. 3,008,361, 11–14–61, Cl. 81—52.35.

Henning, Robert W., and R. Marsh, to Olin Mathieson Chemical Corp. Fastener device. 2,968,811, 1–24–61, Cl. 1—106.

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Donner, Verne P., Henning, and Allin. 3,014,548.

Henninger, Friedrich, to Motoren-Werke Mannheim A.G. vorm Benz Abt. Stat. Motorenbau. Control systems for internal combustion engines. 3,001,516, 9–26–61, Cl. 123—41.

Henningsen, Etlar A., and A. E. Klouda, to Deere & Co. Material-carrying implement with cranked shaft intermittently driving the carrier. 3,014,729, 12–26–61, Cl. 275—6.

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Hennion, Joseph B., to Tyler Refrigeration Corp. Automatic dispenser for canned goods. 2,969,152, 1–24–61, Cl. 211—49.

Hennion, Joseph B., to Tyler Refrigeration Corp. Carton. 2,982,458, 5–2–61, Cl. 229—4.5.

Hennis, Henry E., to The Dow Chemical Co. 3-allyloxy-2-methyl-4H-pyran-4-one. 3,004,041, 10–10–61, Cl. 260—345.9.

Hennis, Henry E., and E. H. Rosenbrock, to The Dow Chemical Co. 8-tert-butyl-1,4-dioxaspiro [4.5]-decane. 2,993,055, 7–18–61, Cl. 260—340.9.

Hennon, Charles E. Clip for fish hooks and the like. 3,004,319, 10–17–61, Cl. 24—241.

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Henricks, John A. Method of providing ferrous articles with phosphate coatings and compositions therefor. 2,975,082, 3–14–61, Cl. 148—6.15.

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Henrickson, Henry G., to Gateway Erectors, Inc. Apparatus for flaring metal tubes. 3,011,539, 12–5–61, Cl. 153—81.

Henriksen, Ernst J. J. Writing tips for ball point pens. 2,983,253, 5–9–61, Cl. 120—42.4.

Henrikson, David E. Electrically operated window. 2,979,328, 4–11–61, Cl. 268—128.

Henrikson, Thor O., to Pacific Car and Foundry Co. Cargo bracing means. 2,983,231, 5–9–61, Cl. 105—369.

Henrikson, Thor O., to Pacific Car and Foundry Co. Cargo braces. 2,983,232, 5–9–61, Cl. 105—369.

Henrikson, Thor O., to Pacific Car and Foundry Co. Vertical partitions for railway cars. 2,989,011, 6–20–61, Cl. 105—376.

Henrikson, Thor O., and H. B. Miller, to Pacific Car and Foundry Co. Railway car door and mechanism therefor. 2,997,752, 8–29–61, Cl. 20—23.

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Henry, Albert R., to Henry Mfg. Co., Inc. Front loading tractor shovel. 3,003,652, 10–10–61, Cl. 214—140.

Henry, Augustus P., to Kelsey-Hayes Co. Hydraulic valve-controlled servo device. 2,969,773, 1–31–61, Cl. 121—41.

Henry, Augustus P., to Kelsey-Hayes Co. Hydraulic rotary actuator with unrestrained vane and seal members. 2,975,766, 3–21–61, Cl. 121—99.

Henry, Augustus P., to Kelsey-Hayes Co. Double-walled accumulator with time delay orifice. 3,004,561, 10–17–61, Cl. 138—31.

Henry, Charles L., to American Enka Corp. Manufacture of rayon. 2,987,371, 6–6–61, Cl. 18—54.

Henry, Earle G., to General Dynamics Corp. Adjustable strap fastener. 2,967,342, 1–10–61, Cl. 24—206.

Henry, Elliott A., to Sperry Products, Inc. Differential acoustic transducer. 2,985,009, 5–23–61, Cl. 73—67.7.

Henry, Elliott A., to Sperry Products, Inc. Tandem piezoelectric transducers. 3,004,424, 10–17–61, Cl. 73—67.8.

Henry, Elliott A., to Sperry Products, Inc. Signal-transmitting and receiving system. 3,004,425, 10–17–61, Cl. 73—67.8.

Henry, George E., and D. I. Evans, to General Electric Co. Transducer assembly. 2,976,434, 3–21–61, Cl. 310—9.4.

Henry, Glenn C., deceased; G. B. Henry, executrix. Collapsible boats and their production. 2,966,687, 1–3–61, Cl. 9—2.

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Henry, Howarth P. Brake mechanism for trailer vehicles. 2,979,166, 4–11–61, Cl. 188—112.
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Henry, James J., to Conch International Methane Ltd. Liquid storage tanks and attachments. 2,970,604, 2–7–61, Cl. 137—206.
Henry, James J., to Conch International Methane Ltd. Means for the storage and transportation of a liquefied gas. 2,983,409, 5–9–61. Cl. 222—399.
Henry, James J., to Conch International Methane Ltd. Means and method for protection of liquefied gas storage tank. 2,986,892, 6–6–61, Cl. 62—49.
Henry, James W., and L. P. Morrison, to United States of America, Navy. Preparation of plates for deferred action type batteries. 3,002,900, 10–3–61, Cl. 204—42.
Henry, John D. Bicycle suspension system. 2,976,056, 3–21–61, Cl. 280—277.
Henry, John J., to United States of America, Atomic Energy Commission. Linear count-rate meter. 2,999,168, 9–5–61, Cl. 307—88.5.
Henry, Joseph P., R. M. Manyik, and W. E. Walker, to Union Carbide Corp. Production of organo 2-halo-1-propenyl ketones. 2,971,983, 2–14–61, Cl. 260—592.
Henry, Juliette D. C. Safety hoisting hook. 2,989,336, 6–20–61, Cl. 294—83.
Henry, Kenneth M., to Owens-Illinois Glass Co. Method of thermally sealing hollow glass articles at minimal temperatures. 2,988,852, 6–20–61, Cl. 49—78.
Henry Mfg. Co., Inc.: *See*—
Henry, Albert R. 3,003,652.
Henry, Nelson B., to Cydel Feldser. Automatic Dispensing nozzle. 2,981,299, 4–25–61, Cl. 141—209.
Henry, Ormond L., to Koppers Co., Inc. Process for recovering ammonia as a salt from coke oven gas. 3,006,725, 10–31–61, Cl. 23—107.
Henry, Robert C. Liquid pump assembly. 2,985,112, 5–23–61, Cl. 103—184.
Henry, Robert L., to Illinois Tool Works. Circuit panel assemblies. 2,984,768, 5–16–61, Cl. 317—101.
Henry, Ronald A.: *See*—
Finnegan, William G., Henry, and Skolnik. 3,004,959.
Henry, Thomas P.: *See*—
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Henry, William V., to American Enka Corp. Melt-spinning system. 2,993,230, 7–25–61, Cl. 18—8.
Henry, William V. Dispensing nozzle. 2,997,216, 8–22–61, Cl. 222—490.
Henry, William V., to American Enka Corp. Winding tube and tube support for drawtwisting machine. 3,014,336, 12–26–61, Cl. 57—55.5.
Henry, Woodrow W., to Savage Arms Corp. Interfitting metal and wooden parts particularly in gun making. 2,991,548, 7–11–61, Cl. 29—424.
Henry-Baudot, Jaques, to Printed Motors, Inc. Stators of electric machines. 2,993,135, 7–18–61, Cl. 310—180.
Henry-Biabaud, Edmond, to Societe Anonyme Andre Citroen. Inertia switch. 2,972,027. 2–14–61, Cl. 200—61.46.
Henry-Biabaud, Edmond, to Societe Anonyme Andre Citroen. Method of injecting fuel continuously in internal combustion engines. 2,986,129, 5–30–61, Cl. 123—28.
Henry-Biabaud, Edmond, to Societe Anonyme Andre Citroen. Skid-preventing vehicle braking systems. 2,991,131, 7–4–61, Cl. 303—24.
Henschel-Werke G.m.b.H.: *See*—
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Henschen, Erwin, and P. F. Laukhuf, to Walter Ziehr. Recording compression gauge. 2,979,954, 4–18–61, Cl. 73—391.
Hensel, Erich. Mounting arrangement for lock mechanism. 2,986,919, 6–6–61, Cl. 70—451.
Hensel, Werner R. E., to Daimler-Benz Aktiengesellschaft. Change-speed transmission, particularly for motor vehicles. 3,004,451, 10–17–61, Cl. 74—688.
Hensen, Ray M., to Food Saver, Inc. Electric heating system. 3,007,024, 10–31–61, Cl. 219—20.
Hensgen, Bernard T., and R. M. Faust, to Swift & Co. Method and apparatus for forming cheese slices. 2,983,614, 5–9–61, Cl. 99—115.
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Henslee, Waldo W., Jr., to Baker Oil Tools, Inc. Multiple tubing string production apparatus. 2,976,933, 3–28–61, Cl. 166—243.
Hensler, Joseph R., to Bausch & Lomb Inc. Method of providing an electrically conductive surface. 2,999,339, 9–12–61, Cl. 49—77.
Hensley, James L., to Ty-Sa-Man Machine Co. Motor-counterbalanced cutting machine. 2,996,088, 8–15–61, Cl. 143—46.
Hensley, William D. Spark plug. 3,009,075, 11–14–61, Cl. 313—137.
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Henson, Charles A., and T. Chinn. Manual scaling device with electrical data transfer. 3,012,328, 12–12–61, Cl. 33—141.
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Henson, Gordon P. Portable lantern. 2,985,751, 5–23–61, Cl. 240—11.
Henson, West. Cooling system based on thermoelectric principles. 2,990,775, 7–4–61, Cl. 102—49.
Hentges, Harold T. Sliding door construction. 2,992,460, 7–18–61, Cl. 20—19.
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Henthorn, Victor H., to Burt Machine Co., Inc. Can arranging machine. 2,978,091, 4–4–61, Cl. 198—31.
Hentke, Kurt, to A. Kuster & Co. Werkzeugmaschinen. Electric cutting machine. 2,973,576. 3–7–61, Cl. 30—92.
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Henzirohs, Leo, to Jura Elektroapparate-Fabriken L. Henzirohs A.G. Juice extractor. 2,971,646, 2–14–61, Cl. 210—369.
Henzler, Werner H. Testing weights for the scales of egg-grading machines. 3,001,598, 9–26–61, Cl. 177—264.
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Herard, Archibald J., Jr., and V. F. Sepavich, to Crompton & Knowles Corp. Electrically indicating weft detector for loom. 2,980,147, 4–18–61, Cl. 139—273.
Herard, Archibald J., C. R. Kronoff, and H. A. Whitin, to Crompton & Knowles Corp. Looms operating with stationary weft supplies. 3,014,505, 12–26–61, Cl. 139—126.
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Herbenar, Edward J., and S. S. Mazur, to Thompson Ramo Wooldridge Inc. Joint assembly. 2,972,496, 2–21–61, Cl. 287—90.
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Herbert, Thomas A., Jr., to Rohr Aircraft Corp. Apparatus and method for making sandwich panels. 2,978,806, 4–11–61, Cl. 29—471.1.
Herbert, Thomas A., Jr., to Rohr Aircraft Corp. Apparatus for making curved sandwich panels. 2,979,005, 4–11–61, Cl. 113—99.
Herbert, Thomas A., Jr., to Rohr Aircraft Corp. Apparatus and method for brazing honeycomb sandwich panels. 2,984,732, 5–16–61, Cl. 219—78.
Herbert, Thomas M., to The Budd Co. Anti-tilt bolster-mounted brakes. 2,972,314, 2–21–61, Cl. 105—200.
Herbert, Thomas M., and O. E. Freholm, to The Budd Co. Anti-tilt bolster-mounted brakes. 2,972,313, 2–21–61, Cl. 105—200.
Herbert, Wilhelm, K.-H. Eisenlohr, and R. Bayer, to Metallgesellschaft A.G. Method of refining hydrocarbons boiling below 400° C. 2,995,511, 8–8–61, Cl. 208—213.
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Herbes, William F., and A. C. Wintringham, to American Cyanamid Co. Water repellent, method of impregnating textiles with same, and textiles bearing same. 2,981,704, 4–25–61, Cl. 260—21.
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Herbold, Harry S. Sharpener for carpenter pencils. 2,982,253, 5–2–61, Cl. 120—90.
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Herbst, Edward J., to The Singer Mfg. Co. Bobbin winder for sewing machines. 2,988,029, 6–13–61, Cl. 112—220.
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Herbst, John H. E., and H. A. Krässig, to Canadian International Paper Co. Bromide as bleaching catalyst. 2,989,519, 6–20–61, Cl. 260—212.
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Kirk, David C., Jr. 2,984,655.
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Klug, Eugene D. 2,994,668.
Lambert, Charles M. 2,980,629.
Lambert, Charles M. 3,012,975.
Lawrence, Robert W. 3,006,279.
Levering, Dewey R. 2,994,583.
Levine, Max. 3,009,830.
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Ramer, Edward L. 2,974,590.
Reese, John E. 2,996,495.
Robinson, Anderson E., and Willis. 2,983,714.
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Hereld, Peter C., to Chemo Puro Mfg. Corp. Concentrated, stable aqueous solutions of diethoxy-(diethoxybenzyl) isoquinoline hydrochloride. 2,971,888, 2–14–61, Cl. 167—65.
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Hergenrother, Rudolf C., to Raytheon Co. Color kinescopes. Re. 25,082, 11–14–61, Cl. 178—5.4.
Herglotz, Heribert K., to E. I. du Pont de Nemours and Co. Purification process. 3,008,887, 11–14–61, Cl. 204—164.
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Heritage, Clark C., ½ to Weyerhaeuser Co., and ½ to Wood Conversion Co. Production of integral layered felts. 2,993,239, 7–25–61, Cl. 19—156.
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Frankenstein, Edgar L. 2,985,931.
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Hermanny, Heinrich, to Radio Corp. of America. High efficiency automatic assembling apparatus. 3,006,059, 10–31–61, Cl. 29—25.19.
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Hermansdorfer, James E., and W. C. Mellander, to Goodyear Aircraft Corp. Problem analyzer for precision analog computers. 2,977,534, 3–28–61, Cl. 324—73.
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Herndon, Walter B., and V. C. Moore, to General Motors Corp. Accessory drive transmissions. 2,983,164, 5–9–61, Cl. 74—731.
Hernon, Lon. Button. 2,970,355, 2–7–61, Cl. 24—103.
Herold, Conrad J., to Combustion Engineering, Inc. Vapor generator with panel superheating means. 2,976,857, 3–28–61, Cl. 122—478.
Herold, James L. Golf club holder and cart. 2,992,012, 7–11–61, Cl. 280—47.19.
Herold, Rodolphe A., to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Alkaline storage batteries. 2,994,728, 8–1–61, Cl. 136—9.
Heron, Andrew G. Refrigerant evaporator with defrosting means. 2,988,899, 6–20–61, Cl. 62—276.
Heron, Robert S.: *See*—
Allen, Edwin L., and Heron. 3,000,044.
Heron, Sam D., to Ethyl Corp. Antiknock fluids. 2,999,739, 9–12–61, Cl. 44—69.
Herpich, William A.: *See*—
Dempster, George R., and Herpich. 2,973,111.
Dempster, George R., and Herpich. 2,978,122.
Dempster, George R., and Herpich. 2,989,200.
Dempster, George R., and Herpich. 3,011,666.
Dempster, George R., Jones, and Herpich. 2,980,268.
Herpich, William A., to Dempster Brothers, Inc. Containers. 3,001,662, 9–26–61, Cl. 220—1.5.
Herpich, William A., and N. F. Wender, to Dempster Bros., Inc. Hoisting and dumping mechanism for containers. 2,984,374, 5–16–61, Cl. 214—302.
Herpin, Ivey. Saw tooth cutting machine. 3,008,356, 11–14–61, Cl. 76—29.
Herr Equipment Corp., The: *See*—
Herr, Richard F. 2,978,158.
Herr, Gerhard, to Firma Gebr. Happich G.m.b.H. Sun-visor, particularly for motor-vehicles. 2,970,863, 2–7–61, Cl. 296—97.
Herr, Gerhard, and K. Cziptschirsch, to Firma Gebr. Happich G.m.b.H. Door welt-sealing. 2,984,875, 5–23–61, Cl. 20—69.
Herr, John A.: *See*—
Abel, George J., Herr, and Reid. 2,985,122.
Herr, John A., to The Singer Mfg. Co. Thread-chain cutter for sewing machines. 3,008,437, 11–14–61, Cl. 112—252.
Herr, Lewis E., to General Motors Corp. Suspension control arm construction. 2,988,161, 6–13–61, Cl. 180—73.
Herr Mfg. Co., Inc.: *See*—
Atwood, Hyatt B. 3,013,377.
Herr, Paul A. Humidifying apparatus. 2,984,464, 5–16–61, Cl. 261—29.
Herr, Richard F., to The Herr Equipment Corp. Feed apparatus. 2,978,158, 4–4–61, Cl. 226—46.
Herr, Robert W., to Bowmar Instrument Corp. Internal transfer mechanism for counters. 3,002,687, 10–3–61, Cl. 235—139.
Herreshoff, Clarence D. Connecting means for launching and recovery of water-borne craft from and to ships. 2,986,750, 6–6–61, Cl. 9—34.
Herrick, Aaron B., and J. R. Trowbridge, to Colgate-Palmolive Co. Process for manufacturing terpeneless essential oils. 2,975,170, 3–14–61, Cl. 260—236.6.
Herrick, Carlyle S., to General Electric Co. Method and apparatus for forming single crystal in cylindrical form. 2,967,095, 1–3–61, Cl. 23—301.
Herrick, Carlyle S., to General Electric Co. Method of depositing silicon on a silica coated substrate. 2,967,115, 1–3–61, Cl. 117—46.
Herrick, Carlyle S., to General Electric Co. Method of improving the purity of silicon. 2,992,080, 7–11–61, Cl. 41—42.
Herrick, Clifford E., Jr.: *See*—
Straw, Douglas, and Herrick. 2,993,788.
Herrick, Clifford E., Jr., and P. T. Woitach, Jr., to General Aniline & Film Corp. Process of producing a master plate for offset printing and the master plate so produced. 2,982,648, 5–2–61, Cl. 96—28.
Herrick, Donald W.: *See*—
Klamer, Reuben B., and Herrick. 2,994,967.
Klamer, Reuben B., and Herrick. 3,004,353.
Herrick, Elbert C., and M. Orchin, to Houdry Process Corp. Process for making cyclopropyl derivatives. 2,967,181, 1–3–61, Cl. 260—290.
Herrick, Robert M.: *See*—
Karnow, Paul, and Herrick. 2,971,273.
Herrick, Robert M., and P. Karnow, to United States of America, Navy. Performance bar. 2,972,198, 2–21–61, Cl. 35—22.
Herrick, William W.: *See*—
Beaton, Clarence E., and Herrick. 2,971,111.
Herrick, William W., to Pitney-Bowes, Inc. Inking device. 2,990,771, 7–4–61, Cl. 101—367.
Herrick, William W., to Pitney-Bowes, Inc. Carton handling device. 2,994,173, 8–1–61, Cl. 53—382.
Herring, Jack G.: *See*—
Bemiss, Robert P., Herring, and Stenger. 2,987,237.
Herring, Robert H., and L. L. Newbauer, to Rockwell Mfg. Co. Lubricated ball valve. 2,979,071, 4–11–61, Cl. 137—246.13.
Herrington, John N., to C. D. Gilmore. Cutter sleeves for doughnut making machines. 2,983,233, 5–9–61, Cl. 107—14.
Herriott, Donald R., to Bell Telephone Laboratories, Inc. Modified optical system for off-axis flying-spot scanners. 2,984,750, 5–16–61, Cl. 250—220.
Herriott, William, to Bell Telephone Laboratories, Inc. Electro-optical system. 3,006,234, 10–31–61, Cl. 88—1.
Herrle, Karl: *See*—
Ebel, Friedrich, Burger, and Herrle. 3,001,970.
Markgraf, Otto, Schuster, Herrle, Boehm, and Schaefer. 2,969,271.
Herrman, Arthur J.: *See*—
Behnke, Wallace P., and Herrman. 2,984,546.
Herrman, Robert F., and W. T. Lucas, to General Dynamics Corp. Timing systems. 3,011,121, 11–28–61, Cl. 324—68.
Herrmann, Adolf L., to United States of America, Army. Vertical accelerator for missile components. 3,014,360, 12–26–61, Cl. 73—12.
Herrmann, Edgar R.: *See*—
Joseph, Francis M., and Herrmann. 2,973,412.

Herrmann, Edmund P., to Hudson Pulp & Paper Corp. Container. 3,006,525, 10–31–61, Cl. 229—17.

Herrmann, Fred, to The Bendix Corp. Mist lubrication system for high speed rotating machinery. 2,986,433, 5–30–61, Cl. 308—187.

Herrmann, Helmut, to Gewerkschaft Eisenhutte Westfalia. Swing loading system. 2,982,391, 5–2–61, Cl. 198—14.

Herrmann, John A., G. H. Farnsworth, and R. S. Davis, to I-T-E Circuit Breaker Co. Polarized duct system. 2,968,782, 1–17–61, Cl. 339—22.

Herrmann, John A., G. H. Farnsworth, and K. P. Stiner, to I-T-E Circuit Breaker Co. Busway system including roller hangers. 2,969,438, 1–24–61, Cl. 191—23.

Herrmann, John F., and R. M. Gile, to American Optical Co. Projectors. 2,986,069, 5–30–61, Cl. 88—28.

Herrmann, John W., to Esso Research and Engineering Co. Molecular sieve process for upgrading naphtha wherein the desorbed straight chain hydrocarbons are dehydrogenated and used as desorbing agents. 2,981,679, 4–25–61, Cl. 208—310.

Herrmann, Karl-Heinz, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Electron microscope comprising a device for focusing the terminal image. 2,991,361, 7–4–61, Cl. 250—49.5.

Herrmann, Karl L. Internal combustion engine. 2,966,899, 1–3–61, Cl. 123—58.

Herrmann, Karl L. Cam engine valve means. 2,983,264. 5–9–61, Cl. 123—58.

Herrmann, Kenneth W., to The Procter & Gamble Co. Process for the formation of urea adducts by grinding in the absence of liquids. 2,985,641, 5–23–61, Cl. 260—96.5.

Herrmann, Siegfried. Production of fast growing forest trees by vegetative propagation. 2,971,291, 2–14–61, Cl. 47—58.

Herrnstadt, Gerald E., to The Firth Carpet Co., Inc. Special effect pile fabrics. 3,011,243, 12–5–61, Cl. 28—78.

Herron, O. D.: *See*—
Williamson, Robert W. 2,999,526.

Herron, Robert C. Adjustable mounting for tractor fenders. 2,974,977, 3–14–61, Cl. 280—152.

Herron, Thomas F., Jr.: *See*—
Hallam, Cecil A., and Herron. 2,988,917.

Herron, Thomas F., Jr., to Western Electric Co., Inc. Electrical probe. 2,999,388, 9–12–61, Cl. 73—432.

Herron, William L.: *See*—
Graham, Richard P., Herron, and Ketterer. 2,981,215.
Ketterer, Stanley J., and Herron. 3,012,529.
Ketterer, Stanley J., and Herron. 3,012,530.

Herschede Hall Clock Co., The: *See*—
Ballman, Robert J. 2,985,134.

Herschensohn, Arthur M., to Corona Hair Net Corp. Capes for beauty parlors and barber shops. 2,969,548, 1–31–61, Cl. 2—52.

Herscher, Leonard W., and H. D. Ruhl, to The Perkin-Elmer Corp. Radiation comparison system. 2,984,149, 5–16–61, Cl. 88—14.

Hersh, Marvin I.: *See*—
Farrar, George E., Jr., Hersh, and Barnett. 2,973,300.

Hersh, Phyllis, to Curtiss-Wright Corp. Bi-directional magnetic tape recording. 2,972,736, 2–21–61, Cl. 340—174.1.

Hersh, Sidney: *See*—
Carlberg, Robert E., and Hersh. 2,985,072.
Carlberg, Robert E., and Hersh. 2,994,248.
Carlberg, Robert E., and Hersh. 3,001,454.

Hersh, Sidney, and J. J. Lacombe, to United States of America, Navy. Thrust bearing assembly. 2,977,851, 4–4–61, Cl. 89—1.

Hersh, Solomon P.: *See*—
Anderson, Kenneth H., and Hersh. 3,011,991.

Hershberg, Emanuel B., and W. H. Gebert, to Schering Corp. Process for the manufacture of 21-hydroxy pregnenes and intermediates obtained thereby. 3,009,936, 11–21–61, Cl. 260—397.45.

Hershenson, Harold: *See*—
Hainsworth, John G., Hershenson, and Pool. 3,004,892.

Hershey, Albert E., to Westinghouse Electric Corp. Turbine apparatus. 2,992,531, 7–18–61, Cl. 60—39.74.

Hershey, Harold J., H. G. Jordan, and W. E. Restall, Jr., to Bell Telephone Laboratories, Inc. Telephone dial light. 2,988,631, 6–13–61, Cl. 240—2.1.

Hershey, John H., to Bell Telephone Laboratories, Inc. Regulated power supply. 2,997,663, 8–22–61, Cl. 331—87.

Hershey, Willard J., to Ford Motor Co. Vehicle seat construction. 2,987,344, 6–6–61, Cl. 296—66.

Hershman, Gordon L., to International Harvester Co. Hydraulic depth control apparatus. 2,970,653, 2–7–61, Cl. 172—4.

Hersman, Edward R., to The Babcock & Wilcox Co. Pressure sealing joint and gasket therefor. 2,989,209, 6–20–61, Cl. 220—46.

Herstedt, Martin E. Combination nail clipper and tweezers. 2,999,505, 9–12–61, Cl. 132—73.5.

Hertel, Karl, to Auto Union G.m.b.H. Rear wheel suspension, particularly for motor cars. 3,005,642, 10–24–61, Cl. 280—124.

Herter, Raymond F.: *See*—
Sher, Harold, and Herter. 3,014,187.

Herter, William J. Bottle sealing devices. 3,001,658, 9–26–61, Cl. 215—47.

Hertling, Harry J.: *See*—
Fuchs, Martin E., and Hertling. 2,969,785.

Hertling, Leander A., and R. W. Radue, to Monsanto Chemical Co. Preparation of monoesters of polyhydric alcohols. 3,012,064, 12–5–61, Cl. 260—474.

Hertz, Michael. Roller guide for plow blade. 2,983,058, 5–9–61, Cl. 37—46.

Hertzberg, Arthur: *See*—
Abbott, William P., and Hertzberg. 2,986,896.
Friedlander, Sidney L., and Hertzberg. 2,989,757.

Hertzell Propeller, Inc.: *See*—
Biermann, David. 2,992,688.

Hertzman, John A. Shelf assembly. 2,977,173, 3–28–61, Cl. 312—257.

Hertzog, Allen C. Adjustable curtain bracket. 2,998,955, 9–5–61, Cl. 248—263.

Hertzog, Theodore W.: *See*—
Bendler, Harry M., Biell, Hertzog, La Boda, and Ben. 2,968,555.

Herunter, Franz. Skiing boot. 3,008,250, 11–14–61, Cl. 36—2.5.

Herusovsky, Louis J.: *See*—
Hammond, Milton B., and Herusovsky. 2,970,847.

Herve, Marcel. Electrostatic transducers. 2,974,202, 3–7–61, Cl. 179—100.41.

Hervert, George L.: *See*—
Linn, Carl B., and Hervert. 2,995,611.

Hervert, George L., to Universal Oil Products Co. Centrifugal contactor. 2,995,612, 8–8–61, Cl. 260—683.48.

Hervert, George L., and H. S. Bloch, to Universal Oil Products Co. Preparation of alumina-combined halogen composite. 2,981,696, 4–25–61, Cl. 252—441.

Hery, Vincent D., to The American Tool Works Co. Machine for producing containers. 2,977,860, 4–4–61, Cl. 93—47.

Herz, Josef E.: *See*—
Fried, Josef, and Herz. 2,972,610.
Fried, Josef, and Herz. 2,973,376.
Fried, Josef, and Herz. 2,988,555.
Fried, Josef, and Herz. 3,000,911.
Fried, Josef, and Herz. 3,005,817.
Fried, Josef, and Herz. 3,007,925.
Fried, Josef, and Herz. 3,007,945.

Herz, Josef E., and J. Fried, to Olin Mathieson Chemical Corp. 21-fluro-9α-halo-steroids of the pregnane series. 2,973,356, 2–28–61, Cl. 260—239.55.

Herz, Josef E., and J. Fried, to Olin Mathieson Chemical Corp. 9α-halo-21-alkane sulfonates of the pregnane series and process therefor. 3,000,915, 9–19–61, Cl. 260—397.45.

Herz, Joseph H., to California Portland Cement Co. Cement raw mix and clinker grinding mill control system. 3,011,726, 12–5–61, Cl. 241—30.

Herzberg, Horst, and L. Orthner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Chlorination and sulfochlorination of low-pressure polyethylene. 2,981,720, 4–25–61, Cl. 260—79.3.

Herzberg, Marcel, to Ciba Ltd. Resin solutions suitable for producing coatings. 3,006,877, 10–31–61, Cl. 260—24.

Herzel, Rudy, and R. L. Campion, to Standard Oil Co. Manufacture of pour depressor. 2,972,641, 2–21–61, Cl. 260—671.

Herzfeld, Fred, to Radio Corp. of America. Test signal generator with circuit means to separately adjust rise and fall time of the output pulses. 3,007,055, 10–31–61, Cl. 307—88.5.

Herzfeld, Richard P. Spring loaded hinge. 2,967,325, 1–10–61, Cl. 16—189.

Herzfeld, Richard P. Outdoor theater sound system. 2,979,607, 4–11–61, Cl. 250—6.

Herzfeld, Valerius E.: *See*—
Daniels, Howard L., and Herzfeld. 2,973,145.

Herzig, Leonard A., to P. C. I. Inc. Microfilm record card. 2,977,017, 3–28–61, Cl. 216—62.

Herzig, Leonard A., to P.C.I. Inc. Microfilm record card. 2,984,921, 5–23–61, Cl. 40—158.

Herzl, Peter J., to Sperry Gyroscope Co. of Canada, Ltd. Rotary fluid valve. 3,007,494, 11–7–61, Cl. 137—623.

Herzog, Gerhard, to Texaco Inc. Radiation well logging. 2,993,994, 7–25–61, Cl. 250—83.3.

Herzog, Gerhard, to Texaco Inc. Radioactivity well logging. 2,996,619, 8–15–61, Cl. 250—83.3.

Herzog, Gerhard, and G. M. Wood, to Texaco Inc. Radiation well logging. 2,999,936, 9–12–61, Cl. 250—83.3.

Herzog, Hershel L.: *See*—
Charney, William, Herzog, and Sutter. 3,014,051.
Havsky, Jan, and Herzog. 3,013,945.

Herzog, Hershel L., to Schering Corp. 12α-fluoro-16α-hydroxy pregnenes. 2,979,517, 4–11–61, Cl. 260—397.45.

Herzog, Kurt. Internal tubular splint for the fixation of bone fractures and method of applying it. 2,998,007, 8–29–61, Cl. 128—92.

Herzog, Levonna: *See*—
Gold, Marvin H., and Herzog. 3,000,952.

Herzog, Levonna, to Aerojet-General Corp. Geminal dinitroalkanoates and process of making same. 3,000,933, 9–19–61, Cl. 260—488.

Herzog, Levonna, to Aerojet-General Corp. 4,4-dinitro 1,7-heptanedioylchloride and method of making it. 3,000,936, 9–19–61, Cl. 260—544.

Herzog, Levonna, to Aerojet-General Corp. Alpha, omega-dihalo-geminal-dinitro compositions. 3,000,969, 9–19–61, Cl. 260—644.

Herzog, Richard F. K., to United States of America, Air Force. Multiple-range recorder switching device. 2,973,238, 2–28–61, Cl. 346—32.

Heselov, Simon. Multiple bin dispensing rack for cigarette packages. 3,010,606, 11–28–61, Cl. 221—92.

Heskett, Kenneth D., to Sparklets Ltd. Method and apparatus for die casting and moulding. 2,985,928, 5–30–61, Cl. 22—73.

Hesky, Hans. Method for reducing the deuterium concentration of the residual moisture adhering to a pulverulent catalyst substance after filtration of a catalyst suspension through the filter cake. 2,988,428, 6–13–61, Cl. 23—204.

Hesky, Hans. Process for enriching and/or producing heavy water during the synthesis of ammonia using exchange of isotopes between ammonia and hydrogen gas. 2,997,369, 8–22–61, Cl. 23—204.

Heslop, Robert N.: *See*—
Barker, Peter W., Heslop, Poole, and Stephen. 2,978,289.

Hess, Anton, to Thompson Ramo Wooldridge Inc. Rotor construction for rotary regenerator. 2,978,227, 4–4–61, Cl. 257—268.

Hess, Anton, to Thompson Ramo Wooldridge Inc. Seal for rotary regenerator. 3,003,750, 10–10–61, Cl. 257—269.

Hess, Anton, to Thompson Ramo Wooldridge, Inc. Wiper type seal for rotary regenerator. 3,011,766, 12–5–61, Cl. 257—269.

Hess, Carl W.: *See*—
Lundquist, Gust, and Hess. 3,005,557.

Hess, Charlotte. Shoe having an elongated shank portion. 2,992,496, 7–18–61, Cl. 36—8.5.

Hess, Christian H., to Deere & Co. Tractor-pick up hitch. 2,979,137, 4–11–61, Cl. 172—272.

Hess, Erdmann: *See*—
Schulze, Joachim, and Hess. 3,006,548.

Hess, Frederic O., to Selas Corp. of America. Annealing lehr. 2,968,894, 1–24–61, Cl. 49—47.

Hess, Frederick G.: *See*—
Bradbury, Walter C., and Hess. 3,011,973.

Hess, Goldsmith & Co.: *See*—
Lotz, Edwin L. 3,012,845.
May, Merrill R. 2,970,934.

Hess, Heinrich O., to Joh. Jacob Rieter & Co. Ltd. Silver depositing apparatus. 3,005,240, 10–24–61, Cl. 19—166.

Hess, Howard V.: *See*—
Christensen, Edward R., Ryer, and Hess. 3,000,810.
Eckert, George W., and Hess. 2,996,367.
Eckert, George W., and Hess. 3,009,792.
Eckert, George W., and Hess. 3,009,793.

Hess, Howard V., to Texaco Inc. Petroleum treating process. 2,969,317, 1–24–61, Cl. 208—96.

Hess, Howard V., and C. A. Coghlan, to Texaco Inc. Method and apparatus for high pressure fractional crystallization. 2,986,587, 5–30–61, Cl. 260—674.

Hess, Howard V., and E. R. Christensen, to Texaco Inc. Method of treating a petroleum fraction using molecular sieve alumino-silicate selective adsorbents. 3,007,863, 11–7–61, Cl. 208—92.

Hess, James B.: *See*—
Roberts, Sidney G., Fetzer, and Hess. 2,967,351.

Hess, Jerome E., Sr. Ash tray with display insert. 2,989,813, 6–27–61, Cl. 41—10.

Hess, Paul S., to General Plastics Corp. Nylon coating method. 2,972,553, 2–21–61, Cl. 117—47.

Hess, Robert F. W. Valve reseating tool. 2,976,774, 3–28–61, Cl. 90—12.5.

Hess, Robert W.: *See*—
Hegman, Robert L., and Hess. 2,979,086.

Hess, Walter R. Wall structure. 3,002,591, 10–3–61, Cl. 189—34.

Hess, Werner G.: *See*—
Schultz, Harry G., and Hess. 2,983,807.

Hesse, Kenneth R., to Westinghouse Electric Corp. Method of making a screen member. 3,005,708, 10–24–61, Cl. 96—35.

Hesse, Myron C. Seep type cattle oiler. 2,983,252, 5–9–61, Cl. 119—157.

Hesse, Myron C. Positive feed for cattle oilers. 2,988,052, 6–13–61, Cl. 119—157.

Hesse, Stanley H.: *See*—
Nunn, Leslie G., Jr., and Hesse. 3,004,056.

Hesse, William E., J. F. Shawhan, and R. B. Pohlman, Jr., to Dover Corp. Control system for elevator motors. 2,978,070, 4–4–61, Cl. 187—29.

Hessel, Frederick A.: *See*—
Steckler, Robert, Werner, and Hessel. 3,012,989.

Hessel, Frederick A., to General Aniline & Film Corp. Nematocidal composition. 2,987,437, 6–6–61, Cl. 167—33.

Hessel, Frederick A., to General Aniline & Film Corp. Suppressing potato sprouting by the vapors of dipropargyl ether. 2,999,746, 9–12–61, Cl. 71—2.7.

Hesseltine, Clifford W.: *See*—
Smith, Allan K., Hesseltine, and Shibasaki. 2,967,108.

Hessenberg, Wilfrid C. F., to The British Iron & Steel Research Association. Rolling mills. Re. 25,075, 10–31–61, Cl. 80—32.

Hesser, Earl D., and W. W. Short. Power tongs. 2,989,880, 6–27–61, Cl. 81—53.

Hessinger, Richard W., and W. Kelly, to The Commonwealth Engineering Co. of Ohio. Automatic fault locator. 2,988,694, 6–13–61, Cl. 324—73.

Hessinger, Richard W., and W. Kelly, to The Commonwealth Engineering Co. of Ohio. Power supply particularly for automatic fault locator. 2,989,683, 6–20–61, Cl. 321—16.

Hession, John W., Jr. Aerosol devices. 2,984,420, 5–16–61, Cl. 239—405.

Hession, John W., Jr., ⅛ to S. A. Hession, and ⅛ to M. A. Hession. Adjustable aerosol device. 2,984,421, 5–16–61, Cl. 239—406.

Hession, Mark A.: *See*—
Hession, John W., Jr. 2,984,421.

Hession, Sarah A.: *See*—
Hession, John W., Jr. 2,984,421.

Hesslenberg, Werner, to Firma Walther-Technik Carl Kurt Walther. Clamp. 3,003,208, 10–10–61, Cl. 24—28.

Hessler, Arthur F.: *See*—
Boretti, Napoleon P., Hessler, and Shearer. 2,978,569.

Hesson, Charles O., to United States of America, Navy. Mechanical switch and hermetically sealing means for an electric time fuze. 2,974,597, 3–14–61, Cl. 102—70.2.

Hesson, James C., to Chemetron Corp. Carbon dioxide fire extinguishing nozzle. 2,978,187, 4–4–61, Cl. 239—499.

Hesson, James C., and R. S. Frost, to Chemetron Corp. Cooling apparatus for liquid baths. 2,988,898, 6–20–61, Cl. 62—168.

Hesston Mfg. Co., Inc.: *See*—
White, Allen A. 2,986,186.
White, Allen A. 2,996,934.

Hester, David B.: *See*—
Clarke, David W., and Hester. 3,009,882.

Hester, Dewey S. Drill pipe saving device. 2,969,845, 1–31–61, Cl. 175—200.

Hester, Dwight H. Liquid applicator. 2,996,749, 8–22–61, Cl. 15—537.

Hester, Jackson B., to Suburban Propane Gas Corp. Stabilized trace element solutions for correcting soil deficiencies. 2,976,138, 3–21–61, Cl. 71—1.

Hester, Henry G., to Deering Milliken Research Corp. Bed coverings. 2,994,094, 8–1–61, Cl. 5—334.

Hester, Robert W. Lawn mower with tiltable top. 2,993,321, 7–25–61, Cl. 56—25.4.

Heston, Eugene E.: *See*—
Mallory, Edwin E., Heston, Kline, and Christy. 2,970,341.

Heston, Eugene E., to National Rubber Machinery Co. Sheeting die. 2,975,475, 3–21–61, Cl. 18—12.

Hetchler, Lester F.: *See*—
Welker, Oscar L., and Hetchler. 2,997,661.

Heth, Edwin M.: *See*—
Prentice, David V., and Heth. 3,003,541.

Heth, Sherman C., to International Harvester Co. Hay gathering and conditioning rolls. 2,974,462, 3–14–61, Cl. 56—1.

Heth, Sherman C., to Jacobsen Mfg. Co. Reel type lawn mower with air baffle. 2,983,093, 5–9–61, Cl. 56—26.

Heth, Sherman C., and D. R. Snoeyenbos, to International Harvester Co. Windrower with crushing rolls. 2,989,829, 6–27–61, Cl. 56—1.

Hetherington, James O. and J. S. System for producing Jacquard cards and the like. 2,971,692, 2–14–61, Cl. 234—40.

Hetherington, James S.: *See*—
Hetherington, James O. and J. S. 2,971,692.

Hett, John H., to American Cystoscope Makers, Inc. Medical instrument with focusing telescope. 2,990,830, 7–4–61, Cl. 128—4.

Hetteen, Edgar E., to Polaris Industries, Inc. Motor propelled sled. 2,970,662, 2–7–61, Cl. 180—5.

Hetteen, Edgar E., to Polaris Industries, Inc. Straw cutters and spreaders. 3,005,637, 10–24–61, Cl. 275—3.

Hettich, Fernando P.: *See*—
Bertullo, Victor H., and Hettich. 3,000,789.

Hettinger, William P., Jr.: *See*—
Braithwaite, David G., McGrew, Hettinger, and D'Amico. 3,010,914.

Hetzel, Max, to Bulova Watch Co., Inc. Electronically-controlled timepiece. 2,971,323, 2–14–61, Cl. 58—23.

Hetzler, Lewis R., and L. J. Sheldrake, to General Motors Corp. Regulator circuit for generators. 2,992,381, 7–11–61, Cl. 322—25.

Hetzler, Lewis R., and L. J. Sheldrake, to General Motors Corp. Regulating circuit for generators. 2,992,382, 7–11–61, Cl. 322—25.

Hetzler, Lewis R., and T. E. Kirk, to General Motors Corp. Regulating apparatus for generators. 2,992,383, 7–11–61, Cl. 322—28.

Henchemer, Willy, and H. Reinsch, to Eugen Bauer, G.m.b.H. Film splicer. 2,979,115, 4–11–61, Cl. 154—42.1

Heuck, Edward L. Liver processing method and product. 2,993,795, 7–25–61, Cl. 99—194.

Heuer, Charles A., and R. F. Adams, to Olin Mathieson Chemical Corp. Connection. 2,991,543, 7–11–61, Cl. 29—157.3.

Heuer, Charles H., and J. L. Rennick, to Zenith Radio Corp. Luminance amplifier. 2,999,897, 9–12–61, Cl. 178—5.4.

Heuer, Hans, to Olympia Werke A.G. Mounting device for printed circuit boards. 2,971,179, 2–7–61, Cl. 339—17.

Heuer, Hans, to Olympia Werke AG. Resetting apparatus for calculating machines. 3,003,692, 10–10–61, Cl. 235—144.

Heuer, Kurt: *See*—
Daimler, Berthold, Elling, Elssner, and Heuer. 3,002,803.
Elling, Hugo, Elssner, Grotjahn, and Heuer. 2,983,572.

Heuer, Kurt, H. Elling, and R. Elssner, to American Enka Corp. Production of shaped objects from viscose. 2,974,004, 3–7–61, Cl. 18—54.

Heuer, Kurt, A. L. McPeters, and A. F. Knight, to American Enka Corp. Manufacture of rayon. 2,974,005, 3–7–61, Cl. 18—54.

Heuer, Russell P., to General Refractories Co. Magnesia brick. 2,999,759, 9–12–61, Cl. 106—58.
Heuer, Russell P., to General Refractories Co. Refractory roof. 3,005,422, 10–24–61, Cl. 100—99.
Heuer, Russell P., to General Refractories Co. Refractory roof construction and refractory brick. 3,005,424, 10–24–61, Cl. 110—99.
Heuer, Russell P., Jr. Process of desulfurizing pig iron. 2,979,393, 4–11–61, Cl. 75—51.
Heukensfeldt Jansen, Hubertus V. P., to Kunstzijdespinnerij Nyma N.V. Method and device for manufacturing a tire cord consisting of two elements. 2,981,047, 4–25–61, Cl. 57—60.
Heuler, Harry R. Article support to span hump in an automobile floor. 2,969,900, 1–31–61, Cl. 224—29.
Heumann, Jules M., to Metropolitan Furniture Mfg. Co. Extensible sofa bed. 2,997,724, 8–29–61, Cl. 5—18.
Heuninckx, Alphonse M., deceased (T. A. Harvey, administrator), and J. Southworth, Jr., to Union Carbide Corp. Intercell connection and sealing of secondary batteries in series. 2,991,323, 7–4–61, Cl. 136—6.
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Heuser, Leon J.: *See*—
Donovick, Richard, Dutcher, Heuser, and Pagano. 2,990,-325.
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Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,986,567.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,-903.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,-904.
Wettstein, Albert, Anner, and Heusler. 3,014,032.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Weiland, Schmidlin, and Billeter. 2,994,694.
Wettstein, Albert, Anner, Heusler, Ueberwasser, Wieland, Schmidlin, and Billeter. 3,000,882.
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Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,970.
Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,971.
Wettstein, Albert, Heusler, Ueberwasser, and Wieland. 3,002,972.
Wettstein, Albert, Heusler, and Wieland. 3,004,890.
Wettstein, Albert, Heusler, and Wieland. 3,012,940.
Heusner, Wilhelm L. G., to Hermann Schwarz, K.G. Two-part metallic mine prop. 2,973,178, 2–28–61, Cl. 248—354.
Heusner, Wilhelm L. G., to Hermann Schwarz K.G. Control valve for use in connection with the building of mine shafts. 2,997,272, 8–22–61, Cl. 251—83.
Heuss, Henry C., and J. Zima, to Crane Co. Method of forming branched fittings. 2,975,510, 3–21–61, Cl. 29—157.
Heusser, Hans: *See*—
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Heussner, Gerda, to Koch Processes Ltd. Half-tone printing blocks. 2,978,324, 4–4–61, Cl. 96—35.
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Heuver, Herbert M., and D'Andrea. 3,010,652.
Hevener, Osborn F. Electrical indicating instrument. 2,987,-917, 6–13–61, Cl. 73—336.
Hewes, Ralph W., to General Railway Signal Co. Roller bearing supports for railway switch points. 2,979,295, 4–11–61, Cl. 246—435.
Hewett, John B., and E. A. Windham. Air conditioning systems. 3,009,331, 11–21–61, Cl. 62—176.
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Hartill, Eric R., Hewett, and Pimm. 2,969,415.
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Davis, Roger A., and Hewitt. 3,001,469.
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Hewitt, Ellis E., to Westinghouse Air Brake Co. Valve device with annular resilient valving elements. 2,979,080, 4–11–61, Cl. 137—620.
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Hewitt, John C., Jr., to Robertshaw-Fulton Controls Co. Control device. 2,989,841, 6–27–61, Cl. 60—23.
Hewitt, John J.: *See*—
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Tegen, Richard K., and Hewitt. 2,985,984.
Hewitt, Redginal I., and E. Waletzky, to American Cyanamid Co. Dithiophosphates as systemic insecticides in mammals. 3,007,845, 11–7–61, Cl. 167—53.
Hewitt-Robins Inc.: *See*—
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Anderson, Theodore C. 2,994,825.
Bergh, Arndt B., and Kan. 3,007,106.
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Holland, Kenneth M. 3,006,798.
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Magleby, Kay B., and Van Duzer. 3,011,129.
Negrete, Marco R. 2,994,012.
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Carter, Rowland S. 2,968,714.
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McClelland, Joseph S., Jr. 2,973,294.
Runkle, Raymond B. 2,968,712.
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Di Bella, Eugene P. 3,000,975.
Girard, Theodore A. 2,975,211.
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Leitner, George J. 2,991,222.
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Plapper, Jurgen, and Heyden. 3,010,780.
Heyden, Rudi, and H. Wedell, to Böhme Fettchemie G.m.b.H. Process for waterproofing fibrous materials. 2,977,249, 3–28–61, Cl. 117—135.5.
Heyden, Rudi, and J. Plapper, to Bohme Fettchemie G.m.b.H. Washing process for the removal of chrome soaps from chrome-tanned furs. 2,989,362, 6–20–61, Cl. 8—94.14.
Heyek, Gerhard. Dry shaver head construction for cutting long and short hair. 2,975,516, 3–21–61, Cl. 30—34.
Heyer, Benjamin F. W. Engine parameter analyzer. 2,986,032, 5–30–61, Cl. 73—116.
Heyer, Don, to M and H Industries, Inc. Hinge. 2,973,547, 3–7–61, Cl. 16—129.
Heyer, Don, to M and H Industries. Pull for cabinet doors and drawers and mounting means therefor. 2,982,989, 5–9–61, Cl. 16—121.
Heyer, Don, to M & H Industries. Cabinet door catch. 2,990,-207, 6–27–61, Cl. 292—70.
Heyer, Don. Fluid coupled transmission mechanism. 3,003,-318, 10–10–61, Cl. 60—54.
Heyer, Don, and J. W. Maize, to M and H Industries, Inc. Spring catch. 2,983,536, 5–9–61, Cl. 292—75.
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Springer, Edward M., and Moore. 2,996,039.
Heyl & Co. Chemisehpharmazeutische Fabrik: *See*—
Wittig, Georg, and Hornberger. 2,975,027.
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Heylmun, Stanley L. Meter. 3,000,111, 9–19–61, Cl. 35—11.
Heym, Alfred W. Automatic stop for narrow fabric looms. 2,969,814, 1–31–61, Cl. 139—371.
Heyman, Benjamin, to Anchor Post Products, Inc. Fitting clip. 2,976,019, 3–21–61, Cl. 256—47.
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Amiard, Gaston, and Heymes. 3,009,923.
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Amiard, Gaston, Heymes, and Velluz. 3,014,022.
Heyn, Friedbert M., to Industrie-Companie Kleinewefers Konstruktions- und Handelsgesellschaft M.b.H. Cylindrical radiation recuperator with upper and lower air distributor. 2,998,962, 9–5–61, Cl. 257—246.
Heyn, William O., and C. E. Brady, to Chrysler Corp. Staggered land spool valve. 2,972,984, 2–28–61, Cl. 121—46.5.

Heyna, Johannes, L. W. Berlin, and E. Schinzel, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Hardening of protein. 2,994,611, 8–1–61, Cl. 96—111.

Heyna, Johannes, K. Sommer, A. Siebert, and K. Berner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Red monoazo-dyestuffs. 3,008,950, 11–14–61, Cl. 260—199.

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Heynau, Hans F. 2,970,569.

Heynau, Hans F., deceased, by E. E. Heynau, executrix, to E. E. Heynau. Writing implements. 2,970,569, 2–7–61, Cl. 120—9.

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De Weijer, Henricus J., and Heynen. 2,985,946.

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Heyns, Ockert S. Method and apparatus for facilitating the processes of parturition. 2,981,255, 4–25–61, Cl. 128—361.

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Phillips, Benjamin, Starcher, and Heywood. 2,999,868.

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Hendrickson, Severin B. 2,973,806.
Hendrickson, Severin B. 2,995,182.
Hendrickson, Severin B., and Reid. 2,985,225.
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Heyworth, Ernest, to Scovill Mfg. Co. Bolt carried tilting locking bar. 2,976,901, 3–28–61, Cl. 151—11.

Hezel, Alois, and W. Weisser, to International Standard Electric Corp. Linefinder circuit arrangement. 2,989,593, 6–20–61, Cl. 179—18.

Hezel, Alois, and W. Weisser, to International Standard Electric Corp. Circuit arrangement for the transmission of signal pulses according to the voltage-comparison method. 2,999,227, 9–5–61, Cl. 340—172.

Hezel, Herman, to Kollsman Instrument Corp. Instrument dial. 3,001,503, 9–26–61, Cl. 116—129.

Hezler, Julius, Jr., to General Motors Corp. Roof ventilator for vehicles. 2,987,979, 6–13–61, Cl. 98—2.

Hezler, Julius, Jr., to General Motors Corp. Mounting and sealing means for vehicle windows. 2,989,338, 6–20–61, Cl. 296—93.

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Hibbard, Haines C., to Jersey Production Research Co. Correlation of seismic records. 3,014,651, 12–26–61, Cl. 235—61.6.

Hibbard, Herbert R., to Bremshey & Co. Shortenable umbrella. 3,003,509, 10–10–61, Cl. 135—25.

Hibbard, James N.: *See*—
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Hibbard, Lloyd J., to Westinghouse Electric Corp. High-speed electric-car control. 2,970,250, 1–31–61, Cl. 318—90.

Hibbard, Rowland G., and F. B. Berry. Device for holding screws, bolts and the like. 2,985,208, 5–23–61, Cl. 145—50.

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Hibner, De Los E., Jr., to Blaw-Knox Co. Furnace seal means. 3,004,502, 10–17–61, Cl. 110—179.

Hibshman, Henry J., to Esso Research and Engineering Co. Homogeneous nuclear reactors. 2,999,057, 9–5–61, Cl. 204—154.2.

Hiby, Friedrich K., to Simon-Carves Ltd. Coke oven doors. 3,014,746, 12–26–61, Cl. 292—259.

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Hickerson, John E., to International Business Machines Corp. Magnetic typewriter. 2,985,135, 5–23–61, Cl. 118—11.

Hickey, Henry V. Bowling practice method and apparatus. 2,998,660, 9–5–61, Cl. 35—29.

Hickin, Robert J., to Packaging Corp. of America. Packaging method and apparatus. 2,968,898, 1–24–61, Cl. 53—26.

Hickin, Robert J., and D. C. McCollough, to Packaging Corp. of America. Method of joining paperboard elements using more than one kind of adhesive and carton sealed by such method. 3,007,376, 11–7–61, Cl. 93—36.

Hickle, Clyde S., and P. B. Hover, to Ranco Inc. Motor protector. 2,980,779, 4–18–61, Cl. 200—113.

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Hickman, Albert F., to Hickman Developments, Inc. Constant height spring suspension for vehicles. 2,998,266, 8–29–61, Cl. 280—124.

Hickman, Albert F. Body roll stabilizer for motor trucks. 3,003,782, 10–10–61, Cl. 280—112.

Hickman, Clarence N., to United States of America, War. Separation means. 2,976,804, 3–28–61, Cl. 102—49.

Hickman Developments, Inc.: *See*—
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Hickman, Richard W., L. G. Mamas, and F. M. Alexander, to Industrial Nucleonics Corp. Measuring apparatus. 3,007,052, 10–31–61, Cl. 250—83.3.

Hickok Mfg. Co. Inc.: *See*—
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Hicks, Alan: *See*—
Swimmer, Ernest J., and Hicks. 2,991,081.

Hicks, Alan A. Three-dimensional die. 2,988,838, 1–24–61, Cl. 18—34.

Hicks, Alton D.: *See*—
Bablarz, Raymond S., and Hicks. 2,991,146.

Hicks, Bruce C., to E.M.P. Electric Ltd. Electrical protective equipment. 2,989,608, 6–20–61, Cl. 200—115.

Hicks, Bruce C., to I-T-E Circuit Breaker Co. Electric fuses. 3,012,121, 12–5–61, Cl. 200—120.

Hicks, Carl D.: *See*—
Cunningham, James M., and Hicks. 2,995,240.

Hicks, Darrell D., to Devoe & Raynolds Co., Inc. Hydroxyl-containing copolymers and their preparation. 3,002,059, 10–3–61, Cl. 260—88.1.

Hicks, Edward C., to Hughes Aircraft Co. Method of manufacturing a composite rotor. 2,996,791, 8–22–61, Cl. 29—155.53.

Hicks, Emery A. Record repeating attachment for phonograph. 2,986,399, 5–30–61, Cl. 274—14.

Hicks, Esther G.: *See*—
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Dyke, Charles L., and L. M. 2,969,986.

Hicks, Harry F., Jr.: *See*—
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Hicks, Harry F., Jr., to United States of America, Navy. Root-mean square volt meter for low frequency currents. 2,981,887, 4–25–61, Cl. 324—98.

Hicks, Harry F., Jr., to United States of America, Navy. Bolometer construction. 3,012,212, 12–5–61, Cl. 338—18.

Hicks, John, IV. Magnetic head cleaning tape. 2,992,447, 7–18–61, Cl. 15—210.

Hicks, John W., Jr., to American Optical Co. Method and apparatus for use in the fabrication of light-conducting devices. 2,980,957, 4–25–61, Cl. 18—8.

Hicks, John W., Jr., to American Optical Co. Method and apparatus for use in the fabrication of light-conducting devices. 2,992,517, 7–18–61, Cl. 49—79.

Hicks, John W., Jr., to American Optical Co. Manufacture of fiber optical devices. 3,004,368, 10–17–61, Cl. 49—79.

Hicks, John W., Jr., and W. P. Bazinet, Jr., to American Optical Co. Fiber optical devices. 2,992,587, 7–18–61, Cl. 88—1.

Hicks, John W., Jr., and W. P. Bazinet, Jr., to American Optical Co. Method of forming fiber optical devices. 2,995,970, 8–15–61, Cl. 88—1.

Hicks, Richard J.: *See*—
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Hicks, Robert B., and E. O. Grahn, to General Motors Corp. Refrigerator shelving. 2,973,236, 2–28–61, Cl. 312—319.

Hicks, Walter R. Book with talking pages. 2,997,306, 8–22–61, Cl. 274—42.

Hicks, Walter W. Slide viewer. 3,000,123, 9–19–61, Cl. 40—63.

Hicks, Warren G., to Socony Mobil Oil Co., Inc. Conversion of velocity well-logging data. 3,008,120, 11–7–61, Cl. 340—18.

Hicks, William D., to Vickers-Armstrongs (Aircraft) Ltd. Flushing apparatus for a self-contained closet. 3,001,205, 9–26–61, Cl. 4—90.

Hicks, William L.: *See*—
Culberson, Fisher W., and Hicks. 3,003,536.

Hicks, William L. Ballasted earth compaction equipment. 3,008,389, 11–14–61, Cl. 94—50.

Hicks, William L., to Led Ballast, Inc. Pneumatic tire ballast. 3,008,506, 11–14–61, Cl. 152—330.

Hicks, William T.: *See*—
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Hicks, William T., B. B. Jordan, and A. S. Ordecki, to Western Electric Co., Inc. Positioning device for moving a member to selected positions. 2,984,212, 5–16–61, Cl. 121—40.

Hicks, William W., and J. C. Beckett, to Ionaire, Inc. Ion generator and method. 2,972,680, 2–21–61, Cl. 250—44.

Hickson & Welch Ltd.: *See*—
Adams, Dennis A. W., and Sarkar. 2,989,527.

Hidalgo, John, A. R. Williams, and I. F. Halverstadt, to Cutter Laboratories, Inc. Bis-quaternary ammonium esters of amino-carboxylic acids and amino-alcohols. 2,980,678, 4–18–61, Cl. 260—247.2.

Hidding, Walter E. Handle with attaching band for pharmaceutical bottles. 2,982,434, 5–2–61, Cl. 215—110.

Hider, Glenn A., to The Gleason Works. Intermittent index mechanism. 3,007,345, 11–7–61, Cl. 74—393.

Hieronymus, Ernst: *See*—
Probst, Otto, and Hieronymus. 2,985,693.

Hieronymus, Ernst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing para-xylene. 3,002,035, 9–26–61, Cl. 260—673.5.

Hieronymus, Ernst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing aromatic hydrocarbons. 3,002,036, 9–26–61, Cl. 260—673.5.
Hieronymus, John W., to The Johnson Corp. Journal-inserted syphon pipe. 2,978,815, 4–11–61, Cl. 34—125.
Hieronymus, John W., to The Johnson Corp. Syphon pipe shoe. 3,009,261, 11–21–61, Cl. 34—125.
Hiers, Victor H., and C. G. Kanzelberger, to Hamilton Mfg. Co. Tiltable drafting board support means. 2,972,207, 2–21–61. Cl. 45—131.
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Matter, Erich, Albrecht, and Hiestand. 2,984,587.
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Higginbotham, William W., to Ford Motor Co. Interconnected air suspension system. 2,988,372, 6–13–61, Cl. 280—104.
Higginbotham, Winfield J. Rack with retractable mobile support. 3,014,733, 12–26–61, Cl. 280—43.1.
Higginbottom, Richard P. Apparatus for providing supplementary heat and moisture in textile steam processing chambers. 2,994,215, 8–1–61, Cl. 68—5.
Higgenbottom, William E., to Burroughs Corp. Actuating mechanism. 2,975,258, 3–14–61, Cl. 200—172.
Higgins, Andrew J., Jr., to Higgins, Inc. Separable submergible portable platform. 3,007,316, 11–7–61. Cl. 61—46.5.
Higgins, Edward F. Plastic protector for externally threaded pipe ends. 2,989,087, 6–20–61. Cl. 138—96.
Higgins, Francis J., to Continental Oil Co. Non-foaming wax composition. 3,001,963, 9–26–61, Cl. 260—23.
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Higgins, Milford P., Sr. Potato separator. 2,979,199, 4–11–61, Cl. 209—114.
Higgins, William A., and R. G. Wurstner, to The Tubrizol Corp. Asphaltic compositions. 2,987,410, 6–6–61, Cl. 106—273.
Higgins, William A., and W. M. Le Suer, to The Lubrizol Corp. Phosphorodithioate inhibitors. 3,000,822, 9–19–61, Cl. 252—32.7.
Higgins, William J. Frame structure for pallets. 2,969,948, 1–31–61, Cl. 248—120.
Higgins, William J. Structure of cargo nets and the like. 2,991,539, 7–11–61, Cl. 28—78.
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Higgs, Paul M., R. H. Malm, and J. B. Robertson, to United States of America, Navy. Shock and pressure sensitive switch. 2,984,719, 5–16–61, Cl. 200—83.
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Highberger, John H., to United Shoe Machinery Corp. Extraction of collagen. 2,979,438, 4–11–61, Cl. 195—4.
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Highley, Wenford E., to ACF Industries, Inc. Automatic choke for carburetors. 2,969,964, 1–31–61, Cl. 261—39.
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Hignett, Harold W. G., P. G. Turner, A. B. Graham, and C. C. Horne, to The International Nickel Co., Inc. Production of turbine or compressor blades. 2,986,806, 6–6–61, Cl. 29—156.8.
Hignett, Travis P., M. R. Siegel, R. S. Meline, and G. M. Blouin, to Tennessee Valley Authority. Process for production of ammonium phosphate fertilizers. 3,005,696, 10–24–61, Cl. 71—64.
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Higonnet, Rene A., and L. M. Moyroud, to Graphic Arts Research Foundation, Inc. Character space controls for type composition. 2,973,080, 2–28–61, Cl. 197—84.
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Hilberg, Wolfgang, B. Gnoth, and U. Eckert, to Telefunken G.m.b.H. Pulse generator with means for producing pulses independent of load conditions. 2,997,600, 8–22–61, Cl. 307—88.5.
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Hildebrandt, Alexander B., to Jersey Production Research Co. Rock bit cutter. 2,994,390, 8–1–61, Cl. 175—378.

Hildebrandt, Alexander B., to Jersey Production Research Co. Method and apparatus for stabilizing productive formations. 2,998,065, 8–29–61, Cl. 166—15.

Hildebrandt, Alexander B., and F. H. Delly, to Jersey Production Research Corp. Turbo-type earth drill. 3,014,542, 12–26–61, Cl. 175—107.

Hildebrandt, Eugene E., and A. M. Sterren, to Ford Motor Co. Saddle type fuel tank. 3,006,358, 10–31–61, Cl. 137—266.

Hildebrandt, Friedrich, to Spinnfaser Aktiengellschaft. Method of shredding and aging alkali-cellulose. 2,973,352, 2–28–61, Cl. 260—233.

Hildebrandt, Friedrich, to Spinnfaser Aktiengesellschaft. Viscose spinning solution containing xanthated lower alcohol. 2,993,798, 7–25–61, Cl. 106—165.

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Hildenbrandt, August J., Jr., and C. F. Mazzeo, to The Wilcolator Co. Gas oven control. 2,994,755, 8–1–61, Cl. 200—140.

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Hildre, Hans, to Hydraulik A/S. Pressure responsive valve for hydraulic systems. 3,013,577, 12–19–61, Cl. 137—469.

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Hiler, Malvern J., to The Commonwealth Engineering Co. of Ohio. Apparatus for defrosting low temperature storage facilities. 2,998,713, 9–5–61, Cl. 62—283.

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Hilkemeier, Herbert, to Hamilton Watch Co. Short duration timer. 2,985,776, 5–23–61, Cl. 307—141.4.

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Hilker, Eugene B., W. H. Cowles, G. B. Stroh, and R. S. Fleming, to Holley Carburetor Co. Force balance system. 2,968,283, 1–17–61, Cl. 121—41.

Hilker, Eugene B., W. H. Cowles, G. B. Stroh, and R. S. Fleming, to Holley Carburetor Co. Mechanical computing device. 2,980,069, 4–18–61, Cl. 121—41.

Hill, Alfred B., L. F. Becnel, and A. P. Tassin, to The American Oil Co. Proportioning system for water treaters. 2,967,538, 1–10–61, Cl. 137—113.

Hill, Arthur B., D. S. Maisel, and D. W. Wood, to Esso Research and Engineering Co Manufacture or norbornylene. 3,007,977, 11–7–61, Cl. 260—666.

Hill, Arthur D. Compass suspension for automatic pilot. 2,973,413, 2–28–61, Cl. 200—52.

Hill, Bernard M., to Northern Electric Co. Material handling apparatus. 3,006,452, 10–31–61, Cl. 198—19.

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Hill, Francis A., 2nd. Miniature electric freezer. 3,012,418, 12–12–61, Cl. 62—506.

Hill, Francis U., and M. L. Simon, to J. B. Shaver, d.b.a. Iron Lung Ventilator Co. Cooling tunnel for hot sheet or strip. 3,000,109, 9–19–61, Cl. 34—156.

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Hill, Fred N., J. T. Fitzpatrick, and F. E. Bailey, Jr., to Union Carbide Corp. Preparation of catalysts for the polymerization of epoxides. 2,969,402, 1–24–61, Cl. 260—632.

Hill, Fred N., F. E. Bailey, Jr., and J. T. Fitzpatrick, to Union Carbide Corp. Metal-amide alcoholates and process of preparation. 2,971,988, 2–14–61, Cl. 260—632.

Hill, Frederick J., to American Viscose Corp. Stuffing machine take-off mechanism. 2,998,176, 8–29–61, Cl. 226—188.

Hill, Frederick L., and F. W. Tweedy. Self-propelled tower vehicle. 2,989,140, 6–20–61, Cl. 182—63.

Hill, Frederick P., to Motorola, Inc. Speed compensated volume control. 2,973,432, 2–28–61, Cl. 250—20.

Hill, Frederick P., and R. G. Hartfield, to Motorola, Inc. Radio receiver. 2,974,225, 3–7–61, Cl. 250—20.

Hill, Freeman K., to United States of America, Navy. Rocket excited wind tunnel. 3,011,341, 12–5–61, Cl. 73—147.

Hill, George H., to Dashew Business Machines, Inc. Printing machines. 3,010,392, 11–28–61, Cl. 101—274.

Hill, George L. Trailer-tractor. 2,968,412, 1–17–61, Cl. 214—505.

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Hill, Harold W., Jr., S. L. Kwolek, and P. W. Morgan, to E. I. du Pont de Nemours and Co. Polyamides from reaction of aromatic diacid halide dissolved in cyclic non-aromatic oxygenated organic solvent and an aromatic diamine. 3,006,899, 10–31–61, Cl. 260—78.

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Hill, James S., to Engelhard Industries, Inc. Surface treatment. 2,973,283, 2–28–61, Cl. 117—71.

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Hill, James S., to Engelhard Industries, Inc. Composite material. 2,984,894, 5–23–61, Cl. 29—199.

Hill, James S., to Engelhard Industries, Inc. Method of making filters. 2,984,896, 5–23–61, Cl. 29—420.

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Hill, John H., to Wildman Jacquard Co. Knitting machine and method for feeding fibers thereto. 2,971,357, 2–14–61, Cl. 66—9.

Hill, John H., to Wildman Jacquard Co. Method of knitting pile fabrics. 3,010,297, 11–28–61, Cl. 66—9.

Hill, John H., to Wildman Jacquard Co. Cam means for knitting machine. 3,013,418, 12–19–61, Cl. 66—57.

Hill, John H., to Wildman Jacquard Co. Method and means for feeding fibers to a knitting machine. 3,014,355, 12–26–61, Cl. 66—9.

Hill, John L., to Remington Rand Inc. Locating information. 2,969,525, 1–24–61, Cl. 340—174.1.

Hill, John L., to Sperry Rand Corp. Data handling and conversion. 2,991,460, 7–4–61, Cl. 340—347.

Hill, John L. Speed control apparatus and method. 3,007,538, 11–7–61, Cl. 180—82.1.

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Hill, Michael W., to Marconi's Wireless Telegraph Co. Ltd. Variable gain amplifiers. 3,001,148, 9–19–61, Cl. 330—86.

Hill, Norman C., to The C. P. Hall Co. Removal of metals from dicarboxylic acids. 2,971,023, 2–7–61, Cl. 260—485.

Hill, Olva E., to Norton Co. Grinding machine. 3,000,150, 9–19–61, Cl. 51—165.

Hill, Okay. Key ring support. 2,986,786, 6–6–61, Cl. 24—3.

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Hill, Philip J. Dehydrating apparatus. 3,001,605, 9–26–61, Cl. 183—4.3.

Hill, Ralph M., J. M. Kelley, Jr., and J. R. Lovett, to Esso Research and Engineering Co. Production of olefins from amorphous linear polymers. 3,000,990, 9–19–61, Cl. 260—683.

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Hill, Richard C. Door pull fastener. 3,000,047, 9–19–61, Cl. 16—121.

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Thomas, David F., and Hill. 2,995,092.

Hill, Robert A., to Waterous Co. Solenoid operated priming valve. 2,980,391, 4–18–61 Cl. 251—210.

Hill, Robert H., to Perfect Circle Corp. Electric motor-driven pump installation. 2,976,807, 3–28–61, Cl. 103—11.

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Clark, Clayton F., and Hill. 2,991,265.

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Hill, Roy R., to Orendorff Mfg. Co. Tooth locking means. 3,013,620, 12–19–61, Cl. 172—762.

Hill, Rufus C., Jr.: *See*—
Brissey, George E., and Hill. 2,982,660.

Hill, Russell C. Shotgun sight. 2,970,380, 2–7–61, Cl. 33—51.

Hill, Rutherford B., to Monsanto Chemical Co. Pigmented fibers of enhanced adhesion to rubber. 2,997,420, 8–22–61, Cl. 154—136.

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Ruhnke, Edward J. 2,993,629.

Hill, Stanley E.: *See*—
Shumaker, Lawrence E., and Hill. 2,994,975.
Shumaker, Lawrence E., and Hill. 2,994,977.

Hill, Thomas C.: *See*—
Storma, Edward M., Field, Hill, and Hake. 2,967,631.

Hill, Walter C., Jr., and G. W. Ibbs, to E. I. du Pont de Nemours and Co. Continuous yarn windup apparatus. 3,001,732, 9–26–61, Cl. 242—18.

Hill, Walter P. Apparatus for bending tubing. 3,010,507, 11–28–61, Cl. 153—32.

Hill, Welbon, Jr. Mail signalling device. 3,009,139, 11–14–61, Cl. 340—281.

Hill, Wilmot G. Fish lure. 2,987,844, 6–13–61, Cl. 43—26.5.

Hill, William H., to Permachem Corp. Process of preparing bactericidal article and the resulting article. 2,981,640, 4–25–61, Cl. 117—138.5.

Hill, William J., to Morgan Construction Co. Roll adjustment. 3,003,836, 10–10–61, Cl. 308—234.

Hill, Yates M.: *See*—
Greanias, Evon C., and Hill. 3,012,233.

Hillard, George O., Jr.: *See*—
Bauch, Werner A., Lambert, and Hillard. 2,973,346.

Hillard, George O., Jr., and M. A. Segura, to Esso Research and Engineering Co. Cyclodiene dimer vapor phase cracking method and furnace. 2,994,724, 8–1–61, Cl. 260—666.

Hillard, Vaughn D., and P. L. Hyatt, to The Aro Equipment Corp. Automatic trolley lubricator. 2,990,916, 7–4–61, Cl. 184—15.

Hillberg, Bror, to Superior Concrete Accessories, Inc. Hanger assembly for suspended concrete forms. 2,985,936, 5–30–61, Cl. 25—131.5.

Hillberg, Bror, to Superior Concrete Accessories, Inc. Outside hanger assembly for suspended concrete forms. 2,985,937, 5–30–61, Cl. 25—131.5.

Hillberg, Bror, to Superior Concrete Accessories, Inc. Holddown anchor device for the embedded cables of prestressed concrete girders. 3,006,114, 10–31–61, Cl. 50—130.

Hillberg, Bror, to Superior Concrete Accessories, Inc. Screed chair. 3,006,115, 10–31–61, Cl. 50—322.

Hillebrand, Albert F. Holy water font. 2,986,307, 5–30–61, Cl. 222—187.

Hillebrand, Gerhard: *See*—
Reiss, Alexander, and Hillebrand. 3,005,073.

Hillen, Robert J.: *See*—
Rogers, Dow A., Jr., and Hillen. 2,970,231.

Hiller Aircraft Corp.: *See*—
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Stuart, Joseph, III. 2,979,286.
Stuart, Joseph, III. 2,981,337.
Stuart, Joseph, III. 3,000,445.

Hiller Engineering Corp.: *See*—
Jones, William J. 3,002,697.

Hiller, Joseph J.: *See*—
Smith, William P. 3,002,737.

Hillgren, Carl C., to Hillgren Mfg. Co. Method of drawing door knobs. 2,972,971, 2–28–61, Cl. 113—51.

Hillgren Mfg. Co.: *See*—
Hillgren, Carl C. 2,972,971.

Hilliard, Hugh C., Jr.: *See*—
Trapnell, Frederick M., Jr., and Hilliard. 2,984,827.

Hilliard, Robert C., to United States of America, Navy. Stable quadrature circuit. 3,015,068, 12–26–61, Cl. 328—158.

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Drumm, Thomas J., and Hilliker. 2,985,862.

Hilliker, Donald E., and J. A. Dahlgren, to General Electric Co. Sliding shelf. 2,997,356, 8–22–61, Cl. 312—348.

Hilliker, Frank E., to Hilliker, Inc. Device for continuously folding and stacking flexible sheet materials. 2,991,071, 7–4–61, Cl. 270—68.

Hilliker, Inc.: *See*—
Hilliker, Frank E. 2,991,071.

Hillis, Orvel N. Folding steps. 2,969,850, 1–31–61, Cl. 182—88.

Hillman, Conway D.: *See*—
Keuffel, Carl W., Baker, and Hillman. 2,971,427.

Hillman, Leon, and R. A. Bolz, to Johnson Service Co. Control system and method of operation. 3,005,462, 10–24–61, Cl. 137—85.

Hillman, Swan. Automatic nut tapping machine having tools and work holders movable in a circular path with improved nut feeding and pick off means. 2,972,759, 2–28–61, Cl. 10—139.

Hillman, Thomas V. K., to Robertshaw-Fulton Controls Co. Pressure regulator. 2,993,506, 7–25–61, Cl. 137—495.

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Hoehn, John J., and Hills. 2,985,395.

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Anderson, John H. 2,988,322.
McFarland, Rolland, Jr. 3,011,758.

Hillsberg, Philip: *See*—
Boughton, Lee M. 3,000,248.

Hillstrom, Nils B., to Galland-Henning Mfg. Co. Baling press. 2,985,101, 5–23–61, Cl. 100—218.

Hillyer, John C., to Phillips Petroleum Co. Hemoglobin as an aid in uranium leaching. 3,003,848, 10–10–61, Cl. 23—14.5.

Hillyer, John C., and K. H. Hachmuth, to Phillips Petroleum Co. Extraction of uranium values from aqueous solutions. 3,004,051, 10–10–61, Cl. 260—429.1.

Hilmar, Fred E., to Sperry Rand Corp. Modulation suppressor. 2,991,408, 7–4–61, Cl. 323—45.

Hilpert, Conrad R.: *See*—
Black, James B., and Hilpert. 3,002,593.

Hilpert, Conrad R., to Twin Disc Clutch Co. Speed ratio governor. 3,007,351, 11–7–61, Cl. 74—732.

Hilpman, Paul, A. T. Rice, and L. F. Albert, to Mergenthaler Linotype Co. Linecasting machines. 2,987,171, 6–6–61, Cl. 199—59.

Hilpman, Paul, L. F. Albert, and H. Schad, to Mergenthaler Linotype Co. Distributor clutch for typographical composing machine. 2,972,399, 2–21–61, Cl. 192—150.

Hils, Karl, and H. J. Schwerdhöfer, to Fichtel & Sachs A.G. Eccentric drive transmission mechanism. 3,013,447, 12–19–61, Cl. 74—805.

Hilsinger, Harry A., Jr., to Bell Telephone Laboratories, Inc. Step twist wave guide rotary joint. 3,001,159, 9–19–61, Cl. 333—98.

Hilton, Stanley C., to C. Yardley Chittick. Washing machine. 2,979,063, 4–11–61, Cl. 134—77.

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Himel, Edmond E., Jr. Sea transfer device. 2,998,148, 8–29–61, Cl. 214—14.

Himel, Edmond E., Jr. Chain hoist. 2,998,277, 8–29–61, Cl. 294—75.

Himeon, Harold T., and R. E. Wahl, to General Electric Co. Liquid cooled current rectifier apparatus. 2,992,372, 7–11–61, Cl. 317—234.

Himes, Richard C.: *See*—
Miller, James F., and Himes. 2,978,661.

Himick, Afton A., R. J. Billinghurst, and A. A. Haddock, to Industrial Cable & Sling Co. Wire cable sling and method of fabricating same. 2,967,391, 1–10–61, Cl. 57—142.

Himka, John, to General Motors Corp. Window regulator. 2,969,977, 1–31–61, Cl. 268—124.

Himka, John, to General Motors Corp. Adjustable easy entrance seat for automobiles. 2,974,998, 3–14–61, Cl. 296—65.

Himler, Gary J.: *See*—
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Himler, Gary J., and O. C. Mitchell, to North American Aviation, Inc. High gain time discriminator. 2,972,113, 2–14–61, Cl. 328—109.

Himmel, Leon, to International Telephone and Telegraph Corp. Direction finding systems. 2,975,418, 3–14–61, Cl. 343—118.

Himmelbauer, Viktor. Divided visual direction indicator for motor vehicles for an independent indication in front and at the rear. 3,014,201, 12–19–61, Cl. 340—81.

Himmelfarb, David, and W. J. Kaes. Plied cord rope construction. 2,971,321, 2–14–61, Cl. 57—139.

Himmelhan, Emil: *See*—
Schenk, Walter, and Himmelhan. 3,010,802.

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Phillips, David B. 2,967,036.

Hinchcliffe, Theodore H. Conveyor belt cleats. 2,987,169, 6–6–61, Cl. 198—199.

Hinchman, Alva K. Motion picture film winder and editor. 3,002,703, 10–3–61, Cl. 242—55.12.

Hinckley, Gardner I., to The Grand Union Co. Roller assembly. 2,982,387, 5–2–61, Cl. 193—35.

Hinckley, Garfield L., to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Electrical computing devices. 2,986,728, 5–30–61, Cl. 343—5.

Hinckley, John D. Earth anchor. 2,999,572, 9–12–61, Cl. 189—91.

Hind, John D., and F. H. Crayton, to Morris Phillip, Inc. Organoleptic materials and method of production thereof. 2,995,476, 8–8–61, Cl. 131—17.

Hindel, Robert, to Baird-Atomic, Inc. Measuring apparatus for counting rate ratios. 2,977,536, 3–28–61, Cl. 324—79.

Hinden, Milton. Vane runner fitting for ducts and the like. 2,972,358, 2–21–61, Cl. 138—39.

Hinderaker, Philip D. Safety device for bucket elevators. 3,005,540, 10–24–61, Cl. 198—232.

Hinderer, Gottlob, and J. K. Lyon, to Price-Pfister Brass Mfg. Co. Single-handled valve. 2,977,986, 4–4–61, Cl. 137—125.17.

Hindermann, Peter: *See*—
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Hindley, Nathan C., to Hoffmann-La Roche Inc. Process for racemizing L 1-(p-methoxy-benzyl)-2-methyl-1,2,3,4,5,6,7,8-octahydro-isoquinoline. 2,974,145, 3–7–61, Cl. 260—289.

Hindmarch, Thomas. Locking device for propeller blades. 2,981,338, 4–25–61, Cl. 170—160.6.

Hindmarch, Thomas. Fluid pressure-operated clutches with metal to metal friction surfaces. 2,983,351, 5–9–61, Cl. 192—86.

Hindmarch, Thomas. Reversing transmission assemblages. 3,003,606, 10–10–61, Cl. 192—4.

Hinds, George P., Jr., to Shell Oil Co. Regeneration of finely divided catalysts. 2,994,666, 8–1–61, Cl. 252—417.

Hine, James S., ½ to Rutherford and Stanton Ltd., and ½ to The Standard Motor Co. Ltd. Packing case for a motor vehicle. 3,012,688, 12–12–61, Cl. 217—36.

Hine, John M., and J. F. Miller, to The Borden Co. Phenol-aldehyde condensation process. 2,988,536, 6–13–61, Cl. 260—57.

Hines, Albert O., and D. E. Bowman. Automatic work marking means for predetermined torque release wrench. 3,009,371, 11–21–61, Cl. 81—53.

Hines, Claude M., to Westinghouse Air Brake Co. Control apparatus for dual compressors. 2,970,744, 2–7–61, Cl. 230—2.

Hines, Claude M., to Westinghouse Air Brake Co. Stuck-brake signalling apparatus whereby stuck-brake condition produces a simulated fault in brake control circuit. 2,986,629, 5–30–61, Cl. 246—169.

Hines, Eugene W. Lock mechanism. 2,972,263, 2–21–61, Cl. 74—531.

Hines Flask Co., The: *See*—
Hines, Russell J. 2,970,349.

Hines, Harry E., to Consolidated Paper Co. Container manufacturing. 2,995,755, 8–15–61, Cl. 1—97.

Hines, Harry E., to Consolidated Paper Co. Collapsible container. 2,996,237, 8–15–61, Cl. 229—49.

Hines, John D., to The Cooper-Bessemer Corp. Internal combustion engine. 2,980,088, 4–18–61, Cl. 123—65.

Hines, Lloyd Q. Peanut harvester. 2,997,114, 8–22–61, Cl. 171—116.

Hines, Marion E., and G. Raisbeck, to Bell Telephone Laboratories, Inc. Multicoaxial line cables. 2,997,519, 8–22–61, Cl. 174—28.

Hines, Paisley T. Miniature golf game apparatus. 2,995,372, 8–8–61, Cl. 273—87.

Hines, Russell J., to The Hines Flask Co. Method and apparatus for molding. 2,970,349, 2–7–61, Cl. 22—33.

Hines, Thomas F., and W. L. Wells; said Wells assor. to said Hines. Dispensing and controlling machine. 3,005,532, 10–24–61, Cl. 194—71.

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Santelmann, William F., Jr., and Hingston. 3,015,080.

Hinkamp, James B.: *See*—
Irish, Glenn E., Hinkamp, and Martleson. 3,014,061.
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Hinkel, Karl W.: *See*—
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Kirshenbaum, Isidor, and Hinlicky. 2,970,892.

Hinlicky, John A., to Esso Research and Engineering Co. Preparation of alumina. 2,970,891, 2–7–61, Cl. 23—143.

Hinlicky, John A., and F. H. Kant, to Esso Research and Engineering Co. Hydroforming catalyst. 2,973,330, 2–28–61, Cl. 252—466.

Hinman, Burton L., to Uarco, Inc. Mechanism for deleaving carbon strips. 2,975,989, 3–21–61, Cl. 242—56.5.

Hinman, Dorr J.: *See*—
Cassady, Gerald H., and Hinman. 2,990,002.

Hinman, Jack W.: *See*—
Caron, Edgar L., Johnson, Hinman, and Hoeksema. 2,983,723.

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Hinrichs, Karl, and J. V. White, to Beckman Instruments, Inc. Digitally operable potential divider. 3,011,132, 11–28–61, Cl. 330—106.

Hinsey, Robert S., to Bingham-Herbrand Corp. Mechanism control. 2,976,744, 3–28–61, Cl. 74—531.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,978,925, 4–11–61, Cl. 74—529.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,978,926, 4–11–61, Cl. 74—534.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,995,047, 8–8–61, Cl. 74—512.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 3,003,364, 10–10–61, Cl. 74—534.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 3,008,345, 11–14–61, Cl. 74—529.

Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 3,011,361, 12–5–61, Cl. 74—529.

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Hinson, Jay B. Extinguishers. 2,969,069, 1–24–61, Cl. 131—256.

Hinson, Jay B. Phosphors. 3,005,103, 10–17–61, Cl. 250—80.

Hintermeister & Co.: *See*—
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Hinton, Champ C. Minnow bucket with aerating means. 2,998,671, 9–5–61, Cl. 43—57.

Hinton, Curtis V., to United States of America, Navy. Passive automatic tracking device. 2,970,187, 1–31–61, Cl. 178—6.8.

Hinton, Curtis V., to United States of America, Navy. Variable voltage multiplier. 3,009,641, 11–21–61, Cl. 235—195.

Hinton, Raymond C. P., B. Dzula, and A. L. M. Fettweis, to International Telephone and Telegraph Corp. Recording system. 3,013,253, 12–12–61, Cl. 340—174.1.

Hinz, Donald I., to Minneapolis-Honeywell Regulator Co. Servo system for coupling shafts. 2,994,021, 7–25–61, Cl. 318—29.

Hinz, Walter E. Heat treating furnace. 3,009,689, 11–21–61, Cl. 263—7.

Hinze, Otto. Formwork girders. 3,008,556, 11–14–61, Cl. 189—37.

Hipp, William J., to Webster Electric Co. Dual volume flow divider. 2,995,141, 8–8–61, Cl. 137—101.

Hippe, Werner, A. Watzl, and W. Hagen, to Vereinigte Glanzstoff-Fabriken A.G. Continuous process for production of a polyethylene terephthalate condensate. 2,973,341, 2-28-61, Cl. 260—75.
Hi-Press Air Conditioning of America, Inc.: *See*—
Kristiansen, Svend H. 2,974,745.
Kristiansen, Svend H. 3,005,397.
Hirashiki, James. Foldable traverse curtain and construction units therefor. 2,976,923, 3-28-61, Cl. 160—229.
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Hirs, Gene. Filter apparatus. 2,969,148, 1-24-61, Cl. 210—108.
Hirs, Gene. Filter apparatus. 2,982,412, 5-2-61, Cl. 210—108.
Hirsch, Abraham A. Attachable change gear finding scale for water meter testing. 3,005,333, 10-24-61, Cl. 73—3.
Hirsch, Albert, to United States of America, Atomic Energy Commission. Linear selsyn or syncro-transmitter. 2,988,697, 6-13-61, Cl. 324—86.
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Hirsch, Charles J., to Hazeltine Research, Inc. Electronic previewer for photographic processes. 2,977,407, 3-28-61, Cl. 178—5.2.
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Hirsch, Charles J., to Hazeltine Research, Inc. Automatic-gain-control system. 3,002,090, 9-26-61, Cl. 250—20.
Hirsch, Charles K. Pipe coupling for sanitary pipe lines. 2,985,470, 5-23-61, Cl. 285—332.5.
Hirsch, David S., to Welbilt Corp. Kitchen range oven rack. 3,012,554, 12-12-61, Cl. 126—338.
Hirsch, Fred, to Malsbary Mfg. Co. Spray gun. 2,981,484, 4-25-61, Cl. 239—530.
Hirsch, George B., to Brown & Sharpe Mfg. Co. Milling machine knee with drive shaft and screw in saddle. 2,972,936, 2-28-61, Cl. 90—21.
Hirsch, Herman A. Trouser rack. 2,975,907, 3-21-61, Cl. 211—96.
Hirsch, Joseph. Apparatus and method for communication through the sense of touch. 2,972,140, 2-14-61, Cl. 340—407.
Hirsch, Joseph. Gyro rotor caging device. 2,996,921, 8-22-61, Cl. 74—5.1.
Hirsch, Julius A., and L. Small, to Cutter Cravat, Inc. Display hanger for necktie. 2,994,462, 8-1-61, Cl. 223—85.
Hirsch, Mahlon E., and R. J. Lohr, to Louis Marx & Co., Inc. Toy cap revolver with hollow bullet supports. 2,983,064, 5-9-61, Cl. 42—58.
Hirsch, Max. Three dimensional display apparatus. 2,967,905, 1-10-61, Cl. 178—6.5.
Hirsch, Max. Three dimensional display apparatus. 2,979,561, 4-11-61, Cl. 178—6.5.
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Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 3,002,568.
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Hirsch, Richard A., and L. V. McNamara, to General Motors Corp. Control mechanism for variable pitch propellers. 2,969,683, 1-31-61, Cl. 74—89.
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Hirsch, Siefried. Hydrocyclone for fibres suspension. 2,975,896, 3-21-61, Cl. 209—211.
Hirsch, Sylvan R., to Worthington Corp. Unloading means for reciprocating compressor. 2,973,132, 2-28-61, Cl. 230—30.
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McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,996,499.
McCormick, Jerry R. D., Sjolander, and Hirsch. 2,998,352.
Hirschberg, Rudolf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Method of controlling the continuous production of chlorine dioxide. 2,969,276, 1-24-61, Cl. 23—152.
Hirschboeck, Stephen L. Gripping mechanism for a lifting fork. 2,983,397, 5-9-61, Cl. 214—655.
Hirschhorn, Isidor S., to Ronson Metals Corp. Abrasion testing apparatus. 2,969,669, 1-31-61, Cl. 73—7.
Hirschmann, Jack B. Welding goggle. 2,981,957, 5-2-61, Cl. 2—14.
Hirschmann, Jack B., Jr. Goggle. 2,979,729, 4-18-61, Cl. 2—14.
Hirschowitz, Basil I., 33⅓% to C. W. Peters, and 33⅓% to L. E. Curtiss. Flexible light transmitting tube. 3,010,357, 11-28-61, Cl. 88—1.
Hirsh, S. A., Mfg. Co.: *See*—
Handler, Milton E., and Bellon. 2,982,423.
Hirshfeld, Julian J., and L. T. Jenkins, to The Chemstrand Corp. Production of vinyl polymers containing a naphthol coupling component. 3,011,860, 12-5-61, Cl. 18—54.
Hirshstein, Joseph, to R. R. Newman. Apparatus for the separation of greases, oils and aqueous emulsions thereof. 2,982,414, 5-2-61, Cl. 210—149.
Hirst, Donald A. Wire package and reel. 3,000,493, 9-19-61, Cl. 206—52.
Hirst, Donald A. Wire package. 3,001,642, 9-26-61, Cl. 206—52.
Hirst, Peter D., and S. E. Williams, to International Computers and Tabulators Ltd. Card and sheet feeding apparatus. 3,010,716, 11-28-61, Cl. 271—44.
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Hiruma, Kenji, to Riken Kogaku Kogyo Kabushiki Kaisha. Photographic camera equipped with an exposure meter. 3,010,374, 11-28-61, Cl. 95—10.
Hirvonen, Eric J., to Leland-Gifford Co. Valve for control of advance and return of a piston under hydraulic power. 2,970,576, 2-7-61, Cl. 121—45.
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Hirzel, Edgar A., to The Goodyear Tire & Rubber Co. Anti-skid apparatus using strain gauge detectors. 2,992,860, 7-18-61, Cl. 303—24.
Hischmann, Rudolf, to Firma Gebrueder Hischmann, Maschinenfabrik. Method of and apparatus for the drying of goods to be ground in a grinding and sifting apparatus. 3,013,734, 12-19-61, Cl. 241—17.
Hiscock, George H., and W. E. D. Vivian, to Bristol Siddeley Engines Ltd. Engine accessory mounting arrangements. 2,978,869, 4-11-61, Cl. 60—39.33.
Hiscock, Grace S. Dress form structure. 2,985,345, 5-23-61, Cl. 223—68.
Hiserman, Arnold J.: *See*—
Usher, George H., and Hiserman. 3,006,644.
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Hiskey, Clarence F., to Transition Metals & Chemicals, Inc. Process for the removal of tin oxide from minerals. 2,982,609, 5-2-61, Cl. 23—98.
Hiskey, Clarence F., to Transition Metals & Chemicals, Inc. Removal of tin oxide from ores. 2,982,610, 5-2-61, Cl. 23—98.
Hiskey, Clarence F., and J. A. Lamovreux, to Transition Metals & Chemicals, Inc. Crucible for reacting materials to form molten liquids of different densities and provided with means for decanting such liquids separately. 2,982,535, 5-2-61, Cl. 266—39.
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Ishioka, Shozo, Matsumoto, and Akeyama. 3,001,455.
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Hitchcock, Eugene B. Can packaging method and machine. 2,972,842, 2-28-61, Cl. 53—55.
Hitchcock, Eugene B. Can divider. 2,980,230, 4-18-61, Cl. 198—31.
Hitchcock, Richard W., to United Shoe Machinery Corp. Machines for roughing outsoles. 2,994,893, 8-8-61, Cl. 12—17.
Hitchings, George H., and B. Roth, to Burroughs Wellcome & Co. (U.S.A.) Inc. Novel 5-dihydro-triazine and method. 2,977,361, 3-28-61, Cl. 260—249.9.
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Hitov, Joseph J., to Crown Cork & Seal Co., Inc. Sealing construction. 2,982,436, 5-2-61, Cl. 220—24.
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Hitt, Jonnie L. Package for sterile hypodermic needles. 2,990,059, 6-27-61, Cl. 206—63.2.
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Hitz, Gifford L. Method of joining metal by high pressure controlled temperature diffusion welding. 2,998,646, 9-5-61, Cl. 29—470.
Hitz, Gifford L. Apparatus and process for bending sections of tubing. 2,998,836, 9-5-61, Cl. 153—32.
Hitzelberger, Erwin, to Daimler-Benz Aktiengesellschaft. Window actuating mechanism. 3,014,716, 12-26-61, Cl. 268—128.
Hitzman, Donald O., and R. P. Schneider, to Phillips Petroleum Co. Microbiological corrosion protection by germicidal zone and protective coating. 2,979,337, 4-11-61, Cl. 21—2.5.
Hix, Antonin, to Tesla, narodni podnik. Tacitron. 2,975,319, 3-14-61, Cl. 313—186.
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Hladik, Joseph A., to American Machine & Foundry Co. Drilling fixture for spherical objects. 2,973,674, 3-7-61, Cl. 77—63.
Hlavin, William S., to Transformer Engineering Corp. Electromagnetic device. 2,984,771, 5-16-61, Cl. 317—157.5.

Hlavka, Joseph. Post hole auger structure. 2,995,197, 8–8–61, Cl. 175—220.

Hlinsky, Emil J., and R. C. Lundquist, to Goodman Mfg. Co. Rotary mining head and core breaker therefor. 3,010,708, 11–28–61, Cl. 262—9.

Hlobil, Frank, and H. Schwabe, to Herman Schwabe, Inc. Shoe machine. 3,000,024, 9–19–61, Cl. 12—8.3.

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Hnilicka, Milo P., Jr., to National Steel Corp. Vacuum coating apparatus. 3,000,346, 9–19–61, Cl. 118—49.

Hnilicka, Milo P., Jr., to National Research Corp. Production of metals from their halides. 3,013,877, 12–19–61, Cl. 75—84.5.

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Di Marco, William A., and Hoag. 2,969,544.

Hoag, Lowell E. Corrugated pallet. 3,006,590, 10–31–61, Cl. 248—120.

Hoag, Roderick W. Apparatus for packaging rubber bands. 3,001,849, 9–26–61, Cl. 53—197.

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Hoagland, Daniel A. Fluid actuated drill. 3,012,618, 12–12–61, Cl. 175—107.

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Hoaglin, Raymond I., A. E. Montagna, and D. G. Kubler, to Union Carbide Corp. Ethers of cyclohexene. 2,982,787, 5–2–61, Cl. 260—611.

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Meeker, David A., and Hartley. 3,014,515.

Hobbins, James F. Article coiling method and apparatus. 2,971,300, 2–14–61, Cl. 53—24.

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Hobbs, Kenneth C., to Corn Products Co. Preparation of oxidized hydroxyalkyl starch. 2,999,090, 9–5–61, Cl. 260—233.3.

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Hobbs, Robert W. Fastener head the underlying surface of which has means to smooth the workpiece surface. 2,982,166, 5–2–61, Cl. 85—41.

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Hobbs, Vernon H., to Thermair Domestic Appliances Ltd. Centrifugal clothes driers. 2,974,423, 3–14–61, Cl. 34—58.

Hobbs, William, Jr., to Sperry Rand Corp. Mounting means. 3,014,538, 12–26–61, Cl. 172—273.

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Hoberman, Max, to Bergen Laboratories Inc. Automatic range selector. 3,005,156, 10–17–61, Cl. 324—115.

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Porter, Allan W. H. 2,995,022.
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Porter, Allan W. H. 3,007,326.

Hobrock, Raymond H., to Bundy Tubing Co. Method and apparatus for coating a tube interior. 3,007,810, 11–7–61, Cl. 117—96.

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Hoch, Leslie. Rotary tray attachment for folding chairs. 2,994,366, 8–1–61, Cl. 248—230.

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Hoch, Paul E., and P. Robitschek, to The Hooker Chemical Corp. Elastomeric permselective membranes. 2,978,401, 4–4–61, Cl. 204—296.

Hoch, Paul E., and P. Robitschek, to Hooker Chemical Corp. Permselective membranes. 2,978,402, 4–4–61, Cl. 204—301.

Hochberg, Jerome, to E. I. du Pont de Nemours, and Co. Molded fluorocarbon polymer product and method of preparing same. 2,997,448, 8–22–61, Cl. 260—2.5.

Hochberg, Melvin, C. M. Ely, and H. W. Klein, to Nopco Chemical Co. Poultry feed. 2,974,043, 3–7–61, Cl. 99—4.

Hochman, Julius C. Lid-operated actuator mechanism for controlling the lift and return of drop-head machines and machines incorporating the same. 2,977,170, 3–28–61, Cl. 312—26.

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Hochner, Walter L., and A. L. Scarbrough, to National Lead Co. Cellulose treatment and product. 2,981,589, 4–25–61, Cl. 8—116.2.

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Hock, Heinrich, and H. Kropf, to Ruhrchemie Aktiengesellschaft. Production of aromatically substituted carbinols. 3,009,963, 11–21–61, Cl. 260—610.

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Hockel, Hans L., to Motoren-Werke Mannheim A.G. vorm. Benz Abt. Stat. Motorenbau. Air-cooled internal combustion engines. 2,985,155, 5–23–61, Cl. 123—41.69.

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McLean, Robert E. 2,984,904.
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Hocks, William J. and M. E. Camping body for pick-up trucks. 2,984,515, 5–16–61, Cl. 296—23.

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Hodge, Fred F. Flow rate indicator. 2,991,651, 7–11–61, Cl. 73—210.
Hodge, James, to Power Jets (Research & Development) Ltd. Regenerative heat exchangers. 2,987,885, 6–13–61, Cl. 60—39.51.
Hodge, John E., and B. F. Moy, to United States of America, Agriculture. Glucose-amine sequestrants. 2,996,449, 8–15–61, Cl. 210—58.
Hodge, Walter D., and J. F. Witherspoon, to Target Machines, Inc. Magazine for target throwing machines. 2,989,045, 6–20–61, Cl. 124—47.
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Hodges, Emmett E., to North Electric Co. Automatic telephone system. 3,012,102, 12–5–61, Cl. 179—86.
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Hodges, Harry D. Drivers sighting guide. 3,013,522, 12–19–61, Cl. 116—28.
Hodges, Howard T., to Eastman Kodak Co. Temperature control system for a photographic copying apparatus. 2,987,602, 6–6–61, Cl. 219—20.
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Williams, Beverly E. 2,999,020.
Williams, Beverly E. 3,006,768.
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Hodgson, Samuel K., to United States of America, Navy. Nut and retainer for workpieces with non-parallel faces. 3,008,554, 11–14–61, Cl. 189—36.
Hodkin, David, to Engineering Research and Application Ltd. Suspension means for the rear wheels of motor-vehicles. 2,989,133, 6–20–61, Cl. 180—73.
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Hoefer, Karl E. Throat plates for textile machines. 2,967,412, 1–10–61, Cl. 66—125.
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Hoese, Robert H. Sales promotional cards. 2,999,698, 9–12–61, Cl 283—6.

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Hoestermann, Karl-Ernst, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for automatically regulating side-tone damping of telephone stations. 2,985,722, 5–23–61, Cl. 179—81.

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Hoff, James L.: *See*—
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Hoff, John E., to R. F., J. E., and H. F. Hoff, d.b.a. Hoff Bros. Clothes line pins. 3,013,654, 12–19–61, Cl. 206—56.

Hoff, John M., to The Tappan Co. Valving means. 2,990,154, 6–27–61, Cl. 251—7.

Hoff, Melvern C.: *See*—
Field, Edmund, Hoff, and Resnick. 3,010,948.

Hoff, Richard L.: *See*—
Bounds, Ardrey M., and Hoff. 2,975,050.

Hoff, Robert F.: *See*—
Hoff, John E. 3,013,654.

Hoff, Rodney G.: *See*—
Huston, Norman E., Hoff, and Wheelock. 2,987,455.

Hoff, Wilbur L.: *See*—
Fitzgerald, Thomas C., and Hoff. 2,989,943.

Hoff, Wilbur L., to Western Electric Co., Inc. Color coding apparatus. Re. 24,923, 1–17–61, Cl. 118—314.

Hoffacker, Theodore, Jr., and W. O. Hammer, to Fairchild Engine and Airplane Corp. Static line retriever. 2,994,497, 8–1–61, Cl. 244—149.

Hoffecker, Beecher I. Portable rotary golf ball cleaner. 3,006,009, 10–31–61, Cl. 15—97.

Hoffenberg, David S., to American Cyanamid Co. Preparation of halogenated alkyl-vinyl aromatic compounds. 2,981,758, 4–25–61, Cl. 260—651.

Hoffer, James F., to General Metals Corp. Gear motor or pump. 2,969,744, 1–31–61, Cl. 103—126.

Hoffler, Alfred J.: *See*—
Sawyer, Preston, Hoffler, Dewey, and Clarke. 3,012,518.

Höfflin, Otto, to Lever Brothers Co. Telescopic compensating unit. 2,991,971, 7–11–61, Cl. 251—58.

Hoffman, Alfred R., to Ekco Products Co. Swing-out cabinet shelf hardware assembly. 3,008,680, 11–14–61, Cl. 248—243.

Hoffman, Carl C. Apparatus for quickly cleaning folded filter elements of dry type air filters. 3,004,276, 10–17–61, Cl. 15—306.

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Hoffman, Charles H., and D. L. Davies, to Koppers Co., Inc. Resin impregnated wood filter press plates and frames therefor. 2,998,140, 8–29–61, Cl. 210—231.

Hoffman, Edward A. Transformer mount. 2,996,277, 8–15–61, Cl. 248—221.

Hoffman Electronics Corp.: *See*—
Geer, Charles W. 2,999,943.
Geer, Charles W., and Jacquish. 2,993,125.
Jacobsen, Lance R. 2,997,674.
Matlow, Sheldon L. and Ralph. 2,984,775.
McCoy, Marcus A. 2,994,766.
McCoy, Marcus A. 2,994,835.
Quirk, Robert W. 2,967,249.
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Wolf, Martin. 2,989,941.

Hoffman Engineering Corp.: *See*—
Burley, Ronald R. 3,003,794.

Hoffman, Francis A.: *See*—
Miles, Thomas D., Hoffman, and Delasanta. 2,993,746.

Hoffman, Frank A., Jr., to Republic Steel Corp. Structural building elements. 2,990,920, 7–4–61, Cl. 189—34.

Hoffman, Frank D., Jr., to General Steel Products Co., Inc. Reclining chair with adjustable ottoman bracket. 2,968,339, 1–17–61, Cl. 155—106.

Hoffman, Frederick C., and W. Schroeder, to Lockhead Aircraft Corp. Device for forming sheet material. 2,966,873, 1–3–61, Cl. 113—44.

Hoffman, Frederick C., and R. B. Scott, to Lockheed Aircraft Corp. Method and apparatus for stretch shaping panels. 2,980,156, 4–18–61, Cl. 153—2.

Hoffman, George R.: *See*—
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Kilburn, Tom, Hoffman, and Maclean. 2,978,592.

Hoffman, George R., and M. A. Maclean, to International Business Machines Corp. Electromagnetic storage and switching arrangements. 2,991,457, 7–4–61, Cl. 340—174.

Hoffman, Herbert E. Scouring implement. 2,996,850, 8–22–61, Cl. 51—185.

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Hoffman, Howard D., and H. L. Richardson, to Curtiss-Wright Corp. Manual or air speed fuel control for a jet engine. 2,974,479, 3–14–61, Cl. 60—35.6.

Hoffman, Lester J., and W. J. Frederick, to Westinghouse Electric Corp. Control apparatus. 2,977,560, 3–28–61, Cl. 338—67.

Hoffman, Lewis C.: *See*—
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Hoffman, Lewis C., to E. I. du Pont de Nemours and Co. Electroluminescent vitreous enamel. 2,986,530, 5–30–61, Cl. 252—301.6.

Hoffman, Manfred T. Method for manufacturing non-woven pile fabrics. 3,010,180, 11–28–61, Cl. 28—72.2.

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Hoffman, Maurice F.: *See*—
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Hoffman, Olin M., to The B. F. Goodrich Co. Electrically heated ice-removal apparatus. 2,992,317, 7–11–61, Cl. 219—46.

Hoffman, Paul F., to Monsanto Chemical Co. Agricultural process. 2,989,963, 6–27–61, Cl. 131—144.

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Hoffman, Robert K., and R. J. Calvert, to Acme Precision Products, Inc. Aircraft decelerating apparatus. 2,987,278, 6–6–61, Cl. 244—110.

Hoffman, Robert L., to Western Machinery Co. Basket screens and improved mounting attachments therefor. 2,975,900, 3–21–61, Cl. 209—403.

Hoffman, Robert M., to E. I. du Pont de Nemours and Co. Anchoring means. 2,976,875, 3–28–61, Cl. 135—1.

Hoffman, Roscoe C. Independent suspension for steerable wheels and method of construction thereof. 2,998,262, 8–29–61, Cl. 280—96.1.

Hoffman, Roscoe C. Joint structures and jointed suspension means. 3,007,728, 11–7–61, Cl. 287—90.

Hoffman, Roy D. Animal cot with electrically heated pad. 2,980,058, 4–18–61, Cl. 119—1.

Hoffman, Stanley G., and F. C. Van Ess, to Hat Corp. of America. Method of making two-tone hats. 2,971,682, 2–14–61, Cl. 223—7.

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Hoffman, Walter, to Projecting AB. Centrifugal apparatus for separating solids. Re. 25,099, 12–19–61, Cl. 209—144.

Hoffman, William O. Concrete dome roof form support. 2,995,798, 8–15–61, Cl. 25—131.

Hoffmann, Arnulf, W. Keller, K. Reuschel, and T. Rummel, to Siemens-Schuckertwerke Aktiengesellschaft. Method of producing a rod of low-ohmic semiconductor material. 2,970,111, 1–31–61, Cl. 252—62.3.

Hoffmann, Arnulf, and W. Hartel, to Siemens-Schuckertwerke Aktiengesellschaft. Encapsuled photoelectric semiconductor device. 2,999,940, 9–12–61, Cl. 250—211.

Hoffmann, August. Damage-proof journalling of bearings for rapidly rotating shafts. 2,967,739, 1–10–61, Cl. 308—1.

Hoffmann, Charles: *See*—
Allais, Andre, and Hoffmann. 3,006,928.

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Weidner, Karl B., and Jaenicke. 3,003,239.

Hoffmann, Ernest: *See*—
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Hoffmann, Gerhart, to Chemische Werke Witten. Method for the purification of tetrachlorophthalic acid and the anhydride thereof. 3,007,943, 11–7–61, Cl. 260—346.3.

Hoffmann, Harrison A., W. A. Hardwick, and R. D. Seeley, to Anheuser-Busch, Inc. Microbial synthesis of physiologically active vitamin B-12 substances using precursors. 3,013,948, 12–19–61, Cl. 195—114.

Hoffmann, Joseph L. Adjustable form. 2,995,797, 8–15–61, Cl. 25—18.

Hoffmann, Karl: *See*—
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Hoffmann, Karl. Cam control for knitting machines. 2,970,461. 2–7–61, Cl. 66—155.

Hoffmann, Karl, A. Hunger, J. Kebrle, and A. Rossi, to Ciba Pharmaceutical Products Inc. New basically substituted benzyl-benzimidazoles. 2,980,690, 4–18–61, Cl. 260—309.2.

Hoffmann, Karl, A. Hunger, J. Kebrle, and A. Rossi, to Ciba Pharmaceutical Products Inc. Certain 1H [4,5-c]-imidazopyridines. 2,987,518, 6–6–61, Cl. 260—294.8.

Hoffmann, Karl, and J. Heer, to Ciba Pharmaceutical Products Inc. Process for the manufacture of secondary diphenyl-piperidyl-carbinols. 3,000,896, 9–19–61, Cl. 260—294.7.

Hoffmann, Karl, A. Hunger, J. Kebrle, and A. Rossi, to Ciba Pharmaceutical Products Inc. New benzimidazoles. 3,000,898, 9–19–61, Cl. 260—309.2.

Hoffmann, Karl, and J. Kebrle, to Ciba Pharmaceutical Products Inc. 1-R-2-amino-indoles. 3,000,899, 9-19-61, Cl. 260—319.

Hoffmann, Karl, A. Hunger, J. Kebrle, and A. Rossi, to Ciba Pharmaceutical Products Inc. New benzimidazoles. 3,004,982. 10-17-61, Cl. 260—309.2.

Hoffmann, Karl-Heinz, and G. Becker. Device for measuring the glass level in glass melting ovens. 2,977,797, 4-4-61, Cl. 73—304.

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Aeschlimann, John A., and Stempel. 2,969,391.
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Becher, Elisabeth, Bernhauer, and Wilharm. 2,976,221.
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Guex, Waldemar, Isler, Ruegg, and Ryser. 3,014,053.
Gutmann, Hugo, Straub, and Zeller. 2,970,159.
Hindley, Nathan C. 2,974,145.
Isler, Otto, Montavon, Rüegg, Saucy, Schwieter, and Lindlar. 2,970,174.
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Hoffmann, Otto, and A. Krynytzky, to Lake Erie Machinery Corp. Metal forming machine. 2,975,743, 3-21-61, Cl. 113—53.

Hoffmann, Otto H. Quiet door lock. 2,984,510, 5-16-61, Cl. 292—142.

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Hoffmann, Walter, to Aktiebolaget Separator. Dosing apparatus for liquids. 2,989,064, 6-20-61, Cl. 137—92.

Hoffmann, Walter W., to Durant Mfg. Co. Counter resetting means. 2,980,329, 4-18-61, Cl. 235—139.

Hoffmann, Walter W., to Durant Mfg. Co. Resettable counter wheel units. 2,996,241, 8-15-61, Cl. 235—1.

Hoffmann, William H., Jr. Combination beach barrow and chair. 2,967,058, 1-3-61, Cl. 280—30.

Hoffmeister, Erich, to Alois Kaltenbach and Erich Hoffmeister, partners of Kaltenbach & Voigt. Clamping devices for dental tools. 2,981,545, 4-25-61, Cl. 279—41.

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Hofgesang, William, to The Singer Mfg. Co. Holders for oilcans. 3,003,736, 10-10-61, Cl. 248—229.

Hofgesang, William, to The Singer Manufacturing Co. Concealed hinge for sewing machine cabinets. 3,008,178, 11-14-61, Cl. 16—190.

Höfler, Willy. Gear testing apparatus. 2,992,491, 7-18-61, Cl. 33—179.5.

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Hofmann, John E., to Esso Research and Engineering Co. Paraffin alkylation process. 3,000,993, 9-19-61, Cl. 260—683.57.

Hofmann, John E., and H. T. Brown, to Esso Research and Engineering Co. Combined isomerization and cracking process. 3,000,995, 9-19-61, Cl. 260—683.74.

Hofmann, Otto, to VEB Carl Zeiss Jena. Apparatus for determining small inclinations or the verticality of a casing by means of a pendulum. 3,014,283, 12-26-61, Cl. 33—215.

Hofmann, Ulrich, to Theodor Groz & Sohne & Ernst Beckert. Needle storage device. 3,004,660, 10-17-61, Cl. 206—66.

Hofmann, Viktor, to Siemens-Schuckertwerke Aktiengesellschaft. Transistor counting circuit having resistor and diode interstage coupling means. 3,005,917, 10-24-61, Cl. 307—88.5.

Hofmann, Wilfried, to Agfa Aktiengesellschaft. Depth-of-focus adjusting means. 3,014,416, 12-26-61, Cl. 95—45.

Hofmeister, Maurice H.: *See*—
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Hogan, Patrick J.: *See*—
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Hogg, John A., F. H. Lincoln, and W. P. Schneider, to The Upjohn Co. 2α-methyl-9α-fluoro-11β,17α-dihydroxy-4-pregnene-3,20-dione 17-acylates. 2,992,244, 7-11-61, Cl. 260—397.45.

Hogg, John A., F. H. Lincoln, and W. P. Schneider, to The Upjohn Co. 2α-methyl-9α-bromo-17α-hydroxy-4-pregnene-3,11,20-trione 17-acylates. 2,992,245, 7-11-61, Cl. 260—397.45.

Hogg, John A., and F. H. Lincoln, to The Upjohn Co. 2-methyl-1 dehydro hydrocortisone, 21-esters and 11-keto analogues thereof. 3,009,937, 11-21-61, Cl. 260—397.45.

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Hoglan, Forest A., and J. W. Sietsema, to International Minerals & Chemical Corp. Core binder additive. 2,988,453, 6-13-61, Cl. 106—38.5.

Hoglan, Forest A., and R. Kodras, to International Minerals & Chemicals Corp. Protein hydrolysis. 2,991,309, 7-4-61, Cl. 260—529.

Hogle, Donald H., to Westinghouse Electric Corp. Purification of cyanoethylcellulose resin. 2,972,609, 2-21-61, Cl. 260—232.

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Hohenadel, John J., A. Soffa, F. W. Kulicke, to Kulicke & Soffa Mfg. Co. Automatic case cleaning machine. 2,982,985, 5-9-61, Cl. 15—308.

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Hohenemser, Kurt H., to McDonnell Aircraft Corp. Horizontal tail control system for rotary wing aircraft. 2,980,364, 4-18-61, Cl. 244—17.11.

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Hohl, John, and G. L. Webster, to Owens-Illinois Glass Co. Container closing apparatus. 2,996,865, 8-22-61, Cl. 53—315.

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Hohmann, Frederick R., and H. E. Neely, Jr., to Pittsburgh Plate Glass Co. Method for flame seaming a glass sheet. 2,971,294, 2-14-61, Cl. 49—77.

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Hoiberg, Arnold J., and C. E. Cowger, to Monsanto Chemical Co. 2,973,280, 2–28–61, Cl. 106—281.

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Tuttle, John R., Feldbauer, and Hoke. 2,978,407.

Hoke, Ronald C., J. E. Idenden, and M. B. Glaser, to Esso Research and Engineering Co. Catalyst recovery in hydrocarbon reactions promoted with aluminum bromide. 2,987,-562, 6–6–61, Cl. 260—683.53.

Hokenson, Lynn. Carton handle. 3,001,688, 9–26–61, Cl. 229—52.

Hokett, William G. Magnetic holder for telephone hand set. 3,001,032, 9–19–61, Cl. 179—147.

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Holaday, Charles E., dedicated to the public. Apparatus for determining the moisture content of granular and fibrous materials. 2,975,361, 3–14–61, Cl. 324—65.

Holahan, Joseph M., Jr., to True Temper Corp. Fishing reel drag mechanism. 2,977,063, 3–28–61, Cl. 242—84.54.

Holahan, Joseph M., Jr., to True Temper Corp. Drag for fishing reels. 2,977,065, 3–28–61, Cl. 242—84.54.

Holahan, Joseph M., Jr., to True Temper Corp. Spool construction. 2,985,402, 5–23–61, Cl. 242—118.4.

Holahan, Joseph M., Jr., to True Temper Corp. Spinning reel. 3,006,573, 10–31–61, Cl. 242—84.2.

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Holben, Bernard C., to Industrial Nucleonics Corp. Article distribution system. 2,986,264, 5–30–61, Cl. 198—38.

Holben, Clair D. to Beech Aircraft Corp. Connector for joining pipelines having outer jacket insulation in continuously insulated relation. 2,980,448, 4–18–61, Cl. 285—47.

Holben, Eugene F., to Conoflow Corp. Actuator. 2,993,476, 7–25–61, Cl. 121—41.

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Holbrook, George W., to Canada, Her Majesty the Queen in the right of, as represented by the Minister of National Defense. Method of correcting non-linear distortion. 2,999,986, 9–12–61, Cl. 330—149.

Holbrook, George W., and O. W. Steward, to Dow Corning Corp. Fluorinated alkyl silanes and their use. 3,012,006, 12–5–61, Cl. 260—46.5.

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Holcomb, Doyle D. Spray nozzle assembly for use with aerosol can. 2,968,441, 1–17–61, Cl. 239—337.

Holcomb, Harry E., to Johns-Manville Corp. Method and apparatus for forming mineral wool. 2,991,499, 7–11–61, Cl. 18—2.6.

Holcombe, Robert C., to The Jeffrey Mfg. Co. Shuttle car with traction motor control. 2,974,267, 3–7–61, Cl. 318—224.

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Holden, Artemas F. Safety construction for luminous wall furnace. 3,008,513, 11–14–61, Cl. 158—7.

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Holden, Orloff W., to O. W. and M. H. Holden, d.b.a. Knickerbocker Rubber Co. Portable mirror. 2,968,995, 1–24–61, Cl. 88—97.

Holden, Paul C., and W. A. English, to United States of America, Air Force. Internal combustion engine apparatus. 2,974,489, 3–14–61, Cl. 60—39.74.

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Holdener, Simeon. Piston machine. 2,981,201, 4–25–61, Cl. 103—163.

Holder, Charles B., to Texaco Inc. Manufacture of secondary butylbenzene hydroperoxide. 2,967,891, 1–10–61, Cl. 260—610.

Holder, John H. Contour marker adapter. 3,000,098, 9–19–61, Cl. 33—21.

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Holland, Leslie A., to Edwards High Vacuum Ltd. Ionic bombardment cleaning apparatus. 2,985,756, 5–23–61, Cl. 250—49.5.

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Holland, Raymond P., Jr. Anti-ingestion means for turbojet aircraft. 2,976,952, 3–28–61, Cl. 183—42.

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Hollenbeck, Clifford M., to Wisconsin Malting Co. Enzymatic feedstuffs. 2,988,449, 6–13–61, Cl. 99—4.

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Hollis, William S., and J. O. Mayer, to Power Jets (Research and Development) Ltd. Process for making turbine or compressor blades. 3,002,264, 10–3–61, Cl. 29—156.8.
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Holmes, Edward, Jr. Inverter for die shoe. 2,997,969, 8–29–61, Cl. 113—49.
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Holmes, Ernest, Co.: *See*—
Cline, Earl E. 2,995,225.
Holmes, Eugene C. Area measuring device. 2,975,521, 3–21–61, Cl. 33—75.
Holmes, Frank C., to The Baird Machine Co. Front mounted mower for riding tractor. 2,991,612, 7–11–61, Cl. 56—25.4.
Holmes, Jack H., to Food Machinery and Chemical Corp. Method of and apparatus for packing articles on trays. 2,968,899, 1–24–61, Cl. 53—35.
Holmes, John E.: *See*—
Wilkinson, Walter B. 3,001,306.
Holmes, Norman L., and P. B. Curtis, to Richard Hodgson & Sons Ltd. and The General Electric Co. Ltd. Leather. 3,006,177, 10–31–61, Cl. 69—21.
Holmes, Oscar J. Intermittent motion device for projectors. 2,968,966, 1–24–61, Cl. 74—426.
Holmes, Paul J., to Borg-Warner Corp. Plural axis transducer. 3,002,391, 10–3–61, Cl. 73—517.
Holmes, Paul J., to Borg-Warner Corp. Pressure responsive devices and systems therefor. 3,010,322, 11–28–61, Cl. 73—399.
Holmes, Peter D., J. C. Stalley, and J. A. E. Moy, to British Petroleum Co. Ltd. Dehydrogenation or dehydrocyclization of non-aromatic hydrocarbons. 2,972,644, 2–21–61, Cl. 260—673.5.
Holmes, Peter D., and J. C. Stalley, to The British Petroleum Co. Ltd. Production of aromatics and catalysts therefor. 2,987,560, 6–6–61, Cl. 260—673.5.
Holmes, Ralph A., and H. R. Wilson, to Western Electric Co., Inc. Pneumatic two-hand control for power machinery. 2,974,637, 3–14–61, Cl. 121—38.
Holmes, Richard R., and L. T. Jenkins, to The Chemstrand Corp. Composition containing acrylonitrile polymers and color inhibiting agents therefor and method of making. 2,982,753, 5–2–61, Cl. 260—32.6.
Holmes, Robert D. Butt end construction for fishing rod. 3,014,306, 12–26–61, Cl. 43—23.
Holmes, Robert J., to General Aniline & Film Corp. Inorganic papers and methods of making same. 3,005,745, 10–24–61, Cl. 162—152.
Holmes, Robert J., to General Aniline & Film Corp. Inorganic papers and methods of making same. 3,008,867, 11–14–61, Cl. 162—152.

Holmes, Tracy S. Aircraft landing gear. 2,970,792, 2–7–61, Cl. 244—50.
Holmes, Trent H., to United Aircraft Corp. Quick disconnect joint. 2,967,069, 1–3–61, Cl. 285—399.
Holmes, Warren. Collapsible boxes, crates and the like. 2,998,157, 8–29–61, Cl. 220—6.
Holmes, William R., J. G. Marshall, and A. E. Oates, to Laporte Chemicals Ltd. Hydrogen peroxide. 3,010,808, 11–28–61, Cl. 23—297.
Holmstrom, Ernest R.: *See*—
Marcus, Natalie S., Holmstrom, and Smith. 3,012,285.
Holmstrom, George M. Rim and cover combination for cartons. 2,987,238, 6–6–61, Cl. 229—43.
Holmstrom, Gosta R., and O. G. Klingstrom, to Aktiebolaget Addo. Shock absorbing mechanism for pin carriages. 2,985,363, 5–23–61, Cl. 235—60.
Holo-Flite International Inc.: *See*—
Christian, Joseph D. 3,005,357.
Holo-Krome Screw Corp., The: *See*—
Stifano, Vincent A., Jr. 2,995,033.
Holopainen, Vaino J., to Wain-Roy Corp. Swing system for digging attachment. 2,973,874, 3–7–61, Cl. 214—132.
Holopainen, Vaino J., to Wain-Roy Corp. Excavating apparatus. 3,003,651, 10–10–61, Cl. 214—138.
Holophane Co., Inc.: *See*—
Franck, Kurt. 2,977,460.
Holpuch, Clarence J., to Admiral Corp. Stepping switch. 2,990,723, 7–4–61, Cl. 74—142.
Holroyd, John, & Co. Ltd.: *See*—
Crossley, Jack. 2,997,741.
Holsapple, Harvey T., to Kemart Corp. Fluorescent article for use in the graphic arts and method of making same. 3,001,311, 9–26–61, Cl. 41—26.
Holscher, Harry H., to Owens-Illinois Glass Co. Glass shaping tools. 2,988,851, 6–20–61, Cl. 49—40.
Holsclaw, Charles H. Hand truck with lifting and lowering mechanism. 2,981,374, 4–25–61, Cl. 187—10.
Holsomback, Walter G.: *See*—
Creel, Johnnie E., and Holsomback. 3,012,360.
Holst, Anna D.: *See*—
Holst, Fred W. and A. D. Re. 25,083.
Holst, Fred W. and A. D. Saw sharpening apparatus. Re. 25,083, 11–14–61, Cl. 76—40.
Holstein, Alvin W., E. S. Marr, and J. T. Schuller, to National Vendors, Inc. Coin apparatus. 2,993,581, 7–25–61, Cl. 194—57.
Holstein, Alvin W., E. S. Marr, and L. A. Ficken, to National Vendors, Inc. Vending machine. 3,007,606, 11–7–61, Cl. 221—94.
Holstein, William H., Jr.: *See*—
Blake, Norman, Daendliker, and Holstein. 3,008,858.
Holt, Arthur R., to Armco Steel Corp. Composite pile connector. 3,003,323, 10–10–61, Cl. 61—53.
Holt, Charles R., and J. C. Davis. Warning device for indicating contact of a vehicle with another object. 3,012,225, 12–5–61, Cl. 340—61.
Holt, Clarence B. Apparatus and method for treating wells. 3,011,548, 12–5–61, Cl. 166—42.
Holt, Clarence P.: *See*—
Reddy, Cyril A., Holt, Shaffer, and Reinhardt. 3,012,376.
Holt, Deloris B.: *See*—
Lacy, Glenn B., and Holt. 2,970,700.
Holt, Hammond H., to Bri-Son Electronics, Inc. Multiple electrical outlet. 3,005,179, 10–17–61, Cl. 339—159.
Holt, James F., to International Telephone and Telegraph Corp. Self-powered radio transmitter. 3,002,087, 9–26–61, Cl. 250—17.
Holt, James W. Nipple chuck. 2,984,495, 5–16–61, Cl. 279—7.
Holt, Mark L., to Chattanooga Welding & Machine Co., Inc. Baling press. 2,995,999, 8–15–61, Cl. 100—232.
Holt, Norman H., and R. E. Erickson, to Telex, Inc. Spectacle hearing aid. 2,999,136, 9–5–61, Cl. 179—107.
Holt, Pliny G., to United States of America, Navy. Pilot's automatic dead reckoning equipment. 2,993,643, 7–25–61, Cl. 235—61.
Holt, Thomas E.: *See*—
Wilkins, Frederick J., and Holt. 2,989,525.
Holt, William J., Jr., to Varo Mfg. Co., Inc. Scanning devices and systems. 2,971,054, 2–7–61, Cl. 178—7.6.
Holt, William J., Jr., to Varo Mfg. Co., Inc. Tuning fork assembly including driving and pick-up coils. 2,971,104, 2–7–61, Cl. 310—17.
Holter Co., The: *See*—
Holter, John W., and Spitz. 2,969,066.
Holter, Dale E.: *See*—
McKnight, William B., Mangus, and Holter. 3,009,065.
Holter, John W., and E. B. Spitz, to The Holter Co. Device for draining ventricular fluid in cases of hydrocephalus. 2,969,066, 1–4–61, Cl. 128—350.
Holthaus, Gerardus L.: *See*—
Geldermans, Pieter, van den Ban, and Holthaus. 2,988,508.
Holtkamp, William E., Jr.: *See*—
Winterhalter, Alfred C., Holtkamp, and Blake. 2,991,447.
Holton, George: *See*—
Slayton, Albert, and Holton. 3,003,189.
Holton, Robert J., to Tinnerman Products, Inc. Fastening device. 2,995,772, 8–15–61, Cl. 16—140.
Holton, Robert J., to Tinnerman Products, Inc. Fastening device. 2,995,789, 8–15–61, Cl. 24—73.
Holton, Robert J., to Tinnerman Products, Inc. Fastening device. 2,995,790, 8–15–61, Cl. 24—73.
Holton, Robert J., to Tinnerman Products, Inc. Clip type cable fastening devices. 2,996,275, 8–15–61, Cl. 248—73.
Holtschmidt, Hans: *See*—
Gassen, Peter, Holtschmidt, Kunze, and Braun. 3,014,077.
Nischk, Gunther, Bayer, Holtschmidt, and Meckbach. 2,984,643.
Nischk, Günther, and Holtschmidt. 2,989,512.
Nischk, Gunther, Holtschmidt, and Eisenmann. 2,988,532.
Holtschmidt, Hans, to Farbenfabriken Bayer Aktiengesellschaft. Isocyanato substituted aryl phosphorus esters. 3,013,048, 12–12–61, Cl. 260—461.
Holtschmidt, Hans, E. Müller, and O. Bayer, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Production of polycondensation products. 2,999,082, 9–5–61, Cl. 260—79.
Holtschmidt, Hans, G. Nischk, and W. Kallert, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Polythioetherurethane casting and method of preparing same. 2,998,413, 8–29–61, Cl. 260—77.5.
Holtschmidt, Hans, O. Bayer, E. Müller, and G. Nischk, ½ to Farbenfabriken Bayer Aktiengesellschaft, and Mobay Chemical Co. Thioether condensation product and process. 3,005,803, 10–24–61, Cl. 260—79.
Holtschmidt, Hans, and H. Wilms, to Farbenfabriken Bayer Aktiengesellschaft. Amines. 3,013,049, 12–12–61, Cl. 260—461.
Holtsford, Ernest L. Means for securing insulating material about a duct. 2,973,016, 2–28–61, Cl. 138—64.
Holtz, Ernest F., to Pfaudler Permutit Inc. Container nozzle means and method for making the same. 3,010,601, 11–28–61, Cl. 220—64.
Holtzapple, Clyde N., to AMP Inc. Improved tool for making electrical connections. 3,009,503, 11–21–61, Cl. 153—1.
Holtzclaw, Grover B., to Parks-Cramer Co. Traveling suction cleaning apparatus. 3,011,202, 12–5–61, Cl. 15—312.
Holtzclaw, Grover B., to Parks-Cramer Co. Traveling cleaner with air supply cut-off. 3,011,203, 12–5–61, Cl. 15—312.
Holtzclaw, Grover B., to Parks-Cramer Co. Mobile reversing apparatus for a traveling cleaner. 3,011,204, 12–5–61, Cl. 15—312.
Holtzclaw, Grover B., to Parks-Cramer Co. Collection chamber for lint, dust and the like. 3,011,205, 12–5–61, Cl. 15—312.
Holtzclaw, Grover B., to Parks-Cramer Co. Stationary textile waste receptacle for traveling suction cleaner. 3,011,830, 12–5–61, Cl. 302—40.
Holtzclaw, Grover B., to Parks-Cramer Co. Method of cleaning floors in textile mills. 3,011,925, 12–5–61, Cl. 134—21.
Holtzclaw, Richard T. Bed frame apparatus. 2,973,525, 3–7–61, Cl. 5—181.
Holtzclaw, Richard T., and A. P. Thomasson. Bottle holder and opener. 2,996,938, 8–22–61, Cl. 81—3.1.
Holub, George M. Instrument for testing wheel alignment of automobiles. 2,972,189, 2–21–61, Cl. 33—46.
Holub Industries, Inc.: *See*—
Shaw, Orson A., Jr. 2,969,953.
Holwin Corp.: *See*—
Puetz, William J. 2,968,783.
Holysz, Roman P., to The Upjohn Co. Ortho-alkanoyloxybenzoates of N-phenylethyl-4-piperidinol. 3,014,913, 12–26–61, Cl. 260—294.3.
Holysz, Roman P., R. V. Heinzelman, D. A. Shepherd, and P. H. Seay, to The Upjohn Co. Cycloalkylamine salts of pyrimidine acetic acids. 2,987,516, 6–6–61, Cl. 260—256.4.
Holz, Dietrich, to VEB Werk fur Signal- und Sicherungstechnik Berlin. Switching circuit. 2,996,628, 8–15–61, Cl. 307—88.
Hölz, Otto. Vacuum operated liquid sprinklers. 2,993,649, 7–25–61, Cl. 239—232.
Holzbock, Werner G.: *See*—
Callender, Bernard L., Graffy, Holzbock, and Rockey. 2,981,273.
Holzboog, Walter H.: *See*—
Reinhart, Harold C., and Holzboog. 2,980,386.
Holzer, Johann: *See*—
Sourchene, Ernest E., Jr., and Holzer. 2,990,520.
Holzer, Walter. Time sequence switch. 2,979,579, 4–11–61, Cl. 200—37.
Holzinger, Franz: *See*—
Schmidt, Heinz, Reinshagen, Ziemer, and Holzinger. 2,984,078.
Holzl, Robert A., to Sundstrand Corp. Liquid monofuel and method of forming. 2,993,768, 7–25–61, Cl. 52—.5.
Holzman, Bernard S.: *See*—
Winston, Elwyn C., and Holzman. 2,977,601.
Holzman, George: *See*—
Shaw, Alfred W., and Holzman. 2,994,725.
Shaw, Alfred W., Holzman, and Bush. 3,006,976.
Holzman, George, and J. J. Madison, to Shell Oil Co. Alkylation process. 2,981,772, 4–25–61, Cl. 260—683.63.
Holzmann, Richard T.: *See*—
Frazer, Jack W., and Holzmann. 2,994,652.
Holzner, Adolf. Cyclometer, counter or the like. 2,985,998, 5–30–61, Cl. 58—125.
Holzschu, John: *See*—
Klein, Walter A., Mason, and Holzschu. 3,011,688.
Holzwarth, Henry A.: *See*—
Schladermundt, Peter, Holzwarth, and Wark. 2,976,916.
Holzwarth, Herbert, and W. Arens, to Siemens & Halske Aktiengesellschaft. Apparatus for simultaneously transmitting a plurality of messages. 2,978,544, 4–4–61, Cl. 179—15.

Holzwarth, James C.: *See*—
Greene, Joseph L., and Holzwarth. 2,970,065.
Hanink, Dean K., and Holzwarth. 3,010,198.

Holzworth, Lauriene T.: *See*—
Stearne, Willard F., and Bright. 3,000,011.

Homan, Jan D. H., and L. P. Ederzeel, to Organon Inc. Process for the manufacture of adrenocorticotropic hormone preparations by carboxymethyl-cellulose chromatography. 2,985,560, 5–23–61, Cl. 167—74.

Homan, Paul J., to Koppers Co., Inc. Combined continuous sintering and cooler machine. 2,986,307, 6–6–61, Cl. 266—21.

Homburg, Edwin P.: *See*—
Alexeff, Alexander V., Homburg, and Richards. 2,994,133.

Homburger, Freddy. Mount. 2,984,341, 5–16–61, Cl. 206—56.

Homer, Horace H., to Sylvania Electric Products Inc. Method of halophosphate phosphor manufacture. 3,002,933, 10–3–61, Cl. 252—301.4.

Homer, Ronald F.: *See*—
Brian, Robert C., Driver, Homer, and Jones. 2,972,528.

Homer, Willard J.: *See*—
Vassiliades, Sophocles J., and Homer. 2,977,647.

Homestead Valve Mfg. Co.: *See*—
Norris, Scott A., Jr., and Simmons. 2,983,450.

Homeyer, Arthur C., and F. C. Kramer, said Kramer assor. to said Homeyer. Fluid control devices. 3,003,519, 10–10–61, Cl. 137—454.6.

Homeyer, Henry N., and J. J. McCarthy, to Connecticut Hard Rubber Co. Chemically resistant pressure-sensitive adhesive tape and method of making the same. Re. 24,953, 3–28–61, Cl. 117—122.

Homier, Paul A., and S. Sterman, to Union Carbide Corp. Polyvinyl butyral-amylpolysiloxane resin blends for treating asbestos-cement shingles and method for using same. 3,000,842, 9–19–61, Cl. 260—29.6.

Homm, Roger E.: *See*—
Millman, Nathan, and Homm. 2,992,971.
Millman, Nathan, and Homm. 3,005,457.

Hommel, William B., to American Can Co. Sheet feeder. 2,999,687, 9–12–61, Cl. 271—18.

Hommer, Gordon H., to Tidewater Oil Co. Hydraulic fluid and its preparation. 2,967,831, 1–10–61, Cl. 252—77.

Homogenette, Inc.: *See*—
Lopata, Ira L. 3,002,599.

Homola, Friedrich, G. Oberländer, and O. Elwert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Turbocharged four stroke cycle fuel injection engine. 2,979,887, 4–18–61, Cl. 60—13.

Honak, Eduard R.: *See*—
Bunge, Gerhard, and Honak. 2,992,137.

Honami, Tohei: *See*—
Akamatsu, Hayao, Honami, and Yoshikawa. 2,986,234.

Honcharenko, Peter. Cigarette case. 2,971,676, 2–14–61, Cl. 221—232.

Honeiser, Vladimir P., to International Telephone and Telegraph Corporation. Signal detector. 2,987,706, 6–6–61, Cl. 340—173.

Honeiser, Vladimir P., to International Telephone and Telegraph Corp. Data read-out system. 3,004,242, 10–10–61, Cl. 340—172.5.

Honeiser, Vladimir P., and H. S. Margetts, to International Telephone and Telegraph Corp. Code recognition circuit. 3,007,138, 10–31–61, Cl. 340—172.5.

Honens, Lawrie W.: *See*—
Sublette, Ivan H., and Honens. 2,990,540.

Honey, Eric M. O., C. R. Hardy, and F. Sharp, to Pritchett & Gold and E.P.S. Co. Ltd. Improved method of producing micro-porous sheet. 2,984,869, 5–23–61. Cl. 18—48.

Honeyager, Robert G.: *See*—
Carlin, Robert, and Honeyager. 2,993,576.

Honeycutt, Frank, R. A. Huhn, R. M. Myers, and C. H. Wilson, to Philco Corp. Equipment units. 2,970,874, 2–7–61, Cl. 312—223.

Honeycutt, Harry M. Package. 2,994,425, 8–1–61, Cl. 206—46.

Honeyman, Robert B., to Morden Machines Co. Automatic safety release for adjusting means for pulp refiners and the like. 2,985,388, 5–23–61, Cl. 241—32.

Honeyman, William I., to Auto Fabric Products Co. Ltd. Slip covers. 3,008,154, 11–14–61, Cl. 5—339.

Honeymead Products Co.: *See*—
Canalini, Raymond J. 3,010,548.

Honig, Henry T. Fishing rod holder. 3,000,599, 9–19–61, Cl. 248—38.

Honig, Robert. Garment hanger. 2,990,986, 7–4–61, Cl. 223—95.

Honigman, Allan: *See*—
Siegel, Moses, and Honigman. 2,989,899.

Honisek, George E., C. J. Fette, and P. Pochinsky. Oil can pump. 3,013,702, 12–19–61, Cl. 222—381.

Honn, Francis J., to Minnesota Mining and Mfg. Co. Stabilization of perfluorochlorocarbon plastics. 2,985,620, 5–23–61, Cl. 260—45.75.

Honn, Francis J., and W. M. Sims, to Minnesota Mining and Mfg. Co. Fluorinated elastomers and cross linking thereof. 2,999,854, 9–12–61, Cl. 260—79.5.

Honnen, Maria, to The Richardson Co. Cresylic acid resin-polyamide laminate. 3,007,827, 11–7–61, Cl. 154—43.

Honold, Ernst, and J. Nikolai, to Cassella Farbwerke Mainkur Aktiengesellschaft. Process for levelling the action of chlorine on wool. 3,008,795, 11–14–61, Cl. 8—128.

Honolulu Oil Corp.: *See*—
Bried, Julien A. 3,002,219.
Toti, Andrew J. 2,998,619.

Honore, Etienne: *See*—
Gendreu, Robert, Honore, and Torcheux. 3,001,115.
Torcheux, Emile, and Honore. 2,999,919.

Honore, Etienne, and E. Torcheux, to Compagnie Generale de Telegraphie Sans Fil, and Societe Macocaine de Recherches, d'Etudes et de Developpements "Somarede". Improvements in analog computer circuit. 3,009,640, 11–21–61, Cl. 235—193.

Honsinger, Vernon B., to Allis-Chalmers Mfg. Co. Two speed synchronous motor. 2,989,655, 6–20–61, Cl. 310—211.

Hood, Edwin E., to The Bendix Corp. Engine starter gearing. 2,972,257, 2–21–61, Cl. 74—9.

Hood, Edwin E., to The Bendix Corp. Semi-automatic two-speed hub and coaster brake. 2,982,384, 5–2–61, Cl. 192—6.

Hood, Edwin E., to The Bendix Corp. Actuator for two-speed bicycle gearing. 2,989,879, 6–27–61, Cl. 74—781.

Hood, Edwin E., to The Bendix Corp. Semi-automatic two-speed hub and coaster brake. 2,993,575, 7–25–61, Cl. 192—6.

Hood, Edwin E., and H. K. Gleasman, to The Bendix Corp. Semi-automatic two-speed hub and coaster brake for velocipedes and the like. 2,972,908, 2–28–61, Cl. 74—750.

Hood, Eugene J.: *See*—
Richardson, William F., and Hood. 2,982,317.

Hood, Everett D., to The Glidden Co. Catalyzed epoxy coatings and articles coated therewith. 2,967,172, 1–3–61, Cl. 260—47.

Hood, George E.: *See*—
Brautigam, John J., and Hood. 2,981,787.

Hood, Horace E., to Hercules Powder Co. Phenol purification. 2,971,893, 2–14–61, Cl. 202—46.

Hood, James C., Jr., and H. S. Preiser, to H. S. Preiser. Method of insulating a ship's propeller for minimizing electrolytic action. 2,992,961, 7–18–61, Cl. 154—128.

Hood, R. H., Co.: *See*—
Kiwi, Walter. 3,001,346.

Hood, Ralph S., to Davidson Rubber Co. Mixing device. 2,974,830, 3–14–61, Cl. 222—135.

Hood, William J.: *See*—
Bardach, Martin, Field, Gooden, and Hood. 2,980,565.

Hood, William J. Deep fat cooking apparatus having cooking plate of adjustable height. 3,001,468, 9–26–61, Cl. 99—407.

Hoof, Robert G., to The Bendix Corp. Actuator with dither in neutral. 2,977,812, 4–4–61, Cl. 74—322.

Hoog, Lawrence J. Safety gate. 3,000,063, 9–19–61, Cl. 20—71.

Hoogenstyn, Don R. Shelving bracket. 2,967,625, 1–10–61, Cl. 211—183.

Hook, Albert S., H. K. Goodman, and G. L. Hutter, to Alwac International Inc. Computer memory section improvements. 2,977,178, 3–28–61, Cl. 546—74.

Hook-Brown Co.: *See*—
Brown, Leslie S., Ives, and L'Hollier. 2,977,691.

Hook, Edwin O.: *See*—
Emrick, Donald D., Liao, and Hook. 3,011,881.
Liao, Chien-wei, Emrick, and Hook. 3,011,880.

Hook, Harvey O.: *See*—
Loebner, Egon E., Hook, and Darling. 2,975,291.

Hook, Marvin C. Bale loader. 2,983,395, 5–9–61, Cl. 214—130.

Hooker Chemical Corp.: *See*—
Bovier, Lloyd S., and Rea. 3,006,750.
Campbell, Donald H. 2,998,461.
Geering, Emil J., and Nelson. 2,983,732.
Hinkle, John H., Jr. 3,008,740.
Hoch, Paul E., and Robitschek. 2,978,401.
Hoch, Paul E., and Robitschek. 2,978,402.
Ilardo, Charles S., Bean, and Robitschek. 2,992,196.
Johnson, Arnold N. 2,996,553.
Marks, Burton S., and Schoepfle. 2,993,924.
Marks, Burton S., and Schoepfle. 2,996,528.
Maude, Aylmer H., Bhagwat, Lisman, and Rosenberg. 3,006,833.
Newcomer, Jack S., Smith, and Linder. 3,014,965.
Newcomer, Jack S., Weil, and Dorfman. 3,007,789.
Newcomer, Jack S., Weil, Dorfman, and Linder. 3,006,967.
Osborne, Sidney G., and Miller. 2,967,806.
Osborne, Sidney G., and Miller. 2,967,807.
Robitschek, Paul, and Bean. 3,007,958.
Schoepfle, Blaine O., and Robitschek. 3,006,887.
Shepard, Alvin F. 2,993,074.
Weil, Edward D. 2,996,548.
Weil, Edward D. 3,007,790.
Weil, Edward D., Dorfman, and Linder. 3,009,806.

Hooker, Donald E.: *See*—
Tojza, Roman A., and Hooker. 3,004,357.

Hooker, John A., to M. Bova. Method of forming a frozen food product. 2,968,567, 1–17–61, Cl. 99—193.

Hooker, Robert P., to Arvin Industries, Inc. Case. 2,997,198, 8–22–61, Cl. 220—4.

Hooker, Samuel A.: *See*—
Pickren, James H. 3,002,873.

Hooks, William A.: *See*—
Barnickel, Arthur K., and Hooks. 3,001,540.

Hookway, William C., to Cooper Alloy Corp. Valve. 3,006,597, 10–31–61, Cl. 251—88.
Hoolim, Haar. Means used in designing patterns. Re. 25,031, 8–22–61, Cl. 35—27.
Hoop, Frederick R., ½ to S. Koukios. Refrigeration system. 2,986,907, 6–6–61, Cl. 62—510.
Hooper, Brian E.: *See*—
Brady, Sheldon T., and Hooper. 2,997,535.
Hooper, George D.: *See*—
Falk, Richard B., Hatinger, and Hooper. 2,999,271.
Hooper, Irving R.: *See*—
Nettleton, Donald E., Jr., Hooper, Johnson, and Hardcastle. 3,008,956.
Hooper, Plez J. Laying nest. 2,972,333, 2–21–61, Cl. 119—45.
Hooper, William J. Syringe. 2,984,452, 5–16–61, Cl. 251—228.
Hoopes, Penrose R.: *See*—
Flanagan, James R., and Hoopes. 2,976,659.
Hooten, Basil P.: *See*—
Brower, George H., Hooten, and Cooper. 2,966,976.
Hooven, Frederick J. Vehicle rear axle guiding system. 2,988,160, 6–13–61, Cl. 180—73.
Hooven, Frederick J. Braking control system. 3,005,664, 10–24–61, Cl. 303—24.
Hooven, Frederick J., and R. C. O'Brien, to Harris-Intertype Corp. Photographic type composition. 2,966,835, 1–3–61, Cl. 95—4.5.
Hoover Ball and Bearing Co.: *See*—
Lincoln, John C. 2,981,318.
Neely, William H. 3,008,555.
Hoover, Charles H., to United States of America, Army. Mechanical self-recording gage. 3,014,775, 12–26–61, Cl. 346—77.
Hoover, Charles W., Jr. Clock-operated delay circuit. 2,972,111, 2–14–61, Cl. 328—56.
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Pavlic, Mary C. 2,998,474.
Seck, Werner G. 2,980,205.
Sibbald, Frederick R. 3,010,617.
Hoover, Fred W., to E. I. du Pont de Nemours and Co. Preparation of amines. 2,983,758, 5–9–61, Cl. 260—578.
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Hoover, George W. Wrist attached cigarette ash holder. 3,010,627, 11–28–61, Cl. 224—28.
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Hoover, Hilton J. Work vehicle for cleaning drainage canals. 2,977,738, 4–4–61, Cl. 56—8.
Hoover, John R. E. Apparatus for determining melting points. 2,967,424, 1–10–61, Cl. 73—17.
Hoover, John R. E., to Smith Kline & French Laboratories. 2-amino-3-quinolyl-1-propanol derivatives. 3,014,036, 12–19–61, Cl. 260—287.
Hoover, Merle L., and J. W. Woolf, to Joy Mfg. Co. Mine haulage vehicle. 2,970,664, 2–7–61, Cl. 180—41.
Hoover, Merle V., to Radio Corp. of America. Pulsed amplifiers with pulsed bias control. 2,983,882, 5–9–61, Cl. 332—49.
Hoover, Robert J., Jr. Impulse-type gas turbine power plant. 2,990,685, 7–4–61, Cl. 60—39.52.
Hoover, Robert L. Method of electric timing and apparatus for same. 2,974,280, 3–7–61, Cl. 324—68.
Hoover, Vaino A. Mechanical actuator with proportional travel limit cam having adjustable contour. 3,002,598, 10–3–61, Cl. 192—141.
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Hopfeld, Henry. Method and device for replacing rungs on a ladder. 2,982,373, 5–2–61, Cl. 182—228.
Hopfer, Samuel, to PRD Electronics, Inc. Multi-mode standing wave indicator. 2,989,699, 6–20–61, Cl. 324—95.
Hopff, Heinrich, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of terephthalic acid. 2,993,070, 7–18–61, Cl. 260—524.
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Hopkins, Ben R., to Pacific Outdoor Advertising Co. Supported vertical display panels. 3,010,234, 11–28–61, Cl. 40—125.
Hopkins, Cecil L. Magnetically controlled applicator. 2,978,723, 4–11–61, Cl. 15—139.
Hopkins, Charles L. Polymorphic geometrical devices. 2,992,829, 7–18–61, Cl. 273—157.
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Hopkins, Earl E., to General Electric Co. Simplified insulation stripping mechanism. 3,003,375, 10–10–61, Cl. 81—9.51.
Hopkins, Ernest J., and R. H. Macpherson, to General Electric Co. Electric relay. 2,981,967, 4–25–61, Cl. 317—86.
Hopkins, Ervin W., and L. J. Zimont, to Armour and Co. Meat tenderizing composition and method of using. 2,999,019, 9–5–61, Cl. 99—107.
Hopkins, Evan L., to Hopkins Mfg. Corp. Washing implement. 2,977,625, 4–4–61, Cl. 15—567.
Hopkins, Evan L., to Hopkins Mfg. Corp. Optical apparatus for measuring differences in elevation. 2,988,952, 6–20–61, Cl. 88—2.7.
Hopkins, Evan L., to Hopkins Mfg. Corp. Apparatus for testing the alignment of vehicle headlamps. 2,997,914, 8–29–61, Cl. 88—14.
Hopkins, Frank L., and J. D. Helm, to Bemis Bro. Bag Co. Apparatus for spraying loose bulk material. 2,973,740, 3–7–61, Cl. 118—303.
Hopkins, Frank L., and R. H. Ayres, to Bemis Bro. Bag Co. Bag top closing and sealing machine. 2,978,852, 4–11–61, Cl. 53—137.
Hopkins, Frank L., and J. D. Helm, to Bemis Bro. Bag Co. Material weighing and bag filling machine. 3,000,454, 9–19–61, Cl. 177—81.
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Hopkins, Evan L. 2,988,952.
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Hopkins, Paul D., R. J. Miller, and G. A. Noddin, to E. I. du Pont de Nemours and Co. Cutting and crimping device. 2,997,911, 8–29–61, Cl. 86—22.
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Hopkins, Thomas R., R. P. Neighbors, and O. L. Hoffmann, to Spencer Chemical Co. Nematocide compositions. 3,008,869, 11–14–61, Cl. 167—22.
Hopkins, William B. Fluid flow system. 3,008,641, 11–14–61, Cl. 236—1.
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Hoppe, Alfred, to Edeleanu Gesellschaft m.b.H. Process for the separation of N-paraffins from hydrocarbon oils. 2,999,857, 9–12–61, Cl. 260—96.5.
Hoppe, Alfred G., and E. F. Reinke. Vehicle for highway and railway use. 3,003,433, 10–10–61, Cl. 105—215.
Hoppe, Clemens B. Mandrel for driving pile shells. 2,977,770, 4–4–61, Cl. 61—53.72.
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Hoppe, Gerhard. Oscillating screen structure. 3,012,674, 12–12–61, Cl. 209—401.
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Hoppe, Peter, K. Breer, and E. Weinbrenner, to Mobay Chemical Co. Mixing apparatus. 3,005,624, 10–24–61, Cl. 259—8.
Hoppe, Walter, to El-Re-Ma S.A. per lo sfruttamento di brevetti. Calculating machine with polarized relays. 3,004,703, 10–17–61, Cl. 235—159.
Hoppe, Walter, to El-Re-Ma S.A. per lo sfruttamento di brevetti. Electrical calculating machine with operational groups of switching elements. 3,004,704, 10–17–61, Cl. 235—159.

Hoppe, Walter, to El-Re-Ma S.A. per lo sfruttamento di brevetti. Electrical calculation circuit. 3,009,639, 11–21–61, Cl. 235—174.
Hoppenworth, Marvin V., to Collins Radio Co. Differential system with variable diameter sheaves. 2,989,125, 6–20–61, Cl. 170—135.24.
Hopper, Andrew L.: *See*—
Custer, Charles J., and Hopper. 2,995,089.
Hopper, Andrew L., to United States of America, Army. Auxiliary compensating antenna. 2,984,183, 5–16–61, Cl. 102—70.2.
Hopper, Andrew L., to Bell Telephone Laboratories, Inc. Delay system. 2,994,829, 8–1–61, Cl. 328—177.
Hopper, Charles G., to United States of America, Atomic Energy Commission. Self-centering positive locking grapnel. 2,991,112, 7–4–61, Cl. 294—86.
Hopper, Clyde R. Can puncturing apparatus. 2,979,816, 4–18–61, Cl. 30—4.
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Goldblatt, Leo A., Hopper, and Rayner. 3,008,910.
Hopper, Philip S., to United Aircraft Corp. Ducted fan flameholder. 2,979,900, 4–18–61, Cl. 60—39.72.
Hopper, Philip S., to United Aircraft Corp. Fuel nozzle for bypass engine. 2,988,878, 6–20–61, Cl. 60—35.6.
Hopper, Quentin R. Reagent for determining the amount of cholesterol in serum and method of preparing same. 3,001,950, 9–26–61, Cl. 252—408.
Hopper, Robert J., and O. B. Lolmaugh, to Del Mar Engineering Laboratories. Radar reflective tow target. 3,010,103, 11–21–61, Cl. 343—18.
Hoppin, George S., III, to General Electric Co. Copper base brazing alloys and mixtures. 2,988,447, 6–13–61, Cl. 75—159.
Hoppin, George S., III, and K. S. Songer, to General Electric Co. Copper base brazing alloy and mixtures. 3,006,757, 10–31–61, Cl. 75—159.
Hopwood, Walter A. Means for introducing auxiliary air into internal combustion engine. 2,994,310, 8–1–61, Cl. 123—26.
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Horath, Werner K., to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Rate gyroscopes. 2,986,941, 6–6–61, Cl. 74—5.
Horberg, Charles, Jr., to Paramount Textile Machinery Co. Linear control units. 2,968,710, 1–17–61, Cl. 200—168.
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Horgan, George D., to American Machine & Foundry Co. Manufacture of filter-tip cigarettes. 3,000,382, 9–19–61, Cl. 131—94.
Horgan, Thomas B., to Avco Mfg. Corp. Transistorized detector and audio amplifier system. 2,989,628, 6–20–61, Cl. 250—20.
Horgan, Thomas B., to International Business Machines Corp. Beam switching tube logic circuit. 3,001,712, 9–26–61, Cl. 235—176.
Horgen, Helge, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S.A. Installations comprising a plurality of auto-generators producing hot gas under pressure. 3,011,484, 12–5–61, Cl. 123—46.
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Harman, Cameron G. 2,996,696.
Mayer, Edward F. 2,996,783.
Mayer, Edward F. 3,006,044.
Sorkin, Jack L., and Vickery. 3,002,851.
Steinberg, Morris A. 2,979,813.
Steinberg, Morris A. 2,979,814.
Wainer, Eugene. 2,967,759.
Wainer, Eugene. 3,000,766.
Wainer, Eugene. 3,006,728.
Horizons Titanium Corp.: *See*—
Sibert, Merle E. 2,974,092.
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Csonka, Lajos, Horkay, Szanto, Szerecz, and Gonczy. 2,987,412.
Horky, Raymond H., and M. P. Wolpin, to Bell Aerospace Corp. Dual electro-hydraulic servo actuator system. 2,995,014, 8–8–61, Cl. 60—97.
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Horn, Christian F.: *See*—
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Young, Donald M., and Horn. 2,999,849.
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Horn, Christian F., to Union Carbide Corp. Sulfone polyesters. 3,004,955, 10–17–61, Cl. 260—75.
Horn, Christian F., F. Hostettler, and N. R. Eldred, to Union Carbide Corp. Alkylene and arylene di (sulfonylalkanoates). 2,969,387, 1–24–61, Cl. 260—481.
Horn, Christian F., and H. Vineyard, to Union Carbide Corp. (Alkylenedisulfonyl) ditoluates. 2,970,168, 1–31–61, Cl. 260—470.
Horn, Franz, to Rheinmetall G.m.b.H. Armoured car with a rotatably arranged gun turret. 2,976,769, 3–28–61, Cl. 89—36.
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Horn, Frederick L., and J. E. Binns, to United States of America, Atomic Energy Commission. Specific heat indicator. 2,983,145, 5–9–61, Cl. 73—193.
Horn, Hans, to Schneeraumungsmaschinen AG. Rotary snow plow. 2,977,693, 4–4–61, Cl. 37—43.
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Horn, Norbert W., and D. S. Oliver, to Borg-Warner Corp. Motor and pump mounting means. 3,014,623, 12–26–61, Cl. 222—189.
Horn, Otto, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing butyraldehyde. 2,971,984, 2–14–61, Cl. 260—601.
Horn, Ray. Method of embossing. 2,969,728, 1–31–61, Cl. 101—32.
Horn, Thurman W. Power transmitting drive embodying friction clutch. 2,998,871, 9–5–61, Cl. 192—17.
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Hornak, John N., and M. A. Orehoski, to United States Steel Corp. Method and apparatus for vacuum casting. 3,013,316, 12–19–61, Cl. 22—73.
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Hornbostel, Lloyd, to Beloit Iron Works. Pressure gland for tail transfer. 2,990,014, 6–27–61, Cl. 162—307.
Hornbostel, Lloyd, to Beloit Iron Works. Dandy roll for high speeds. 2,998,846, 9–5–61, Cl. 162—297.
Hornbostel, Lloyd, to Beloit Iron Works. Drive assembly for metal working mill. 3,013,452, 12–19–61, Cl. 80—36.
Hornbostel, Lloyd, E. D. Beachler, and E. J. Justus, to Beloit Iron Works. Paper machine forming wire. 2,992,681, 7–18–61, Cl. 162—348.
Hornbostel, Lloyd, E. D. Beachler, and E. J. Justus. Fourdrinier wire drive mechanism and method. 2,992,965, 7–18–61, Cl. 162—199.
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Hignett, Harold W. G., Turner, and Horne. 2,972,806.
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Horne, Campbell C., to The International Nickel Co., Inc. Turbine and compressor blades. 3,014,693, 12–26–61, Cl. 253—39.15.
Horne, Donald S., R. Ashton, and L. L. Kepkay, to Massey-Ferguson Ltd. Self-propelled combine. 2,999,347, 9–12–61, Cl. 56—21.
Horne, Donald S., R. Ashton, and L. L. Kepkay, to Massey-Ferguson Ltd. Operator's platform for combines. 2,999,556, 9–12–61, Cl. 180—89.
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Horner, Clifford E., and G. R. Feaster, to Westinghouse Electric Corp. Cathode for electron discharge device. 3,005,926, 10–24–61, Cl. 313—337.
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Horner, James W., Jr., to Daniels-Midland Co. Non-thixotropic flour adhesives and methods therefor. 2,999,028, 9–5–61, Cl. 106—150.
Horner, John F., and L. T. Wright, to Standard Oil Co. Reaction chamber. 2,980,515, 4–18–61, Cl. 23—288.
Horner, John W., to Thompson Ramo Wooldridge Inc. Fuel dissociation chamber. 2,988,430, 6–13–61, Cl. 23—281.
Horner, John W., to Thompson Ramo Wooldridge Inc. Seal. 3,007,600. 11–7–61, Cl. 220—46.
Horner, John W., and A. J. Rothenberg, to Thompson Ramo Wooldridge Inc. Dual thrust chamber rocket. 2,981,059, 4–25–61, Cl. 60—35.6.
Horney, David C., to Deere & Co. Hitch device. 2,987,126, 6–6–61, Cl. 172—450.
Hornik, Frank J., to Lyon Inc. Retaining structure for kitchen sinks. 2,968,815, 1–24–61, Cl. 4—187.
Hornik, Frank J., to Lyon Inc. Sink structure. 2,996,730, 8–22–61, Cl. 4—187.
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Hornschuch, Hanns, and H. E. Greve, to Ingersoll-Rand Co. Pump. 2,999,466, 9–12–61, Cl. 103—128.
Hornseth, Robert L. Violin. 2,977,835, 4–4–61, Cl. 84—275.
Hornstein, Victor, E. Lohrmann, M. Schneider, and E. Kusel, to Jagenberg-Werk A.G. Apparatus for unwinding a supply roll in paper processing machines. 2,977,058, 3–28–61, Cl. 242—55.1.
Hornung, Stephen A., to Otis Elevator Co. Elevator selection system. 2,973,059, 2–28–61, Cl. 187—29.
Horovitz, Marcus, to Metalastik Ltd. Resilient mountings. 3,003,738, 10–10–61, Cl. 248—358.
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Horowitz, Carl, and M. Mendelsohn, to Yardney International Corp. Fungicidal compounds. 2,983,722, 5–9–61, Cl. 260—209.6.
Horowitz, Harry. Method and means for weaving elastic grip waistbands. 2,988,112, 6–13–61, Cl. 139—11.
Horowitz, Harry. Woven curtain fabric. 2,998,829, 9–5–61, Cl. 139—384.
Horowitz, Hugh H., and E. O. Forster, to Esso Research and Engineering Co. Oil compositions containing aluminum disoap and an amine. 3,010,900. 11–28–61, Cl. 252—37.
Horowitz, Irving, to Blonder Tongue Laboratories. Pulse-sharpening circuit. 2,968,766, 1–17–61, Cl. 328—223.
Horowitz, Jacob I. Folding picnic table and benches. 2,983,308. 5–9–61, Cl. 155—124.
Horres, Eugene S., to Audio Mechanical Devices, Inc. Continuous tape recorder and sound reproducer. 2,982,489, 5–2–61, Cl. 242—55.19.
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Horrocks, Sam, and W. G. Farrer. Apparatus for printing pile fabrics. 2,997,952, 8–29–61, Cl. 101—181.
Horrom, Bruce W., to Abbott Laboratories. Tranquillizers. 2,967,544. 6–6–61, Cl. 260—559.
Horrom, Bruce W., to Abbott Laboratories. Cyclopropyl ketoximes. 3,012,074. 12–5–61, Cl. 260—566.
Horrom, Bruce W., and L. R. Swett, to Abbott Laboratories. Manufacture of cycloalkyl esters. 2,992,269, 7–11–61, Cl. 260—468.
Horsley, David S. Electronics motion picture printer. 3,005,042. 10–17–61, Cl. 178—5.2.
Horsley, Geoffrey W., B. R. T. Frost, and J. T. Maskrey, to United Kingdom Atomic Energy Authority. Corrosion inhibition in ferrous metals. 2,978,368, 4–4–61, Cl. 148—16.6.
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Horste, Joseph E. Pin-bushing structure. 2,970,866, 2–7–61, Cl. 305—11.
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Sherwen, Theo. 3,005,477.
Hort, Eugene V., to General Aniline & Film Corp. Hydrogenation catalyst. 2,967,835, 1–10–61, Cl. 252—447.
Hort, Eugene V., to General Aniline & Film Corp. Stabilization of aromatic carbocyclic amines. 2,971,029, 2–7–61, Cl. 260—575.
Hort, Eugene V., to General Aniline & Film Corp. Purification of butynediol. 2,993,078, 7–18–61, Cl. 260—637.
Hort, Eugene V., and D. E. Graham, to General Aniline & Film Corp. Hydrogenation of 2-butyne-1,4-diol to 1,4-butanediol. 2,967,893, 1–10–61, Cl. 260—635.
Hort, Eugene V., and F. Grosser, to General Aniline & Film Corp. Stabilized butyrolactone compositions and methods for making same. 3,005,830, 10–24–61, Cl. 260—343.6.
Horton, Clarence R., Jr., to Dravo Corp. Flanking rudder control. 3,009,435, 11–21–61, Cl. 114—163.
Horton Co., The: *See*—
Lyall, Charles E., and Holding. 3,013,581.
Horton, Erwin C.: *See*—
Olshei, John R., Horton, Bitzer, and Cavanaugh. 2,987,747.
Horton, Erwin C. Windshield wiper. 2,968,828, 1–24–61, Cl. 15—245.
Horton, Erwin C., to Trico Products Corp. Windshield cleaner. 2,973,542. 3–7–61, Cl. 15—250.23.
Horton, Frank E., to Banner Mining Co. Process and apparatus for treating oxidized copper ores. 2,970,096, 1–31–61, Cl. 204—106.
Horton, Frank E., and E. C. Brace, to Banner Mining Co. Method of recovering cuprate anions from their metal salt solutions. 2,970,036, 1–31–61, Cl. 23—55.
Horton, Frank J., to No-Sag Spring Co. Spring forming and cut-off machine. 2,998,045, 8–29–61, Cl. 153—15.
Horton, James B., and E. J. Serfass, to Bethlehem Steel Co. Waste pickle liquor recovery process. 2,975,029, 3–14–61, Cl. 23—172.
Horton, John P., and B. M. Whitehurst, to Virginia-Carolina Chemical Corp. Process for the production of phosphorus. 2,974,016, 3–7–61, Cl. 23—223.
Horton, John W.: *See*—
Price, Peter J., and Horton. 2,975,304.
Price, Peter J., and Horton. 2,975,377.
Horton, John W., to International Business Machines Corp. Storage device. 2,981,891. 4–25–61, Cl. 328—124.
Horton, John W., and A. G. Anderson, to International Business Machines Corp. Binary full adders. 3,014,663, 12–26–61, Cl. 235—176.
Horton, Kenneth E.: *See*—
Binstock, Martin H., and Horton. 2,985,571.
Horton Mfg. Co., Inc.: *See*—
Erickson, Milton E. 2,991,849.
Horton, Paul V.: *See*—
Swanson, John A., and Horton. 2,986,591.
Horton, Paul V., to International Business Machines Corp. Printed circuit ferrite core memory assembly. 2,970,296, 1–31–61, Cl. 340—174.
Horton, Paul V., and R. S. Haines, to International Business Machines Corp. Magnetic recording medium and method of making the same. 2,989,415, 6–20–61, Cl. 117—31.
Horton, Ralph A. Apparel carrier. 3,000,513, 9–19–61, Cl. 211—119.
Horton, Richard H., to General Electric Co. Controls and accessories system. 3,011,313, 12–5–61, Cl. 60—39.66.
Horton, William B., to H. E. Fletcher Co. Method for thermal mineral piercing. 2,976,941. 3–28–61, Cl. 175—14.
Horton, William F., to Lear, Inc. Time delay relay device. 2,980,826. 4–18–61, Cl. 317—148.5.
Horton, William F., and S. H. Auld, Jr., to Lear, Inc. Voltage transfer switch. 2,970,227, 1–31–61, Cl. 307—88.5.
Horton, William P.: *See*—
Dean, Franklin R., Horton, and Massard. 2,978,174.
Horton, Winthrop S.: *See*—
Parrish, Walter A., and Horton. 2,995,897.
Horvath, Robert A.: *See*—
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Horvath, William J., to General Motors Corp. Method of assembling and securing elongated members in a retainer structure. 3,014,267, 12–26–61, Cl. 29—148.4.
Horvay, Julius B., to General Electric Co. Refrigerator cabinet including improved liner mounting means. 2,997,353. 8–22–61, Cl. 312—214.
Horvay, Julius B., to General Electric Co. Hinge structure. 3,005,227. 10–24–61, Cl. 16—169.
Horvay, Julius B., to General Electric Co. Refrigerator cabinet construction. 3,006,158, 10–31–61, Cl. 62—273.
Horvitz, David, to National Distillers and Chemical Corp. Preparation of tetramethylhydrazine. 3,013,076. 12–12–61, Cl. 260—583.
Horvitz, David, and A. H. Pope, to National Distillers and Chemical Corp. Dehydration of methylhydrazine. 3,012,948, 12–12–61, Cl. 202—42.
Horwitt, Laurence G., J. F. Suarez, and R. E. Hopp, to Casco Products Corp. Steaming and dampening iron. 3,003,266, 10–10–61, Cl. 38—77.
Horwitz, Lester, and C. B. Roth, to General Aniline & Film Corp. Certain 2-methyl-6-(β-carbamylethoxy)-benzothiazoles and quaternary salts thereof. 2,984,667, 5–16–61, Cl. 260—304.
Horwitz, Sidney H., to The National Key Co. Key cutting machine. 3,006,255, 10–31–61, Cl. 90—13.05.
Hosaka, Syusaku: *See*—
Goto, Sampei, Hosaka, Doi, and Osumi. 2,988,955.

Hosansky, Norman: *See*—
Smith, Eric, and Hosansky. 2,980,699.
Hosbach, Carl C. Educational toy for teaching arithmetic. 3,011,270, 12–5–61, Cl. 35—31.
Hosbein, Louis H., to M. H. Detrick Co. Co-moulded bricks. 2,975,500, 3–21–61, Cl. 25—154.
Hose, Alfred G., L. D. Kunsman, and G. P. Wennes, to The Lindsay Wire Weaving Co. Fourdrinier wire cloth. 2,992,469, 7–18–61, Cl. 28—75.
Hose, Eddy, to Cubic Corp. Phase-to-digital and digital-to-phase converters. 2,991,462, 7–4–61, Cl. 340—347.
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Hildebrandt, Friedrich, and Hose. 3,006,027.
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Barth, Heinz, and Hosemann. 2,996,616.
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Brewer, Robert F., and Hosford. 2,984,046.
Hoshino, Yasushi, and M. Sato. Pressing plate of a magnetic sound record reading machine. 2,973,410, 2–28–61, Cl. 179—100.2.
Hoshino, Yasushi, M. Namikawa, and S. Tochihara. Apparatus of synchronous recording on a number of magnetic recording sheets. 2,986,609, 5–30–61, Cl. 179—100.2.
Hoshino, Yasushi, M. Namikawa, and S. Tochihara. System for manufacturing at high speed magnetic sound record sheets used on a magnetic sound record reading machine. 2,999,907, 9–12–61, Cl. 179—100.2.
Hoshino, Yasushi, M. Namikawa, and S. Tochihara. Device for holding a master magnetic record sheet and a magnetic record sheet to be printed in a correct overlapping relationship in printing operation. 2,999,908, 9–12–61, Cl. 179—100.2.
Hosken, Edward J.: *See*—
Hosken, Fred J. and E. J. 2,996,898.
Hosken, Fred J. and E. J. Vacuum cooling apparatus. 2,996,898, 8–22–61, Cl. 62—268.
Hoskin, Richard K., to Newcomb Electronics Corp. Interlock for tape recording and reproducing machines. 2,987,264, 6–6–61, Cl. 242—55.12.
Hoskin, Richard K., to Newcomb Electronics Corp. Apparatus for recording and for playback of sound utilizing a tape. 3,000,583, 9–19–61, Cl. 242—55.12.
Hosking, Oakley W. Fluid valve. 3,000,390, 9–19–61, Cl. 137—284.5.
Hoskins, Clement B., to American Viscose Corp. Continuous viscose degasification. 3,007,919, 11–7–61, Cl. 260—218.
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McMahon, Clifford C. 3,008,110.
Hoskins, Thomas E.: *See*—
Johnson, Robert, and Hoskins. 3,003,132.
Johnson, Robert, and Hoskins. 3,018,690.
Hoskinson, Eugene A., to North American Aviation, Inc. Transistor pulse response circuit. 2,981,850, 4–25–61, Cl. 307—88.5.
Hosko, Michael J., Jr., to American Home Products Corp. Monkey chair. 2,982,248, 5–2–61, Cl. 119—96.
Hösli, Heinz, to Gesellschaft der Ludw. von Roll'schen Eisenwerke AG. Dismantleable coupling. 3,013,409, 12–19–61, Cl. 64—8.
Hosmer, William A., R. L. Mayhew, and J. P. Oelberg, to General Aniline & Film Corp. Iodine-heavy metal halide germicidal compositions. 2,997,421, 8–22–61, Cl. 167—17.
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Doran, James A. 2,992,804.
Hospital Supply and Development Co.: *See*—
Beach, Janet L. 3,001,565.
Hosterman, Fred O.: *See*—
Gerwig, Harvey F., Cox, Hosterman, and Rivera. 2,997,064.
Hostetler, Stanley F.: *See*—
Kennedy, William J., and Hostetler. 2,977,724.
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Hostettler, Fritz: *See*—
Horn, Christian F., Hostettler, and Eldred. 2,969,387.
Young, Donald M., and Hostettler. 2,990,379.
Hostettler, Fritz, and N. R. Eldred, to Union Carbide Corp. (Alkylenedisulfonyl) dibenzoates. 2,970,167, 1–31–61, Cl. 260—470.
Hotas, Leon G. Spinal traction chairs. 3,003,498, 10–10–61, Cl. 128—75.
Hotas, Leon G. Torso exercising machines. 3,012,776, 12–12–61, Cl. 272—58.
Hotas, Leon G. Physio therapy appliances. 3,012,777, 12–12–61, Cl. 272—58.
Hotchkiss-Brandt: *See*—
Jasse, Joseph R. 2,977,858.
Jasse, Joseph R. 3,008,414.
Hotchkiss, Bruce M., ½ to C. H. McKinley. Casket unit. 2,983,024, 5–9–61, Cl. 27—17.
Hotchkiss, Eugar A. Orchard crane. 2,998,861, 9–5–61, Cl. 182—2.
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Willcox, Frederick P., and Hotchkiss. 2,987,573.
Hotchner, Fred. Predetermined torque release wrench provided with means to lock a bolt and nut in assembled relation. 3,003,378, 10–10–61, Cl. 81—52.4.
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Carmellini, Andrew E., and Hotelling. 2,976,873.
Hotelling, Eric B., to Consolidation Coal Co. Hexamethylenimine phenols and their preparation. 2,976,280, 3–21–61, Cl. 260—239.
Hotelling, Eric B., and T. E. Kelly. Tobacco composition. 2,984,244, 5–16–61, Cl. 131—15.
Hothem, Clarence E., to Ford Motor Co. Vehicle warning system. 2,980,888, 4–18–61, Cl. 340—62.
Hothem, Forrest E. Combination or head-band and adjustable microphone cage. 2,993,962, 7–25–61, Cl. 179—156.
Hotkap Mfg. Co.: *See*—
Schindler, Walter R. 2,972,318.
Hot Shot Products Co.: *See*—
Bartel, George H. 2,981,465.
Tindell, Alvin R. 3,012,306.
Hott, Ion V. K., to The Joyce-Cridland Co. Bumper jack and fluid system. 2,974,490, 3–14–61, Cl. 60—52.
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Hottel, Hoyt C.: *See*—
Frost, Edward E., Hottel, and Longwell. 2,971,605.
Jensen, William P., and Hottel. 2,972,228.
Williams, Glenn, and Hottel. 2,998,720.
Hotten, Bruce W., to California Research Corp. Diamides of terephthalic acid. 2,971,027, 2–7–61, Cl. 260—558.
Hottendorf, William J., to H & C Engineering Corp. Folding machine for glued flap boxes. 2,986,078, 5–30–61, Cl. 93—52.
Hottenroth, Frederick W. Modulus metered fuel injection system. 2,988,077, 6–13–61, Cl. 123—140.
Hottenroth, Frederick W. Fluid separating valve. 2,988,282, 6–13–61, Cl. 236—58.
Hottenstein, Carl C., to Bethlehem Steel Co. Expansion bolt means with thread means to couple the expansion shell to the bolt. 3,000,254, 9–19–61, Cl. 85—2.4.
Hotton, George R. Mobile tool stand. 2,981,549, 4–25–61, Cl. 280—47.35.
Hot Tops, Inc.: *See*—
Shephard, Harry D., Jr., and Mellott. 3,006,046.
Hotz, Leo F. Filter. 2,968,404, 1–17–61, Cl. 210—334.
Houben, Gerardus M. M., and E. W. Jonker, to N.V. Koninklijke Stearine Kaarsenfabrieken "Gouda-Appolo." Margarine, antispattering substance and method of manufacturing the same. 3,006,772, 10–31–61, Cl. 99—123.
Houck, Melvin J. Drawer track. 2,991,141, 7–4–61, Cl. 312—341.
Houda, James C., Jr., K. F. Johnson, and B. L. Wright, to Western Electric Co., Inc. Apparatus for percussively welding leads to electrical components. 2,986,625, 5–30–61, Cl. 219—95.
Houdaille Industries, Inc.: *See*—
Gies, Paul E. 2,973,060.
Klopfer, Edward L. 2,969,778.
O'Connor, Bernard E., and Whelpley. 2,974,639.
Rumsey, Rollin D. 2,973,061.
Rumsey, Rollin D. 2,974,905.
Rumsey, Rollin D. 2,982,537.
Rumsey, Rollin D. 2,988,056.
Rumsey, Rollin D. 3,001,741.
Rumsey, Rollin D. 3,007,551.
Rumsey, Rollin D., and Carter. 2,997,140.
Schatzman, George W. 2,977,136.
Schott, Arthur K., and Wilson. 2,979,905.
Houde, Jean M. Pitch changing device for string instruments. 3,000,258, 9–19–61, Cl. 84—312.
Houdry, Eugene J., Oxy-Catalyst, Inc. Treatment of waste gas streams. 3,009,513, 11–21–61, Cl. 158—117.5.
Houdry Process Corp.: *See*—
Bond, George R., Jr. 2,982,771.
Bond, George R., Jr. 2,985,595.
Claunch, Charles K., Jr., and Kapp. 3,006,693.
Craig, Robert G., and Stevenson. 2,980,631.
Erner, William E. 3,010,963.
Farkas, Adalbert, and Krause. 2,977,363.
Heinemann, Heinz. 2,985,580.
Heinemann, Heinz, and Milliken. 2,985,579.
Herrick, Elbert C., and Orchin. 2,967,181.
Krause, Jack H. 2,985,658.
Mascioli, Rocco L. 2,977,364.
McEvoy, James E. 2,993,868.
Milliken, Thomas H., Jr. 2,988,518.
Mills, George A., Weller, and Wright. 2,967,089.
Noll, Henry D. 2,983,669.
Noll, Henry D. 2,999,804.
Oakes, Merwin D. 2,979,506.
Orchin, Milton. 2,985,504.
Shalit, Harold. 2,999,736.
Talvenheimo, Gerhardt. 2,967,156.
Talvenheimo, Gerhardt. 2,973,328.
Voltz, Sterling E., and Weller. 2,967,202.
Hough, Edith A. Safety compartment for medicine cabinets. 2,997,354, 8–22–61, Cl. 312—310.
Hough, Frank G., Co., The: *See*—
Granryd, Thorvald G. 2,986,294.
Kampert, Keith W. 3,009,590.
Kampert, Keith W., and Zimmerman. 2,986,292.
Kampert, Keith W., and Zimmerman. 3,014,606.
Konefes, Joseph H. 2,986,293.
Strader, Don S. 2,981,288.
Strader, Don S. 2,994,345.
Strader, Don S. 3,005,410.
Weston, Alvin G. 2,967,726.
Hough, Frank G., R. M. Peterson, and J. R. Treder; said Peterson and said Treder assor. to said Hough. Front end loader. 2,989,199, 6–20–61, Cl. 214—140.
Hough, John W., to The Daniels Co., Contractors, Inc. Dense media system for the separation of sink and float materials. 2,992,732, 7–18–61, Cl. 209—172.5.

Hough, Robert R., and R. Barone, to United States Rubber Co. Glass fibre preforms. 3,002,869, 10–3–61, Cl. 154—43.
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Edwards, Lawrence J., and Hough. 2,993,751.
Houghton, Charles R., to Amercoat Corp. Plastic pipe coupling having an adhesive coated wedge ring. 2,998,269, 8–29–61, Cl. 285—260.
Houghton, Daniel E.: *See*—
Craig, Dwin R., Harmon, Houghton, and Hurley. 2,982,407.
Houghton, Edward W., to Bell Telephone Laboratories, Inc. Electromagnetic wave tuner. 3,002,167, 9–26–61, Cl. 333—83.
Houghton, Peter A., to Marconi's Wireless Telegraph Co. Ltd. Computer devices. 3,000,567, 9–19–61, Cl. 235—186.
Houghton, Richard W.: *See*—
Bartell, William W., Ayoub, Houghton, and Clayton. 2,974,300.
Houghton, Warren W., to General Electric Co. Adjustable blading for fluid flow machines. 2,985,427, 5–23–61, Cl. 253—55.
Hougland, Russell A., to General Electric Co. Integrated hydraulic power actuator. 2,990,144, 6–27–61, Cl. 244—78.
Hougland, Russell A., to General Electric Co. Integrated hydraulic power actuator. 2,990,145, 6–27–61, Cl. 244—78.
Houk, Neil D.: *See*—
Johnson, Kenenth W., and Houk. 2,991,530.
Houldcroft, Peter T., and A. A. Smith, to National Research Development Corp. Welding nozzles. 2,977,457, 3–28–61, Cl. 219—74.
Houlsby, George W., Jr.: *See*—
Shean, Bertram M. 2,972,788.
Wikkerink, Lance. 2,972,778.
Houplain, Marcel E., ½ to Compagnie Industrielle des Procedes Raoul Pictet. Refrigerator system. 2,990,693, 7–4–61, Cl. 62—139.
Housam, Ernest C.: *See*—
Porter, Frederick W. B., Turner, and Housam. 2,983,689.
White, Peter T., and Housam. 3,001,930.
Housam, Ernest C., and R. Lester, to The British Petroleum Co. Ltd. Purification of benzene. 2,976,336, 3–21–61, Cl. 260—674.
House, Frank R., to Anelex Corp. Paper feed for high speed printers. 3,006,520, 10–31–61, Cl. 226—75.
House, Henry A., to E. I. du Pont de Nemours and Co. Process of forming a cured foam rubber layer having a textile fabric embedded therein. 3,007,205, 11–7–61, Cl. 18—53.
House, Hugh L. Collapsible door vise. 2,971,548, 2–14–61, Cl. 144—296.
House, Leroy C. Conveyor mechanism. 2,990,050, 6–27–61, Cl. 198—119.
House, Ronald R., and S. T. Moore, to American Cyanamid Co. Clarification of industrial waters. 2,980,609, 4–18–61, Cl. 210—54.
House, Vern L. Device for use in jumping. 2,997,300, 8–22–61, Cl. 272—59.
Housekeeper, Richard N., to American Cyanamid Co. Melamine-formaldehyde reaction products and process of preparing the same. 2,998,411, 8–29–61, Cl. 260—67.6.
Houser, Charles J.: *See*—
Schroeder, William F., and Houser. 2,968,564.
Houser, Charles J., to National Dairy Products Corp. Shortening. 2,968,562, 1–17–61, Cl. 99—118.
Houser, Charles J., to National Dairy Products Corp. Liquid shortening. 2,968,563, 1–17–61, Cl. 99—118.
Houser, Dwight F., to Statham Instruments, Inc. Thermostat. 2,988,618, 6–13–61, Cl. 200—122.
Houser, Frank C., to Nobles Engineering and Mfg. Co. Floor drying apparatus. 2,989,769, 6–27–61, Cl. 15—353.
Houser, Philip H., and W. L. Shelton, to General Electric Co. Treating agent dispenser system for washing machines. 2,979,936, 4–18–61, Cl. 68—207.
Houser, Vernon B. Attachment for mouthpiece of reed instrument. 2,988,947, 6–20–61, Cl. 84—383.
Housh, C. N.: *See*—
Lee, Harold D. 2,985,963.
Lee, Harold D. 2,991,852.
Houska, Vladimir J.: *See*—
Frissell, Warren J., Jr., and Houska. 2,978,440.
Housman, Bennett: *See*—
Astrahan, Morton M., Batchelor, Housman, Kurkjian, and Sarahan. 3,012,227.
Crowe, James W., and Housman. 2,981,933.
Housman, Richard J., to Cardwell Westinghouse Co. Journal lubricators. 2,994,569, 8–1–61, Cl. 308—87.
Housman, Richard J., to Cardwell Westinghouse Co. Journal lubricators. 3,008,775, 11–14–61, Cl. 308—88.
Houston Engineers, Inc.: *See*—
Webb, Derrel D. 2,978,028.
Webb, Derrel D. 2,987,129.
Webb, Derrel D. 2,988,147.
Webb, Derrel D. 3,004,783.
Webb, Derrel D. 3,005,505.
Houston, Harry H., to International Minerals & Chemical Corp. Solid desiccant. 2,967,153, 1–3–61, Cl. 252—194.
Houston, Harry H., to International Minerals & Chemical Corp. Improving the light reflectance of expanded perlite material. 2,977,240, 3–28–61, Cl. 106—300.
Houston, Maurice D., to Westinghouse Electric Corp. Thermoelectric material and devices. 3,009,977, 11–21–61, Cl. 136—5.
Houston Oil Field Material Co., Inc.: *See*—
Clark, Earnest H., Jr., and Myers. 3,005,507.
Justice, George E. 2,970,859.
Houston, William L., Jr., to Phillips Petroleum Co. Liquid and gas contacting apparatus. 2,979,316, 4–11–61, Cl. 261—114.
Houtcooper, Neil. Twin auger tunneling machine. 2,970,661, 2–7–61, Cl. 175—108.
Hovda, Robert E., to North American Aviation, Inc. Gas discharge valve noise generator. 2,973,513, 2–28–61, Cl. 343—17.7.
Hoven, Alfred C.: *See*—
Barecki, Chester J., Hoven, Nordmark, and Oom. 2,979,117.
Bradley, George C., Hoven, and Nordmark. 2,979,370.
Bradley, George C., Hoven, and Nordmark. 3,008,789.
Hover, Paul B.: *See*—
Hickle, Clyde S., and Hover. 2,980,779.
Hovey, Almon G., to Olin Mathieson Chemical Corp. Liquid polyamide composition and process for preparing same. 3,001,960. 9–26–61, Cl. 260—18.
Hovis, James E.: *See*—
Bloom, Frederick S., and Hovis. 3,000,435.
Furczyk, Alfons A., Henwood, Bloom, and Hovis. 2,980,171.
Hovorka, Jiri, to Tire Safety Inc. Low pressure alarm for pneumatic tires. 2,967,508, 1–10–61, Cl. 116—34.
Hovorka, Jiri, to Hanlon and Goodman Co. Bristle sieving machine. 2,979,362, 4–11–61, Cl. 300—18.
Hovorka, Jiri, to Hanlon and Goodman Co. Apparatus for roughening and spurring artificial filaments. 3,013,364, 12–19–61, Cl. 51—76.
Howa Kogyo Kabushiki-Kaisha: *See*—
Noda, Shozo. 2,988,785.
Howa Sangyo Kabushiki Kaisha: *See*—
Tamada, Kazumi, and Ota. 2,977,775.
Howald, Arthur M., to Glaskyd, Inc. Sulfur-stabilized polyester-containing molding composition. 2,978,434, 4–4–61, Cl. 260—45.7.
Howald, Werner E., to Curtiss-Wright Corp. Circular fuel spray bars. 2,970,438, 2–7–61, Cl. 60—39.74.
Howald, Werner E., to Curtiss-Wright Corp. Converging-diverging nozzle construction. 2,989,845, 6–27–61, Cl. 60—35.6.
Howald, Werner E., to Curtiss-Wright Corp. Lightweight compressor housing construction. 2,994,508, 8–1–61, Cl. 253—78.
Howald, Werner E., and O. Hollerith, to Curtiss-Wright Corp. Self balanced rotor blade. 2,999,668, 9–12–61, Cl. 253—39.15.
Howard, Arthur J.: *See*—
Henderson, John A., and Howard. 2,995,334.
Howard, Bernard, to Teleprinter Corp. Ribbon feed mechanism. 2,972,402, 2–21–61. Cl. 197—165.
Howard, Bernard, to Teleprinter Corp. Keyboard operated telegraph transmitter. 2,977,413, 3–28–61, Cl. 178—17.
Howard, Bernard, and R. M. Hirsch, to Mite Corp. Console with paper support for multiple communications printers. 3,006,985, 10–31–61, Cl. 178—1.
Howard, C. E., Corp.: *See*—
Howard, Cecil E., Sr. 2,992,781.
Howard, Cecil E., Sr., to C. E. Howard Corp. Tank washing device. 2,992,781, 7–18–61, Cl. 239—250.
Howard, Charles N.: *See*—
Graf, Ernst G., and Howard. 2,996,292.
Howard, Clinton B., to Monsanto Chemical Co. Method for making polymeric foundry core or mold. 3,005,245, 10–24–61, Cl. 22—193.
Howard, Donald F., and E. E. Motta, to United States of America, Atomic Energy Commission. Nuclear reactor control system. 2,990,353, 6–27–61, Cl. 204—193.2.
Howard, Edward G., Jr., and W. J. Middleton, to E. I. du Pont de Nemours and Co. Polyfluorothioketones and method of preparing same. 2,970,173, 1–31–61, Cl. 260—607.
Howard Foundry Co.: *See*—
Dalton, Robert F. 2,991,520.
Maxwell, Charles F. 2,976,142.
Howard, Frank A. Safety pneumatic tire. 2,969,824, 1–31–61, Cl. 152—340.
Howard, Frank A. Continuous mechanized production of tubeless tire safety rings. 2,980,161, 4–18–61, Cl. 154—14.
Howard, Frank A., to Minerals & Chemicals Philipp Corp. Tobacco composition including comminuted solid material affixed thereto. 3,012,915, 12–12–61, Cl. 131—17.
Howard, Fred: *See*—
Krebs, Samuel, Howard, Male, and Sumpter. 2,975,904.
Howard, George C., and P. P. Scott, Jr., to Pan American Petroleum Corp. Recovery of lost circulation in a drilling well. Re. 24,942, 2–28–61, Cl. 166—32.
Howard, George J., Jr., and R. L. Smith, to United Aircraft Corp. Retractable and rotatable scanning device. 2,984,834, 5–16–61, Cl. 343—705.
Howard, Harold L., to General Motors Corp. Positive parking brake. 2,974,752, 3–14–61, Cl. 188—69.
Howard Industries, Inc.: *See*—
Bluemink, Gary G. 3,002,794.
Ernst, W. Arthur. 2,982,338.
Howard, James E.: *See*—
Cook, Clifford C., Howard, and Thompson. 2,976,595.
Howell, Robert C. 2,985,341.
Howard, James Y.: *See*—
Craig, Frank S., Howard, and Scheg. 2,975,268.

Howard, Jerome C., J. A. Card, and G. V. Sprague, Jr., to United Shoe Machinery Corp. Sole molding machines. 3,010,127, 11–28–61, Cl. 12—21.

Howard, John A., to Rotary Hoes Ltd. Power-driven cultivating machine or tractor. 2,967,579, 1–10–61, Cl. 180—19.

Howard, John C.: *See*—
Gaddy, William L. 3,012,252.

Howard, John F., to Canadian General Electric Co., Ltd. Thermal device. 3,015,007, 12–26–61, Cl. 200—114.

Howard, John H., to Burroughs Corp. Coded document reader. 2,975,966, 3–21–61, Cl. 235—61.11.

Howard, John H., to Burroughs Corp. Oriented magnetic cores. 2,976,174, 3–21–61, Cl. 117—93.

Howard, John R. Ice vending machines. 2,986,897, 6–6–61, Cl. 62—137.

Howard, Mary E. Portable, collapsible easel. 2,981,231, 4–25–61, Cl. 120—33.

Howard, Paul N. Ladder. 2,989,141, 6–20–61, Cl. 182—216.

Howard Plastics, Inc.: *See*—
Keller, Theodore W., Garvin, and McMillan. 2,968,576.

Howard, Ralph: *See*—
Drake, Herman A., Howard, and Fonken. 3,005,834.

Howard, Stanley R., to Pneumatic Scale Corp., Ltd. Weighing machine. 2,980,251, 4–18–61, Cl. 209—121.

Howard, Walter C. Telescopic mast. 2,983,342, 5–9–61, Cl. 189—26.

Howard, William C., 5% to R. E. Head; 5% to W. D. R. Owen, 5% to C. O. Sandlin, 20% to H. T. Wilson, 20% to D. Pierson, 5% to F. Hernandez, 5% to D. O. Collins, 5% to O. E. Holder, and 5% to E. T. Skinner. Combination piston and turbine engine. 2,994,188, 8–1–61, Cl. 60—13.

Howard, William C., 40% to F. Garcia, 25% to F. Hernandez, 5% to R. C. Ferguson, and 5% to W. D. R. Owen. Fluid drive system. 3,008,531, 11–14–61, Cl. 180—66.

Howatt, Glenn N.: *See*—
Gulton, Edith M., and Howatt. 2,972,180.

Howatt, Glenn N., to Gulton Industries, Inc. Method for calcining or fritting ceramics. 2,974,008, 3–7–61, Cl. 23—51.

Howden, William E., to International Business Machines Corp. Magnetic balanced winding transducer. 3,004,820. 10–17–61, Cl. 346—74.

Howdle, Frederic E., and C. W. Otto, to Cutler-Hammer, Inc. Machine for and method of counting and stacking newspapers and the like. Re. 25,018, 8–8–61, Cl. 93—93.

Howe, Earl E., to Chicago Forging and Mfg. Co. Mandrel swage. 2,972,186, 2–21–61, Cl. 29—516.

Howe, Edwin W.: *See*—
Rumrill, Howard J., and Howe. 3,010,329.

Howe, Eric L.: *See*—
Mackenzie, Kenneth J., Howe, and Roles. 2,993,336.

Howe Folding Furniture, Inc.: *See*—
Howe, Harold. 2,987,834.
Howe, Harold. 3,000,117.

Howe, Harold, to Howe Folding Furniture, Inc. Snowshoe harness. 2,987,834, 6–13–61, Cl. 36—4.5.

Howe, Harold, to Howe Folding Furniture, Inc. Snowshoe harness. 3,000,117, 9–19–61, Cl. 36—4.5.

Howe, James L.: *See*—
Zmuda, Andrew W., and Howe. 2,993,468.

Howe, John R.: *See*—
Bayuk, Robert R., Howe, and Spotz. 2,994,515.

Howe, Milton A., Jr.: *See*—
Selby, Myer S., and Howe. 2,994,424.

Howe, Milton A., Jr., to W. R. Grace & Co. Packaging apparatus. 2,987,860, 6–13–61, Cl. 53—206.

Howe, Ralph S., Jr., to The Fafnir Bearing Co. Anti-wrap bearing seal. 2,967,743, 1–10–61, Cl. 308—187.1.

Howe, Richard C., to The Magnavox Co. Energy converting device. 2,970,545, 2–7–61, Cl. 102—70.2.

Howe, Russell R., to The Keystone Mfg. Co. Mixing apparatus. 2,973,188, 2–28–61, Cl. 259—131.

Howe Sound Co.: *See*—
Erdle, Reiner W., and Feagin. 3,005,244.
Operhall, Theodore, and Schwartz. 3,011,986.
Prange, Charles H. 2,970,073.
Prange, Charles H., Leonard, Soller, and Feagin. 3,010,852.
Zittle, John H. 2,983,340.

Howe, Spencer D., to Hughes Aircraft Co. Method for manufacturing improved magnetic articles. 2,982,678, 5–2–61, Cl. 148—103.

Howe, Spencer D., to Hughes Aircraft Co. Differential torque applying device. 3,002,402, 10–3–61, Cl. 74—766.

Howell, Alun R., and C. E. Moss., to Power Jets (Research and Development) Ltd. Convertible turbo-rocket and ram jet engine. 2,968,146, 1–17–61, Cl. 60—55.6.

Howell, Alun R., and A. N. Smith, to Power Jets (Research and Development) Ltd. Blade elements for turbo machines. 3,002,675, 10–3–61, Cl. 230—116.

Howell, Chester E., Jr., and H. S. Taylor, Jr., to F. M. Howell & Co. Box. 2,980,241, 4–18–61, Cl. 206—45.19.

Howell, David S., to Arlington Aluminum Co. Foldable tripod easel. 2,973,933, 3–7–61, Cl. 248—166.

Howell, Edward D., and J. Green, Jr., to General Electric Co. Can opener mounting structure. 2,979,300, 4–11–61, Cl. 248—146.

Howell, Emory L., to Dayco Corp. Textile fiber drafting apron. 3,011,221, 12–5–61, Cl. 19—131.

Howell, F. M., & Co.: *See*—
Howell, Chester E., Jr., and Taylor. 2,980,241.

Howell, Frederick A. Goggles with attached washing means. 2,971,196, 2–14–61, Cl. 2—14.

Howell, George H., to General Motors Corp. Clamping frame for vacuum forming parts. 2,968,064, 1–17–61, Cl. 18—19.

Howell, Harold C., Jr.: *See*—
Gwilliam, Glenn B., and Howell. 2,971,216.

Howell, Hugh A., and J. L. Jedd, to Oak Mfg. Co. Magnet control apparatus. 2,980,777, 4–18–61, Cl. 200—87.

Howell, Hugh A., and J. L. Jedd, to Oak Mfg. Co. Magnet control means. 2,985,734, 5–23–61, Cl. 200—87.

Howell Instruments, Inc.: *See*—
Howell, John S. 2,993,363.

Howell, Joe H., C. V. Fillman, and A. J. Gallas. Sucker rod shock absorber. 3,013,793, 12–19–61, Cl. 267—1.

Howell, John G., Jr., to Owens-Illinois Glass Co. Fuel oil burner. 2,975,829, 3–21–61, Cl. 158—76.

Howell, John S., to Howell Instruments, Inc. Testing device. 2,993,363, 7–25–61, Cl. 73—1.

Howell, Pat, to Lifetime Metal Building Co. Method of forming metal building elements. 2,986,193, 5–30–61, Cl. 153—7.

Howell, Robert C., to J. H. Howard. Reactor catalyst loader 2,985,341, 5–23–61, Cl. 222—267.

Howell, Robert L.: *See*—
Bixler, John R., and Howell. 3,003,073.

Howell, Sabert N., to Servo Corp. of America. Pyrometer construction. 2,976,730, 3–28–61, Cl. 73—355.

Howell, Sabert N., to Servo Corp. of America. Optical pyrometer. 2,978,589, 4–4–61, Cl. 250—233.

Howell, Sabert N., to Servo Corp. of America. Visible and infrared transmitting lens combination. 2,978,956, 4–11–61, Cl. 88—57.

Howell, Sabert N., to Servo Corp. of America. Model railroad hot-box detector. 3,013,360, 12–19–61, Cl. 46—243.

Howell, William H.: *See*—
Wetmore, Melvin A., and Howell. 2,967,766.

Howell, William H., and H. T. Lyman, to Aladdin Industries Inc. Tuner and method for making same. 3,000,079, 9–19–61, Cl. 29—155.56.

Howell, William L.: *See*—
Hurley, Charles W., and Howell. 2,980,107.

Howell, William L. Electrode. 2,983,273, 5–9–61, Cl. 128—417.

Howells, Joseph A., to Radio Corp. of America. Signal level indicator. 2,972,705, 2–21–61, Cl. 315—135.

Howells, Thomas J.: *See*—
Scheuer, Ernst, and Howells. 2,991,063.

Howenstine, Douglas W., to W. A. Bash Magnetic, Inc. Electrical coil bobbin and method of winding thereon. 3,014,164, 12–19–61, Cl. 317—158.

Hower, James H. Locking mechanism for chair seats. 2,988,192, 6–13–61, Cl. 194—69.

Hower, Wayne F.: *See*—
Ramos, Joe, and Hower. 3,004,598.

Howerton, Hugh K., to American Instrument Co., Inc. Spectro-fluorescence measuring instrument. 2,971,429, 2–14–61, Cl. 88—14.

Howes, Attwood K.: *See*—
Schneider, Kurt R., Howes, and Hein. 3,010,864.

Howes, Edgar T., to United Geophysical Corp. Well logging system. 2,993,553, 7–25–61, Cl. 181—.5.

Howes, John M. Endless tread construction for a snowmobile. 3,011,576, 12–5–61, Cl. 180—5.

Howes, Leslie D., to The Garrett Corp. Combustor with alcohol-water injection. 2,995,895, 8–15–61, Cl. 60—39.55.

Howland, Abner D. Throwaway coffee or tea maker. 2,995,998, 8–15–61, Cl. 99—321.

Howland, Doy W.: *See*—
Unger, Lloyd G., and Howland. 3,010,953.

Howland, Doy W., to Corn Products Co. Curing prolamines. 3,010,917, 11–28–61, Cl. 260—6.

Howland, Louis H.: *See*—
Chambers, Victor S., and Howland. 3,004,938.

Howland, Louis H., and W. W. White, to United States Rubber Co. Butadiene copolymer rubber-silica-protein masterbatch and process of preparation. 3,004,936, 10–17–61, Cl. 260—8.

Howland, Louis H., and W. W. White, to United States Rubber Co. Rubber-zinc silicate masterbatch, and process for preparing same. 3,014,005, 12–19–61, Cl. 260—41.5.

Howland, Louis H., and V. S. Chambers, to United States Rubber Co. Method of increasing the particle size of synthetic rubber latex comprising the incorporation of a polyvinylpyridine resin latex therein. 3,014,040, 12–19–61, Cl. 260—29.7.

Howland, Ward W., to Union Oil Co. of California. Process for preventing corrosion in ferrous systems. 2,973,316, 2–28–61, Cl. 208—228.

Howland, Ward W., to Union Oil Co. of California. Hydrorefining of heavy mineral oils. 2,983,676, 5–9–61, Cl. 208—218.

Howles, Donald A., and J. W. T. Wright, to The British Thomson-Houston Co. Ltd. Electric lamps. 2,999,180, 9–5–61, Cl. 313—318.

Howlett, Thomas W., Jr., and A. R. Meyer, to Union Tank Car Co. Apparatus for contour forming. 2,969,758, 1–31–61, Cl. 113—44.

Howling, Dennis H., to McGraw-Edison Co. Magnetic playback heads. 2,978,545, 4–4–61, Cl. 179—100.2.

Howling, Harold L., and E. S. Shanley, to Arthur D. Little, Inc. Nickel-cobalt separation. 2,977,221, 3–28–61, Cl. 75—108.

Howry, Douglass H., and G. J. Posakony, to Automation Instruments, Inc. Uni-directional ultrasonic transducer. 2,972,068, 2–14–61, Cl. 310—8.2.

Howsmon, John A.: *See*—
Hollihan, John P., Jr., Howsmon, and Sisson. 2,971,816.

Howsmon, John A., to American Viscose Corp. Producing all skin viscose rayon. 2,975,019, 3–14–61, Cl. 18—54.

Howsmon, John A., to American Viscose Corp. Process of producing all skin rayon. 3,009,763, 11–21–61, Cl. 18—54.

Hoxie, Herbert G. Scarifier attachment for bulldozers. 2,993,285, 7–25–61, Cl. 37—145.

Hoxie, Howard M., to Goodrich-Gulf Chemical, Inc. Polymerization of ethylene. 2,970,989, 2–7–61, Cl. 260—94.9.

Hoy, Austin, and Co. Ltd.: *See*—
Proctor, Sidney E. 2,998,235.

Hoyer, Horst G.: *See*—
Handschumaker, Edward, and Hoyer. 2,999,755.

Hoyer, Llewellyn E., to American Brake Shoe Co. Dust guards. 2,982,571, 5–2–61, Cl. 286—6.

Hoyer, Llewellyn E., to American Brake Shoe Co. Dust guard seals. 3,010,741, 11–28–61, Cl. 286—6.

Hoyer, Llewellyn E., and E. R. Gorcyca, to American Brake Shoe Co. Journal lubricator. 2,980,470, 4–18–61, Cl. 308—88.

Hoyer, Llewellyn E., and J. R. L. Santos, to American Brake Shoe Co. Woven fabrics. 2,989,992, 6–27–61, Cl. 139—337.

Hoyer, Llewellyn E., and E. R. Gorcyca, to American Brake Shoe Co. Journal lubricator. 3,004,805, 10–17–61, Cl. 308—88.

Hoyer, Michael G. Automatic lead bullet feeder. 3,002,415, 10–3–61, Cl. 86—45.

Hoyer, Wilmer A.: *See*—
Muench, Nils L., Peters, and Hoyer. 2,998,523.

Hoyer, Wilmer A., and R. C. Rumble, to Jersey Production Research Co. Atomic particle generating device. 2,982,858, 5–2–61, Cl. 250—84.5.

Hoyer, Wilmer A., and R. C. Rumble, to Jersey Production Research Co. Radiation generating device. 3,015,032, 12–26–61, Cl. 250—84.5.

Hoyet, Eugene, and A. E. Junge, to Pittsburgh Plate Glass Co. Polishing apparatus. 2,997,816, 8–29–61, Cl. 51—112.

Hoyle, Gettys D., Jr., and R. Ferguson, to The Terrell Machine Co. Joint nail package. 2,991,477, 7–11–61, Cl. 1—56.

Hoyrup, Sigurd J., to Baljak Corp. Folding box forming machine. 2,997,928, 8–29–61, Cl. 93—51.

Hoyt, Charles H., and J. Kamlet, to Crown Zellerbach Corp. Manufacture of perchloromethyl mercaptan. 3,014,071, 12–19–61, Cl. 260—543.

Hoyt, Clyde W.: *See*—
Thomas, Lucius P., Jr., and Hoyt. 2,989,589.

Hoyt, Clyde W., and L. P. Thomas, Jr., to Radio Corp. of America. Kinescope coupling circuit. 2,995,622, 8–8–61, Cl. 178—7.5.

Hoyt, Earl H., Jr. Archery bow. 2,995,130, 8–8–61, Cl. 124—24.

Hoyt, Howard E., to The Borden Co. Process of coating granules with phenol-aldehyde resin. 2,967,789, 1–10–61, Cl. 117—100.

Hoyt, John M.: *See*—
Bolstad, Archibald N., and Hoyt. 2,996,487.

Hoyt, Robert P., and G. C. Weber, to Richfield Oil Corp. Asphaltic composition. 3,014,809, 12–26–61, Cl. 106—269.

Hozak, Robert F., to Cid Air Structures Co. Door frame and roll-up door mechanism for air locks. 3,006,352, 10–31–61, Cl. 135—1.

Hrabovsky, Joseph V., to Ford Motor Co. Casting of cored machine parts. 2,978,764, 4–11–61, Cl. 22—203.

Hradel, Joseph R., to The Dow Chemical Co. Enhanced organic explosives. 3,012,868, 12–12–61, Cl. 52—7.

Hradel, Joseph R., and H. E. Staadt, to The Dow Chemical Co. Ammonium nitrate explosive composition. 2,992,912, 7–18–61, Cl. 52—14.

Hrbek, George W., to Zenith Radio Corp. Electrode system. 2,983,842, 5–9–61, Cl. 315—16.

Hrebicek, James. Spring suspension with levelling means. 2,989,322, 6–20–61, Cl. 280—124.

Hrebicek, James. Apparatus for determining static and dynamic unbalance. 3,008,327, 11–14–61, Cl. 73—66.

Hribar, Friedrich, to Miehle-Goss-Dexter, Inc. Paper cutting machine with control for spacing device. 2,992,578, 7–18–61, Cl. 83—71.

Hricak, Richard Z. Guide to language study. 3,014,286, 12–26–61, Cl. 35—35.

Hritzay, Daniel: *See*—
Kantrowitz, Arthur R., Brogan, and Hritzay. 2,972,696.

Hrodey, Thomas E.: *See*—
Cruthis, Robert D., Hrodey, and Sieving. 2,976,947.

Hromoko, John, and A. F. Verdesca. Brush. 2,976,554, 3–28–61, Cl. 15—167.

Hruby, Eugene A. Outboard motor clamp safety lock and guard. 2,983,133, 5–9–61, Cl. 70—58.

Hruby, John O., Jr., to Rain Jet Corp. Shower heads. 2,974,877, 3–14–61, Cl. 239—237.

Hruby, John O., Jr., to Rain Jet Corp. Sprinkler. 2,981,481, 4–25–61, Cl. 239—206.

Hruby, John O., Jr., to Rain Jet Corp. Device for discharging fluids from a plurality of supply sources. 3,000,575, 9–19–61, Cl. 239—225.

Hruby, Joseph, P. B. Streich, Sr., and J. L. Tregay, to Charles Bruning Co., Inc. Developer process and apparatus. 2,981,171, 4–25–61, Cl. 95—94.

Hrusch, Louis C., to Cleveland Pneumatic Industries, Inc. Rotary steering motor. 2,974,906, 3–14–61, Cl. 244—50.

Hruz, Frank M.: *See*—
Halden, Frank A., Smiley, and Hruz. 2,991,192.

Hryniszak, Waldemar, to C. A. Parsons & Co. Ltd. Plate type heat exchangers. 2,995,344, 8–8–61, Cl. 257—245.

Hryniszak, Waldemar, to C. A. Parsons & Co. Ltd. Heat exchangers. 3,007,685, 11–7–61, Cl. 261—88.

Hsu, Chih C., and D. Brown, to The Bendix Corp. A.V.C. system for low plate voltage operation. 2,971,163, 2–7–61, Cl. 330—133.

Hsu, Ming C., and R. M. Stallard, to General Motors Corp. Method for severing thermoplastic materials. 2,982,456, 5–2–61, Cl. 225—2.

Hsu, Ming C., and R. M. Stallard, to General Motors Corp. Method for making and embossing decorative articles. 2,991,216, 7–4–61, Cl. 154—125.

Huang, Hsing T., to Chas. Pfizer & Co., Inc. Fermentation process. 2,973,304, 2–28–61, Cl. 195—47.

Huang, Hsing T., to Chas. Pfizer & Co., Inc. Fermentation process. 2,975,105, 3–14–61, Cl. 195—47.

Hub Mfg. Corp., The: *See*—
Burdett, Harold D. 3,009,574.

Hub Stamping and Mfg. Co.: *See*—
Urban, Wilbur J. 2,970,024.

Hub, Wilhelm, to J. M. Voith G.m.b.H. Maschinenfabrik. Blade wheel propeller. 2,988,154, 6–13–61, Cl. 170—146.

Hubacker, Earl F., to Whirlpool Corp. Refrigerant evaporator. 2,986,901, 6–6–61, Cl. 62—276.

Hubacker, Earl F., to Whirlpool Corp. Home appliance. 3,012,410, 12–12–61, Cl. 62—135.

Hubacker, Earl F., and R. M. Lockwood, to Whirlpool Corp. Home appliance, ice maker. 2,990,692, 7–4–61, Cl. 62—71.

Hubbard, Addison W.: *See*—
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Hubbard, Arthur L., to Deere and Co. Cotton picking unit. 2,986,861, 6–6–61, Cl. 56—41.

Hubbard, Arthur L., to Deere & Co. Moistening assembly for cotton picking spindles. 3,004,376, 10–17–61, Cl. 56—41.

Hubbard, Arthur L., to Deere and Co. Clutch device for cotton harvester. 3,005,303, 10–24–61, Cl. 56—41.

Hubbard, Arthur L., to Deere & Co. Doffing mechanism for cotton picker. 3,014,332, 12–26–61, Cl. 56—41.

Hubbard, Chester A., to United-Carr Fastener Corp. Nut with longitudinally extending spring tongue locking member. 3,003,533, 10–10–61, Cl. 151—21.

Hubbard, Dale V. Gage and dial indicator mount. 2,991,969, 7–11–61, Cl. 248—278.

Hubbard, Harold M., and R. W. Sanftner, to E. I. du Pont de Nemours and Co. Method for recovering tungsten trioxide. 2,992,069, 7–11–61, Cl. 23—140.

Hubbard, James R., and S. V. Horecky, to Philco Corp. Washing machine with washing-aid dispenser. 2,979,931, 4–18–61, Cl. 68—12.

Hubbard, Noel K., and D. M. Taylor, to Ohmics Ltd. Method and apparatus for making knitted pile fabrics. 2,971,859, 2–14–61, Cl. 66—84.

Hubbard, Lex W., Jr.: *See*—
Straub, Joseph E., and Hubbard. 2,989,871.

Hubbard, Merle R., to Collins Radio Co. Straight-line-frequency tuner. 3,001,069, 9–19–61, Cl. 250—40.

Hubbard, Noel K., and D. M. Taylor, to Ohmics Ltd. Method and apparatus for manufacturing battery separators. 2,973,398, 2–28–61, Cl. 136—145.

Hubbard, Richard T. Illuminated spirit level. 3,003,054, 10–3–61, Cl. 240—6.44.

Hubbard, Robert L.: *See*—
Gercke, Ferdinand, Hubbard, and Ferrara. 2,974,361.

Hubbard, Robert M., to Boeing Airplane Co. Full-wave magnetic amplifiers. 3,002,145, 9–26–61, Cl. 323—89.

Hubbard, Walter A. Rapid ion extraction—mercury cell. 2,985,570, 5–23–61, Cl. 204—99.

Hubbard, William J.: *See*—
Boicey, James H., and Hubbard. 2,996,416.

Hubbard, William M.: *See*—
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Adams, Edmond, and Hubbard. 2,992,474.

Hubbard, Winchester L.: *See*—
Sundholm, Norman K., and Hubbard. 2,999,810.

Hubbell, Catherine B., and E. V. Pennell, to Castro Convertible Corp. Convertible bed. 2,988,757, 6–20–61, Cl. 5—36.

Hubbell Corp.: *See*—
Boyle, John R. 2,993,348.

Hubbell, Harvey, to Harvey Hubbell, Inc. Means for attaching a wire to a binding plate. 2,968,018, 1–10–61, Cl. 339—95.

Hubbell, Harvey, to Harvey Hubbell, Inc. Overlay for buttons. 2,983,975, 5–16–61, Cl. 24—113.

Hubbell, Harvey, and B. C. Webster, to Harvey Hubbell, Inc. Top wired electrical cap and connector. 2,970,288, 1–31–61, Cl. 339—174.

Hubbell, Harvey, and E. R. Carlson, to Harvey Hubbell, Inc. Weatherproof plate for press switch. 2,984,725, 5–16–61, Cl. 200—168.

Hubbell, Harvey, and J. F. Healy, to Harvey Hubbell, Inc. Duplex receptacle with formed wire contacts. 2,991,443, 7–4–61, Cl. 339—164.

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Duncan, Edward T. 2,976,370.
Healy, Joseph F. 2,968,017.
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Hubbell, Harvey, and Webster. 2,970,288.

Hubby, Laurence M., to Texaco Inc. Automatic well testing system. 3,009,359, 11–21–61, Cl. 73—438.

Hubener, Frank G.: *See*—
Warnock, William K., and Hubener. 2,974,432.

Huber, Adam, to Metallgesellschaft Aktiengesellschaft. Sintering process and apparatus for producing hard pellets. 2,976,029, 3–21–61, Cl. 266—21.

Huber, Charles L.: *See*—
Crumrine, Herbert E., and Huber. 3,009,402.
Crumrine, Herbert E., and Huber. 3,013,526.

Huber, Charles L., and J. Rutkus, Jr., to Xerox Corp. Xerographic fixing apparatus. 3,013,342, 12–19–61, Cl. 34—156.

Huber, Clarence F., and P. F. Thompson, to The Cincinnati Milling Machine Co. Bituminous compositions. 2,996,398, 8–15–61, Cl. 106—269.

Huber, Clarence F., and P. F. Thompson, to The Cincinnati Milling Machine Co. Bituminous compositions. 2,996,399, 8–15–61, Cl. 106—269.

Huber, Frederic R., and L. M. Schenck, to General Aniline & Film Corp. Process for manufacture of N-acyl taurines. 3,013,035, 12–12–61, Cl. 260—401.

Huber, Frederic R., and L. M. Schenck, to General Aniline & Film Corp. Process of preparing N-acyl taurines. 3,013,036, 12–12–61, Cl. 260—401.

Huber, George: *See*—
Druey, Jean, and Huber. 3,014,027.

Huber, George J., to Huber Heating Co., Inc. Water heater. 2,987,061, 6–6–61, Cl. 126—350.

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Williams, Ira. 2,971,822.
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Huber, John A. Cord reel for electrical appliances. 2,979,576, 4–11–61, Cl. 191—12.4.

Huber, John R., to Eastern Rotorcraft Corp. Velocity control mechanism for rope device. 2,976,955, 3–28–61, Cl. 188—65.1.

Huber, John R., to Eastern Rotorcraft Corp. Adjustable securing device. 2,998,225, 8–29–61, Cl. 254—67.

Huber, John R., to Eastern Rotorcraft Corp. Strap type securing apparatus. 2,998,625, 9–5–61, Cl. 24—134.

Huber, Lawrence C. Skylight construction. 3,005,291, 10–24–61, Cl. 50—52.

Huber, Matthew W., to The New York Air Brake Co. Pump. 2,982,216, 5–2–61, Cl. 103—37.

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Huber, Paul E.: *See*—
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Huber, Peter H. Powder-actuated fastener. 2,999,571, 9–12–61, Cl. 189—36.

Huber, Robert, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S.A. Device for starting and stopping free piston machines and in particular free piston auto-generators. 2,990,680, 7–4–61, Cl. 60—14.

Huber, Walter E.: *See*—
Rockoff, Joseph, Waugh, and Huber. 2,991,498.

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Huber, Wilson F., to The Procter & Gamble Co. Method for preparing straight chain hexitol fatty esters. 2,997,493, 8–22–61, Cl. 260—410.6.

Huber, Wilson F., and J. B. Martin, to The Procter & Gamble Co. Method for preparing partial fatty esters of inositol. 2,997,491, 8–22–61, Cl. 260—410.

Hubert, Jean M. A., to Compagnie Francaise de l'Afrique Occidentale. Conveyer systems. 3,013,499, 12–19–61, Cl. 103—82.

Hubert, Warren N., to Dixie Wax Paper Co. Reinforced bag. 2,969,907, 1–31–61, Cl. 229—55.

Huberty, Elmer J., and A. E. Feinberg, to Advance Transformer Co. Apparatus for igniting and operating gaseous discharge devices. 3,003,081, 10–3–61, Cl. 315—257.

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Hübl, Franz, to Kienzle Apparate G.m.b.H. Fluid operated automatic business machine. 2,979,255, 4–11–61, Cl. 235—60.47.

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Hübner, Gerhard, to Wacker-Chemie G.m.b.H. Process for the removal of small quantities of organic acids from monomeric vinyl esters. 2,986,575, 5–30–61, Cl. 260—410.9.

Huch, William F., and J. R. Winckler, to United States of America, Navy. Balloon launching method and apparatus. 2,977,069, 3–28–61, Cl. 244—31.

Huch, William F., E. P. Ney, and J. R. Winckler, to United States of America, Navy. Balloon weigh-off and launching means and method. 2,997,259, 8–22–61, Cl. 244—31.

Huchler, Otto H.: *See*—
Kroeper, Hugo, Wirth, and Huchler. 3,009,951.

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Huck, Alfred J., to Knapp Monarch Co. Jug closure. 2,978,133, 4–4–61, Cl. 215—13.

Huck, Charles M. Folding display rack. 2,996,194, 8–15–61, Cl. 211—179.

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Huck, William F. 3,009,664.
Leonard, George H., and Huck. 2,993,433.

Huck Mfg. Co.: *See*—
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Huck Products Corp.: *See*—
Huck, William F. 3,007,663.

Huck, William F.: *See*—
Leonard, George H., and Huck. 2,993,433.

Huck, William F., to Huck Co. Scanning device for moving webs. 2,971,684, 2–14–61, Cl. 226—124.

Huck, William F. Single rollstand web handling machine. 2,984,429, 5–16–61, Cl. 242—75.1.

Huck, William F. Wiping and polishing device for intaglio printing presses. 2,997,951, 8–29–61, Cl. 101—156.

Huck, William F., to The Brunswick Automatic Pinsetter Corp. Bowling pin changing mechanism. 2,999,690, 9–12–61, Cl. 273—43.

Huck, William F., to Huck Products Corp. Disposable pallets. 3,007,663, 11–7–61, Cl. 248—120.

Huck, William F., to W. F. Huck, d.b.a. Huck Co. Side register control for moving web. 3,009,664, 11–21–61, Cl. 242—57.1.

Huck, William F., and A. J. Albrecht, to The Brunswick Automatic Pinsetter Corp. Pin handling mechanism. 2,967,708, 1–10–61, Cl. 273—43.

Huck, William F., A. J. Albrecht, and D. P. Sanford, to Brunswick Automatic Pinsetter Corp. Automatic pinsetter. 2,973,204, 2–28–61, Cl. 273—43.

Huck, William V., to Minnesota Mining and Mfg. Co. Apparatus for and methods of contacting oxidizable materials. 2,997,405, 8–22–61, Cl. 117—4.

Huckabay, William B., to Socony Mobil Oil Co., Inc. Method and system for continuous seismic surveying. 2,994,397, 8–1–61, Cl. 181—.5.

Huckabay, William B., and C. D. McClure, to Socony Mobil Oil Co., Inc. Submerged strata acoustic probe system. 2,981,357, 4–25–61, Cl. 181—.5

Huckabee, Thad T. Means for smoke-flavoring food. 2,967,023, 1–3–61, Cl. 239—60.

Huckabee, Thad T. Method for treating meat. 3,006,767, 10–31–61, Cl. 99—107.

Huckins, John W., to Chandler-Evans Corp. Metering head control devices. 3,005,464, 10–24–61, Cl. 137—117.

Huckleberry, Charles R., to American Radiator & Standard Sanitary Corp. Damper arrangement for room air conditioner. 2,971,449, 2–14–61, Cl. 98—38.

Huddle, Edwin F., to International Harvester Co. Potato digger. 3,005,498, 10–24–61, Cl. 171—109.

Huddle, Roy A. U., N. J. M. Wilkins, and C. F. Britton. Aluminium alloys. 2,993,784, 7–25–61, Cl. 75—148.

Huddleston, Richard H., Jr., and M. E. Chun, to Halliburton Co. Induction well logging system. 2,997,645, 8–22–61, Cl. 324—6.

Hudec, Eric T. Automatic number transfer from the registers of a calculator. 2,990,114, 6–27–61, Cl. 235—60.4.

Hudgin, Donald E., to Celanese Corp. of America. Resins from unsaturated acetals. 2,974,127, 3–7–61, Cl. 260—88.3.

Hudgin, Donald E., to Celanese Corp. of America. Novel acetals and resins therefrom. 2,974,128, 3–7–61, Cl. 260—88.3.

Hudgin, Donald E., and F. M. Berardinelli, to Celanese Corp. of America. Suspension polymerization. 2,989,505, 6–20–61, Cl. 260—67.

Hudgin, Donald E., and F. M. Berardinelli, to Celanese Corp. of America. Catalytic polymerization. 2,989,506, 6–20–61, Cl. 260—67.

Hudgin, Donald E., and F. M. Berardinelli, to Celanese Corp. of America. Catalytic polymerization process. 2,989,507, 6–20–61, Cl. 260—67.

Hudgin, Donald E., and F. M. Berardinelli, to Celanese Corp. of America. Solution polymerization. 2,989,508, 6–20–61, Cl. 260—67.

Hudgin, Donald E., and F. M. Berardinelli, to Celanese Corp. of America. Trioxane polymer stabilization. 2,989,509, 6–20–61, Cl. 260—67.

Hudgins, Harry R.: *See*—
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Hudgins, John I., to The Bendix Corp. Beam control system for pickup tubes. 2,987,645, 6–6–61, Cl. 315—11.

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Hudson, Charles N., to Sinclair Refining Co. Process for decolorizing petroleum resins and products obtained by adding the decolorized resins to fuel oil. 2,967,816, 1–10–61, Cl. 208—15.
Hudson, Colin M., to United States of America, Army. Liquid fuel catapult. 2,986,072, 5–30–61, Cl. 89—7.
Hudson, Emmit W. Drapery pleat forming device. 2,996,116, 8–15–61, Cl. 160—348.
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Wilson, Christopher L., and Hammon. 2,980,650.
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Hudson, George A., to Mobay Chemical Co. Polyurethane compositon prepared by reacting epoxide resin, polyester and trimethylol propane diisocyanate reaction product in solvent therefor. 3,012,984, 12–12–61, Cl. 260—31.2.
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Hagemeyer, Hugh J., Jr., Hudson, and Mooney. 3,013,082.
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Hudson, Paul A., and C. M. Allred, to United States of America, Commerce. Dry static calorimeter for RF power measurement. 2,995,708, 8–8–61, Cl. 324—106.
Hudson Pulp & Paper Corp.: *See*—
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Herrmann, Edmund P. 3,006,525.
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Taylor, Ruel E., Jr. 3,008,366.
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Hudson, Richard L., to United States of America, Navy. Potting compound consisting of butyl methacrylate polymer, petrolatum and hydrogenated castor oil. 2,979,475, 4–11–61, Cl. 260—23.
Hudson, Robert L., to The Dow Chemical Co. 6-benzoyl-2-cyclohexyl-3-methoxyphenyl benzoate and process of production. 2,967,879, 1–10–61, Cl. 260—476.
Hudson, Robert L., to The Dow Chemical Co. Diacetyl benzophenone and process of preparation. 2,971,030, 2–7–61, Cl. 260—591.
Hudson, Robert L., to The Dow Chemical Co. Methyl 2,3-epoxy-4-ethyl-2-methyloctanoate. 2,993,058, 7–18–61, Cl. 260—348.
Hudson, Robert L., to The Dow Chemical Co. Alkyl esters of substituted 2-alkyl glycidic acids. 3,012,044, 12–5–61, Cl. 260—348.
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Huebner, Charles F., to Ciba Pharmaceutical Products, Inc. Piperazine derivatives. 2,977,362, 3–28–61, Cl. 260—268.
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Huelster, Otto J., to Scovill Mfg. Co. Sheet metal slider. 2,968,078, 1–17–61, Cl. 24—205.14.
Huelster, Otto J., to Scovill Mfg. Co. Three-piece lock slider with lever detent. 2,989,792, 6–27–61, Cl. 24—205.14.
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Huet, André, to Combustion Engineering, Inc. Universal punch for tube bending. 2,966,934, 1–3–61, Cl. 153—48.
Huet, Andre, to Combustion Engineering, Inc. Formation of tube bends. 2,967,348, 1–10–61, Cl. 29—157.
Huet, Andre. Thermal installations. 2,973,749, 3–7–61, Cl. 122—32.
Huet, André. Device for bending tubes. 2,975,820, 3–21–61, Cl. 153—48.
Huet, Andre, to Combustion Engineering, Inc. Formation of bifurcated tubing. 2,976,606, 3–28–61, Cl. 29—157.6.
Huet, André. Thermal heat exchange installation. 2,983,260, 5–9–61, Cl. 122—32.
Huet, André. Method of making tube and wall connections. 2,988,811, 6–20–61, Cl. 29—479.
Huet, André. Tubular evaporator. 2,993,480, 7–25–61, Cl. 122—34.
Huet, André. Heat exchanger tubes. 2,993,682, 7–25–61, Cl. 257—246.
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Huet, Andre. Method of forming a wall from a plurality of tubes. 2,998,640, 9–5–61, Cl. 29—157.4.
Huet, André P. J., to Combustion Engineering, Inc. Manufacture of headers with nipples. 2,983,167, 5–9–61, Cl. 78—1.
Huet, Edward C., to L. O. Darling Co. Modular shelf assembly. 2,975,908, 3–21–61, Cl. 211—136.
Huet, Roger, to Blaw Knox Co. Construction of cast posts, and particularly the construction of concrete struts by means of metallic frames. 3,002,250, 10–3–61, Cl. 25—121.
Huetten, Clarence, H. R. Reeve, and C. R. Reuter, to P. R. Mallory & Co., Inc. Miniature relay. 2,999,916, 9–12–61, Cl. 200—93.
Huetter, Will, to H. van Huellen and A., trading as the firm Niederrheinische Maschinenfabrik Becker and van Huellen. Multi-stage presses. 2,973,790, 3–7–61, Cl. 144—281.
Huey, William G., to General Aniline & Film Corp. Method of reducing nitro-substituted arylides of β-hydroxy carboxylic acids. 3,007,966, 11–7–61, Cl. 260—560.
Huff, Clyde E. Christmas tree base. 2,987,282, 6–6–61, Cl. 248—48.
Huff, George F., to Callery Chemical Co. Purification of diborane. 2,994,586, 8–1–61, Cl. 23—204.
Huff, George F., and J. D. Klicker, to Callery Chemical Corp. Liquid boron containing products. 2,968,540, 1–17–61, Cl 52—.5.
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Huff, James W., and J. H. Bedson, Jr., to Thermoid Co. Method of making molded reinforced corrugated hose. 2,967,563, 1–10–61, Cl. 154—8.
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Hufferd, George H., H. L. Vail, Jr., and R. H. Josephson, to Clevite Corp. Spark source for an internal combustion engine. 3,009,975, 11–21–61, Cl. 123—148.
Huffman, Clifton J., and R. J. Davis, to Kaiser Aluminum & Chemical Corp. Extrusion apparatus. 3,014,583, 12–26–61, Cl. 207—2.
Huffman, Donald D., to Westinghouse Air Brake Co. Dragging equipment detector system. 2,993,117, 7–18–61, Cl. 246—169.
Huffman, Floyd G. Hub structure. 2,978,276, 4–4–61, Cl. 301—1.
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Huffman, Max N., to Lasdon Foundation, Inc. Ethers of 1,3,5,16-estratetraen-3-ol. 2,984,677, 5–16–61, Cl. 260—397.5.
Huffman, Max N., to Lasdon Foundation, Inc. 3β,17β-dialkoxy-5-androsten-16-ols. 2,994,708, 8–1–61, Cl. 260—397.5.
Huffman, Max N., to Lasdon Foundation, Inc. 17α-lower alkyl-2-androsten-17β-ol. 2,996,524, 8–15–61, Cl. 260—397.5.
Huffman, Max N., to Lasdon Foundation, Inc. 1,3,5(10)-estratrien-3,16,17-triol-3-alkenyl ethers. 3,002,009, 9–26–61, Cl. 260—397.5.
Huffman, Max N., to Lasdon Foundation, Inc. 1,3,5(10)6,8-estrapentaen-3,16β,17β triol compounds and process. 3,002,983, 10–3–61, Cl. 260—397.45.
Huffman, Russell I., to Knapp-Monarch Co. Coupling for gas appliance. 2,981,439, 4–25–61, Cl. 220—85.

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Huge, Ernest C., to The Babcock & Wilcox Co. Fluid fuel burner. 3,014,523, 12–26–61, Cl. 158—1.5.
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Hugenholtz, Eduard H., to North American Philips Co., Inc. Transistorized pulse generator. 2,995,669, 8–8–61, Cl. 307—88.5.
Huggenberger, Arnold U. Instrument for measuring mechanical quantities according to the carrier-frequency method. 3,006,185, 10–31–61, Cl. 73—88.5.
Hugger, Norbert J. Tool support for tractor. 2,979,839, 4–18–61, Cl. 37—144.
Huggett, Clayton M., and J. J. Nedwick, to Rohms & Haas Co. Preparation of tris(vinoxy)propane. 2,969,400, 1–24–61, Cl. 260—615.
Huggins, James A., C. C. Voss, and F. W. Grant, to Chrysler Corp. Side loading suburban vehicle. 2,997,336, 8–22–61, Cl. 296—106.
Huggins, Owen R., to Malleable Iron Fittings Co. Cross arm supporting gain. 2,969,859, 1–31–61, Cl. 189—33.
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Hulsh, Sheldon D. Rug cleaning apparatus. 3,011,191, 12–5–61, Cl. 15—49.
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Humbert, Reuben J. Ventilating hood structures. 2,974,663, 3–14–61, Cl. 126—299.
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Hunger, Alfred, J. Kebrle, A. Rossi, and K. Hoffmann, to Ciba Pharmaceutical Products Inc. Certain 1-tert-amino lower alkyl azabenzimidazoles. 3,004,978, 10–17–61, Cl. 260—294.8.
Hunger, Herbert F., and J. E. Wynn, to United States of America, Army. Fuel cell with cation exchange resin membrane as electrolyte. 3,013,098, 12–12–61, Cl. 136—86.
Hungerford, Ernest T., and C. H. Fay, to Shell Oil Co. Electromagnetic earth surveying apparatus. 3,014,177, 12–19–61, Cl. 324—8.
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Hunt, Charles d'A. and D. N. Hanson, to United States of America, Atomic Energy Commission. Rectified absorption method for the separation of hydrogen isotopes. 3,004,628, 10–17–61, Cl. 183—115.
Hunt, David H., and R. W. Richardson, to The Spencer Turbine Co. Floor mounted fixture for permanently installed vacuum cleaning systems. 2,984,856, 5–23–61, Cl. 15—310.
Hunt, Donovan D., 49% to M. S. Murphy. Apparatus for removing a wheel from a pneumatic tire casing. 2,972,375, 2–21–61, Cl. 157—1.2.
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Hunt, Harry C., to American Safety Table Co., Inc. Collar trimming and shaping apparatus. 2,995,279, 8–8–61, Cl. 223—2.
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Hunt, John M., to General Precision Inc. Aircraft flight simulating training apparatus. 2,975,532, 3–21–61, Cl. 35—12.
Hunt, John M., to General Precision Inc. Computer. 2,996,251, 8–15–61, Cl. 235—192.
Hunt, John M., to General Precision Inc. Grounded aircraft trainer. 3,003,250, 10–10–61, Cl. 35—12.
Hunt, John M., and M. W. Crabb, to General Precision Inc. High speed flight simulator apparatus. 3,004,351, 10–17–61, Cl. 35—12.
Hunt, John S.: *See*—
Long, Alan G., and Hunt. 3,013,029.
Hunt, John W., to Pontiac Specialties Mfg. Corp. Nail clipper. 2,999,506, 9–12–61, Cl. 132—75.5.
Hunt, Mack W., to Continental Oil Co. Preparation of trialkylborines. 3,000,962, 9–19–61, Cl. 260—606.5.
Hunt, Reginald J.: *See*—
Fenn, Arthur G., and Hunt. 2,981,110.
Hunt, Richard M.: *See*—
McElroy, Albert D., and Hunt. 2,996,539.
Hunt, Robert A., to Xerox Corp. Powder dispensing apparatus. 3,013,703, 12–19–61, Cl. 222—409.
Hunt, Rodney, Machine Co.: *See*—
Belcher, Harold H. 2,969,879.
Rogers, Henry T., and Liberty. 3,012,301.
Hunt, William C.: *See*—
Singleton, Fred G., and Hunt. 2,999,824.
Hunt, William H. Tool post grinder support with universal angular adjustment. 3,003,295, 10–10–61, Cl. 51—259.

Hunt, Wilson W.: *See*—
Amos, James L., Ludington, and Hunt. 3,004,899.

Hunt, Wilson W., S. G. Ludington, and J. L. Amos, to The Dow Chemical Co. Devolatilizing polymeric compositions. 2,970,089, 1–31–61, Cl. 202—69.

Hunt, Wilson W., S. G. Ludington, and J. L. Amos, to The Dow Chemical Co. Apparatus for devolatilizing. 3,004,900, 10–17–61, Cl. 202—191.

Hunter, Archibald S.: *See*—
Loconti, Joseph D., Davies, Hunter, Coles, and Altamura. 2,978,584.

Hunter, Arthur T., R. C. Patterson, and E. C. Lewis, to Combustion Engineering, Inc. Steam generation. 2,976,853, 3–28–61, Cl. 122—4.

Hunter Associates Laboratory, Inc.: *See*—
Hunter, Richard S., and Lofland. 3,003,388.

Hunter, Austin R., to Kelco Co. Neutral-type instant chiffon pie filling and method of producing same. 2,987,400, 6–6–61, Cl. 99—139.

Hunter, Byron A.: *See*—
Newby, Thomas H., and Hunter. 2,974,169.

Hunter, Charley W., to The Vendo Co. Mechanism for vending cylindrical containers disposed in staggered stack arrangement. 2,980,288, 4–18–61, Cl. 221—67.

Hunter, David U., to Fairchild Engine and Airplane Corp. Surge controller. 2,969,805, 1–31–61, Cl. 137—489.

Hunter, David U., to Fairchild Engine and Airplane Corp. Turbine construction. 2,976,013, 3–21–61, Cl. 253—55.

Hunter, David U., to Fairchild Engine and Airplane Corp. Control device. 2,982,260, 5–2–61, Cl. 121—46.5.
Axial flow centrifugal compressor and surge control system therefor. 2,986,327, 5–30–61, Cl. 230—115.

Hunter, Donald N., to D. Napier & Son Ltd. Impregnated carbon seals. 2,982,671, 5–2–61, Cl. 117—61.

Hunter, Dudley A.: *See*—
Williamson, Robert W. 2,999,526.

Hunter, Edgar D. Wall facing. 3,005,293, 10–24–61, Cl. 50—399.

Hunter, Edward A.: *See*—
Aldridge, Clyde L., and Hunter. 3,014,081.
Ray, Richard L., and Hunter. 2,991,261.

Hunter, Edward A., and A. B. Small, to Esso Research and Engineering Co. Method for stripping a solvent from a rubbery latex. 3,007,852, 11–7–61, Cl. 202—46.

Hunter, Edwin J. Ditch digging machine. 2,979,837, 4–18–61, Cl. 37—94.

Hunter, Edwin J., and L. A. Richards. Remote control valve. 2,980,385, 4–18–61, Cl. 251—25.

Hunter, Edwin L., and A. P. Boudreau. Welding process. 2,980,788, 4–18–61, Cl. 219—78.

Hunter Everett C., to Pittsburgh Steel Co. Reinforcement fabric for concrete structures. 3,010,258, 11–28–61, Cl. 50—388.

Hunter, Frank B. Shuttle valve. 3,008,482, 11–14–61, Cl. 137—113.

Hunter, Hale H., and G. H. Stevens. Fish hook remover. 3,009,280, 11–21–61, Cl. 43—53.5.

Hunter, Herbert T., to DCA Food Industries Inc. Coating apparatus for comestibles. 2,970,563, 2–7–61, Cl. 118—19.

Hunter, James B.: *See*—
Condo, Albert C., Jr., and Hunter. 2,970,105.
Condo, Albert C., Jr., Hunter, and Young. 2,994,595.
Young, William S., Condo, Hunter, and Iserson. 3,007,783.

Hunter, James, Inc.: *See*—
Moody, Alma V., Sr. 2,983,325.

Hunter, James, Machine Co.: *See*—
Morrill, Frank B. 2,981,118.
Rust, Edgar C., Jr. 2,997,888.
Rust, Edgar C., Jr. 3,010,178.

Hunter, Jonathan, to Marchant Research, Inc. Superimposed recording. 2,989,595, 6–20–61, Cl. 179—100.2.

Hunter, Joseph L.: *See*—
Greene, Ernest W., Duke, and Hunter. 2,990,958.

Hunter, Lloyd P., to International Business Machines Corp. Transistor structures and methods of manufacturing same. 2,975,085, 3–14–61, Cl. 148—33.

Hunter, Lloyd P., to International Business Machines Corp. Junction transistor thermostat. 2,996,918, 8–22–61, Cl. 73—362.

Hunter, Lloyd P., to International Business Machines Corp. Formation of P-N junctions. 3,014,819, 12–26–61, Cl. 148—1.5.

Hunter, Melvin J.: *See*—
Brown, Eric D., and Hunter. 2,983,697.

Hunter-Penrose Ltd.: *See*—
Kilminster, Arthur R. 2,968,214.

Hunter, Philip E., G. G. Davison, W. H. Wilkinson, and D. H. Williamson, to Rolls-Royce Ltd. Bladed rotor construction for axial-flow fluid machine. 2,985,426, 5–23–61, Cl. 253—39.15.

Hunter, Richard S., and C. A. Hofland, to Hunter Associates Laboratory, Inc. Color difference measuring instrument. 3,003,388, 10–10–61, Cl. 88—14.

Hunter, Robert F.: *See*—
Davis, Anthony C., and Hunter. 2,986,550.

Hunter, Robert H.: *See*—
Hanje, Abe J. 2,985,359.

Hunter, Robert H., A. J. Hanje, and H. W. Smith, to said Hanje and said Smith assors. to said Hunter. Extension tube torch. 3,001,573, 9–26–61, Cl. 158—33.

Hunter, Robert H., A. J. Hanje, and H. W. Smith, said Hanje and said Smith assors. to said Hunter. Mixer for air and liquid fuel torch. 3,002,551, 10–3–61, Cl. 158—33.

Hunter, William A., to Pettibone Mulliken Corp. Hydraulic indexing mechanism for foundry turntables. 2,967,440, 1–10–61, Cl. 74—817.

Hunter, William C., Jr., W. W. Mower, G. P. Sutton, J. P. Morris, and J. S. Newton, to North American Aviation, Inc. Automatic control of oxidizer and fuel turbopump system for a rocket engine. 2,984,968, 5–23–61, Cl. 60—35.6.

Hunting Aircraft Ltd.: *See*—
Wotton, John, and Webb. 3,007,304.

Hunting Engineering Ltd.: *See*—
Hann, Arthur, Legge, and Richards. 2,999,938.

Hunting Survey Corp. Ltd.: *See*—
Hobrough, Gilbert L. 2,967,954.

Huntingdon Industries Inc.: *See*—
Ullman, John E. 3,004,479.

Huntington, Morgan G., to Pyrochem Corp. Pendant parting petro pyrolysis process. 2,969,226, 1–24–61, Cl. 262—3.

Huntington, Wilbur J., Jr.: *See*—
Scism, William A., Huntington, Lurie, and Sternfeld. 2,994,865.

Huntress, Howard B., to American Brake Shoe Co. Friction couple. 2,992,706, 7–18–61, Cl. 188—74.

Huntress, Howard B., to American Brake Shoe Co. Friction couples. 3,003,588, 10–10–61, Cl. 188—71.

Huntress, Howard B., and T. S. Taylor, to American Brake Shoe Co. Fluid pressure operated hydraulic brake apparatus. 3,009,324, 11–21–61, Cl. 60—54.6.

Huntzicker, Harry N.: *See*—
Wynn, James F., and Huntzicker. 3,005,790.

Hunziker, Hedwig A.: *See*—
Wallimann, Hedwig A. Re. 24,975.

Hunziker, Walter R. Portable prefabricated shelter. 2,982,290, 5–2–61, Cl. 135—1.

Hupert, Julius J.: *See*—
Maciszewski, Arthur H., Hupert, Goldstein, and Szubski. 2,973,491.
Maciszewski, Arthur H., Hupert, Goldstein, and Szubski. 2,976,494.

Hupert, Julius J., and A. B. Przedpelski, to A.R.F. Products. Electrostatic speaker circuit. 2,993,090, 7–18–61, Cl. 179—1.

Hupp Corp.: *See*—
Crider, Thomas G. 3,000,193.
Haag, William H. 3,003,227.
Lubin, Marvin. 2,997,677.
Lubin, Marvin. 3,013,232.
Patrick, Malcolm W. 2,973,033.
Patrick, Malcolm W., and Day. 2,980,104.
Rocard, Yves A., and Bartels. 3,005,970.
Sweedyk, James M., and Gleason. 2,978,973.
Trautman, Walter C. 2,996,999.

Hupp, Edward E., to The Bendix Corp. Power operated hydraulic actuator. 2,997,850, 8–29–61, Cl. 60—54.5.

Huppertz, Josef: *See*—
Habernickel, Valentin, and Huppertz. 3,008,903.

Hurd, Anna M.: *See*—
Hurd, Edwin P. 2,996,337.

Hurd, Dallas T., to General Electric Co. Vinyl-substituted silica aerogels. 2,967,168, 1–3–61, Cl. 260—42.

Hurd, Earnest A. Float device. 3,010,133, 11–28–61, Cl. 15—235.4.

Hurd, Edwin P., deceased, by A. M. Hurd, executrix, to Hurd Lock & Mfg. Co. Wheel cover. 2,996,337, 8–15–61, Cl. 301—37.

Hurd, Edwin P., to Hurd Lock & Mfg. Co. Wheel cover. 3,010,764, 11–28–61, Cl. 301—37.

Hurd, Henry D. Prefabricated pump jack foundation. 2,998,216, 8–29–61, Cl. 248—19.

Hurd Lock & Mfg. Co.: *See*—
Hurd, Edwin P. 2,996,337.
Hurd, Edwin P. 3,010,764.

Hurdel, Thomas D. Applicator for a painted eyebrow shape. 2,998,821, 9–5–61, Cl. 132—88.7.

Hurdle, Howard C., to Moorman Mfg. Co. Pig creep feeder. 2,988,047, 6–13–61, Cl. 119—52.

Hure, Jacques: *See*—
Chauvin, Guy, Coriou, and Hure. 2,987,462.

Hurel, Pierre, to Societe d' Electro-Chime d' Electro-Metallurgie et des Acrieries Electriques d'Ugine. Process of treatment and utilization of acid waste liquors resulting from the production of acrylates and methacrylates. 2,995,435, 8–8–61, Cl. 71—37.

Hurford, Winslow L., to Radio Corp. of America. Shading voltage circuitry. 2,981,793, 4–25–61, Cl. 178—7.2.

Hurka, Rudolph J., Jr.: *See*—
Carothers, John N., and Hurka. 2,976,140.
Carothers, John N., and Hurka. 2,976,141.

Huribut, Douglas H., and W. F. Goodrich. Card printing machine. 2,994,265, 8–1–61, Cl. 101—269.

Huribut, Harold D., Jr., to Bell Telephone Laboratories, Inc. Zero phase marker indicator. 2,972,064, 2–14–61, Cl. 307—88.5.

Huribut Paper Co.: *See*—
Arledter, Hanns F. 2,971,877.

Hurley, Albert B., deceased; S. F. Hurley, administratrix, to Hurley Screen Co., Inc. Multi-section motion picture projection screen. 2,974,566, 3–14–61, Cl. 88—28.9.

Hurley, Charles W.: *See*—
Craig, Dwin R., Harmon, Houghton, and Hurley. 2,982,407.

Hurley, Charles W., and W. L. Howell. Recording sphygmomanometer. 2,980,107, 4–18–61, Cl. 128—205.
Hurley, James R.: *See*—
Rogers, Allen S., Hurley, and Parker. 3,004,603.
Hurley, James R., to Phillips Petroleum Co. Recovery of hydrocarbons by in situ combustion. 2,994,375, 8–1–61, Cl. 166—11.
Hurley, James R., to Phillips Petroleum Co. Process and apparatus for magnetic flow measurement. 3,002,379, 10–3–61, Cl. 73—155.
Hurley, James R., to Phillips Petroleum Co. Method of packing off the annulas between the casing and tubing in a well with a packer fluid. 3,014,528, 12–26–61, Cl. 166—1.
Hurley, James R., and H. Purre, to Phillips Petroleum Co. Inverse in situ combustion process. 3,010,512, 11–28–61, Cl. 166—11.
Hurley, John L., and T. N. Armstrong, Jr., to The International Nickel Co., Inc. Alloy steel. 3,008,820, 11–14–61, Cl. 75—128.
Hurley, Joseph W., to Corning Glass Works. Valve. 2,982,512, 5–2–61, Cl. 251—77.
Hurley, Roy T., and W. R. Litke, to Curtiss-Wright Corp. Propelier driven railway vehicle. 3,007,421, 11–7–61, Cl. 105—66.
Hurley, Sarah F.: *See*—
Hurley, Albert B. 2,974,566.
Hurley Screen Co., Inc.: *See*—
Hurley, Albert B. 2,974,566.
Hurn, Basil A., and G. A. Rudd, to Diamond National Corp. Packages or cartons for eggs and other fragile articles. 2,974,847, 3–14–61, Cl. 229—2.5.
Hurry, James A., to The Gates Rubber Co. Positive drive power transmission belt. 2,984,120, 5–16–61, Cl. 74—231.
Hurschler, Josef, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for transmitting messages via teleprinter exchanges. 2,981,790, 4–25–61, Cl. 178—2.
Hursen, Horace H., to Griffin Wheel Co. Automatic pressure pouring control mechanism. 2,990,592, 7–4–61, Cl. 22—69.
Hursen, Thomas F.: *See*—
McClure, Glenn T., and Hursen. 2,973,841.
McClure, Glenn T., and Hursen. 2,994,565.
McClure, Glenn T., and Hursen. 3,001,832.
Hursen, Thomas F., to Westinghouse Air Brake Co. Brake controlling valve device. 2,992,861, 7–18–61, Cl. 303—33.
Hurst, George S.: *See*—
Auxier, John A., Hurst, and Zedler. 2,974,248.
Hurst, James: *See*—
Barker, George E., and Hurst. 3,002,923.
Zech, John D., and Hurst. 2,996,450.
Hurst, James W., to Phillips Petroleum Co. Horizontal cutter and take-off device. 2,973,549, 3–7–61, Cl. 18—2.
Hurst, Stanley L., and J. J. Ring, to Westinghouse Brake and Signal Co. Ltd. Registry circuits for remote control systems. 2,971,100, 2–7–61, Cl. 307—88.5.
Hurst, Stanley L., E. I. White, and W. E. New, to Westinghouse Brake and Signal Co. Ltd. Electronic counting chains. 2,971,101, 2–7–61, Cl. 307—88.5.
Hurt, Harold R. Horizontal and vertically adjusting means for motor operated cutting tools. 2,972,365, 2–21–61, Cl. 144—134.
Hurt, William C., Jr.: *See*—
Gray, Willard F. M., and Hurt. 2,983,459.
Hurt, William C., Jr., to General Electric Co. Y-shaped magnetc core. 2,974,402, 3–14–61, Cl. 29—155.57.
Hurtle, James E.: *See*—
Williams, Howard J., and Hurtle. 2,987,876.
Hurtle, James E., J. M. Eastman, and A. N. Kitchen, to The Bendix Corp. Temperature-modified exhaust nozzle-scheduling controller for a gas turbine engine. 2,979,889, 4–18–61, Cl. 60—35.6.
Hurtt, Leon E., and H. E. Beach, to The Ryan Aeronautical Co. Synchro static friction eliminator circuit. 3,011,109, 11–28–61, Cl. 318—24.
Hurum, Fredrik J. O. Method and apparatus for treating molten metal. 2,988,444, 6–13–61, Cl. 75—53.
Hurum, Fredrik J. O. Method for making briquettes for the treatment of molten metals and alloys. 2,988,445, 6–13–61, Cl. 75—58.
Hurvitz, Hyman. Spectrum analyzer. 2,967,273, 1–3–61, Cl. 324—77.
Hurvitz, Hyman. Recording spectrum analyzer. 2,967,274, 1–3–61, Cl. 324—77.
Hurvitz, Hyman. Non-scan spectrum analyzer. 2,967,998, 1–10–61, Cl. 324—77.
Hurvitz, Hyman. Double reflex spectrum analyzer. 2,971,155, 2–7–61, Cl. 324—77.
Hurvitz, Hyman. Frequency scanning spectrum analyzers. 2,973,478, 2–28–61, Cl. 324—77.
Hurvitz, Hyman. Frequency scanning spectrum analyzers. 2,994,036, 7–25–61, Cl. 324—77.
Hurvitz, Hyman. Suction amplifier. 3,001,539, 9–26–61, Cl. 137—83.
Hurvitz, Hyman. Bounded jet fluid amplifiers. 3,004,547. 10–17–61, Cl. 137—83.
Hurvitz, Hyman. Automatic electronic organ. 3,011,378, 12–5–61, Cl. 84—1.02.
Hurvitz, Hyman. Frequency coincidence detector. 3,012,200, 12–5–61, Cl. 328—184.
Hurwitz, Dan N. Navigational computer and plotter. 3,013,337, 12–19–61, Cl. 33—75.
Hurwitz, Marvin J., A. M. Craig, Jr., and E. M. Beavers, to Rohm & Haas Co. Esters of pentaerythritols and vinyl chloride resin composition plasticized therewith. 2,975,152, 3–14–61, Cl. 260—31.6.
Hurwitz, Marvin J., and E. M. Beavers, to Rohm & Haas Co. Hydrophilic polyester-urethane cellular products and method of preparing same. 2,990,378, 6–27–61, Cl. 260—2.5.
Hurwitz, Marvin J., and R. Zdanowski, to Rohm & Haas Co. Cellular polyurethanes prepared from amino glycol based polyesters. 3,003,977, 10–10–61, Cl. 260—2.5.
Hurwitz, Melvin D., to Rohm & Haas Co. Thermosettable compositions of methyl methacrylate, methacrylic acid, and aminoplast condensate, process of making same, and articles obtained. 2,978,433, 4–4–61, Cl. 260—45.2.
Hurwitz, Melvin D., to Rohm & Haas Co. Compositions, textiles treated therewith and processes for the treatment thereof. 3,002,859, 10–3–61, Cl. 117—143.
Husby, Donald E., to Westinghouse Electric Corp. Luminaire. 2,974,219, 3–7–61, Cl. 240—25.
Husby, Donald E., and T. A. Jentner, to Westinghouse Electric Corp. Luminaire. 2,970,222, 1–31–61, Cl. 250—239.
Huse, Arthur E.: *See*—
Nystrom, Carl H., and Huse. 2,969.085.
Huser, Richard J., to The Western States Machine Co. Overriding loading control for centrifugal machines. 3,011,641, 12–5–61, Cl. 210—97.
Hushek, Daniel J. Paper address plate. 2,999,457, 9–12–61, Cl. 101—369.
Husimi, Kazuo: *See*—
Kiyasu, Zen-iti, Husimi, and Yamanaka. 2,969,497.
Huska, Paul. Operating mechanism for valves and the like. 2,996,049, 8–15–61, Cl. 121—97.
Huska, Paul. Continuous flow rotary selector valve. 2,996,083, 8–15–61, Cl. 137—625.11.
Huskey, Harry D. Binary digital computer with magnetic drum storage. 2,982,472, 5–2–61, Cl. 235—167.
Husko, Waino L.: *See*—
Gilson, Joseph H., and Husko. 2,992,042.
Husky Oil Co.: *See*—
Odasz, Frank B., Jr., and Hartwig. 3,010,926.
Odasz, Frank B., Jr., and Hartwig. 3,010,927.
Odasz, Frank B., Jr., and Hartwig. 3,010,928.
Husqvarna Vapenfabriks Aktiebolag: *See*—
Eriksson, Allan H. 2,969,756.
Eriksson, Allan H. 2,986,107.
Huss, Julius L., to Emhart Mfg. Co. Glass feeder combination front spout cover, burner block and burner assembly. 2,990,649, 7–4–61, Cl. 49—55.
Huss, William S.: *See*—
Jones, Vincent C., Huss, and Krueger. 3,010,670.
Huss, William S., and M. W. Kuchenbecker, to American Can Co. Dispensing carton. 2,974,852, 3–14–61, Cl. 229—51.
Hussey, John J. Ladder pad. 2,993,562, 7–25–61, Cl. 182—214.
Hussey, John J. Safety assist frame. 3,011,179, 12–5–61, Cl. 4—254.
Hussey, Luther W., to Bell Telephone Laboratories, Inc. Ringing tone generator. 2,980,863, 4–18–61, Cl. 331—56.
Husted, Donald R., to Minnesota Mining and Mfg. Co. Fluorinated carbinoxysilanes and polymers thereof. 2,993,925. 7–25–61, Cl. 260—448.8.
Husted, Hoyt L., and C. E. Miller, Jr., to North American Aviation, Inc. Bidirectional electronic counter. 3,015,064, 12–26–61, Cl. 324—83.
Husted, Lawrence E., to American Machine and Metals, Inc. Ratchet device. 2,976,959, 3–28–61, Cl. 188—82.7.
Huston, Clyde E., Jr., 25% each to B. A. Lehner, A. J. Scudere, and J. G. Markos. Toy airplane. 3,010,250, 11–28–61, Cl. 46—79.
Huston, Milton D.: *See*—
Breese, James L., and Huston. 2,966,941.
Breese, James L., and Huston. 2,966,942.
Huston, Norman E., R. G. Hoff, and C. W. Wheelock, to United States of America, Atomic Energy Commission. Method and apparatus for reactor safety control. 2,987,455, 6–6–61, Cl. 204—154.2.
Huston, Sanford K., and T. L. Anderton. Skylight. 2,968,263, 1–17–61, Cl. 108—16.
Hutch, Harry L., to General Tire & Rubber Co. Procesa of making a dual chamber pneumatic tire and the tire so made. 3,004,579, 10–17–61, Cl. 152—342.
Hutch Mfg. Co.: *See*—
Weaver, Earl W. 2,971,789.
Hutchens, Charles T. Mechanism for steering tandem wheels of a tractor trailer assembly. 2,968,495, 1–17–61, Cl. 280—426.
Hutchens, Frederick L., and J. W. Ingels, to United States of America, Navy. Infrared range finder. 3,014,131, 12–19–61, Cl. 250—83.3.
Hutchens, J. K. Support structure for dirigible wheel. 2,987,322, 6–6–61, Cl. 280—96.3.
Hutchings, Imri J.: *See*—
Stimpson, Robert H., and Hutchings. 2,999,024.
Hutchings, Le Roi E.: *See*—
Blum, Edmund D., and Hutchings. 2,978,520.
Martinek, Thomas W., Hutchings, and Remes. 3,003,005.
Hutchings, Le Roi E., to The Pure Oil Co. Wave shield. 2,994,201, 8–1–61, Cl. 61—5.
Hutchings, Le Roi E., W. A. Krewer, and N. L. Remes, to The Pure Oil Co. Extraction process. 2,983,766, 5–9–61, Cl. 260—674.

Hutchinson, Charles R.: *See*—
Gaulke, Arthur W., and Hutchinson. 2,981,407.
Van Antwerpen, Lloyd D., Gaulke, and Hutchinson. 2,984,343.
Hutchinson, David A.: *See*—
Swanson, Walter S., Hutchinson, and Bert. 2,969,001.
Hutchinson, Ernest J.: *See*—
Bellinger, Ronald, Hutchinson, and Shipley. 2,981,422.
Hutchinson, Irving N.: *See*—
Osder, Stephen S., and Hutchinson. 3,008,077.
Hutchinson, Roland V., L. M. Forbush, J. M. Winston, and W. H. Zimmerman, to General Motors Corp. Drive shaft power actuator for hydraulic brakes. 2,986,237, 5–30–61, Cl. 188—140.
Hutchinson, William M.: *See*—
Long, Franklin A., Hutchinson, and Thomas. 3,014,796.
Hutchinson, William M., and C. A. Uraneck, to Phillips Petroleum Co. Potting composition comprising a butadiene-divinyl-benzene copolymer in admixture with a butadiene-2-methyl-5-vinylpyridine copolymer and process of making same. 2,978,429, 4–4–61, Cl. 260—30.8.
Hutchison, Billy J. Illuminated inserts for spot bowling. 2,990,177, 6–27–61, Cl. 273—51.
Hutchison, Charles B., to Petrolite Corp. Corrosion prevention agent. 2,995,603, 8–8–61, Cl. 260—557.
Hutchison, James R., to Rohr Aircraft Corp. Fastener sealing device. 2,986,244, 5–30–61, Cl. 189—36.
Hutchison, Miller R., Jr., R. F. O'Brien, and E. S. Marvin, to Eastman Kodak Co. Automatic exposure control system for photographic cameras. 2,999,441, 9–12–61, Cl. 95—10.
Hutchison, Shelton M. Gravity feed coin bank. 3,002,313, 10–3–61, Cl. 46—3.
Hutchison, William V. Ditch digger. 2,995,843, 8–15–61, Cl. 37—86.
Huth, John H., to The Rand Corp. Solar cell and method of making. 2,993,945, 7–25–61, Cl. 136—89.
Huthsing, Charles K., Sr., to General Fire Extinguisher Corp. Valve structure. 2,976,010, 3–21–61, Cl. 251—333.
Huthsing, Charles K., Sr. Fire extinguisher discharge valve assembly. 3,011,514, 12–5–61, Cl. 137—328.
Hutson, Thomas, Jr., and K. E. Walker, to Phillips Petroleum Co. Stabilization of hydrocarbon-aluminum halide catalyst. 2,982,801, 5–2–61, Cl. 260—683.57.
Hutt, Clyde B. Adjustable height bed. 2,985,891, 5–30–61, Cl. 5—11.
Hutt, Percy H., to The Easy Washing Machine Co., Ltd. Clothes washing machine. 2,969,172, 1–24–61, Cl. 233—24.
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Monk, Philip R., Green, and Hutt. 3,014,508.
Hutt, Stanley D., D. M. Smyth, and M. F. Stefanski, to Sprague Electric Co. Battery cell and method of manufacture. 2,968,687, 1–17–61, Cl. 136—87.
Hüttenwerk Oberhausen, Aktiengesellschaft: *See*—
Graef, Rudolf, and Schmolke. 3,010,820.
Graef, Rudolf F., and von Bogdany. 2,977,217.
Meier-Ebert, Heinz. 2,985,051.
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Hutter, Clemens A.: *See*—
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Hutter, Ernest: *See*—
Monson, Harry, and Hutter. 2,991,905.
Hutter, George L.: *See*—
Hook, Albert S., Goodman, and Hutter. 2,977,178.
Hutter, James F., and L. Kelly, to K & H Equipment Ltd. Method and apparatus for sorting materials. 3,011,634, 12–5–61, Cl. 209—74.
Hutter, Will, to Niederrheinische Maschinenfabrik, Becker & Van Hullen. Plant for the fabrication of chipboards or similar construction materials by means of an intermittent working single story press. 3,005,230, 10–24–61, Cl. 18—4.
Hutters, Eugene W., to Hughes Aircraft Co. Electrical component mounting device. 3,002,481, 10–3–61, Cl. 113—110.
Hüttner, Rudolf: *See*—
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Hutto, Edwin L., to United States of America, Atomic Energy Commission. Remotely operated manipulator. 2,996,330, 8–15–61, Cl. 294—88.
Hutto, James B.: *See*—
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Hutto, John F., to Phillips Petroleum Co. Alkylation process. 3,004,088, 10–10–61, Cl. 260—683.42.
Hutto, John F., to Phillips Petroleum Co. N-butane rejection in HF alkylation. 3,004,089, 10–10–61, Cl. 260—683.48.
Hutton, Don G.: *See*—
Wilson, Christopher L., and Hutton. 3,012,977.
Hutton, Harry T., Jr., to Air Reduction Co., Inc. Carbon dioxide pressure reducing method and apparatus. 3,001,374, 9–26–61, Cl. 62—50.
Hutton, Leland H. Oxygen lances for open-hearth furnaces and the like. 2,979,270, 4–11–61, Cl. 239—132.
Hutton, Philip C., to Silentbloc Ltd. Flexible mountings for pivotal joints. 2,993,715, 7–25–61, Cl. 287—85.
Hutton, Samerill B. Simulated Christmas tree. 2,988,837, 6–20–61, Cl. 41—15.
Hutzelman, Howard E., to Applied Research Corp. Check protector. 2,975,702, 3–21–61, Cl. 101—99.
Hutzelman, Howard E., to Corry-Jamestown Mfg. Corp. Caps for posts of free standing partitions. 2,998,110, 8–29–61, Cl. 189—42.
Huyck, Willard M., and V. A. Romito, to Aseptic Thermo Indicator Co. Telltale for ethylene oxide sterilization. 2,998,306, 8–29–61, Cl. 23—254.
Huyck, Willard M., and V. A. Romito, to Aseptic Thermo Indicator Co. Telltale for overheated blood storage containers and the like. 3,006,313, 10–31–61, Cl. 116—114.
Huxtable, Ruth L., to American Telephone and Telegraph Co. Impedance-matching network. 2,978,542, 4–4–61, Cl. 178—45.
Huyett, Daniel D., to Atlas Powder Co. Plug slitting and wire insertion apparatus. 2,966,820, 1–3–61, Cl. 83—146.
Huys, Roger F., and S. P. Hendricx, to Gevaert Photo-Producten N.V. Manufacture of photographic films. 2,984,569, 5–16–61, Cl. 96—87.
Huyser, Francis C., and C. F. Pearson, to American Machine and Metals, Inc. Load indicator for testing machine. 3,007,335, 11–7–61, Cl. 73—88.
Hvam, Hjalmar. Toe holding device for skis. 2,994,543, 8–1–61, Cl. 280—11.35.
Hwa, Jesse C. H., to Rohm & Haas Co. Vinyl thiocyanate and polymers thereof. 3,010,947, 11–28–61, Cl. 260—79.7.
Hwa, Jesse C. H., C. H. McBurney, and E. F. Meitzner, to Rohm & Haas Co. Liquid enrichment and/or separation by absorption processes. 2,974,178, 3–7–61, Cl. 260—674.
Hyatt, Arthur J., to Dictaphone Corp. Apparatus for positioning and scanning a transducer head over a grooveless record. 2,974,960, 3–14–61, Cl. 274—4.
Hyatt, Philip L.: *See*—
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Hycon Mfg. Co.: *See*—
Heftye, Rudolph T., Summers, and Weiss. 3,007,383.
Leighton, Thomas C. 2,967,430.
Leighton, Thomas C., and Nuut. 3,004,464.
Prentice, Russell E. 2,980,004.
Rosenblum, Philip. 3,007,368.
Hyde, Clyde C., to James Lees and Sons Co. Skim wire stop motion for needle-type pile looms. 3,008,495, 11–14–61, Cl. 139—336.
Hyde, Dayton O. Barbed wire dispensing and reeling device. 3,005,600, 10–24–61, Cl. 242—94.
Hyde, Earl K., L. I. Katzin, and M. J. Wolf, to United States of America, Atomic Energy Commission. Solvent extraction process for protactinium. 2,978,294, 4–4–61, Cl. 23—14.5.
Hyde, Floyd D., to Inventors Development Co. Hydropneumatic working head for plunger pumps. 2,972,863, 2–28–61, Cl. 60—51.
Hyde, Floyd D. Automatic fluid powered gun. 3,000,371, 9–19–61, Cl. 124—11.
Hyde, James F., to Dow Corning Corp. Siloxane aluminum compounds. 3,002,986, 10–3–61, Cl. 260—448.
Hyde, John A. C., to Orenda Engines Ltd. Support structure for gas turbine bearings. 2,977,160, 3–28–61, Cl 308—178.
Hyde, John A. C., to Orenua Engines Ltd. Valve structure. 2,993,513, 7–25–61, Cl. 137—625.11.
Hyde, John P., to Diamond Alkali Co. Preparation for the production of alkali metal silicates. 2,970,038, 1–31–61, Cl. 23—110.
Hyde, Richard W., to Arthur D. Little, Inc. Refining of ores with hydrocarbon gases. 2,990,269, 6–27–61, Cl. 75—26.
Hyde, Robert W., to American Radiator & Standard Sanitary Corp. Housing for garbage disposer. 2,977,054, 3–28–61 ,Cl. 241—46.
Hyde, Robert W., to American Radiator & Standard Sanitary Corp. Drain trough garbage disposer unit. 2,981,488, 4–25–61, Cl. 241—245.
Hyde, Robert W., to American Radiator & Standard Sanitary Corp. Shower head. 2,990,123. 6–27–61, Cl. 239—453.
Hyde, Robert W., to American Radiator Standard Sanitary Corp. Sink stoppers. 3,005,996, 10–31–61, Cl. 4—295.
Hyde, Walter L., to American Optical Co. Periscopic optical system. 2,992,593. 7–18–61, Cl. 88—70.
Hyde, Walter L., to American Optical Co. Optical height finders. 3,000,256, 9–19–61, Cl. 88—1.
Hyde, Walter L., to American Optical Co. Optical system. 3,001,449, 9–26–61, Cl. 88—86.
Hyde, Walter L., to American Optical Co. Rear vision optical system. 3,001,450, 9–26–61. Cl. 88—86.
Hyde, Walter L., and E. F. Tubbs, to American Optical Co. Polarimeters. 2,976,764. 3–28–61, Cl. 88—14.
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Hydraulic Developments Ltd.: *See*—
Dolphin, John R. V. 2,975,850.
Hydraulic Engineering, Inc.: *See*—
Born, Raymond W. 2,984,072.
Hydraulic Unit Specialties Co.: *See*—
Tennis, Francis H. 2,980,135.
Hydraulik A/S: *See*—
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Hildre, Hans. 3,013,577.
Hydrauliska Industri Aktiebolaget: *See*—
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Hydrick, Julius C., Jr., to H. K. Porter Co. Inc. Method of continuously producing reinforced hose. 2,974,713, 3–14–61, Cl. 154—8.
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Knox, Granville S. 2,986,371.
Knox, Granville S. 2,992,028.
MacArthur, Melvin D. 2,992,019.

Hydro, William R.: *See*—
Christenson, Roger M., Wismer, and Hydro. 3,001,972.
Wismer, Marco, and Hydro. 3,004,073.
Hydro-Aire Co.: *See*—
Leighton, Francis. 3,010,469.
Leighton, Francis, and Herman. 2,992,630.
Hydrocarbon Research, Inc.: *See*—
Chervenak, Michael C. 2,987,468.
Cicalese, Michael J. 2,973,834.
Ehrlich, Stanley W., and Sze. 2,970,451.
Garbo, Paul W. 2,979,390.
Johanson, Edwin S. 2,987,465.
Keith, Percival C. 2,995,426.
Keith, Percival C., and Layng. 2,987,467.
Sze, Morgan C. 2,990,436.
Turken, Marvin. 2,987,470.
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Jansson, Axel J. 3,010,283.
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Hyler, John H., W. E. Lott, and E. W. Spannhake, to LeTourneau-Westinghouse Co. Load responsive track tensioning device. 2,998,998, 9–5–61, Cl. 305—31.
Hyman, Alvin. Nursing bottle holder. 2,989,278, 6–20–61, Cl. 248—106.
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Hyman, Benjamin M., to International Harvester Co. Corn picker. 2,974,466, 3–14–61, Cl. 56—18.
Hyman, Benjamin M., and E. K. Karlsson, to International Harvester Co. Counter-balanced double sickle bar for mowers. 2,989,832, 6–27–61, Cl. 56—25.
Hyman, Herbert H., and J. J. Katz, to United States of America, Atomic Energy Commission. Heterogeneous nuclear reactor employing small unclad bodies of fissionable material as fuel. 2,983,658, 5–9–61, Cl. 204—154.2.
Hyman, Julian. Packing of edible commodities. 3,004,657, 10–17–61, Cl. 206—45.34.
Hyman, Martin. Bedframe structure. 2,978,711, 4–11–61, Cl. 5—279.
Hymans, Harold, and J. Devlet-Muraz, to United States of America, Navy. Oscillation or inertia damper. 3,001,419, 9–26–61, Cl. 74—574.
Hymer, Donald L. Gauge for measuring the outlet diameter of internally tapered elements. 2,979,824, 4–18–61, Cl. 33—143.
Hynes, Dibrell P.: *See*—
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Hynes, Don A., to Calmar, Inc. Lock for container covers. 2,994,447, 8–1–61, Cl. 215—9.
Hyrne, Clarence F. Wrapping machine. 2,977,735, 4–4–61, Cl. 53—198.
Hyrne, Edward E., to Western Electric Co., Inc. Automatic alternating current bridge. 2,972,106, 2–14–61, Cl. 324—57.
Hysko, John L.: *See*—
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Hysler, John F.: *See*—
Legatti, Raymond H., and Hysler. 2,998,569.
Hysler, John F., to Electric Regulator Corp. Frequency regulation system for generators. 2,969,467, 1–24–61, Cl. 307—57.
Hysler, John F., to Electric Regulator Corp. Dual-mode excitation system for exciter-excited generator. 2,983,861, 5–9–61, Cl. 322—28.
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Hyster, Alex J. Ditching attachment for chain saws. 2,991,571, 7–11–61, Cl. 37—191.
Hyster Co.: *See*—
Ehmann, Leslie G. Re. 24,958.
Olson, John E. 2,987,140.
Ross, Cecil J., Jr. 2,968,967.
I.C.P.M. S.p.A. Industrie Chimiche Porto Marghera: *See*—
Zanon, Domenico, and Trupiano. 2,991,155.
I.D.L. Inc.: *See*—
Murray, Hugh A., Sr. 2,991,699.
I.R.C. Ltd.: *See*—
Fehling, Hans R. 3,000,090.
I-T-E Circuit Breaker Co.: *See*—
Bates, Arthur C., and Crowe. 2,978,560.
Berchtold, Max. 2,970,745.
Berchtold, Max. 3,011,487.
Berchtold, Max, and Abrams. 3,012,708.
Bodenschatz, August, and Giessner. 3,009,029.
Bowman, David F. 2,990,545.
Brugger, Hans. 2,992,716.
Caswell, Arthur S. 2,978,559.
Cataldo, John B. 3,001,037.
Cataldo, John B. 3,012,218.
Clausing, Challiss I. 2,986,618.
Davis, Russell S., and Crall. 2,985,710.
Diebold, Edward J. 2,971,130.
Diebold, Edward J. 2,971,146.
Diebold, Edward J. 2,971,148.
Diebold, Edward J. 2,978,628.
Diebold, Edward J. 2,989,161.
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Dortort, Isadore K. 2,994,028.
Dortort, Isadore K. 3,013,200.
Edmunds, William H. 2,976,385.
Edmunds, William H. 2,982,834.
Edmunds, William H. 2,986,676.
Edmunds, William H. 3,012,118.
Heberlein, Gustave E., and Carter. 2,996,592.
Herrmann, John A., Farnsworth, and Davis. 2,968,782.
Herrmann, John A., Farnsworth, and Stiner. 2,969,438.
Hicks, Bruce C. 3,012,121.
Higgins, Louis W. 2,968,690.
Jensen, Otto, and Dortort. 2,996,626.
Leonard, James H. 2,989,605.
Matthews, George A. 2,977,439.
Myers, Felix E. 2,996,589.
Nimylowycz, Osyp. 2,975,253.
Poulton, Wilson W., Jr. 3,009,087.
Scott, William M., Jr. 2,969,421.
Scott, William M., Jr. 3,002,130.
Scott, William M., Jr. 3,009,039.
Sori, Salvatore. 2,967,287.
Vogelsberg, Walter H. 3,005,934.
Wiedmann, Ludwig, and Fischer. 2,966,975.
Wiedmann, Ludwig, and Thielmann. 2,969,134.
Yarrick, Charles J. 3,005,892.
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Iannuzzi, William P.: *See*—
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Ibe, Gerhard: *See*—
Assmus, Fritz, Boll, Detert, Ganz, Ibe, and Pfeifer. 2,992,952.
Ibis Enterprises Ltd.: *See*—
Dick, George M. 3,011,569.
Iblings, Glenn R. Traction device. 2,977,158, 3–28–61, Cl. 305—35.
Ice-Crafter (Liquidating) Trust: *See*—
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Ichikawa, Kaname. Lighter. 2,979,929, 4–18–61, Cl. 67—7.1.
Ichiwaka, Kaname. Lighter. 2,979,930, 4–18–61, Cl. 67—7.1.
Ichikawa, Yoshio, to Westinghouse Electric Corp. Thermistors. 2,976,505, 3–21–61, Cl. 338—22.
Ichikawa, Yoshio, to Westinghouse Electric Corp. Positive temperature coefficient thermistor materials. 2,981,699, 4–25–61, Cl. 252—520.
Ida, Tadao, to Tanabe Seiyaku Co., Ltd. Sealing coat for tablets and similar articles. 2,976,214, 3–21–61, Cl. 167—82.
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Ideal Aeroplane & Supply Co., Inc.: *See*—
Longarzo, Roland P., and Kramer. 2,990,636.
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Lyons, Donald H. 3,010,608.
Ideal Industries, Inc.: *See*—
Minobe, Mickey M. 2,989,164.
Schinske, William G. 3,001,002.
Whitehurst, Joe R. 2,975,489.
Whitehurst, Marcus G. 2,979,783.

Ideal Machine Shops, Inc.: *See*—
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Ideal Mfg. Co.: *See*—
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Ideal Pleating Co.: *See*—
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Ideal Seating Co.: *See*—
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Idol, James D., Jr., A. J. Tiffan, and E. J. Beals, to The Standard Oil Co. Acrylonitrile recovery process. 3,005,517, 10–24–61. Cl. 183—115.
Ieda, Tokutaro, R. Kojima, and M. Yokota, to Kabushiki Kaisha Koparu Koki Seisakusho (known as Copal Koki Co., Ltd.). Photographic camera shutter actuating mechanism. 3,008,395, 11–14–61, Cl. 95—11.5.
Igelbrinck, Robert: *See*—
Reuter, Franz G., and Igelbrinck. 2,999,717.
Ignicel-Societe Anonyme: *See*—
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Ihde, Frederick J., Jr., to Nopco Chemical Co. Siliceous amino compounds and lubricating grease containing same. 2,967,828, 1–10–61, Cl. 252—49.7.
Ihle, Dan. M., to General Electric Co. Oscillographic recorder. 3,004,728, 10–17–61, Cl. 242—55.11.
Ihmig, Rudolf, to Alweg-Forschung, Gesellschaft mit beschrankter Haftung. Transportation systems. 2,997,892, 4–4–61, Cl. 104—26.
Ihnat, Michael E., to General Electric Co. Thermocouple. 3,007,990, 11–7–61, Cl. 136—5.
Ihrig, Clifford D., to Westinghouse Air Brake Co. Railway traffic controlling apparatus. 2,991,352, 7–4–61, Cl. 246—34.
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Ikeda, Carol K., to E. I. du Pont de Nemours and Co. Chemical compounds. 3,010,918, 11–28–61, Cl. 260—17.
Ikeda, Carol K., to E. I. du Pont de Nemonrs and Co. Chemical compounds. 3,010,923, 11–28–61, Cl. 26—23.
Ikeda, Carol K., to E. I. du Pont de Nemours and Co. Air-drying anti-corrosion paints for metal protection. 3,010,924, 11–28–61, Cl. 260—23.
Ikeda, Carol K., to E. I. du Pont de Nemours and Co. Polymerizing vinyl cyclic acetals with cobaltous salts of dicarboxylic acid half-esters. 3,010,945, 11–28–61, Cl. 260—78.3.
Ilardo, Charles S., C. T. Bean, and P. Robitschek, to Hooker Chemical Corp. Polyepoxide-dicarboxylic anhydride compositions. 2,992,196, 7–11–61, Cl. 260—18.
Ilavsky, Jan, and H. L. Herzog, to Schering Corp. 11a-hydroxylation of steroids by Beauveria. 3,013,945, 12–19–61, Cl. 195—51.
Ilenda, Frank P., and J. C. Noyes, Jr., to Diamond Alkali Co. Shell mold adhesive composition. 2,977,650, 4–4–61, Cl. 22—194.
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Iler, Ralph K., to E. I. du Pont de Nemours and Co. Silica organosols and their preparation. 2,974,105, 3–7–61, Cl. 252—309.
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Fry, Douglas J., Kendall, and Morgan. 2,984,664.
Fry, Douglas J., Lea, and Kendall. 2,979,501.
Fry, Douglas J., Lea, and Kendall. 2,984,663.
Keller, Ernst, Hindermann, and Jung. 3,002,964.
Smith, Robert C. M., and Townley. 3,006,260.
Ilgenfritz, Edgar M., and R. P. Ruh, to The Dow Chemical Co. Method for the preparation of alkenes and alkadienes. 2,996,556, 8–15–61, Cl. 260—653.5.
Ilgenfritz, Lester M., to Bell Telephone Laboratories, Inc. System for detecting and recording temperature differentials. 3,011,853, 12–5–61, Cl. 346—8.
Illing, Arno M., to Cambridge Tile & Mfg. Co. Ceramic belt. 2,986,387, 5–30–61, Cl. 263—8.
Illingworth, Alec R. Floor coverings, underfelts, underlays and the like. 2,976,393, 3–21–61, Cl. 219—46.
Illingsworth, Bernard D., and L. M. Minsk, to Eastman Kodak Co. Photographic emulsions of improved flexibility and increased silver covering power. 3,003,878, 10–10–61, Cl. 96—113.
Illinois Central Railroad Co.: *See*—
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Illinois Metal Products: *See*—
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Illinois Railway Equipment Co.: *See*—
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Illinois Testing Laboratories, Inc.: *See*—
Klipstein, Donald L. 2,982,880.
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Knutsen, Wallace N., and Black. 2,977,928.
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Innes, Frank T., to Burroughs Corp. Digital computer input. 3,000,555, 9–19–61, Cl. 235—61.6.
Innes, William B.: *See*—
Malley, Thomas J., Schindler, Pennell, and Innes. 2,980,-632.
Innes, William B., M. W. Michael, J. D. Pennell, and N. Chomitz, to American Cyanamid Co. Process for preparing a silica-magnesia catalyst. 2,988,521, 6–13–61, Cl. 252—457.
Innocenti, Scipione. Device for picking up by suction the cigarettes advancing in rows on conveyor tapes, for discharging same into boxes, and for carrying away the filled boxes. 2,972,845, 2–28–61, Cl. 53—236.
Innocenti, Scipione, to S.A.S.I.B.-S.p.A. Scipione Innocenti-Bologna. Sealed-package wrapper end tester. 2,991,879, 7–11–61, Cl. 209—72.
Innocenti Soc. Generale Per l'Industria: *See*—
Zuppiroli, Guido. 2,968,711.
Innocenti Soc. Gen. per l'Industrie Metallurgica e Meccanica: *See*—
Torre, Pier L. 2,973,752.
Torre, Pier L. 3,010,441.
Innoventions, Inc.: *See*—
Breneman, James C. 3,007,430.
Inoue, Jin. High speed tele-printer. 2,997,542, 8–22–61, Cl. 178—28.
Inoue, Kiyoshi. Spark discharge machining energy source. 3,014,155, 12–19–61, Cl. 315—171.
Inoue, Kiyoshi. Machining method and means. 2,974,215, 3–7–61, Cl. 219—68.
Inoue, Kiyoshi. Spark discharge contouring machine using wire electrode. 2,974,216, 3–7–61, Cl. 219—69.
Inoue, Takayasu. Pocket size check writer. 2,980,226, 4–18–61, Cl. 197—6.4.
Inoue, Takayasu. Motor-driven checkwriter. 3,011,615, 12–5–61, Cl. 197—6.4.
Inouye, Yuzo: *See*—
Takei, Sankichi, Ohno, Inouye, and Sagita. 3,009,946.
Insetta, Frank C., 25% to F. J. Pisarra and 15% to John Insetta. Bowling ball construction. 3,001,793, 9–26–61, Cl. 273—63.
Insetta, John: *See*—
Insetta, Frank C. 3,001,793.
In-Sink-Erator Mfg. Co.: *See*—
Thompson, Vernon L. 3,014,671.
Insinooritoimisto-Engineering Bureau R. T. Hukki: *See*—
Hukki, Risto T. 2,991,017.
Inskip, Harold K., and W. Klabunde, to E. I. du Pont de Nemours and Co. Hydroxyethylation of polyvinyl alcohol. 2,990,398, 6–27–61, Cl. 260—91.3.
Insolio, Thomas A., to American Window Glass. Glass cutting machine. 3,003,242, 10–10–61, Cl. 33—32.
Insolio, Thomas A., R. Carini, and P. J. Magrini, Sr. Pack handling device. 2,983,391, 5–9–61, Cl. 212—129.
Institut de Recherches de la Siderurgie: *See*—
Allard, Marc. 2,993,780.
Leroy, Pierre, and Simon. 2,975,047.
Trentina, Bernard, and Cohen de Lara. 2,986,343.
Institut de Recherches de la Siderurgie Francaise: *See*—
De Saint-Martin, Lucien. 3,001,829.
Trentini, Bernard, and Vayssiere. 2,991,173.
Institut Dr. Ing. Reinhard Straumann A.G.: *See*—
Krüger, Gustav, Schütz, and Bourquin. 2,979,417.
Schachner, Herbert. 2,993,567.
Straumann, Reinhard. 2,973,291.
Institut Francais du Petrole des Carburants et Lubrifiants: *See*—
Baumgartner, Pierre, Bedague, and Balaceanu. 3,006,-732.
Hellin, Michel C. F., and Coussemant. 2,997,480.
Limido, Jean, Miquel, and Thonon. 3,006,844.
Monnot, Georges, Vichnievsky, Ollier, and Breelle. 3,014,466.
Institut fur Fordertechnik des Ministeriums fur Schwermaschninenbau: *See*—
Lang, Gerhard, and Necke. 2,983,390.
Institut fur Landmaschinen-u. Traktorenbau: *See*—
Wehsely, Karl, and Haase. 2,984,311.
Institut fur Textilmaschinen: *See*—
Nebich, Rudi. 3,013,511.
Institut Textile de France: *See*—
Kassenbeck, Paul. 2,977,475.
Rochas, Paul, and Coupez. 3,010,848.
Institute of Gas Technology: *See*—
Elliott, Martin A., Linden, and Shultz. 2,991,164.
Pettyjohn, Elmore S., and Linden. 2,975,044.
Weil, Sanford A. 3,009,327.
Institute of Insect Control, The: *See*—
Takei, Sankichi, Ohno, Inouye, and Sugita. 3,009,946.
Institute of Paper Chemistry, The: *See*—
Murray, Maija L., and Ward. 2,987,434.
Pearl, Irwin A. 2,983,724.
Ward, Kyle, Jr., and Walecka. 2,987,433.
Whitney, Roy P., Han, Bakken, and Kesler. 2,987,432.
Institute of Textile Technology: *See*—
Fornes, Gaston G., and Robinson. 2,996,870.
Instituttet for Produktudvikling: *See*—
Knudsen, Anders C. 2,988,843.
Institutum Divi Thomae Foundation: *See*—
Cole, Samuel P., Walker, and Reed. 2,967,778.
Instrument Development Laboratories, Inc.: *See*—
Ackerman, Sumner. 2,974,531.
Bentley, George P., and McNabb. 2,970,307.
Betts, Peter, and Lord. 2,997,412.
Lord, Joseph S. 3,003,976.
Instrument Development & Mfg. Corp.: *See*—
Nordsieck, Arnold T. 3,003,356.
Instruments, Inc.: *See*—
Graham, Ollie W. 2,997,878.
Insul-8-Corp.: *See*—
Scofield, Donald H., and Clumpner. 2,994,734.
Shaw, John B., Mayo, and Ford. 2,991,336.
Intagliata, Salvatore J., W. J. Hildebrandt, R. W. Yerks, V. J. Di Galbo, and W. P. Hall, to Underwood Corp. Apparatus to produce printed and control records and to utilize the latter for automatic control purposes. 2,980,225, 4–18–61, Cl. 197—1.6.
Inta-Roto Machine Co., Inc., The: *See*—
Allen, Claude V. 2,998,760.
Allen, Claude V. 3,006,275.
Intelligent Machines Research Corp.: *See*—
Shepard, David H. 2,978,590.
Shepard, David H., and Bargh. 3,013,718.
Shepard, David H., and Bargh. 3,013,719.
Interchemical Corp.: *See*—
Bernardi, Dominic J. 2,972,302.
Bernardi, Dominic J., and Wescott. 2,991,184.
De Marchi, Vincent S. 2,972,299.
De Marchi, Vincent S., Gessler, and Van Kirk. 2,972,-298.
De Marchi, Vincent S., Gessler, and Van Kirk. 2,972,-303.
Gaylord, Norman G., and Dean. 2,985,611.
Gessler, Albert E., de Marchi, and Van Kirk. 2,972,-301.
Greubel, Paul W. 2,993,371.
Kumins, Charles A., Fine, and Chase. 2,971,458.
Kumins, Charles A., Scardaville, and Frieser. 2,993,065.
Luzzi, John J. R. 3,013,017.
Intercompany Corp.: *See*—
Gutzmer, Ernest R. 2,998,740.
Nicholson, Ralph A. 2,979,310.
Interlake Iron Corp.: *See*—
Ruth, Helmer A. 2,992,486.
Interlego A.G.: *See*—
Christiansen, Godtfred K. 3,005,282.
Interlux Corp.: *See*—
Woolhouse, Charles J. 3,012,125.
Intermill, Howard A., to Herff-Jones Co. Display case. 3,003,997, 10–10–61, Cl. 206—45.18.
International Alloys Ltd.: *See*—
Scheuer, Ernst, and Howells. 2,991,063.
International Automorse: *See*—
Evensen, Leif. 3,006,997.
International Basic Economy Corp.: *See*—
Collins, John E. 2,993,510.
Shada, Joseph J. 3,009,542.
Zies, Carl W. 2,997,943.
Zies, Carl W. 3,004,876.
International Business Machines Corp.: *See*—
Adams, Francis V. 2,968,792.
Adams, Francis V., and Swanton. 2,992,413.
Albanes, Nicholas J. 2,989,731.
Allais, David C., and Vogel. 3,001,369.
Anderson, John L. 3,014,661.
Apgar, Donald H. 2,968,003.
Astrahan, Morton M. 2,994,853.
Astrahan, Morton M., Batchelor, Housman, Kurkjian, and Sarahan. 3,012,227.
Bacon, Glenn C. 2,982,822.
Baker, Joseph C. 3,011,697.
Barbeau, Raymond A. 2,989,229.
Barbeau, Raymond A., Stahl, and Young. 2,985,714.
Barcia, Casper L., and Micklus. 3,014,412.
Barkhuff, Earl D. 3,004,729.
Barson, Fred, and Genser. 3,010,855.
Batley, James V. 3,007,115.
Bauer, Edwin W. 2,992,415.
Baumeister, Heard K. 3,007,086.
Beattie, Horace S. 2,994,475.
Beck, John W. 3,001,140.
Beesley, James P. 2,995,710.
Beliveau, Maurice, and Grace. 3,002,132.
Bixby, William H. 2,994,029.
Blakely, Robert T. 3,006,259.
Bloch, Erich, and Paulsen. 2,978,593.
Boehm, Gilbert O., and Matteson. 2,985,300.
Bolton, Wallis D. 2,987,037.
Borders, Charles R. 3,014,662.
Brand, Samuel. 2,999,592.
Branscomb, Charles E. 2,987,181.
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Brehm, Lyle W. 2,969,730.
Brennemann, Andrew E., and Funk. 3,007,057.
Brennemann, Andrew E., Kahan, and Tsui. 2,989,716.
Brown, Caroll J. 2,985,839.
Brown, Edgar A. 2,991,455.
Brownlow, James M. 2,982,732.
Brownlow, James M. 2,986,522.
Brownlow, James M. 2,987,481.
Brownlow, James M., and Schuenzel. 2,982,948.
Bucholz, Werner, Haynes, and Whitney. 2,997,696.
Buslik, Walter S. 2,985,863.
Buslik, Walter S. 3,008,709.
Buslik, Walter S., and Weldenhammer. 3,012,775.
Calhoun, Bertram A., and Shevel. 3,006,856.
Callaway, Russell E. 2,997,560.
Cardascia, Rinaldo R., and Markle. 2,975,390.
Carroll, William N. 2,993,128.
Carthwaite, Albert N. 2,974,258.
Chadurjian, Frank. 2,973,508.
Chao, Shih C. 3,005,588.
Cheroff, George. 2,986,644.
Christensen, Donald D., Goodell, Gutz, and Wendt. 2,985,867.
Christiansen, Richard A. 2,974,270.
Christopherson, Warren A., and Tidball. 2,997,361.
Clapper, Genung L. 2,968,002.
Clapper, Genung L. 2,969,526.
Clapper, Genung L. 2,975,303.
Clapper, Genung L. 2,988,701.
Clapper, Genung L. 3,003,069.
Clapper, Genung L., and Pratt. 2,995,667.
Clay, Everett C. 3,014,644.
Collins, Arthur F. 2,995,303.
Conkey, Herbert E., Batchelor, and Thompson. 2,975,017.
Connolly, Charles E., and Wilson. 2,967,658.
Croll, Donald C. 3,012,711.
Cronquist, Donald H. 2,971,396.
Cronquist, Donald H. 2,984,177.
Crosby, James S., Jr. 2,969,522.
Crowe, James W., and Housman. 2,981,933.
Cunningham, James M. 2,970,878.
Cunningham, James M. 2,979,329.
Cunningham, James M. 3,014,570.
Cunningham, James M., and Hicks. 2,995,240.
Daly, George F., and Weldenhammer. 2,970,751.
Darwin, Daniel P. 2,987,889.
Darwin, Daniel P., and Kellogg. 3,011,698.
Dayger, Jonas E., Salani, and Babel. 2,995,297.
Deerhake, William J., and Havens. 2,997,693.
Deerhake, William J., Havens, and Schreiner. 2,970,764.
Demer, Frederick M., and Grenchus. 2,993,437.
Demer, Frederick M., Harrington, and Shalkey. 2,990,767.
Demer, Frederick M., and Mork. 2,975,965.
Dickinson, Arthur H. 2,989,181.
Dickinson, Arthur H. 2,989,235.
Dickinson, Arthur H. 2,991,010.
Dickinson, Arthur H. 3,008,639.
Dickinson, Arthur H. 3,014,659.
Dickinson, Arthur H., and Hallstead. 2,993,595.
Dickinson, Wesley E. 2,994,856.
Dickinson, Wesley E. 3,011,061.
Dodge, Ronald D., and Pearson. 3,001,630.
Dodge, Ronald D., and Walton. 2,978,089.
Doty, Charles R., Smith, Tate, and Cackowski. 2,975,228.
Drougard, Maurice E., Huibregtse, and Young. 2,989,733.
Dumin, David J. 3,002,111.
Dunn, William H. 2,972,137.
Durand, Robert D., Driscoll, and Cobb. 2,994,074.
Durham, Raymond E., Jr. 2,976,895.
Edminster, Robert E. 2,977,116.
Eichbaum, Barlane R. 3,006,853.
Eichorn, Robert N. 2,974,862.
Eichorn, Robert N., and Hendrich. 2,970,785.
Einsele, Theodor, and Ganzhorn. 2,967,665.
Einsele, Theodor E., and von der Heyden. 2,994,003.
Estrems, Eugeni. 2,979,260.
Estrems, Eugeni. 3,008,126.
Estrems, Eugeni, and Papo. 2,983,357.
Femmer, Max E., Sochor, Kusnick, Nielsen, and Vinson. 2,974,306.
Ferris, Arthur L. 2,998,918.
Fitch, Clyde J. 2,995,285.
Fitch, Clyde J. 3,002,596.
Fitch, Clyde J., and Dunn. 3,004,126.
Floros, Theodore G. 3,009,637.
Frantz, Hermann. 2,981,848.
Freeman, Marshall E., and Gilmore. 2,996,078.
Fryklund, Robert A. 3,008,144.
Gaebelein, Georg N. 2,967,999.
Gaffney, John E., Jr. 2,978,608.
Gardineer, Bayard G., Jr. 2,989,005.
Garthwaite, Albert N., and Kristiansen. 2,971,298.
Garwin, Richard L. 2,981,940.
Genser, Milton. 2,974,072.
Gillham, Philip C., and Moss. 2,974,643.
Gilman, Sol. 3,000,797.
Gilovich, Paul A. 2,974,492.
Gindi, Abe M. 3,007,061.
Glattli, Hans H. 2,989,228.
Glattli, Hans H. 3,010,649.
Gower, Kenneth N., and Schroeder. 2,978,159.
Greanias, Evon C. 2,975,371.
Greanias, Evon C., and Hill. 3,012,233.
Gross, William A. 3,010,471.

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Haanstra, John W., and Harker. 2,987,803.
Haddad, Jerrier A., Richards, Rochester, and Ross. 2,974,866.
Hagopian, Jacob J. 3,007,143.
Hagopian, Jacob J. 3,007,144.
Halpern, Peter H. 2,979,627.
Halpern, Peter H. 2,985,771.
Hammer, James P. 2,975,405.
Hammer, James P. 2,991,454.
Haney, Donald W., and Jackowski. 3,002,677.
Hanson, James S. 2,988,433.
Harper, Leonard R. 2,971,157.
Harper, Leonard R. 3,003,070.
Haug, Roy L. 2,972,296.
Havens, Byron L. 2,978,686.
Havens, Byron L. 2,994,076.
Haynes, Munro K. 3,001,710.
Heath, Robert E., and Young. 3,010,052.
Hendrich, Henry A., and Eichorn. 2,991,827.
Henle, Robert A. 2,971,696.
Henle, Robert A. 2,990,479.
Henle, Robert A. 3,003,071.
Henle, Robert A., Valentine, and Halpern. 3,002,107.
Hickerson, John E. 2,978,086.
Hickerson, John E. 2,985,135.
Hoffman, George R., and Maclean. 2,991,457.
Holgate, Terence M. 2,969,864.
Hopner, Emil, and Markey. 2,979,566.
Hopner, Emil, Wood, and Johnson. 2,994,736.
Horgan, Thomas B. 3,001,712.
Horton, John W. 2,981,891.
Horton, John W., and Anderson. 3,014,663.
Horton, Paul V. 2,970,296.
Horton, Paul V., and Haines. 2,989,415.
Howden, William E. 3,004,820.
Hunter, Lloyd P. 2,975,085.
Hunter, Lloyd P. 2,996,918.
Hunter, Lloyd P. 3,014,819.
Jackowski, Charles S. 3,002,678.
Jackowski, Charles S., and Saltz. 2,969,729.
Jackson, Chauncey D., Batchelor, and Thompson. 2,975,239.
Jancin, Julius, Jr. 2,979,257.
Johnson, Alfred H. 3,008,113.
Johnson, Ellsworth L., Rocco, and Ross. 2,968,791.
Johnson, George W. 2,979,960.
Johnson, Oliver D. 2,981,134.
Johnson, Reynold B., Moneagle, Koranye, Jurgens, and Prater. 2,983,445.
Jones, Henry L. 2,998,594.
Kauffmann, John A. 2,970,297.
Kauffmann, John A. 2,974,311.
Kauffmann, John A., and Tomasulo. 2,985,868.
Kay, Casmir, McMurtrie, Nestork, and Sturtevant. 2,993,999.
Kay, Ronald H. 2,982,176.
Kay, Ronald H. 2,993,805.
Kean, David W. 2,974,864.
Keller, Seymour P. 2,979,467.
Kennard, George F., and Marcy. 2,995,691.
Klotz, Herman J. 2,995,241.
Koenig, Seymour H., and Gunther-Mohr. 3,011,133.
Kostyshyn, Bohdan. 3,003,105.
Kramer, Noah H. 2,997,700.
Kurkjian, Hrand L., and Wagner. 3,003,137.
Lafaurie, Michael J. 3,001,704.
Laframboise, Guy R., and Prater. 3,007,620.
Lamy, Richard C. 2,997,692.
Landauer, Rolf W. 3,015,090.
Langendorf, Matthew P. 3,011,030.
Lego, John H. 3,007,400.
Lisinski, Joseph E. 2,970,753.
Litz, Frank A. 2,980,063.
Litz, Frank A. 2,988,057.
Litz, Frank A., and Lynott. 2,969,042.
Lockhart, Newton F. 2,978,176.
Logue, Joseph C., and Goodman. 3,007,056.
Lord, Richard C. 3,014,555.
Luhn, Hans P. 2,969,876.
Luhn, Hans P. 2,981,981.
Luhn, Hans P., Wilson, Stahl, Berg, and Dustman. 2,994,429.
Lynott, John J. 2,969,435.
Lyon, Robert L. 2,995,702.
Lyons, Vincent J., Silvey, and Turner. 2,997,590.
Mackay, James B. 2,978,595.
Mackay, James B., Logue, and Emery. 2,990,539.
Madden, Robert W., Lundberg, Foss, and Marcy. 2,988,818.
Maley, Gerald A. 3,013,250.
Maley, Gerald A. 3,015,043.
Maley, Gerald A., and Boyle. 3,015,040.
Marinace, John C. 3,000,768.
Marinace, John C. 3,001,896.
Marinace, John C., and Rutz. 3,014,820.
Marrs, Ralph E. 3,001,850.
Marshall, Melvin R. 2,998,191.
Martin, Harold F. 2,975,967.
Martin, Harold F., and Lynott. 2,983,444.
Mauer, Erwin R., and Micklus. 2,978,173.
May, Gordon H. 3,000,359.
McCoy, William B. 3,012,237.
McDonnell, James A., Terlato, and Greene. 2,968,027.
McGregor, John E. 2,978,666.

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McLaughlin, John A. 2,973,511.
Meade, Robert M. 3,005,112.
Melas, Constantin M. 3,010,073.
Miller, Asa N. 2,975,402.
Miller, Solomon L. 2,988,677.
Mimlitch, Robert H. 3,001,629.
Moruzzi, Victor L., and Calhoun. 2,982,607.
Moyer, Joseph J. 3,011,073.
Muffley, Robert V., and Flavin. 3,011,611.
Myers, Aurie S., Jr. 3,003,067.
Myers, Aurie S., Jr. 3,003,141.
Myers, Aurie S., Jr. 3,010,030.
Newman, Edward A., and Clayden. 2,978,175.
Newman, Ernest G. 3,007,085.
Nick, Howard H. 2,978,286.
O'Brien, Hugh A. 2,975,407.
O'Brien, Hugh A. 3,005,189.
O'Connell, James A. 2,981,858.
Oldenboom, Derk J. 2,973,709.
Olson, George E., and Sanford. 2,994,071.
Orrange, Robert J. 2,993,382.
Ostapkovich, Peter L. 2,970,044.
Page, Ralph E. 2,995,284.
Page, Ralph E. 2,995,286.
Palmer, Leon E. 3,014,569.
Panissidi, Hugo A. 2,966,890.
Panissidi, Hugo A. 2,982,262.
Panissidi, Hugo A. 2,985,237.
Panissidi, Hugo A. 2,989,260.
Panissidi, Hugo A. 2,993,477.
Pearson, Eugene S., and Dodge. 2,978,088.
Pecchenino, Paul L. 2,970,571.
Pecchenino, Paul L. 3,007,398.
Petherick, Edward J. 2,975,409.
Petherick, Edward J., and Rowley. 2,973,901.
Philip, George O. 2,976,894.
Pittwood, Donald G. 2,995,363.
Pratt, Francis L. 2,967,948.
Pratt, Francis L. 2,971,096.
Price, Peter J., and Horton. 2,975,304.
Price, Peter J., and Horton. 2,975,377.
Proebster, Walter E. 3,002,184.
Quade, Edward A. 2,995,727.
Ress, Thomas I. 2,967,664.
Ress, Thomas I. 2,985,763.
Reynolds, Andrew C., Jr. 2,969,912.
Rice, Russell W., Jr. 3,001,628.
Richards, Richard K. 3,012,713.
Richards, Richard K., and Morey. 2,981,470.
Rickard, La Verne E. 2,995,726.
Rock, Joseph J. 2,967,268.
Rogers, Russell V. 2,999,392.
Rohland, William S., and Greanias. 3,008,123.
Ross, Dan C. 2,972,742
Rueger, William J. 2,989,029.
Rumble, Dale H. 3,009,636.
Russell, Louis A. 2,974,310.
Rutz, Richard F. 2,981,874.
Rutz, Richard F. 2,986,653.
Rutz, Richard F. 2,988,652.
Rutz, Richard F. 2,989,426.
Rutz, Richard F. 2,992,337.
Rutz, Richard F. 2,995,665.
Rutz, Richard F. 3,002,100.
Rutz, Richard F. 3,007,090.
Sakalay, Fred E. 3,008,635.
Sakalay, Fred E., and Elder. 3,011,710.
Saltz, Fred, and Wheeler. 2,991,074.
Sarley, Joseph M., and Natvig. 2,990,957.
Saxenmeyer, George J. 2,975,365.
Scheer, Herman C. 3,007,402.
Scheerer, Walter. 2,974,861.
Schmookler, Martin S. 2,994,852.
Schreiner, Kenneth E. 2,987,630.
Schreiner, Kenneth E. 3,000,564.
Schreiner, Kenneth E., and Havens. 2,987,253.
Schroeder, Charles E., and Byrnes. 2,975,307.
Schultz, Frederick A. 3,001,171.
Schwartz, Robert S., and Slade. 3,001,895.
Shafer, Orville B. 2,999,918.
Shugart, Alan F. 2,982,946.
Simpson, Victor R. 2,995,360.
Skerritt, John W. 3,007,059.
Sliter, Donald D. 2,972,738.
Smith, Hinsdale, Jr. 2,967,478.
Smith, James T. 2,968,799.
Smith, James T. 2,977,505.
Stallard, Langdon B. 2,975,406.
Stern-Montagny, Francis. 2,994,854.
Stevens, Louis D. 3,014,203.
Swanson, John A., and Horton. 2,986,591.
Tate, Lawrence A. 2,981,931.
Tailleur, Andre M. 2,986,329.
Tailleur, Andre M. 2,999,632.
Tellep, David. 3,002,685.
Thomas, Llewellyn H. 2,999,229.
Thomas, Llewelyn H., and Toner. 2,994,065.
Thompson, Thomas W. 2,983,356.
Trapnell, Frederick M., Jr. 2,994,863.
Trapnell, Frederick M., Jr., and Bonner. 3,001,147.
Trapnell, Frederick M., Jr., and Hilliard. 2,984,827.
Tucker, Gardiner L. 2,981,645.
Viehe, Frederick W. 2,970,291.
Viehe, Frederick W. 2,992,414.

International Business Machines Corp.: *See*—Continued
Vinal, Albert W. 2,988,732.
Vogl, Norbert G., Jr. 2,971,181.
Walker, George A., Dodge, and Palmer. 2,989,166.
Walsh, Francis W. 2,993,318.
Walsh, Francis W. 2,998,204.
Wang, An. 3,007,142.
Weeks, Richard W., and Dickinson. 2,983,824.
Weidenhammer, James A. 2,989,307.
Weidenhammer, James A. 2,990,538.
Wheeler, Wendell J. 3,002,748.
Wheeler, Wendell J. 3,002,750.
Wheeler, Wendell J., and Klotz. 3,002,751.
Wheeler, Wendell J., and Klotz. 3,007,696.
Wheeler, Wendell J., and Morris. 2,991,075.
Whippo, Walter B. 2,986,260.
Williams, Frederic C., and Kilburn. 3,012,727.
Williams, Frederic C., Kilburn, Newman, and Tootill. 3,012,724.
Williams, Frederic C., Kilburn, and Tootill. 3,012,725.
Williams, Frederic C., Kilburn, Tootill, and Robinson. 3,012,726.
Wilser, Raymond E., and Lawrence. 3,014,654.
Wilson, Edward S. 2,989,739.
Wilson, Lawrence A. 2,985,271.
Wilson, Lawrence A., and Luning. 2,990,956.
Wilson, Lawrence A., and Wheeler. 2,974,951.
Winger, Wayne D., Jackson, and Witt. 2,978,678.
Witt, Victor R., Prentky, and Dudek. 2,970,300.
Wolff, Hermann P. 2,979,703.
Wyma, Edwin R., Klippel, and Buelow. 3,013,187.
Young, Donald R. 2,989,732.
Young, Donald R. 3,007,139.
Young, Donald R. 3,015,041.
Zola, Edward J., Jr., Van Mechelen, Cour, and McDermid. 3,004,252.

International Cigar Machinery Co.: *See*—
Gustavson, Sterling T. 2,971,516.
Vogel, Norman A., and Woodbury. 2,982,381.
Wheeler, Henry H. 2,983,091.

International Cigar Machinery Co., Inc.: *See*—
Rosenberg, Sheldon. 3,000,765.
Rosenberg, Sheldon, and Schmidt. 2,977,254.

International Clay Machinery of Delaware, Inc.: *See*—
McElroy, Roy H. 3,013,321.

International Combustion (Holdings) Ltd.: *See*—
Bowen, Idris G., and Tyler. 2,995,185.
Davis, Reginald F. 2,975,001.

International Computers and Tabulators Ltd.: *See*—
Baldwin, Richard E. 2,991,712.
Bird, Raymond. 2,970,765.
Bird, Raymond. 3,001,707.
Bird, Raymond, and Wood. 3,000,563.
Briggs, Peter G. 3,007,011.
Cannings, Frederick G. 2,980,355.
Cannings, Frederick G. 2,990,127.
Davis, Roger A., and Hewitt. 3,001,469.
Duke, Keith A. 2,989,237.
Eden, Reginald R. 2,967,569.
Hirst, Peter D., and Williams. 3,010,716.
Spencer, Arthur J. 2,984,823.
Trussell, Alec. 3,001,706.
Trussell, Alec. 3,001,709.
Walker, John S. 2,978,594.
Wilkins, Colin B. 3,005,106.
Woodhead, James. 3,005,200.
Yandell, Ronald P. B. 3,004,706.

International Electronic Research Corp.: *See*—
McAdam, John C. 2,973,400.

International Flavors & Fragrances I.F.F. (Nederland N.V.): *See*—
Beets, Muus G. J., and Van Essen. 3,008,968.

International Graphics, Inc.: *See*—
Gadiel, Peter. 2,984,396.

International Harvester Co.: *See*—
Alexander, Adolph P., and Spengler. 2,970,902.
Allin, George S., Sr. 2,979,205.
Allin, George S., Sr., Liu, and Rezabek. 2,974,753.
Barrett, Robert D. 2,998,988.
Birkenbach, Eugene J., and Frelichowski. 2,979,139.
Birkenbach, Eugene J., and Morgan. 2,998,855.
Bornzin, James H. 3,005,400.
Brantingham, Paul T. 2,986,253.
Brantingham, Paul T. 2,994,419.
Brehm, Richard J., and Malcolm. 2,989,925.
Carlson, Ernest C. 3,005,360.
Carlson, Ernest C., and Witt. 2,998,834.
Clark, Adna R., and Coleman. 2,981,056.
Clark, Adna R., and Coleman. 2,986,135.
Derr, Elmer B. 2,998,981.
Dilworth, Victor W. 2,981,341.
Donner, Verne P., Henning, and Allin. Re. 25,036.
Donner, Verne P., Henning, and Allin. 3,014,548.
Dressler, Thomas M. Re. 25,012.
Dressler, Thomas M. 3,014,465.
Drummond, William D., and Johnston. 2,967,389.
Duke, Edward D. 2,981,015.
Everett, Charles V. 2,974,888.
Everett, Charles V., and Schwerdtfeger. 2,990,195.
Febre, Roberto E. 3,005,275.
Feil, George W., Jr. 3,014,681.
Fischer, Raymond C. 2,990,121.
Forsyth, Clark H. 3,014,622.
Gaebler, Joe V. 2,981,247.

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Gleesmann, Herbert C. 2,991,862.
Gleesmann, Herbert C., Barrett, and Dyrby. 2,991,863.
Griffiths, Leland R. Re. 24,973.
Halgren, John A. 2,994,220.
Halgren, John A., Pinkel, and Filinovitz. 2,970,352.
Hershman, Gordon L. 2,970,653.
Heth, Sherman C. 2,974,462.
Heth, Sherman C., and Snoeyenbos. 2,989,829.
Huddle, Edwin F. 3,005,498.
Hyman, Benjamin M. 2,974,466.
Hyman, Benjamin M., and Karlsson. 2,989,832.
James, Howell N. 2,967,435.
Johnson, Robert A., and Birkenbach. 2,990,021.
Johnston, Edward J. 2,989,835.
Jones, Mick M. 3,014,703.
Kamarovsky, Serge. 2,970,374.
Karlsson, Elof K. 3,014,485.
Kesinger, Donald A. 3,005,551.
Kirchler, Lewis, and Rezabek. 3,014,291.
Kolinger, Kenneth J., Moreno, and Solimine. 2,973,049.
Malcolm, Robert H. 2,980,989.
Marindin, Robert. 2,998,851.
Marindin, Robert. 3,005,499.
Marindin, Robert. 3,014,535.
Marindin, Robert, and Benford. 3,014,536.
Marquardt, Julius F. 2,979,325.
Martensen, Uwe H. 2,979,138.
Martensen, Uwe H. 2,998,853.
Mason, Wylie A., Jr. 3,014,331.
Middendorf, Eugene H., Swanson, and Bowen. 3,014,467.
Moreno, Emil F., and Marquardt. 3,014,736.
Morkoski, James. 2,967,574.
Morkoski, James. 2,998,854.
Murray, Neil F. 3,014,326.
O'Neil, Gordon R. 2,981,213.
Parsley, Harold V., Dreyer, and Grant. 2,974,997.
Pool, Stuart D., and Hyman. 2,989,834.
Poynor, Russell R., Throckmorton, and Shute. 2,974,876.
Pristo, Ray E. 2,989,830.
Rasmussen, Walter E. 2,989,876.
Rezabek, Vernon E. 2,998,662.
Riedy, Earl T. 3,005,511.
Roberson, Raymond F. 2,967,725.
Roberson, Raymond F. 2,981,344.
Rugg, E. Melvin. 2,970,663.
Sammarco, Peter. 3,005,301.
Sammarco, Peter. 3,008,219.
Sammarco, Peter. 3,008,220.
Scarnato, Thomas J., and Berzinski. 3,014,328.
Seddon, Thomas R. 2,981,235.
Sewelin, Ernest R., and Study. 2,994,556.
Shallenberg, Robert L. 3,014,473.
Snow, Kenneth T. 2,974,465.
Staadt, Richard L. 2,967,396.
Storck, Robert C. 3,014,290.
Swift, John F. 2,981,381.
Toland, Wayne G. 2,970,657.
Ward, Gerald G. 3,014,539.
Wilson, Milo R. 2,974,659.
Witt, Robert H. 2,979,173.
Wolf, Fred C. 2,994,544.
Woodring, Robert W., and Shader. 3,014,325.
Yearling, Frank J., and Mavri. 3,005,243.
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International Heater Co.: *See*—
Trask, Allen. 2,974,682.

International Hormones, Inc.: *See*—
Fleischhacker, Desider, and Barsel. 3,006,924.

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International Instruments, Inc.: *See*—
Sullivan, James F., and Lique. 2,967,278.

International Latex Corp.: *See*—
Cole, Raymond C. 3,002,516.
Emmet, Ruth F. 3,009,159.
Kaspar, Peter D. 2,967,331.
Krieger, Larry L. 2,988,087.
Krieger, Larry L. 3,001,526.
Owen, Harold A., and Clark. 3,005,990.
Owen, Harold A., and Clark. 3,009,464.

International MacGregor Organization (I.M.G.O.): *See*—
Kummerman, Henri. 2,979,012.

International Machinery Corp.: *See*—
Mencacci, Samuel A., and Tack. 2,998,118.

International Minerals & Chemical Corp.: *See*—
Adams, Albert, and Dancy. 2,984,348.
Adams, Albert, and Dancy. 3,008,655.
Archer, James R., and Banks. 2,968,184.
Barlow, Thomas E. 2,974,050.
Baumann, Arthur N. 2,980,504.
Baumann, Arthur N. 2,987,405.
Beerman, Henry P. 2,967,154.
Clark, Howard P., and Adams. 2,968,525.
Clawson, Floyd J., and McClintock. 3,008,574.
Clawson, Floyd J., and McClintock. 3,008,575.
Fike, Harold L. 2,984,684.
Fleming, Raymond C., Jr. 2,977,196.
Frieders, John W. 2,974,049.
Gillis, Marvin B. 2,973,265.
Gloss, Gunter H. 2,987,376.
Gloss, Gunter H. 2,988,439.
Gross, John H., and Bostwick. 3,002,831.
Gross, John H., and Sholine. 3,008,573.

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Head, Michael D. 2,975,123.
Hoglan, Forest A., and Kodras. 2,991,309.
Hoglan, Forest A., and Sietsema. 2,988,453.
Houston, Harry H. 2,967,153.
Houston, Harry H. 2,977,240.
Kodras, Rudolph. 2,971,954.
Le Baron, Ira M., and Samsel. 2,992,728.
Magnuson, Roy M. 2,982,319.
Magnuson, Roy M. 2,992,928.
Manning, Paul D., and Le Baron. 2,992,914.
Manning, Paul D. V., and Le Baron. 2,976,119.
Marshall, Samuel P., Jr. 2,997,160.
Mazurek, Robert C. 2,988,504.
McCollum, Louis S., and Gindoff. 2,967,149.
McGarry, Phillip E. 2,973,864.
Neukom, Hans. 2,977,236.
Purvis, Joseph L. 2,987,543.
Samsel, Gene L. 2,997,171.
Sholine, John H., and Cook. 3,002,616.
Sietsema, Jacob W. 2,974,048.
Sietsema, Jacob W., and Trotter. 2,993,041.
Smithson, James W. 3,005,347.
Stewart, Thomas H., Jr., and MacDonald. 2,971,832.
Tuttle, Raymond E., Harwood, and Smalter. 2,968,528.
Uhland, Homer E. 2,970,688.
Williams, William B. 2,997,367.
Williams, William B. 3,002,812.
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International Nickel Co., Inc., The: *See*—
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Buttress, Ralph E., Keegan, and Stuart. 3,014,823.
Carter, Joseph E., and Goodrich. 2,987,381.
Clark, Charles A. 2,968,548.
Dixon, Ronald H. T., and Gittus. 2,973,564.
Dixon, Ronald H. T., and Thorneycroft. 2,995,815.
Dunton, Thornley A., and Worn. 2,971,872.
Eash, John T. 2,968,550.
Eash, John T. 2,974,038.
Graham, Alexander B. 2,973,092.
Graham, Alexander B., and Horne. 3,014,269.
Hignett, Harold W. G., and Turner. 2,972,805.
Hignett, Harold W. G., Turner, Graham, and Horne. 2,986,806.
Hignett, Harold W. G., Turner, and Horne. 2,972,806.
Horne, Campbell C. 2,970,368.
Horne, Campbell C. 3,014,693.
Hurley, John L., and Armstrong. 3,008,820.
Ills, Alexander, and Queneau. 2,998,311.
Knapp, Burton B., and Wesley. 3,007,856.
Kozlik, Roland A. 2,987,817.
Leaberry, Ernest F., Hendershot, and Edwards. 2,973,563.
Llewelyn, David M., and West. 2,989,373.
Llewelyn, David M., and West. 3,007,775.
Morton, Byron B., and Rice. 2,982,360.
Queneau, Paul E. 3,004,846.
Reid, Frank H. 2,992,099.
Rhys, David W. 2,988,446.
Turner, Philip G. 3,014,692.
Turner, Philip G., and Stuart. 2,972,807.
Wesley, Waclaw A., Knapp, and McKay. 3,009,236.
Wesley, Waclaw A., Knapp, and McKay. 3,009,238.
West, De Witt H., and Llewelyn. 2,995,780.
Worn, David K. 2,987,778.
Worn, David K., and Buttress. 3,000,802.
Yeo, Ralph B. G., and Beasley. 2,992,148.
Young, Charles E. 2,998,198.

International Optical Co., Inc.: *See*—
Pearson, Carlton J. 2,992,519.

International Packaging Corp.: *See*—
Demler, Ray C. 2,974,461.

International Packers Ltd.: *See*—
Turner, Earl W. 3,010,829.

International Paper Co.: *See*—
Ford, Barton H. 2,969,112.
Ford, Barton H. 2,977,148.
Hollis, Clinton R. 3,002,747.
Strine, Philip C. 2,987,236.

International Rectifier Corp.: *See*—
Diebold, Edward J. 2,994,030.
Diebold, Edward J. 3,007,088.
Escotfery, Charles A. 3,005,862.
Kadelburg, Kurt. 2,994,017.
Wallace, Clarence L., Jr. 2,989,575.

International Register Co.: *See*—
Ellis, Robert B. 2,974,302.
Gallagher, William P., Stolle, and Schroeder. 2,973,659.
Stolle, Anthony D., and Ellis. 2,974,212.

International Research and Development Corp.: *See*—
Crawford, Arthur R., Ongaro, Rushin, and Ellis. 2,970,478.
Crawford, Arthur R., and Thomas. 3,012,246.
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International Resistance Co.: *See*—
Burns, Jerome G. 2,980,055.
Burns, Jerome G. 3,001,621.
Hauth, Willard E., Jr., and Janakirama-Rao. 2,997,401.
Pugh, Henry D., and Hauth. 2,977,561.
Solow, Benjamin. 2,985,951.

International Salt Co., Inc.: *See*—
Jacoby, Charles H. 3,012,764.
Ladenburg, Kurt, and Bloomberg. 2,977,189.
Ladenburg, Kurt, and Ploss. 3,009,775.

International Shoe Co.: *See*—
Bowen, Willard E. 2,990,626.
MacQuaid, Craig, Jr., and Koehrmann. 3,007,083.
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Adelaar, Hans H., and Masure. 2,997,626.
Augustin, Johann. 3,006,987.
Beck, Arnold H. W. Re. 25,070.
Beck, Arnold H. W. 3,013,171.
Beck, Arnold H. W., Rogers, and Burke. 2,974,246.
Benmussa, Henri, and Mingaud. 2,999,132.
Bray, Frederick H., and Knight. 3,001,029.
Brooks, Norman C. 2,997,642.
Buckley, Sidney E., and Owen. 3,000,828.
Bush, Eric L. 2,987,139.
Dal Bianco, Bruno, and Scata. 3,014,102.
Dumousseau, Claude R. J., and Touraton. 2,999,140.
Field, Andrew G. 3,013,176.
Gohorel, Fernand P. 2,979,642.
Grewe, Theodor. 2,991,369.
Grottrup, Helmut. 2,997,541.
Gröttrup, Helmut, and Schiebeler. 2,971,055.
Hartley, George C. 2,984,703.
Hartley, George C. 2,997,545.
Heaton-Armstrong, Louis J. 2,971,059.
Hezel, Alois, and Weisser. 2,989,593.
Hezel, Alois, and Weisser. 2,999,227.
Jackson, Thomas M., and Sell. 2,971,109.
Keilig, Wolfgang. 3,006,640.
Klepp, George F., and Dalton. 2,996,635.
Kruithof, Jakob, Nys, and Donceel. 3,001,022.
Lawson, Anthony N. 2,974,222.
Le Queau, Roger L. M. 3,008,010.
Lesti, Arnold. Re. 24,987.
Lewin, Leonard, and Klinger. 3,013,217.
Lewin, Leonard, Thompson, and Sagnard. 2,985,851.
Lieb, Albert. 2,989,636.
Lieb, Albert. 2,999,165.
McWhirter, Eric M. S. 2,970,757.
Merz, Gerhard. 2,985,865.
Mills, Ronald G. 2,989,740.
Minakovic, Borivoje. 3,013,177.
Mittag, Fritz, and Lindner. 2,980,235.
Mittag, Fritz, and Lindner. 2,997,253.
Pouliart, Willy H. P., and Jacobin. 2,979,244.
Pouliart, Willy H. P., and Vandevenne. 2,989,236.
Pouliart, Willy H. P., and Van Mechelen. 2,977,574.
Reiner, Hans. 3,013,160.
Ridler, Desmond S. 2,974,312.
Scheidig, Rudolf. 3,008,019.
Schimack, Johannes. 2,999,166.
Sim, Alan C. 2,985,807.
Starr, Arthur T. 3,013,192.
Steinbach, Heinz, and Bernutz. 3,001,024.
Steinbach, Heinz, and Scheidig. 2,980,891.
Steinbuch, Karl. 2,993,596.
Steinbuch, Karl, and Schottle. 3,006,466.
Steiner, Fritz and Friedrich. 2,994,082.
Sterling, Henley F. 2,989,878.
Sterling, Henley F., and Bush. 2,993,762.
Stobbe, Helmut, and Heitmann. 2,999,130.
Thwaites, George P., and Downing. 2,973,787.
Treadwell, Cyril G. 2,985,834.
Uderstadt, Erich. 2,985,276.
Van Mechelen, Guillaume. 2,987,705.
Wagner, Hans, and Hinrichs. 2,989,578.
Wlodarczak, Heinz. 2,980,228.
Wright, Esmond P. G. 2,973,900.
Wright, Esmond P. G. 2,977,577.
Wright, Esmond P. G. 3,013,120.
Wright, Esmond P. G. 3,013,251.
Wright, Esmond P. G., and Rice. 3,001,021.
Wright, Esmond P. G., and Terry. 2,974,197.
Wright, Esmond P. G., Weir, and Rice. 2,981,789.
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Forrester, William A. 2,989,948.
Heilman, George P. 2,987,725.
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Nystrom, Karl F. 2,973,102.
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Seelenbinder, Robert F. 2,981,016.
International Telephone and Telegraph Corp.: *See*—
Adams, Robert T. 2,975,275.
Adams, Robert T., and Harvey. 2,975,367.
Adams, Robert T., and Harvey. 2,995,934.
Adams, Robert T., and Mindes. 2,979,613.
Adams, Robert T., Mindes, and Lyon. 3,013,151.
Alexander, Ben, Rogoff, and Vosburgh. 2,975,417.
Altonji, Edmund R., and Kunkel. 2,987,717.
Anderson, Charles E. 2,987,644.
Anderson, Charles E. 3,007,076.
Apt, Lloyd D. 3,014,097.
Avery, Howard, Kingsland, and Parker. 2,979,719.
Bellamy, John I. 2,974,199.
Bellamy, John I. 3,007,638.
Biagi, Alvaro D. 2,979,609.
Blake, Neal A., and Fromm. 2,967,906.
Bresk, Raymond H., and Majkrzak. 2,982,964.
Brodie, George H., and Radcliffe. 2,991,428.
Brown, Thomas G., Jr. 3,013,119.
Busignies, Henri G. 2,971,190.
Cafarelli, Nicholas J., Jr. 2,968,034.
Cheilik, Philip. 3,013,255.
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International Telephone and Telegraph Corp.: *See*—Con.
Cookson, Albert E. 3,007,044.
Davis, Dean W. 2,975,015.
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Dees, Julian W. 3,002,155.
Deloraine, Edmond M., and Busignies. 3,015,096.
De Rosa, Louis A., and Fischer. 3,007,163.
Dickenson, George K., and Page. 3,004,236.
Di Toro, Michael J. 3,013,212.
Dodington, Sven H. M. 2,978,699.
Dodington, Sven H. M. 2,981,943.
Dodington, Sven H. M. 3,007,159.
Erst, Stephen J., and Bowden. 2,969,018.
Farnsworth, Philo T. 2,992,346.
Farnsworth, Philo T. 2,992,358.
Fawcett, Daniel G., and Carpenter. 2,975,298.
Ferrar, Robert C. 3,007,120.
Fischer, Laurin G. 3,013,264.
Fischer, Laurin G., and Bibbins. 2,981,472.
Fromm, Kenneth N., and Richards. 2,992,396.
Gatfield, Allen G., and Thoman. 2,987,574.
Geiger, Richard H., and Wilmarth. 2,994,008.
Gibson, John C. 2,998,493.
Glomb, Walter L. 2,996,613.
Gobat, Andre R. 2,981,849.
Goldstein, Ladislas. 2,975,375.
Gray, Richard E., and McColl. 2,967,908.
Grieg, Donald D., and Reade. 2,985,754.
Groce, John C. 2,993,195.
Groce, John C., and Rusch. 2,975,410.
Gutleber, Frank S. 3,013,150.
Haigh, Leslie B., and Tuttle. 3,013,111.
Halina, Joseph W. 2,979,611.
Harvey, Jack B. 2,987,135.
Harvey, Jack B. 2,993,142.
Heiser, William H. 2,996,711.
Herbig, Henry F., and Schmidt. 2,993,092.
Himmel, Leon. 2,975,418.
Hinton, Raymond C. P., Dzula, and Fettweis. 3,013,253.
Hollis, Richard P. 2,996,675.
Holt, James F. 3,002,087.
Honeiser, Vladimir P. 2,987,706.
Honeiser, Vladimir P. 3,004,242.
Honeiser, Vladimir P., and Margetts. 3,007,138.
Hughes, Robert W., and Fawcett. 2,993,196.
Hughes, Robert W., and Sichak. 2,979,716.
Hulst, George D. 2,993,203.
Ioakimidis, Anthony M. 2,986,659.
Johnson, Lee C., and McVey. 2,968,769.
Jones, Claude E., Jr., and Luongo. 2,987,715.
Judy, Robert V. 2,971,061.
Kaspar, Josef, and Bielski. 2,970,747.
Krause, Irving A. 2,999,154.
Kruse, Paul W. 2,997,630.
Labin, Emile. 3,002,089.
Lair, Julien J. B. 2,979,712.
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Levin, Herbert L. 3,004,183.
Lewinter, Sidney W. 2,999,236.
L'Heureux, Robert C. 2,997,408.
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Luongo, Joseph, and Davidoff. 2,996,703.
Macalpine, William W. 2,993,204.
Mason, Charles F. 2,985,828.
Masonson, Martin. 2,999,155.
McHenry, Carl D. 2,986,699.
McQuistan, Richmond B. 2,987,686.
Meadows, Harley R. 2,972,677.
Miller, Carlos C., Jr. 3,007,009.
Noll, Frank R. 2,993,127.
O'Connor, David T., and Fabish. 2,977,535.
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Plouffe, Robert L., Jr., and Weintraub. 3,004,227.
Polen, George R. 2,996,665.
Polyzou, James. 2,987,712.
Rabow, Gerald. 2,992,837.
Renick, Robert C., and Pasquier. 2,975,272.
Rennenkampf, Leonard J. 3,007,043.
Richeson, William E., Jr., and Blake. 2,997,651.
Rogoff, Mortimer. 3,007,161.
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Schlansker, Kermit C., and Langan. 2,997,643.
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Silvey, John O. 2,989,627.
Silvey, John O. 2,997,582.
Simkovich, John R. 3,013,230.
Simon, Frank N. 2,991,633.
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Jakobsson, Per Å. H., Sebardt, and Öhrn. 2,989,793.

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Hammer, Jacobus A. 2,997,236.
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Kent, Frederick J., and Sedlacsik. 3,011,472.
Sedlacsik, John, Jr. 3,000,574.
Sedlacsik, John, Jr. 3,001,890.
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Nafziger, Ralph L. 3,011,692.
Rouse, Charles F., Jr., Powell, and Hartman. 3,012,697.
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Back, Leonard, and Weatherby. 2,998,788.
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Pettler, Eugene D., and Intrator. 3,013,103.
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In'T Veld, Cornelis and J. Method and apparatus for cleaning the interior of a tank. 2,991,203, 7–4–61, Cl. 134—24.
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Kopaczek, Ted F. 2,987,688.
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Murrish, Clarence L. 2,973,758.
Invengineering, Inc.: *See*—
Lee, Arnold S. J. 2,989,256.
Inventa A.G. fuer Forschung und Patentverwertung: *See*—
Berther, Clau. 3,007,921.
Delters, Wilhelm, and Giesen. 3,007,972.
Gabler, Rudolf, Giesen, and Zehnder. 2,993,879.
Giesen, Johann, and Delters. 2,967,874.
Giesen, Johann, and Müller. 3,011,002.
Inventa A.-G. fur Forschung und Patentverwertung Luzern: *See*—
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Lerner, Hershey. 3,009,618.
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Roth, Oskar. 2,969,333.
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Hyde, Floyd D. 2,972,863.
Inwood, Texas V., to Union Oil Co. of California. Hydrorefining of crude oils. 2,988,501, 6–13–61, Cl. 208—211.
Ioakimidis, Anthony M., to International Telephone and Telegraph Corp. Single pole, double throw electronic gate circuit. 2,986,659, 5–30–61, Cl. 307—88.5.
Ioannilli, Joseph R.: *See*—
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Iob, Luigi, ½ to F. Ossanna. Packaging coins. 2,966,769, 1–3–61, Cl. 53—254.
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Iori, James A. Venetian blind rack. 2,996,747, 8–22–61, Cl. 15—268.
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Bolle, Victor W. 2,976,619.
Bridger, Grover L. 3,011,888.
Davidson, Donald T., and Nicholls. 2,981,162.
Hammond, Earl G., and Deane. 2,982,654.
Hughes, William L. 2,969,425.
Kirkham, Don, and Stone. 2,999,160.
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Irani, Meherwam C., to Metal Chlorides Corp. Methods of manufacturing boron trichloride. 2,997,370, 8–22–61, Cl. 23—205.
Irby, Jesse C., Jr. High fidelity loud speaker cabinet. 2,979,150, 4–11–61, Cl. 181—31.
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Ireland, John P., Jr., to E. I. du Pont de Nemours and Co. Blasting cap. 2,987,997, 6–13–61, Cl. 102—28.
Ireland, Murray, to McGraw-Edison Co. Insulator construction. 2,986,594, 5–30–61, Cl. 174—138.
Ireton, Earl T., and H. G. Krauss, to Boeing Airplane Co. Oscillator. 3,011,354, 12–5–61, Cl. 74—25.
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Irgens, Finn T., to Outboard Marine Corp. Saw chain with a center scoring guide cutter. 2,989,096, 6–20–61, Cl. 148—135.
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Irish, Glenn E., to Ethyl Corp. Pyroborate-containing jet fuel compositions. 3,009,798, 11–21–61, Cl. 52—.5.
Irish, Glenn E., and M. S. Baylerian, to Ethyl Corp. Liquid hydrocarbon compositions. 2,996,451, 8–15–61, Cl. 252—49.6.
Irish, Glenn E., and L. F. Gilbert, to Ethyl Corp. Liquified chelate gasoline additives. 3,003,859, 10–10–61, Cl. 44—68.
Irish, Glenn E., J. B. Hinkamp, and J. D. Bartleson, to Ethyl Corp. Complex boron esters. 3,014,061, 12–19–61, Cl. 260—462.
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Iron Fireman Mfg. Co.: *See*—
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Runninger, Frederick L. 3,001,574.
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Swenson, Paul F., and Cooperrider. 3,001,479.
Thierman, Irwin B. 3,012,440.
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Irvin, Clifford M., Jr., to Southwest Specialty, Inc. Game display. 2,998,131, 8–29–61, Cl. 206—47.
Irvin, Dee L. V., to John Hansen. Honing device for slicing machines. 2,997,823, 8–29–61, Cl. 51—246.
Irvin, Howard B., to Phillips Petroleum Co. Manufacture of hydrocarbon polymers. 3,008,938, 11–14–61, Cl. 260—88.2.
Irvin, Howard H., to Borg-Warner Corp. Blend of graft copolymer of polybutadiene, styrene and acrylonitrile with interploymer of alpha methyl styrene and acrylonitrile. 3,010,936, 11–28–61, Cl. 260—45.5.
Irvine, John A., and G. M. Rendall, to Ferranti, Ltd. Electronic counters. 2,975,329, 3–14–61, Cl. 315—84.6.
Irvine, John M., to Koppers Co., Inc. Process of straightening crooked wooden poles and piles. 2,973,793, 3–7–61, Cl. 144—327.
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Irving, Francis, C. H. Reece, and R. H. Wilsen, to Imperial Chemical Industries Ltd. New anthra-1′:9′(N):10′(N):5′-dipyridazones and anthra-1′:9′(N):10′(N):4′-dipyridazones chemical compounds. 2,992,220, 7–11–61, Cl. 260—250.
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Irwin, Arthur S., to Marlin-Rockwell Corp. Sprag clutch bearing. 3,006,447, 10–31–61, Cl. 192—45.1.
Irwin, Earl N. Device for restraining prisoners in a compartment of an automobile. 3,007,331, 11–7–61, Cl. 70—57.
Irwin, Edmund M., R. C. Keetch, and L. W. Wright, to General Motors Corp. Temperature datum fuel control. 3,003,314, 10–10–61, Cl. 60—39.28.
Irwin, Francis D.: *See*—
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Irwin, Frank M., 50% to R. H. Pope. Compressed air purifier. 2,976,954, 3–28–61, Cl. 183—113.
Irwin, Fred W., and W. J. Elsaesser. Tool holder. 2,986,056, 5–30–61, Cl. 82—36.
Irwin, George, to Herbert George Co. Flash camera and reflector. 2,977,865, 4–4–61, Cl. 95—11.
Irwin, George, to George Herbert Co. Flash camera. 3,001,461, 9–26–61, Cl. 95—11.5.
Irwin, John A., to Ford Motor Co. Hot wire igniter. 2,967,224, 1–3–61, Cl. 219—32.
Irwin, John L. Combined end stop and steadying device. 2,981,539, 4–25–61, Cl. 269—192.
Irwin, John P. Automatic hook-setting fishing rod holder. 2,986,834, 6–6–61, Cl. 43—15.
Irwin, William R. Liquid handling by-pass safety control. 2,988,279, 6–13–61, Cl. 236—26.
Irwin, William R. Track and roller game. 3,011,788, 12–5–61, Cl. 273—96.
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Caverhill, Alan R., Coats, and Isaacs. 3,012,066.
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Isaacs, Howard C.: *See*—
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Isaacs, William B., Jr. Vehicular-mounted apparatus for loading and unloading packaged loads at a side of the vehicle. 2,971,661, 2–14–61, Cl. 214—80.
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Isaacson, Max, to Globe Industries, Inc. Electric motor. 2,986,665, 5–30–61, Cl. 310—154.
Isaacson, Walter P., and L. H. Tejada-Flores, to Dresser Industries, Inc. Signal failure indication and system control. 2,982,943, 5–2–61, Cl. 340—18.
Isabeau, Jean G., to Zenith Radio Corp. Transistor control system. 2,997,603, 8–22–61, Cl. 307—88.5.
Isabeau, Jean G. V., to Zenith Radio Corp. Pulse-discriminating circuits. 3,006,996, 10–31–61, Cl. 178—7.3.
Isachsen, Ludvik. Steering mechanism for steering of the wheels of a trailer coupled to a tractor vehicle. 2,974,978, 3–14–61, Cl. 280—444.
Isaksen, Robert A., and E. H. Merz, to Monsanto Chemical Co. Uniaxially oriented polyvinyl chloride. 2,984,593, 5–16–61, Cl. 154—46.
Isaksen, Robert A., M. Ezrin, S. Newman, and R. Buchdahl, to Monsanto Chemical Co. Biaxially oriented crystalline polystyrene. 2,997,743, 8–29–61, Cl. 18—48.
Isbell, Donald K.: *See*—
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Isbell, Donald K., to General Motors Corp. Combination tool and fitting for bleeding a brake and adjusting a wheel bearing. 2,970,673, 2–7–61, Cl. 188—18.
Isbell, Dwight E., to The University of Illinois Foundation. Frequency independent unidirectional antenna. 3,011,168, 11–28–61, Cl. 343—908.
Isbell, Joe A., to Union Metal Products, Inc. Scaffold structure. 2,985,428, 5–23–61, Cl. 254—135.
Isbell, Vernan. Hair curler. 3,007,477, 11–7–61, Cl. 132—40.
Isbell, Willard D., to Midwestern Instruments, Inc. Tape reel lock. 3,002,705, 10–3–61, Cl. 242—68.2.
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Isbrandtsen, Waldemar M., T. F. Bridges, and P. Soros, to Isbrandtsen Co., Inc. Self loading and discharging vessel. 3,009,586, 11–21–61, Cl. 214—15.
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Ise, Robert E. Tree support. 3,010,256, 11–28–61, Cl. 47—42.
Iseli-Bossardt, Eduard, to Iseli & Co. Portable soil sterilizer. 2,988,624, 6–13–61, Cl. 219—19.
Iseli & Co.: *See*—
Iseli-Bossardt, Eduard. 2,988,624.
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Schwyzer, Robert, Iselin, Kappeler, Rittel, and Riniker. 2,978,444.
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Young, William S., Condo, Hunter, and Iserson. 3,007,783.
Isham, Basil O., to United States of America, Navy. Hook. 3,013,517, 12–19–61, Cl. 114—230.
Isham, Timothy. Heat exchange apparatus. 3,006,611, 10–31–61, Cl. 257—191.
Isham, Timothy. Tow bar. 3,013,816, 12–19–61, Cl. 280—453.
Isherwood, Clarence V. Pop-up bathroom sink stopper. 3,010,118, 11–28–61, Cl. 4—203.
Isherwood, Robert: *See*—
Nicklin, Thomas, Sommerville, Brunner, and Isherwood. 2,997,439.
Ishii, Hiroshige: *See*—
Tanimura, Hiroshi, and Ishii. 3,010,014.
Ishino, Seizo, and M. Osaka, to Fuji Kazaku Kogyo Kabushiki Kaisha. Process for the manufacture of magnesium aluminosilicate for medical uses. 2,970,889, 2–7–61, Cl. 23—110.
Ishioka, Shozo, G. Matsumoto, and M. Akeyama, to Hitachi Ltd. Automatic bevel gear tooth generating machine. 3,001,455, 9–26–61, Cl. 90—3.
Ishiwara, Hitoshi: *See*—
Kato, Jiro, Wakamatsu, and Ishiwara. 2,978,481.
Ishizaki, Keizo: *See*—
Ohtake, Tadashi, Ishizaki, and Eguchi. 2,968,092.
Ishler, Harry K.: *See*—
McMahon, John F., Jr., Clarke, and Ishler. 2,985,806.
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Guex, Waldewar, Isler, Rüegg, and Ryser. 3,014,052.
Guex, Waldemar, Isler, Rüegg, and Ryser. 3,014,053.
Isler, Otto, M. Montavon, R. Rüegg, G. Saucy, U. Schwieter, and H. Lindlar, to Hoffmann-La Roche Inc. 1,1,3-trilower alkoxy-4-methyl-4-hepten-6-yne. 2,970,174, 1–31–61, Cl. 260—615.
Isler, William. Universal bearing. 3,007,747, 11–7–61, Cl. 308—72.
Isley, Cary T., Jr., to The Martin Co. Electrical computers. 2,967,020, 1–3–61, Cl. 235—193.
Isley, Cary T., Jr., to United States of America, Air Force. Technique for the determination of the width of a rectangular pulse. 2,994,822, 8–1–61, Cl. 324—68.
Isley, Randolph I., to Glen Raven Knitting Mills, Inc. Tights and method of making. 3,007,327, 11–7–61, Cl. 66—177.
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Jacobson, Ulf C. H. 2,986,535.
Jacobson, Ulf C. H. 2,987,774.
Isomet Corp.: *See*—
Ruderman, Irving W. 3,008,045.
Isotopes Inc.: *See*—
Janes, Richard D. 3,004,548.
Israel, Dorman D., and J. E. Bayha, to United States of America, Air Force. Electrically operated fuze. 2,991,716, 7–11–61, Cl. 102—70.2.
Israel, John O., to Bell Telephone Laboratories, Inc. Apparatus for generating oscillations of different frequencies. 2,987,680, 6–6–61, Cl. 331—2.
Israel, Samuel, to York E. Langston, trustee. Cushioned shoe heel. 2,998,661, 9–5–61, Cl. 36—38.
Israelson, Evert G., and J. C. Morris, to Sperry Rand Corp. Power mechanism for noiseless typewriter. 2,976,977, 3–28–61, Cl. 197—17.
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Whitehead, Edwin C., Ferrari, and Isreeli. 3,010,800.
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Istel, Jacques A., and L. B. Sanborn, to Parachutes Inc. Parachute and attached sleeve. 2,978,212, 4–4–61, Cl. 244—148.
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Ito, Michiaki, to Nippon Electric Co., Ltd. Electron beam converging device. 3,013,172, 12–12–61, Cl. 313—84.
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Ittner, Edwin C. Intake for water supplies. 3,013,755, 12–19–61, Cl. 248—75.
Ivan, Steve D., to Chrysler Corp. Transmission shift lock. 2,969,690, 1–31–61, Cl. 74—477.
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O'Meara, John R., and Lefebvre. 3,001,643.
Iversen, Arthur H., to Hughes Aircraft Co. Liquid-cooled traveling wave tube. 2,970,240, 1–31–61, Cl. 315—3.5.
Ives, Carlton F. Device for measuring lumber. 2,969,180, 1–24–61, Cl. 235—87.
Ives, Kenneth A.: *See*—
Brown, Leslie S., Ives, and L'Hollier. 2,977,691.
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Tessmer, Ernest H., Jr., and Iveson. 2,973,381.
Ivie, James O. Automatic oiler for air pumps. 2,978,170, 4–4–61, Cl. 230—207.
Ivins, Herbert L., to Olin Mathieson Chemical Corp. Explosive actuated testing device. 2,966,791, 1–3–61, Cl. 73—12.
Ivison, Maynard T., to Union Carbide Corp. Toothpaste composition. 2,991,229, 7–4–61, Cl. 167—93.
Ivy, Jessie T. Firing mechanism for bolt action repeating rifle. 2,967,367, 1–10–61, Cl. 42—69.
Ivy, Jessie T. Trigger safety latch for firearms. 2,978,826, 4–11–61, Cl. 42—70.
Ivy, Jessie T. Selective automatic fire converter for bolt action rifle. 2,978,962, 4–11–61, Cl. 89—140.
Iwaki Garasu Kabashiki Kaisha: *See*—
Sato, Minoru. 2,986,847.
Iwamoto, Isamu: *See*—
Iwanaga, Ryoji, Iwamoto, and Yoshida. 3,010,994.
Iwanaga, Ryoji, I. Iwamoto, and T. Yoshida, to Ajinomoto Co., Inc. Synthesis of glutamic acid from acrylonitrile. 3,010,994, 11–28–61, Cl. 260—534.
Iwanowski, Walter M.: *See*—
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Iwasaki, Koichiro: *See*—
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Iwerks, Ub, to Haloid Xerox, Inc. Xerographic powder image transfer apparatus. 2,995,108, 8–8–61, Cl. 118—637.
Iyengar, Bindiganavale R. Y., to E. I. du Pont de Nemours and Co. Synthetic fiber papers. 3,013,936, 12–19–61, Cl. 162—157.
Iyoda, Jun: *See*—
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Izawa, Shigeru: *See*—
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Izumitani, Tetsuro, to The Director of the Agency of Industrial Science and Technology, The Ministry of International Trade and Industry, Japanese Government. Optical glass. 2,967,779, 1–10–61, Cl. 106—54.
Izzi, Alma A. Infant restraining device. 2,995,407, 8–8–61, Cl. 311—5.
J & B Mfg. Co.: *See*—
Broadhead, James H., Johnson, and Smith. 3,003,297.
J.B.T. Instruments, Inc.: *See*—
Umlie, Louis J., and Fitzgerald. 3,007,111.
J-Dapter Co.: *See*—
McCormick, Rayna H. 2,994,236.
J.E. Plastics Mfg. Corp.: *See*—
Ross, Bruce. 2,974,825.
J.F.D. Mfg. Co., Inc.: *See*—
Mirrione, James J. 2,978,014.
J & S Carburetor Co.: *See*—
Jones, Sam P. 2,983,592.
Jablansky, Louis: *See*—
Baer, Maurice, Tweed, Lerner, and Jablansky. 3,000,720.
Jablonsky, Erich, to Zahnradfabrik Friedrichshafen, Aktiengesellschaft. Auxiliary power steering for motor vehicles. 2,975,764, 3–21–61, Cl. 121—42.
Jabsco Pump Co.: *See*—
Doble, Warren. 3,014,429.
Doble, Warren, and Sully. 3,005,528.
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Sully, Frank H. P. 2,976,811.
Jaccard, Pierre M. Device for affixing leads to a fishing line. 2,974,552, 3–14–61, Cl. 81—15.
Jaccard, René P., to Samuel Jack Kaufman. Automatically variable alarm for timepiece. 2,979,885, 4–18–61, Cl. 58—21.12.
Jack, Daniel A., to Union Pump Co. Bearing assembly. 3,006,702, 10–31–61, Cl. 308—189.
Jack, David, and G. Sutno, to Smith, Kline & French Laboratories, Ltd. Preparation of 1-aminohydantoin derivatives. 2,990,402, 6–27–61, Cl. 260—240.
Jack & Heintz, Inc.: *See*—
Kahle, Hermann A. 2,972,058.
Jack, James, to Imperial Chemical Industries Ltd. Composition comprising an organopolysiloxane resin and a carbodiimide. 2,973,334, 2–28–61, Cl. 260—33.6.
Jack, William A., to Johns-Manville Corp. Ventilating through fissured acoustical unit. 2,967,583, 1–10–61, Cl. 181—33.
Jack, William A., to Johns-Manville Corp. Air regulation means in a sound absorbing and ventilating ceiling. 2,973,703, 3–7–61, Cl. 98—40.
Jacke, Raymond E., to Reynolds Metals Co. Lined container for liquids and liner therefor. 2,998,178, 8–29–61, Cl. 229—14
Jacke, Raymond E., and C. F. Manning, to Reynolds Metals Co. Food container for freezing and heating. 2,970,735, 2–7–61, Cl. 229—3.5.
Jackel, Arthur P., to Westinghouse Air Brake Co. Programming circuits. 2,972,089, 2–14–61, Cl. 317—140.
Jackel, Arthur P., and D. E. Stark, to Westinghouse Air Brake Co. Coordination circuits for remote control and indication systems. 3,001,182, 9–19–61, Cl. 340—180.
Jacklin, Roger L.: *See*—
Du Shane, Wallace H., and Jacklin. 2,968,188.
Fox, Richard L., Troemner, and Jacklin. 2,975,651.
Jackman, Charles W.: *See*—
Weiss, Irwin K., Mair, Jackman, Brown, and Sayers. 2,978,253.
Jackman, Melvin F., to Luderjak Co. Clamping mechanism. 2,986,183, 5–30–61, Cl. 144—291.
Jackman, Robert M., to The Dow Chemical Co. Method of lamination. 3,007,833, 11–7–61, Cl. 156—85.
Jackowski, Charles S.: *See*—
Haney, Donald W., and Jackowski. 3,002,677.
Jackowski, Charles S., to International Business Machines Corp. High speed punch. 3,002,678, 10–3–61, Cl. 234—114.
Jackowski, Charles S., and F. Saltz, to International Business Machines Corp. Multispeed indexing device. 2,969,729, 1–31–61, Cl. 101—93.
Jackson, Alfred D., to Rotol Ltd. Control systems for aircraft propellers. 2,994,385, 8–1–61, Cl. 170—135.24.
Jackson, Alonzo C., J. H. Hunt, and L. A. Maier, Jr., to Combustion Engineering, Inc. Compact pressure induction welding apparatus for portable and other use. 3,007,022, 10–31–61, Cl. 219—9.5.
Jackson, Anton, and B. A. Jackson. Element for detachably coupling electrical contacts with a connector body. 2,979,689, 4–11–61, Cl. 339—217.
Jackson, Arnel E., to Radio Corp. of America. Dual drum slide projector. 2,967,457, 1–10–61, Cl. 88—27.
Jackson, Arthur N., Ltd.: *See*—
Jackson, Arthur N. 2,990,742.
Jackson, Arthur N., to Arthur N. Jackson Ltd. Machines for cropping tubes. 2,990,742, 7–4–61, Cl. 83—186.
Jackson, Arthur T. D., and E. L. Farmer, to Mellor Bromley & Co. Ltd. Yarn feeding and controlling means for knitting machines. 2,967,413, 1–10–61, Cl. 66—132.
Jackson, Boris A.: *See*—
Jackson, Anton, and Jackson. 2,979,689.
Jackson, Calvin D. Educational game device. 3,002,294, 10–3–61, Cl. 35—19.
Jackson, Carlton T., to General Railway Signal Co. Switch point indicator for railway traffic controlling system control panels. 2,967,233, 1–3–61, Cl. 246—162.
Jackson, Charles E., and G. A. Snow, to Chicago Bridge & Iron Co. Apparatus for use in depositing weld metal as spiral, partially overlapping courses on the interior of a shell. 3,010,010, 11–21–61, Cl. 219—76.
Jackson, Chauncey D., W. L. Batchelor, and D. B. Thompson, to International Business Machines Corp. Electromagnetic eraser. 2,975,239, 3–14–61, Cl. 179—100.2.
Jackson, Clarence W. Machine for the manufacture of concrete building units. 3,002,249, 10–3–61, Cl. 25—99.
Jackson, Clark E., to Purex Corp. Seal displacing device. 2,985,436, 5–23–61, Cl. 259—125.
Jackson, Clark E., and F. D. Vassar, to Purex Corp., Ltd. Parts cleaning rack and method. 3,011,922, 12–5–61, Cl. 134—1.
Jackson, Clifford C.: *See*—
Loofbourrow, Alan G., Ball, Finkenauer, and Jackson. 2,992,852.
Jackson, Donald R. P.: *See*—
Chalmers, John W., and Jackson. 2,984,384.
Jackson, Edmund C. Photographic print coater and uncurler for a self-developing camera. 2,995,994, 8–15–61, Cl. 95—13.
Jackson, Ellison W. Optical devices. 2,992,432, 7–18–61, Cl. 2—14.
Jackson, Floyd H., to American Stair-Glide Corp. Elevator for stairways. 2,985,257, 5–23–61, Cl. 187—12.
Jackson, Francis L., to The Franklin Institute. Method of simulating coolant flow in a model of a reactor. 2,987,830, 6–13–61, Cl. 35—13.
Jackson, Francis L., to The Franklin Institute. Closed-cycle power plant. 3,006,146, 10–31–61, Cl. 60—40.
Jackson, Frank M.: *See*—
Wiseman, Ben W., Jr., and Jackson. 2,986,214.
Jackson, George W.: *See*—
Schilling, Robert, Owen, and Jackson. 2,987,311.
Jackson, George W., to General Motors Corp. Door operating mechanism. 2,992,819, 7–18–61, Cl. 268—59.
Jackson, George W., and G. L. Dafler, to General Motors Corp. Check valve. 3,006,363, 10–31–61, Cl. 137—525.
Jackson, Harold E., and L. Rosenfeld, to Tecalemit Ltd. Plastic combining elements. 3,013,667, 12–19–61, Cl. 210—493.
Jackson, Harold L., to E. I. du Pont de Nemours and Co. Catalytic process for polymerizing chloroprene to a solid elastomer. 3,004,011, 10–10–61, Cl. 260—92.3.
Jackson, Harold L., and H. C. Miller, to E. I. du Pont de Nemours and Co. Adducts of diborane with metal salts. 2,992,885, 7–18–61, Cl. 23—14.
Jackson, Harold L., and K. L. Seligman, to E. I. du Pont de Nemours and Co. Catalytic process for polymerizing chloroprene to a solid elastomer. 3,004,012, 10–10–61, Cl. 260—92.3.
Jackson, Harry E.: *See*—
Bushell, Charles H. G., and Jackson. 2,975,895.
McDonnell, Basil, and Jackson. 3,002,881.
Jackson, Harry E., to The Consolidated Mining and Smelting Co. of Canada Ltd. Process for the production of melamine and guanidine sulphate. 3,005,819, 10–24–61, Cl. 260—249.7.
Jackson, Isaac E., to H. E. Lefton. Tool to prepare rivets for heading. 2,990,734, 7–4–61, Cl. 81—3.
Jackson, J. F.: *See*—
Gore, Jesse L. 2,989,108.
Jackson, James C. Combination cooking apparatus. 2,999,450, 9–12–61, Cl. 99—262.
Jackson, James M., Jr., to The V. L. Smithers Mfg. Co. Covered cut flower holder. 2,994,985, 8–8–61, Cl. 47—41.
Jackson, James O., to Pittsburgh-Des Moines Steel Co. Double shell pressure tank. 3,011,674, 12–5–61, Cl. 220—15.
Jackson, John: *See*—
Grade, Tullio E., and Jackson. 2,969,631.
Jackson, John, and A. G. Logan, to American Machine & Foundry Co. Apparatus for applying transverse strip to wrapper web. 3,008,383, 11–14–61, Cl. 93—1.
Jackson, John E. Portable crack router. 2,984,471, 5–16–61, Cl. 262—27.
Jackson, John G., Jr., and A. F. Rhodes, to McEvoy Co. Multiple valve and connection. 2,990,851, 7–4–61, Cl. 137—595.
Jackson, John J., and J. E. Campanella. Toilet tissue dispenser. 3,007,177, 11–7–61, Cl. 4—1.
Jackson, John K., and J. R. Shull. Temperature control device for hypo-thermia treatment of a patient. 3,007,473, 11–7–61, Cl. 128—400.
Jackson, John M.: *See*—
Werner, Frank R., Jackson, Wooster, Flint, and Topper. 2,974,860.
Jackson, John M., and P. A. Macklin, to Armco Steel Corp. Coating metallic sheet or strip material with powdered annealing separator substances. 3,000,752, 9–19–61, Cl. 117—17.
Jackson, Kenneth E.: *See*—
Bitting, Russell D., Jackson, and Nowacki. 2,976,163.
Jackson, Kenneth E., to Esso Research and Engineering Co. Emulsion paints. 2,996,395, 8–15–61, Cl. 106—142.
Jackson, Leonard D. Smoke float. 2,978,716, 4–11–61, Cl. 9—8.
Jackson, Leslie K., to Harvard Mfg. Co. Caster with special supporting surface. 2,986,746, 6–6–61, Cl. 5—8.
Jackson, Martin A.: *See*—
Van Zelm, Willem D., and Jackson. 2,980,213.
Van Zelm, Willem D., Knochel, and Jackson. 2,979,163.

Jackson, Nolan C., to Wichita Precision Tool Co., Inc. Bag structure for garment finishing machines. 2,990,983, 7–4–61, Cl. 223—67.

Jackson, Nolan C., to Wichita Precision Tool Co., Inc. Bag control for garment finishing machines. 2,998,171, 8–29–61, Cl. 223—67.

Jackson, Norman W., to Moline Machine Co. Ltd. Apparatus for making mouthpiece cigarettes. 3,009,557, 11–21–61, Cl. 198—20.

Jackson, Paul R., ⅓ to Gadget-Of-The-Month Club, Inc. Panel mounted for movement between a vertical position, a horizontal position, and a position extended horizontally therefrom. 2,973,561, 3–7–61, Cl. 20—16.

Jackson, Paul S., to W. F. and John Barnes Co. Intermittent feeding mechanism for use in punch presses and the like. 3,014,393, 12–26–61, Cl. 83—257.

Jackson, Percy, to William Doxford & Sons (Engineers) Ltd. Piston engines. 2,979,967, 4–18–61, Cl. 74—579.

Jackson, Percy, to William Doxford & Sons (Engineers) Ltd. Opposed piston diesel engines. 2,998,808, 9–5–61, Cl. 123—41.72.

Jackson, Peter G., to Reflectone Electronics, Inc. Magnetic amplifier. 2,988,689, 6–13–61, Cl. 323—56.

Jackson, Philip W.: *See*—
Winger, Wayne D., Jackson, and Witt. 2,978,678.

Jackson, Richard T., to Riegel Paper Corp. Method of making paper product with glass and other special fibers. 3,012,929, 12–12–61, Cl. 162—145.

Jackson, Robert B.: *See*—
Melcher, Robert D., and Jackson. 3,005,131.

Jackson, Robert C.: *See*—
Richeson, James P., and Jackson. 2,986,912.

Jackson, Robert C., to The Chemstrand Corp. Pressure sealing device. 2,986,911, 6–6–61, Cl. 68—5.

Jackson, Robert C., and H. E. Haigler, to The Chemstrand Corp. Apparatus for longitudinal feeding and laying of flexible strands. 2,986,781, 6–6–61, Cl. 19—161.

Jackson, Robert E., to Challenge-Cook Bros., Inc. Photoelectric metering apparatus. 2,970,221, 1–31–61, Cl. 250—218.

Jackson, Robert J.: *See*—
Towner, George H., Fairris, and Jackson. 2,994,813.

Jackson, Robert J., and R. J. Carrigan, to Bigelow-Sanford, Inc. Method and apparatus for making patterned rough textured pile fabric floor covering. 3,009,485, 11–21–61, Cl. 139—25.

Jackson, Robert W.: *See*—
Beal, Philip F., III, Hogg, and Jackson. 2,989,523.

Jackson, Samuel H., to Kings Electronics, Inc. Cable clamp. 2,981,920, 4–25–61, Cl. 339—89.

Jackson, Samuel H., to Kings Electronics, Inc. Locking cable connector. 2,983,893, 5–9–61, Cl. 339—91.

Jackson, Thirston H., Jr., to Northrop Corp. Light chopper. 2,972,812, 2–28–61, Cl. 33—61.

Jackson, Thomas M., and E. A. F. Sell, to International Standard Electric Corp. Cold cathode tubes. 2,971,109, 2–7–61, Cl. 313—188.

Jackson, Thomas W., to Blakeslee, G. S., & Co. Parts treating machine. 2,978,229, 4–4–61, Cl. 259—3.

Jackson, Truman A. Implement attaching means. 2,996,129, 8–15–61, Cl. 172—460.

Jackson Vibrators, Inc.: *See*—
Keller, Ralph E. 2,996,016.

Jackson, Walter B.: *See*—
Moates, Guy H., Rubin, and Jackson. 3,006,737.

Jackson, Wilbur F.: *See*—
Wright, John W., Jackson, and Graham. 2,991,012.
Wright, John W., Jackson, and Graham. 3,002,519.

Jackson, Wilbur F., and J. W. Wright, to Robertshaw-Fulton Controls Co. Thermostatic control devices. 2,975,974, 3–21–61, Cl. 236—48.

Jackson, Wilbur F., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. Control device. 2,982,148, 5–2–61, Cl. 74—504.

Jackson, Wilbur F., and J. W. Wright, to Robertshaw-Fulton Controls Co. Flow control device. 2,982,300, 5–2–61, Cl. 137—495.

Jackson, Wilbur F., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. Combined temperature regulator and flame failure control. 2,993,646, 7–25–61, Cl. 236—9.

Jackson, Willard C., and W. E. Ruehmer, to Nordberg Mfg. Co. Method for grinding gyratory crusher wearing parts. 2,982,062, 5–2–61, Cl. 51—281.

Jackson, William H., to The Udylite Corp. Conveyor apparatus. 3,009,467, 11–21–61, Cl. 134—77.

Jackson, William L. Seat structure. 2,976,700, 3–28–61, Cl. 62—313.

Jackson, William M., to Bonney Forge & Tool Works. Welding stress-free outlet fitting. 2,981,556, 4–25–61, Cl. 285—22.

Jackson Winston J., Jr.: *See*—
Caldwell, John R., and Jackson. 2,968,646.
Caldwell, John R., and Jackson. 3,000,864.

Jackson, Winthrop E.: *See*—
Morello, William, Jr., and Jackson. 2,995,388.

Jacob, Allan S., to Syncro Corp. Capacitor. 3,011,083, 11–28–61, Cl. 310—72.

Jacob, Carlyle W., to United States of America, Navy. Self-biased gas discharge tube. 3,009,076, 11–14–61, Cl. 313—193.

Jacob, Carlyle W., to United States of America, Navy. Gas discharge tube sensitive to A.C. signals. 3,009,077, 11–14–61, Cl. 313—195.

Jacob, Ernst: *See*—
Graf, Roderich, and Jacob. 3,007,908.
Meyer, Kurt, Jacob, and Sommer. 2,988,543.

Jacob, Lawrence N., to Sun Oil Co. Removing hydrogen sulfide from hydrogen recycle in hydroforming process. 2,984,615, 5–16–61, Cl. 208—78.

Jacob, Mark I., to Westinghouse Electric Corp. Radio transmitter with tunable antenna. 2,989,624, 6–20–61, Cl. 250—17.

Jacob, Mark I., and W. R. Wilson, to United States of America, Navy. Grid modulation system for simultaneous AM and FM transmissions. 2,969,508, 1–24–61, Cl. 332—38.

Jacob, Raymond: *See*—
Rabeux, Jean, and Jacob. 2,976,890.

Jacob, Richard, 50% to G. Gedid. Washer sorting machine. 2,974,792, 3–14–61, Cl. 209—90.

Jacob, Robert H., to Aladdin Industries, Inc. Draw-through stopper for vacuum bottles or the like. 2,971,664, 2–14–61, Cl. 215—76.

Jacob, Robert M., and J. G. Robert, to Societe des Usines Chimiques Rhone-Poulenc. Phenthiazine compounds. 2,972,612, 2–21–61, Cl. 260—243.

Jacob, Robert M., and J. G. Robert, to Societe des Usines Chimiques Rhone-Poulenc. Phenthiazine derivatives. 2,975,175, 3–14–61, Cl. 260—243.

Jacob, Robert M., and N. M. Joseph, to Societe des Usines Chimiques Rhone-Poulenc. Ethers of 2-piperidylphenylmethanols. 2,976,291, 3–21–61, Cl. 260—294.7.

Jacob, Robert M., and J. G. Robert, to Societe des Usines Chimiques Rhone-Poulenc. New piperazinyl-alkyl-phenthiazines and their preparation. 2,985,653, 5–23–61, Cl. 260—243.

Jacobi, Bernhard, deceased (by M., I., and R. Jacobi, heirs), and O. Wolff, to Chemische Werke Huls Aktiengesellschaft. Purification of polyethylene with alkylene oxides. 2,974,132, 3–7–61, Cl. 260—94.9.

Jacobi, Edward N., to Briggs & Stratton Corp. Glove box lock with adjustable hook bolt. 3,003,348, 10–10–61, Cl. 70—84.

Jacobi, Ernst: *See*—
Van Schoor, Albert, Jacobi, Lust, and Flemming. 2,976,296.
Van Schoor, Albert, Jacobi, Lust, Flemming, and Muller. 3,000,780.

Jacobi, Ernst, S. Lust, A. van Schoor, and O. Zima, to E. Merck Aktiengesellschaft, Darmstadt. Pesticide, particularly an insecticide. 2,992,966, 7–18–61, Cl. 167—30.

Jacobi, Ernst, S. Lust, and A. Van Schoor, to E. Merck, Aktiengesellschaft. Insect repellents. 3,005,747, 10–24–61, Cl. 167—22.

Jacobi, Hans, to Ossberger Turbinenfabrik. Apparatus for producing tubes of synthetic material. 2,982,993, 5–9–61, Cl. 18—5.

Jacobi, Helmut, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Flexible tubes. 3,014,501, 12–26–61, Cl. 138—122.

Jacobi, Irmgard: *See*—
Jacobi, Bernhard, and Wolff. 2,974,132.

Jacobi, Margarete: *See*—
Jacobi, Bernard, and Wolff. 2,974,132.

Jacobi, Robert: *See*—
Jacobi, Bernhard, and Wolff. 2,974,132.

Jacobin, Leo: *See*—
Pouliart, Willy H. P., and Jacobin. 2,979,244.

Jacobitti, Edward: *See*—
Henning, Harley A., Jacobitti, and Lewis. 3,011,029.

Jacobs, Albert J.: *See*—
Rydberg, George E., and A. J. and P. C. Jacobs. 2,966,898.

Jacobs, Arthur, to The Haumag Corp. Method for treating food items. 2,975,733, 3–21–61, Cl. 107—54.

Jacobs, Arthur W. Lawn sprinkler nozzle. 3,006,558, 10–31–61, Cl. 239—267.

Jacobs, Ben: *See*—
Schafer, Joseph E. 2,993,292.

Jacobs, Benjamin: *See*—
Young, Efram, Jacobs, and Young. 3,010,456.

Jacobs, Edwin N. Rain visor for automobile windshield. 2,972,377, 2–21–61, Cl. 160—352.

Jacobs, Eric W., and L. J. Rigbey, to The English Electric Co. Ltd. Adjustable support means for a magnetic recording or reproducing head. 2,986,607, 5–30–61, Cl. 179—100.2.

Jacobs, Gerald, and M. L. Ruderman; said Jacobs assor. to Seal-A-Bag Automatic Co., said Ruderman assor. to Errich International Corp. Automatic bonding machine. 3,012,387, 12–12–61, Cl. 53—76.

Jacobs, Harold, and A. P. Ramsa, to Columbia Broadcasting System, Inc. Photosensitive capacitor device and method of producing the same. 2,985,757, 5–23–61, Cl. 250—83.3.

Jacobs, Harold V. Detachable soft collar. 2,997,718, 8–29–61, Cl. 2—139.

Jacobs, Harry R., Jr., to Western Electric Co., Inc. Cutover mechanisms for strand-reeling installations. 2,971,707, 2–14–61, Cl. 242—25.

Jacobs, Harry R., Jr., R. F. Minehart, and J. F. Sheehan, Jr., to Western Electric Co., Inc. Transfer devices. 2,971,712, 2–14–61, Cl. 242—25.

Jacobs, Henri J. A. M., and L. F. van de Weijdeven, to North American Philips Co., Inc. Time switch circuit arrangement. 3,001,138, 9–19–61, Cl. 328—72.

Jacobs, Hugh L.: *See*—
Cook, Lawrence M., Cranberry, Gruble, and Jacobs. 3,006,486.

Jacobs, Isaac. Combination lock opener. 2,974,517, 3–14–61, Cl. 70—442.

Jacobs, James, to General Motors Corp. Combination reciprocating and rotary spray tube for a dish washer. 3,006,557, 10–31–61, Cl. 239—227.

Jacobs, James W., to General Motors Corp. Variable spray device for dishwasher. 2,980,120, 4–18–61, Cl. 134—57.

Jacobs, James W., to General Motors Corp. Refrigerating apparatus. 3,010,288, 11–28–61, Cl. 62—155.

Jacobs, James W., and R. L. Mercer, to General Motors Corp. Detergent dispenser for a washing machine. 2,973,769, 3–7–61, Cl. 134—58.

Jacobs, James W., and K. A. Harnish, to General Motors Corp. Domestic appliance. 2,980,480, 4–18–61, Cl. 312—111.

Jacobs, James W., and L. L. Suttman, to General Motors Corp. Latching mechanism for washing apparatus. 3,007,479, 11–7–61, Cl. 134—58.

Jacobs, Jan: *See*—
Walop, Jacobus N., Jacobs, and De Bock. 2,989,435.

Jacobs, John C., to United States of America, Navy. Ampule breaker. 2,989,576, 6–20–61, Cl. 136—90.

Jacobs, John E., to General Electric Co. Metal X-ray image tube. 2,975,313, 3–14–61, Cl. 313—65.

Jacobs, John E., to General Electric Co. Pattern recognition and inspection system. 2,995,728, 8–8–61, Cl. 340—149.

Jacobs, John E., to General Electric Co. X-ray intensification system. 3,009,079, 11–14–61, Cl. 315—10.

Jacobs, John E., and H. Berger, to General Electric Co. Color radiography. 3,004,101, 10–10–61, Cl. 178—6.8.

Jacobs, John F.: *See*—
Sarahan, Bernard L., Jeffrey, Jacobs, Mayer, and Thompson. 2,994,478.

Jacobs, John F., J. M. Holden, and A. C. Ellings, to United States of America, Navy. Lock spring joint. 2,969,994, 1–31–61, Cl. 285—34.

Jacobs, John H., to Vacu-Dry Co. Cooking utensil. 2,978,141, 4–4–61, Cl. 220—94.

Jacobs, John J., to Scott Aviation Corp. Face mask. 2,996,722, 8–22–61, Cl. 2—14.

Jacobs, Joseph H.: *See*—
Jacobs, Marcellus L. and J. H. 3,001,499.

Jacobs, Joseph H. Power mower. 3,012,389, 12–12–61, Cl. 56—6.

Jacobs, Joseph H. and M. L. Adjustable planing-floats for power boats. 2,985,130, 5–23–61, Cl. 114—66.5.

Jacobs, Lewis W., to General Electric Co. Fuse clip assembly. 2,984,723, 5–16–61, Cl. 200—113.

Jacobs Mfg. Co., The: *See*—
Haviland, Girard S., and McCarthy. 2,996,302.
Stoner, Arthur M. 2,985,454.
Stoner, Arthur M. 2,985,456.
Stoner, Arthur M., and Haviland. 2,998,281.

Jacobs, Marcellus L.: *See*—
Jacobs, Joseph H. and M. L. 2,985,130.

Jacobs, Marcellus L. and J. H. Rear mounted planing and stabilizing structure for power boats. 3,001,499, 9–26–61, Cl. 114—66.5.

Jacobs, Morris B., I. Ettinger, and M. M. Braverman. Device for abatement of air pollution. 3,013,628, 12–19–61, Cl. 183—6.

Jacobs, Paul. Rock digger and picker. 2,980,189, 4–18–61, Cl. 171—63.

Jacobs, Paul E.: *See*—
Quintino, Luis E., Jacobs, and Stringer. 2,985,811.

Jacobs, Peter C.: *See*—
Rydberg, George E., and A. J. and P. C. Jacobs. 2,966,898.

Jacobs, Robert B.: *See*—
Kapff, Sixt F., and Jacobs. 2,967,425.
Kapff, Sixt F., Lo Giurato, and Jacobs. 2,967,422.
Rhodes, Joseph C., and Jacobs. 2,971,365.

Jacobs, Robert B., and D. D. Lo Giurato, to Standard Oil Co. Gasoline-rejecting mechanism for continuous flash point instrument. 2,971,370, 2–14–61, Cl. 73—36.

Jacobs, Saul B., and M. L. Siegel, to Baby-Line Furniture Co. Adjustable baby crib. 2,968,817, 1–24–61, Cl. 5—63.

Jacobs, Stephen: *See*—
Rexford, Donald L., Hoffman, and Jacobs. 2,970,806.
Schafer, Joseph E. 2,993,292.

Jacobs, Stephen, to General Electric Co. Hydraulic thrust bearing wear indicator. 3,002,374, 10–3–61, Cl. 73—37.5.

Jacobs & Thompson Ltd.: *See*—
Paul, Bert B., and Petursson. 2,975,491.

Jacobsen, Jan L. W. Anamorphotic objective system. 2,997,920, 8–29–61, Cl. 88—57.

Jacobsen, Lance R., to Hoffman Electronics Corp. Logarithmic signal limiting coupling circuit or the like. 2,997,674, 8–22–61, Cl. 333—77.

Jacobsen, Le Roy V., to Bee Line Co. Wheel balancing machine. 2,968,185, 1–17–61, Cl. 73—459.

Jacobsen Mfg. Co.: *See*—
Barth, John W. 2,983,095.
Heth, Sherman C. 2,983,093.
Kaufman, Vernon R. 3,008,459.

Jacobsen, Paul W.: *See*—
Beninger, Robert L., and Jacobsen. 2,973,914.
Beninger, Robert L., and Jacobsen. 2,997,346.

Jacobson, Donald A. Flexible closure for dispensers. 2,980,303, 4–18–61, Cl. 222—507.

Jacobson, Eugene, to Sun Chemical Corp. Transverse and linearly reinforced web and method of manufacture. 3,013,921, 12–19–61, Cl. 156—191.

Jacobson, George P., and J. A. Smith, to Allied Chemical Corp. Package assembly and method of packaging ammonium nitrate. 3,010,574, 11–28–61, Cl. 206—65.

Jacobson, Harold F.: *See*—
Ember, George, and Jacobson. 2,983,354.

Jacobson, Harvey B.: *See*—
Brandon, Clarence W. 3,006,154.

Jacobson, Herbert P., and W. F. Williams, to Collins Radio Co. Counter mechanism. 2,980,328, 4–18–61, Cl. 235—136.

Jacobson, Howard W.: *See*—
Eaton, Russell B., and Jacobson. 3,012,876.

Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Process for removing niobium oxychloride from niobium pentachloride. 2,969,852, 1–31–61, Cl. 183—114.2.

Jacobson, Hubert B. Fishing lure with interchangeable mounting means for hooks. 3,009,279, 11–21–61, Cl. 43—42.09.

Jacobson, Irenus C. Underwater television device. 3,014,984, 12–26–61, Cl. 178—6.8.

Jacobson, James J., to Harrison Home Products Corp. Adjustable support means. 3,008,616, 11–14–61, Cl. 223—120.

Jacobson, Moses G., to Mine Safety Appliances Co. Semiconductor diodes for gas detection. 2,975,362, 3–14–61, Cl. 324—71.

Jacobson, Moses G., to Mine Safety Appliances Co. Method and apparatus for measurement of gas dissolved in a liquid. 2,987,912, 6–13–61, Cl. 73—19.

Jacobson, Oscar D., to Bell Telephone Laboratories, Inc. Switching device. 2,997,546, 8–22–61, Cl. 179—27.54.

Jacobson, Robert A.: *See*—
MacNaught, Donald F., and Jacobson. 2,996,032.
MacNaught, Donald F., and Jacobson. 2,997,011.

Jacobson, Ulf C. H., to Isoleringsaktiebolaget WMB. Flameproof cellular polystyrene compositions and method of preparing same. 2,986,535, 5–30–61, Cl. 260—2.6.

Jacobson, Ulf C. H., to Isoleringsaktiebolaget W.M.B. Method for producing porous bodies of thermoplastic materials. 2,987,774, 6–13–61, Cl. 18—48.

Jacobus, Charles J., to Clark Equipment Co. Gear type coupling. 3,008,312, 11–14–61, Cl. 64—9.

Jacobus, Floyd. Carburetor attachment. 2,985,524, 5–23–61, Cl. 48—180.

Jacobus, Louis, to Ullman Devices Corp. Work inspecting device. 3,003,397, 10–10–61, Cl. 88—104.

Jacoby, Charles H., to International Salt Co., Inc. Method for reviving brine fields. 3,012,764, 12–12–61, Cl. 262—3.

Jacoby, George V., to Minneapolis-Honeywell Regulator Co. Computer apparatus for rapidly changing the value of a process variable. 3,011,709, 12–5–61, Cl. 235—151.

Jacoby, Harry D.: *See*—
Royer, John A., Kimbro, and Jacoby. 2,980,341.

Jacomelli, Ruggero, to D.E.I.-Tipografia Del Genio Civile. Apparatus for photographic type setting. 2,985,081, 5–23–61, Cl. 95—4.5.

Jacomino, John: *See*—
Duchene, William R., Arledge, and Jacomino. 2,998,512.

Jacque, James M., to The Astatic Corp. Ceramic transducer elements. 2,980,811, 4–18–61, Cl. 310—9.4.

Jacque, James M., to The Astatic Corp. Stylus securing means for phonograph pickup cartridges. 3,000,639, 9–19–61, Cl. 274—37.

Jacque, James M., to The Astatic Corp. Self-supporting electro-mechanical transducer assembly. 3,001,031, 9–19–61, Cl. 179—100.41.

Jacques, George E.: *See*—
Schunemann, Carl F., Jacques, and Wylie. 2,995,716.

Jacques, George E., to Thompson Ramo Wooldridge Inc. Tri-plate line switch and power splitter. 2,990,523, 6–27–61, Cl. 333—7.

Jacques, Roland: *See*—
Cherrier, Claude, and Jacques. 2,985,573.

Jacquier, Pierre A. C., to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Gas-tight counter voltage cell or alkaline storage battery and method of making same. 2,971,999, 2–14–61, Cl. 136—6.

Jacquish, William W.: *See*—
Geer, Charles W., and Jacquish. 2,993,125.

Jacuzzi Bros., Inc.: *See*—
Nash, Floyd M. 2,980,256.

Jacus, Joseph. Aquatic device. 2,990,805, 7–4–61, Cl. 115—26.3.

Jaeger, Charles F.: *See*—
Hanft, Charles J., and Jaeger. 2,970,257.

Jaeger, Erich: *See*—
Wilkenloh, Wilhelm, and Jaeger. 3,012,404.

Jaeger, Hans, to Landis & Gyr A.G. Thermally actuated control apparatus. 2,973,620, 3–7–61, Cl. 60—23.

Jaeger Machine Co., The: *See*—
Beeson, Robert J. 2,990,754.

Jaeger, Michael. Water skiffs. 2,994,095, 8–1–61, Cl. 9—1.

Jaeger, Peter, W. Huber, and H. Zollinger, to Ciba Ltd. Epichlorohydrin-containing phthalocyanine dyestuffs. 3,009,920, 11–21–61, Cl. 260—314.5.

Jaeger, Renée H.: *See*—
Robinson, Robert, Jaeger, and Clark. 3,010,997.

Jaeger, Richard J., Jr., to Bell Telephone Laboratories, Inc. Line switching and control system. 3,005,874, 10–24–61, Cl. 179—15.
Jaeger, Robert P., to Bell Telephone Laboratories, Inc. Negative resistance oscillator. 2,986,724, 5–30–61, Cl. 340—166.
Jaeger, Wilbert J., to Carbonic Dispenser, Inc. Ice plate. 3,011,323, 12–5–61, Cl. 62—396.
Jaeken, Jan: *See*—
De Ramaix, Maurice A., and Jaeken. 3,012,884.
De Ramaix, Maurice A., and Jaeken. 3,013,879.
Jaeken, Jan, to Gevaert Photo-Producten N. V., Mortsel. Production of colored photographic images. 3,008,827, 11–14–61, Cl. 96—55.
Jaenicke, Heins: *See*—
Weidner, Karl B., and Jaenicke. 3,003,239.
Jaensch, Klaus H., to General Dynamics Corp. Method and apparatus for testing magnets. 2,998,567, 8–29–61, Cl. 324—44.
Jaentschke, Leopold, and R. Binder, to Firma Dr. Ing. h.c.F. Porsche K.G. Centrifugal governor for internal combustion engines. 2,988,922, 6–20–61, Cl. 73—541.
Jaeschke, Herman P. Electrical connector clamp. 2,994,850, 8–1–61, Cl. 339—273.
Jaeschke, Ralph L., to Eaton Mfg. Co. Eddy-current machine. 2,971,105, 2–7–61, Cl. 310—105.
Jaeschke, Ralph L., to Eaton Mfg. Co. Electromagnetic friction clutch. 2,971,622, 2–14–61, Cl. 192—84.
Jaeschke, Ralph L., to Eaton Mfg. Co. Electromagnetic couplings. 2,973,850, 3–7–61, Cl. 192—84.
Jaeschke, Ralph L., to Eaton Mfg. Co. Torque interchange apparatus. 2,990,042, 6–27–61, Cl. 192—21.5.
Jaeschke, Ralph L., to Eaton Mfg. Co. Magnetic coupling. 3,014,566, 12–26–61, Cl. 192—21.5.
Jaeschke, Ralph L., and W. H. Mayer, to Eaton Mfg. Co. Eddy-current coupling. 3,010,039, 11–21–61, Cl. 310—105.
Jaffe, Donald, and M. C. Hallinan, to General Electric Co. Thermocouple system. 3,007,988, 11–7–61, Cl. 136—4.
Jaffe, Hans, and D. A. Berlincourt, to Clevite Corp. Piezoelectric ceramic resonators. 2,969,512, 1–24–61, Cl. 333—72.
Jaffe, Sol S.: *See*—
Fritzinger, George H., and Jaffe. 2,999,969.
Jaffe, Sol S., to The Electric Storage Battery Co. Sealed storage cell using liquid electrolyte. 3,005,943, 10–24–61, Cl. 320—13.
Jageman, Charles R., to Pyramid Industries, Inc. Process for welding plastic pipe. 2,983,639, 5–9–61, Cl. 154—116.
Jagenberg-Werk A.G.: *See*—
Hornstein, Victor, Lohrmann, Schneider, and Kusel. 2,977,058.
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Meyer-Jagenberg, Gunther. 2,969,002.
Welsch, Hans. 2,979,994.
Jäger, Erich: *See*—
Wilkenloh, Wilhelm, and Jäger. 2,989,001.
Jager, Hans, to Landis & Gyr A.G. Self starting synchronous motor. 2,997,612, 8–22–61, Cl. 310—164.
Jager, Heniz, to Westfalia Dinnendahl Groppel Aktiengesellschaft. Method and means for regulating the sizing operation of an air classifier. 2,973,861, 3–7–61, Cl. 209—1.
Jagger, Edgar J., to Hughes Aircraft Co. Three state memory device. 3,012,155, 12–5–61, Cl. 307—88.5.
Jagiel, Zigmund J. Tube clamp. 2,993,255, 7–25–61, Cl. 24—277.
Jagusch, Georg. Multiple purpose water connector. 3,006,366, 10–31–61, Cl. 137—562.
Jagy, John P.: *See*—
McKenney, Henry F., Weber, and Jagy. 2,968,759.
Jahn, Carl M. Clamp bracket for concrete forms. 2,967,689, 1–10–61, Cl. 248—205.
Jahn, Carl M. Scaffold jack. 3,000,605, 9–19–61, Cl. 248—240.
Jahn, Gunter: *See*—
Barth, Walter, and Jahn. 3,005,350.
Jahn, Karl F. Unitary frame and body for a wheeled vehicle. 3,002,782, 10–3–61, Cl. 296—28.
Jahn, Marion C., to Colborne Mfg. Co. Continuous strip dough sheeter. 3,002,471, 10–3–61, Cl. 107—12.
Jahn, Marion C., to Colborne Mfg. Co. Mechanism for forming filled dough shapes for fried pies and the like. 3,013,509, 12–19–61, Cl. 107—1.
Jahn, Martin, to Chicago Metallic Sash Co. Mounting clips. 2,998,109, 8–29–61, Cl. 189—35.
Jahn, Robert G.: *See*—
Berke, Eugene A., and Jahn. 2,973,285.
Jahn, William P., to Otis Elevator Co. Semi-automatic elevator door. 3,012,636, 12–12–61, Cl. 187—51.
Jahnentz, Walter: *See*—
Hilgert, Richard, Jahnentz, and Schmidt. 3,008,807.
Jahnentz, Walter, H. Schmidt, and R. Hilgert, to Chemische Werke Huls Aktiengesellschaft. Purification of cracked hydrocarbon gases. 3,011,966, 12–5–61, Cl. 208—81.
Jahnig, Charles E.: *See*—
Greiff, Paul, and Jahnig. 3,002,037.
Jahnig, Charles E., and P. L. Silveston, to Esso Research and Engineering Co. Supplying heat to a hydrocarbon conversion vessel. 2,971,823, 2–14–61, Cl. 23—212.
Jahnig, Charles E., P. L. Silveston, and C. W. Tyson, to Esso Research and Engineering Co. Hydrocarbon conversion process. 2,982,622, 5–2–61, Cl. 23—212.
Jahreis, Carl, to T. Shriver and Co., Inc. Strainer. 2,987,188, 6–6–61, Cl. 210—248.
Jahresuhren-Fabrik G.m.b.H. Aug. Schatz & Sohne: *See*—
Graef, Walter. 2,996,875.
Jahrstorfer, Michael, H. Spaenig, and A. Weickmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Polymerization of monoolefins with alcohol-containing catalyst. 3,006,904, 10–31–61, Cl. 260—93.7.
Jakaitis, Eugene A., to The Atlantic Refining Co. Wax coating composition and paperboard coated therewith. 2,967,781, 1–10–61, Cl. 106—270.
Jakeway, Gerald V., to Keeler Brass Co. Push button handle. 2,999,712, 9–12–61, Cl. 292—336.3.
Jakimiuk, Wsiewolod J., to Sud Est Aviation Societe Nationale de Constructions Aeronautiques. Aircraft take-off and landing apparatus. 2,971,725, 2–14–61, Cl. 244—63.
Jakimiuk, Wsiewolod J., and R. G. Scoazec, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Devices for the take-off and landing of aircraft. 2,980,368, 4–18–61, Cl. 244—102.
Jaklitsch, Franz. Separator. 2,967,586, 1–10–61, Cl. 183—12.
Jakob, Franz: *See*—
Reuter, Martin, Orthner, Wolf, and Jakob. 2,995,551.
Jakob, Otto: *See*—
Rosenberger, Jakob, and Jakob. 2,967,550.
Jakobs, Willy: *See*—
Suter, Bruno, Golucke, Ehrhardt, Jakobs, Meder, Mroncz, and Frohlich. 3,003,219.
Jakobsson, Per Å H., W. Sebardt, and K.-G. Öhrn, to International Ytong-Stabalite Co. Ltd. Apparatus for supporting the reinforcing irons. 2,989,793, 6–27–61, Cl. 25—118.
Jakubczak, Arthur: *See*—
Kadisch, Gerhard E., and Jakubczak. 2,973,278.
Jalsco Pump Co.: *See*—
Doble, Warren. 2,988,187.
Jamar-Olmen Co.: *See*—
Stout, Arthur G. 2,977,686.
Jamco, Inc.: *See*—
Melton, James O., and Wilkinson. 2,995,381.
Melton, James O., and Wilkinson. 2,999,709.
Melton, James O., and Wilkinson. 3,010,733.
Melton, James O., and Wilkinson. 3,010,746.
Jamerson, Ben C.: *See*—
Jamerson, Bennie C. and B. C. 2,969,123.
Jamerson, Bennie C. and B. C. Automobile under hood work rest. 2,969,123, 1–24–61, Cl. 182—116.
James, Billy C., and P. D. Metcalf. Coin operated locker. 2,991,866, 7–11–61, Cl. 194—1.
James, Brian H. L.: *See*—
Ashman, Charles S., James, and Stockford. 2,975,358.
James, Clifton E., and P. Fedelchak. Device for reclaiming silver from photographic hypo baths. 2,997,438, 8–22–61, Cl. 204—273.
James, Cyril H., and L. W. G. Wilkinson, to United Shoe Machinery Corp. Feather edging and shank reducing machines. 2,987,739, 6–13–61, Cl. 12—86.5.
James, Dennis B., to Bell Telephone Laboratories, Inc. Transistor amplifier. 2,994,832, 8–1–61, Cl. 330—13.
James, Duane A.: *See*—
James, Lewis A. and D. A. 2,992,779.
James, George M., to E. I. du Pont de Nemours and Co. Method of purifying dilute sodium sulfate solution. 2,970,890, 2–7–61, Cl. 23—121.
James, George R.: *See*—
Boyle, Robert J., and James. 3,004,829.
Christensen, Axel, and James. 3,010,807.
James, Howell N., to International Harvester Co. Friction clutch. 2,967,435, 1–10–61, Cl. 74—216.5.
James, Jimmy D.: *See*—
Kelly, Roland T., De Vries, James, and Walker. 3,012,947.
James, Jimmy D., to Esso Research and Engineering Co. Recovery of isoprene by fractionation and extractive distillation. 2,971,036, 2–7–61, Cl. 260—681.5.
James, John R. Doors, panels, and the like. 2,993,244, 7–25–61, Cl. 20—91.
James, Lewis A., to Nu-Way Foundation. Bleach and detergent vending machine. 2,972,434, 2–21–61, Cl. 222—66.
James, Lewis A. and D. A.; said D. A. James assor. to said L. A. James. Dishwashing machine. 2,992,779, 7–18–61, Cl. 239—226.
James Louis M. Article segregation. 3,006,465, 10–31–61, Cl. 209—45.
James, Ralph A.: *See*—
Thompson, Stanley G., Miller, and James. 2,989,367.
James, Raymond W.: *See*—
Crumley, Julius A., James, and Shulman. 2,990,279.
James, Raymond W., and R. E. Merrill, to Arthur D. Little, Inc. Locking composition. 2,989,107, 6–20–61, Cl. 151—7.
James, Robert R.: *See*—
Bradshaw, William H., James, and Shaw. 2,991,281.
James, Robert S., and J. J. Seman, to United States of America, Interior. Photoflash unit. 2,983,810, 5–9–61, Cl. 240—1.3.
James, Talfryn: *See*—
Kirby, Ben H., Jr., Humphreys, and James. 2,975,081.
James, Thomas R., to General Mills, Inc. Instrument drive. 2,990,677, 7–4–61, Cl. 58—41.
James, Varnell L. R.: *See*—
Heinemann, Milton, and James. Re. 25,066.
James, Varnell L. R., to Boeing Airplane Co. Airborne stairs. 2,990,148, 6–27–61, Cl. 244—129.

Jamieson, John R. Ski rope reel. 3,003,453, 10–10–61, Cl. 114—235.
Jamieson, Robert S. Speed comparing and controlling servosystem. 2,987,662, 6–6–61. Cl. 318—329.
Jamieson, William: *See*—
Smith, Thomas R., and Jamieson. 2,981,259.
Jamieson, William H., and C. E. Reese, to E. I. du Pont de Nemours and Co. Process for preparing textile yarns. 2,980,492, 4–18–61, Cl. 18—54.
Jamilkowski, Vincent S.: *See*—
Swanson, Bror W., Jamilkowski, and Grzywna. 3,009,253.
Jamison, Frederick W. Heated mastic slab. 3,005,895, 10–24–61, Cl. 219—19.
Jamison, Hal M., and R. L. Wilson, to Bell Telephone Laboratories, Inc. Insertion of framing information in pulse modulation systems. 2,984,706, 5–16–61, Cl. 179—15.
Jamison, Harry. Receptacles, such as dispensers for salt, pepper, or the like condiments. 3,008,610, 11–14–61, Cl. 222—173.
Jamison, Noel C., to North American Philips Co., Inc. Semiconductor device. 2,967,984, 1–10–61, Cl. 317—234.
Jamison, Truman K. Rocket launching ramp and mechanism. 2,990,143, 6–27–61, Cl. 244—63.
Jammal, Nicholas J., to Gould National Batteries, Inc. Battery non-spill vent plug. 2,981,272, 4–25–61, Cl. 137—43.
Jampol Co., Inc., The: *See*—
Daniels, Herbert E. 3,010,410.
Janakirama-Rao, Bhogaraju V.: *See*—
Hauth, Willard E., Jr., and Janakirama-Rao. 2,997,401.
Janchen, Dieter E. A., to Camag Chemieerzeugnisse und Adoorptionstechnik A.G. Method and apparatus for continuously refining or improving mineral oils by means of a solid adsorbent. 3,003,927, 10–10–61, Cl. 196—46.
Jancin, Julius, Jr., to International Business Machines Corp. Data comparator. 2,979,257, 4–11–61, Cl. 235—61.7.
Jancso, Tibor: *See*—
Szepesi, Karoly, Jancso, and Varga. 2,991,170.
Janecke, Paul: *See*—
Ludemann, Joseph, and Janecke. 2,981,856.
Janeczko, Edward J., and S. C. Rzonca. Automobile starting circuit. 3,009,067, 11–14–61, Cl. 290—38.
Janes, Richard D., to Isotopes Inc. Gas injection system. 3,004,548, 10–17–61, Cl. 137—100.
Jania, Zbigniew J., to Ford Motor Co. Automatic control mechanism. 2,987,942, 6–13–61, Cl. 74—752.
Jania, Zbigniew J., and O. K. Walthall, to Ford Motor Co. Transmission control servo. 2,966,888, 1–3–61, Cl. 121—38.
Janik, Joseph T. Angularly adjustable electrical connector. 3,005,182, 10–17–61, Cl. 339—245.
Janis, Edward C.: *See*—
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Janiszewski, Kasimir. Lubricant retainer for leader pin bushings and the like. 2,967,740, 1–10–61, Cl. 308—5.
Janke, Gilbert J.: *See*—
Bosl, George F., Janke, and Evans. 2,973,532.
Jankelson, Bernard. Dental detector paste and its method of use. 2,993,276, 7–25–61, Cl. 32—1.
Jankens, Austin L., and F. D. Hoerger, to The Dow Chemical Co. Resin coated paper. 2,975,074, 3–14–61, Cl. 117—76.
Jankowiak, Erwin M.: *See*—
Nelson, Alfred R., and Jankowiak. 2,974,129.
Jankowski, Alfred S., to Sylvania Electric Products Inc. Electrical testing apparatus. 3,009,109, 11–14–61, Cl. 324—158.
Jankowski, Walter J.: *See*—
Elliott, Thomas J., and Jankowski. 2,997,298.
Janney, Arthur B., Jr. Sectional fabric floor covering. 3,012,919, 12–12–61, Cl. 154—49.
Janney, Raymond B., II, to All American Engineering Co. Aircraft with auxiliary launching aircraft. 2,981,499, 4–25–61, Cl. 244—2.
Janoff, Daniel L., to Heppenstall Co. Adjustable opening tongs. 2,985,481, 5–23–61, Cl. 294—86.
Janonis, Vytautas F., to Westinghouse Electric Corp. Linear-bistable magnetic amplifier. 2,985,767, 5–23–61, Cl. 307—88.
Janot, Maurice-Marie, R. Goutarel, and A. Le Hir, to Les Laboratoires Gobey. Process of isomerizing yohimbane compounds. 2,969,367, 1–24–61, Cl. 260—287.
Janot, Pierre: *See*—
Borrel, Jean, Braffort, Janot, and Pottier. 3,014,655.
Janowsky, Ralph H., to The Wurlitzer Co. Stereophonic background music and public address system. 3,005,873, 10–24–61. Cl. 179—1.
Jansen, Alexander B. A., and T. R. Carrington, to Glaxo Laboratories Ltd. Derivatives of tetraiodophthalamic acid. 3,014,033, 12–19–61, Cl. 260—247.2.
Jansen, Josef: *See*—
Lamesch, Armand, Jansen, and Knospe. 2,989,826.
Jansen, Ward K., 40% to P. Korn. Track frame reinforcement. 3,014,766, 12–26–61, Cl. 307—18.
Janson, Alfons: *See*—
Conrad, Johannes, Janson, Weller, Blum, and Kueppers. 2,993,742.
Janson, Alfons, J. Conrad, and K. Morweiser, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dye stripping process employing stabilized hydroxyalkane sulfinic acid baths. 2,985,500, 5–23–61, Cl. 8—102.
Janson, Bengt G., to Aktiebolaget Celleco. Arrangement for removal of resin and/or dewatering of pulp. 2,988,223, 6–13–61, Cl. 210—340.
Janson, Bengt G., to Aktiebolaget Celleco. Method of removal of resin. 3,013,735, 12–19–61, Cl. 241—24.
Janson, Leroy W., and H. G. De Witt, to Sprague & Henwood, Inc. Core-taking apparatus. 3,004,614, 10–17–61, Cl. 175—246.
Janson, Stefan K., to Olin Mathieson Chemical Corp. Firearm gas piston with power cavity and inertia valve. 2,987,968, 6–13–61, Cl. 89—193.
Janssen, Ernest O. Fertilizer spreading attachment for lawn mowers. 2,991,914, 7–11–61, Cl. 222—171.
Janssen, Gerardus H.: *See*—
Haaijman, Pieter W., Janssen, and van der Linden. 3,006,783.
Janssen, Herbert K., to The Bendix Corp. Transistorized blocking oscillator for telemetering circuits. 2,988,709, 6–13–61, Cl. 331—112.
Janssen, Hermann, to PGAC Development Co. Electrical well logging. 2,967,272, 1–3–61, Cl. 324—1.
Janssen, Paul A. J. Certain 1-(2-theonyl lower alkyl)-4-(heterocyclic substituted)-piperazines. 2,973,360, 2–28–61, Cl. 260—256.5.
Janssen, Paul A. J. 1-(2-thenoyl)alkyl-4-arylpiperidin-4-ols. 2,973,363, 2–28–61, Cl. 260—293.4.
Janssen, Paul A. J. 1-(2-thenoyl)alkyl-4-aryl-1,2,3,6-tetrahydropyridines. 2,973,364, 2–28–61, Cl. 260—294.8.
Janssen, Paul A. J. 1-aroylalkyl-4-aryl-1,2,3,6-tetrahydropyridines. 2,973,365, 2–28–61, Cl. 260—297.
Janssen, Paul A. J. 1-(aroylalkyl)-4-(heterocyclyl) piperazines. 2,975,182, 3–14–61, Cl. 260—268.
Janssen, Paul A. J. 1-(2-thenoyl)alkyl-4-arylpiperazines. 2,979,507, 4–11–61, Cl. 260—268.
Janssen, Paul A. J. Heterocyclic derivatives of 1-phenyl-ω-(piperazine) alkanols. 2,979,508, 4–11–61, Cl. 260—268.
Janssen, Paul A. J. 1-(aroylalkyl)-4-heterocyclylpiperazines. 2,985,657, 5–23–61, Cl. 260—256.4.
Janssen, Paul A. J. 1-(aroylalkyl)-4-arylpiperazines. 2,997,472, 8–22–61, Cl. 260—268.
Janssen, Paul A. J. 1-aryl-ω-(4-arylpiperazine)alkanols. 2,997,474, 8–22–61, Cl. 260—268.
Janssen, Paul A. J. 1-thenoylalkyl-4-aroylpiperazines. 3,000,891, 9–19–61, Cl. 260—268.
Janssen, Paul A. J. 1-aroylalkyl-4-aroylpiperazines. 3,000,892, 9–19–61, Cl. 260—268.
Janssen, Paul A. J. 1-(2-thienyl)-ω-(4-arylpiperazine) alkanols. 3,002,976, 10–3–61, Cl. 260—268.
Janssen, Paul A. J. Lower alkyl esters of 1-(2-benzoylethyl)-3-methyl-4-phenylpiperidine-4-carboxylic acid and 1-(3-hydroxy-3-phenylpropyl)-3-methyl-4-phenylpiperidine-4-carboxylic acid. 3,004,977, 10–17–61, Cl. 260—294.3.
Janssen, Paul A. J. Lower alkyl esters of 1-cinnamyl-3-methyl-4-phenylpiperidine-4-carboxylic acid. 3,012,030, 12–5–61, Cl. 260—240.
Janssen, Paul A. J. Esters of 3-methyl-4-phenyl-4-carboxypiperidine. 3,012,037, 12–5–61, Cl. 260—294.3.
Janssen, Peter J. H.: *See*—
Korver, Jan A. C., and Janssen. 2,995,654.
Janssens, Anna. Patching device. 2,995,356, 8–8–61, Cl. 268—102.
Jansson, Arnold O., to United-Carr Fastener Corp. Fastening device. 3,006,049, 10–31–61, Cl. 24—73.
Jansson, Axel J., to Hydroease Corp. Pressure converting apparatus for fluid systems. 3,010,282, 11–28–61, Cl. 60—54.5.
Jansson, Axel J., to Hydroease Corp. Fluid pressure braking system. 3,010,283, 11–28–61, Cl. 60—54.5.
Jansson, Henry A.: *See*—
Vernam, Gilbert S., Adams, Chojnowski, Blanton, and Jansson. 3,006,986.
Jansson, John, to AB A. Ekstroms Maskinaffar. Measuring apparatus for effecting a counterforce to another squarely varying force. 3,006,190, 10–31–61, Cl. 73—205.
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Michel, Jack M. 2,970,597.
Janulis, Chester A., to Rockwell-Standard Corp. Leaf spring clip mounting. 2,984,477, 5–16–61, Cl. 267—53.
Janz, Donald W. F., to United States of America, Navy. Constant D-C resistance frequency variable T-T notch network. 2,996,689, 8–15–61, Cl. 333—75.
Jaouen, Jean, to Bronzavia. Angular velocity meter. 2,974,530, 3–41–61, Cl. 73—505.
Jaoul, Bernard: *See*—
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Japanese Government, Director of the Agency of Industrial Science and Technology, The Ministry of International Trade and Industry, The: *See*—
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Jaquith, Burton K., to Technical Industries, Inc. Continuous weighing mechanism for fluids. 2,998,722, 9–5–61, Cl. 73—219.
Jaquith, Howard R., to Taylor Instrument Companies. Indicating instrument. 2,992,552, 7–18–61, Cl. 73—1.
Jaramillo, Edward V.: *See*—
Pierce, Lowell J., Benson, and Jaramillo. 2,973,624.
Jardinier, Jean: *See*—
Baliguet, Michel P., Ernst, and Jardinier. 2,979,290.
Jardmo, Sven A., to Aktiebolaget Karlstads Mekaniska Werkstad. Steering propeller. 3,002,486, 10–3–61, Cl. 114—148.
Jarett, Charles R. Diaphragm valves. 2,977,981, 4–4–61, Cl. 137—553.
Jarmotz, Paul, and R. Pepinsky, to United States of America, Navy. Balanced differential amplifier with diode impedance changing network. 2,972,117, 2–14–61, Cl. 331—149.

Jarnholt, Per E., to Aktiebolaget Bofors. Ballistic missile. 3,002,455, 10–3–61, Cl. 102—56.

Jarosi, Joseph J.: *See*—
Brown, Wilbur F., Sellers, and Jarosi. 3,012,384.

Jaross, Robert A.: *See*—
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Jarowenko, Wadym, to National Starch and Chemical Corp. Thermoplastic starch ethers soluble in water and in alcohol. 2,996,498, 8–15–61, Cl. 260—233.3.

Jarrell-Ash Co.: *See*—
Fastie, William G. 3,011,391.
Jarrell, Richard F., and Fastie. 2,975,669.

Jarrell, Richard F., and W. G. Fastie, to Jarrell-Ash Co. Crossed dispersion photographic spectrometer. 2,975,669, 3–21–61, Cl. 88—14.

Jarret, Jacques: *See*—
Jarret, Jean and J. 2,994,524.

Jarret, Jean and J. Means for storing mechanical energy. 2,994,524, 8–1–61, Cl. 267—1.

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Järund, Harry S. V. Counter-pressure jaw. 2,971,565, 2–14–61, Cl. 154—42.

Jarund, Harry S. V., to Hermorian Ltd. Device for making continuous overlapping joints. 2,989,113, 6–20–61, Cl. 154—42.

Jarund, Harry S. V. Block bearing. 2,998,286, 8–29–61, Cl. 308—6.

Jaruzelski, John J., and W. E. Smith, Jr., to United States Steel Corp. 2,7-diisocyanatodibenzofuran and method of making it. 2,980,705, 4–18–61, Cl. 260—346.2.

Jarvi, Carl W., to Haskell Mfg. Co. Desk drawer divider. 2,968,398, 1–17–61, Cl. 206—73.

Jarvinen, Willard B., to General Electric Co. Control system for electrostatic precipitator. 2,992,699, 7–18–61, Cl. 183—7.

Jarvis Corp.: *See*—
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Jarvis, James G.: *See*—
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Jarvis, James G., to Eastman Kodak Co. Electrostatic printing. 2 972,304, 2–21–61, Cl. 101—426.

Jarvis, James G., to Eastman Kodak Co. Electrophotographic printing element. 2,987,395, 6–6–61, Cl. 96—1.

Jarvis, James G., D. L. Smith, and R. W. Tyler, to Eastman Kodak Co. Alteration of characteristic curve of zinc oxide electrophotographic materials. 3,003,870, 10–10–61, Cl. 96—1.

Jarvis, John: *See*—
Noxon, Paul A., Taylor, and Jarvis. 3,002,713.

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Jarvis, William E., and C. van Rensselaer, to Hewlett-Packard Co. Cathode ray oscilloscope camera. 2,984,537, 5–16–61, Cl. 346—110.

Jaschke, Aurella. Wool-wool producing machine. 3,000,412, 9–19–61, Cl. 144—185.

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Arbogast, Duane J., and Jaseph. 2,988,060.

Jaseph, Lawrence F., to Dover Corp. Fluid transmission with control system therefor. 2,984,982, 5–23–61, Cl. 60—52.

Jasik, Henry. Impedance transformer. 3,003,126, 10–3–61, Cl. 333—33.

Jasion, Edward: *See*—
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Jasper, Benjamin E.: *See*—
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Jasper, David W.: *See*—
Busch, Thomas N., and D. W. and B. E. Jasper. 2,981,301.

Jasper, Harley A. Means for locking road trailers against theft. 2,969,993 1–31–61, Cl. 280—433.

Jaspert, William B.: *See*—
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Jaspert, William B., Jr. Plant supports. 3,004,366, 10–17–61, Cl. 47—47.

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Jasse, Joseph R., to Hotchkiss-Brandt. Aiming device for mortars. 2,977,858, 4–4–61, Cl. 89—41.

Jasse, Joseph R., to Societe Nouvelle des Etablissements Brandt. Projectile fuze. 2,977,882, 4–4–61, Cl. 102—74.

Jasse, Joseph R., to Hotchkiss-Brandt. Self-propelled projectile. 3,008,414, 11–14–61, Cl. 102—49.

Jassniker, Kurt, to Sulzer Freres, S.A. One-stage radial compressor. 2,977,042, 3–28–61, Cl. 230—127.

Jassniker, Kurt, to Sulzer Freres S.A. Radial diffuser for a radial turbomachine. 2,996,996, 8–22–61, Cl. 103—97.

Jassniker, Kurt, to Sulzer Freres, S.A. Turbomachine plant including a closed lubricating, cooling, and sealing fluid circuit. 3,005,518, 10–24–61, Cl. 184—6.

Jastram, Philip S.: *See*—
Brown, Robert J. S., and Jastram. 2,998,565.

Jatcko, Joseph M.: *See*—
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Jauch, Christian M. J., to General Time Corp. Switch actuating timer. 2,997,884, 8–29–61, Cl. 74—3.52.

Jauch, Eugen: *See*—
Grote, Richard, Jauch, Topfer, and Voithenleitner. 3,004,107.

Jauch, Hermann. Measuring apparatus. 2,993,165, 7–18–61, Cl. 324—32.

Jauch, Robert J.: *See*—
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Schulze, Robert E., Heartstedt, Jauch, and Kruckeberg. 3,008,486.

Jaulmes, Eric, to Ateliers de la Motobecane, Societe Anonyme Francaise. Automatic variable-speed and clutch units. 2,986,043, 5–30–61, Cl. 74—230.17.

Jaulmes, Eric, to Ateliers de la Motobecane, Societe Anonyme Francaise. International combustion motor with built in ignition device. 2,998,471, 8–29–61, Cl. 123—149.

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Javorik, Laszlo, ½ to A. W. Arthurs. Energy-recuperating lifting jack. 3,007,676, 11–7–61, Cl. 254—1.

Jawoll, Daniel. Snap fastener with pins for trouser cuffs and the like. 2,981,992, 5–2–61, Cl. 24—73.

Jaworski, Leonard S., to Prestole Corp. Sheet metal screw fastener with edgewise flexible panel engaging arms. 2,967,556, 1–10–61, Cl. 151—41.75.

Jay, Kenneth W., to Orenda Engines Ltd. Device for intermittent flow of fluid. 2,968,317, 1–17–61, Cl. 137—624.14.

Jay, Kenneth W., to Orenda Engines Ltd. Fuel nozzles for large flow range. 2,969,924, 1–31–61, Cl. 239—436.

Jaybee Mfg. Corp.: *See*—
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Jaycox, William E.: *See*—
Broske, William F., and Jaycox. 2,981,130.

Jay Dee Products Co. Inc.: *See*—
Small, Samuel N. 2,991,050.

Jayme, Georg, to Firma Carl Freudenberg, Kommanditgesellschaft auf Aktien. Process for the production of cellulose gels with the aid of iron complexes. 2,984,581, 5–16–61, Cl. 106—163.

Jayne, Jack E., to Kimberly-Clark Corp. Manufacture of cellulosic products. 2,994,634, 8–1–61, Cl. 162—138.

Jayne, Theodore D., to Rand Development Corp. Tool material. 2,996,793, 8–22–61, Cl. 29—182.5.

Jaynes, Arthur R.: *See*—
Jaynes, William L., Jr. 3,000,558.

Jaynes, William L., Jr., ½ to A. R. Jaynes. Pressure computers. 3,000,558, 9–19–61, Cl. 235—86.

Jazwinski, Stanislaw T., and J. A. Sisto, to Phoenix Steel Corp. Method for producing titanium. 2,975,049, 3–14–61, Cl. 75—84.4.

Jeanes, Allene R., and J. H. Sloneker, to United States of America, Agriculture. Method of producing an atypically salt-responsive alkali-deacetylated polysaccharide. 3,000,790, 9–19–61, Cl. 195—31.

Jeanmonod, Michel, and H. M. Blowers, to Sound Communication Products, Inc. Air-raid-warning signal generator. 2,988,599, 6–13–61, Cl. 179—2.

Jeanneret, Henri. Escapement for retarding device. 2,968,186, 1–17–61, Cl. 74—1.5.

Jeanneret, Jules L. Arrangement for accurately positioning a worm-controlled slide in a machine tool. 2,978,940, 4–11–61, Cl. 82—24.

Jeantil, Emile M. M. P. Grain cleaning device for threshing mechanisms. 2,970,599, 2–7–61, Cl. 130—27.

Jeavons, Philip S., to Wilmot-Breeden Ltd. Releasable fastening devices. 3,012,804, 12–12–61, Cl. 292—221.

Jeb-Rod Corp.: *See*—
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Jedd, Jerry L.: *See*—
Howell, Hugh A., and Jedd. 2,980,777.
Howell, Hugh A., and Jedd. 2,985,734.

Jedinak, Michael. Anti-skid shoe for a ladder. 2,992,696, 7–18–61, Cl. 182—108.

Jeff, William C., to John L. Armitage & Co., Inc. Method and composition for forming a textured finish and resulting product. 2,982,670, 5–2–61, Cl. 117—41.

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Jeffers, Francis G., to Imperial Chemical Industries Ltd. Polyether compositions. 2,990,395, 6–27–61, Cl. 260—45.75.

Jefferson Chemical Co., Inc.: *See*—
Krause, Walter P. 2 983,763.
Milligan, John G. 3,000,964.
Roberts, George B., and Moss. 3,000,909.
Speranza, George P. 3,000,963.

Jefferson, Glen V., and R. J. Bush, to Westinghouse Air Brake Co. Vehicle weight responsive means. 2,987,613, 6–6–61, Cl. 246—251.

Jefferson, Sidney, and J. F. Cameron, to United States of America, Atomic Energy Commission. Method and apparatus for the detection of leaks in pipe lines. 3,011,054, 11–28–61, Cl. 250—43.5.

Jefferys, Alexander G.: *See*—
Hollis, Jack L., and Jefferys. 2,971,560.

Jefferys, Richard A.: *See*—
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Lowry, John A. 2,986,383.
Manthorp, George E. 3,011,623.
Moon, Sterling C. 2,966,984.
Moon, Sterling C. 2,986,265.
Moon, Sterling C. 2,986,266.
Moon, Sterling C. 2,990,051.
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Roloson, Alfred H. 2,973,854.
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Jeffreys, Roy A.: *See*—
Clarke, Norman D., and Jeffreys. 2,992,130.
Clarke, Norman D., Jeffreys, and Saunders. 2,983,607.

Jeffries, Dan W., ½ to Garal Mfg. Corp. d.b.a. Nash Engineering Co. Self-adjusting brake or clutch mechanism. 2,995,216, 8–8–61, Cl. 188—73.

Jeffries, Dan W., ½ to Garal Mfg. Corp., d.b.a. Nash Engineering Co. Self-adjusting brake or clutch mechanism. 2,996,886, 8–22–61, Cl. 60—54.6.

Jeffries, Harriett B. Foldable overshoe. 2,966,748, 1–3–61, Cl. 36—7.2.

Jeffries, John M., to Atlas Powder Co. Bore hole loading device. 2,978,947, 4–11–61, Cl. 86—20.

Jeffries, Sampson F.: *See*—
Nash, Harold A., and Jeffries. 2,993,836.

Jeffus, Samuel C. Pocket gum case. 2,973,882, 3–7–61, Cl. 221—228.

Jefts, Albert W., and H. G. Rotherham, to American Cyanamid Co. Method of coloring vinyl aromatic polymers. 2,986,547, 5–30–61, Cl. 260—41.

Jefts, Albert W., and W. J. Quinlan, to American Cyanamid Co. Process for the manufacture of methylol melamines and alkylated methylol melamines. 2,998,410, 8–29–61, Cl. 260—67.6

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Ruzicka, Leopold, and Jeger. 3,013,027.

Jeger, Oskar, to Ciba Pharmaceutical Products Inc. New cyclo-pregnanes and process for their manufacture. 2,989,551, 6–20–61, Cl. 260—397.3.

Jeger, Oskar, to Ciba Pharmaceutical Products Inc. 18-oxygenated steroids and process for their manufacture. 3,014,029, 12–19–61, Cl. 260—239.55.

Jeger, Oskar, to Ciba Pharmaceutical Products Inc. Cyclosteroid compounds and process for their manufacture. 3,014,050, 12–19–61, Cl. 260—397.4.

Jeger, Oskar, J. Kalvoda, and P. Buchschacher, to Ciba Pharmaceutical Products Inc. Process for the manufacture of amino-steroids. 3,004,968, 10–17–61, Cl. 260—239.55.

Jegge, Max, to Ciba Ltd. Apparatus for discharging the contents of containers. 2,968,411, 1–17–61, Cl. 214—315.

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Jekat, Walter K., to Worthington Corp. Inducer for a rotating pump. 2,984,189, 5–16–61, Cl. 103—88.

Jekat, Walter K., to Worthington Corp. Turbine pump unit. 2,991,722, 7–11–61, Cl. 103—87.

Jekel, Otto C. Stable solutions of compounds of tannins with boric acid. 2,970,032, 1–31–61, Cl. 8—94.33.

Jekel, Wilhelmus J. A. Packing for bottles and similar, substantially cylindrical, containers. 2,989,175, 6–20–61, Cl. 206—65.

Jelenko, J. F., & Co., Inc.: *See*—
Berger, Herbert R. 2,992,463.

Jelinek, Charles F., F. W. Posselt, and L. N. Stanley, to General Aniline & Film Corp. Stable solution for producing ice colors. 3,003,844, 10–10–61, Cl. 8—45.

Jelinek, Erwin, to Kroehler Mfg. Co. Reclining chair with fold-under extendable leg rest. 2,974,720, 3–14–61, Cl. 155—106.

Jelinek, James W., to Ball Bros. Co., Inc. High temperature periscope. 3,010,368, 11–28–61, Cl. 88—69.

Jelinek, Leonard C.: *See*—
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Jelley, Edwin E., S. S. Fierke, and J. H. Shepler, to Eastman Kodak Co. Supression of Newton's rings in printing color films. 2,992,101, 7–11–61, Cl. 96—23.

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Carding, Joseph T., and Jelley. 3,004,127.

Jelley, Gordon A., to J. A. Crabtree & Co. Ltd. Contactor-operated motor starters. 2,993,967, 7–25–61, Cl. 200—104.

Jellies, David A., to General Electric Co. Domestic appliance. 3,005,065, 10–17–61, Cl. 200—61.62.

Jellyman, Philip E., H. F. Macintosh, and J. E. Wilcock, to Pilkington Bros. Ltd. Method of manufacturing a glass insulator. 2,972,211, 2–21–61, Cl. 49—79.

Jeltsch, Arnold E.: *See*—
Doak, Kenneth W., and Jeltsch. 3,000,845.

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Jen, Yun, to American Cyanamid Co. Surfaces of decreased water wettability and process for the preparation thereof. 2,977,245, 3–28–61, Cl. 117—72.

Jen, Yun, and J. L. Johnson, to American Cyanamid Co. Solid state polymerization. 2,976,262, 3–21–61, Cl. 260—72.

Jen, Yun, J. L. Johnson, and R. R. Aloia, to American Cyanamid Co. Solid state polymerization. 2,976,263, 3–21–61, Cl. 260—72.

Jenaer Glaswerk Schott & Gen.: *See*—
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Jencks, Hollis W., and E. A. Viale, to Detroit Coil Co. Oil bath solenoid. 2,975,340, 3–14–61, Cl. 317—185.

Jencks, Hollis W., and E. A. Viale, to Detroit Coil Co. Solenoid push pin. 2,991,399, 7–4–61, Cl. 317—165.

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Jendrassik, George. 2,968,435.

Jendrassik, George, deceased; A. G. T. Boszormenyi, and C. Jendrassik, executors, to Jendrassik Developments Ltd. Pressure exchangers. 2,968,435. 1–17–61, Cl. 230—69.

Jenike, Andrew W. Elevating belt conveyor for discrete materials in bulk. 2,978,095, 4–4–61, Cl. 198—165.

Jenkins, Arthur C., A. H. Malik, and R. L. Pruett, to Union Carbide Corp. Method of decomposing ozone. 2,980,494, 4–18–61, Cl. 23—4.

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Woolslayer, Homer J., Jenkins, Maxwell, and Born. 3,009,547.
Woolslayer, Homer J., Turner, and Jenkins. 2,974,760.

Jenkins, Charles M., Sr. Fishing lure. 2,984,928, 5–23–61, Cl. 43—42.09.

Jenkins, David S., to Sylvania Electric Products Inc. Electrical translator device and method of manufacture. 3,002,134, 9–26–61, Cl. 317—236.

Jenkins, Elmer T. Door controlled sliding racks. 2,979,054, 4–11–61, Cl. 126—340.

Jenkins, Frank J.: *See*—
Namsick, Raymond J., Wittl, and Jenkins. 2,998,601.

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Monson, Louis T., and Jenkins. 3,009,884.

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Jenkins, George H., III, and E. J. Zahn, to The Gates Rubber Co. Spliced power transmission belting. 2,984,119, 5–16–61, Cl. 74—231.

Jenkins, George W., Jr., and S. M. Whitney. Ski tow. 2,982,229, 5–2–61, Cl. 104—173.

Jenkins, Harvey. Dental appliance. 2,983,046, 5–9–61, Cl. 32—14.

Jenkins, Herbert F. L., to Dunlop Rubber Co. Ltd. Pneumatic tyres. 2,983,299. 5–9–61, Cl. 152—362.

Jenkins, Hilger P. Automobile mirror. 3,003,396, 10–10–61, Cl. 88—87.

Jenkins, Hugh P., Jr., R. W. Moshier, and R. D. Cadle. Polyvinylpyridinium perchlorates. 2,989,390, 6–20–61, Cl. 52—18.

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Jenkins, Lloyd T.: *See*—
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Jenkins, Lloyd T. Luminous writing. 2,977,320, 3–28–61, Cl. 252—301.3.

Jenkins, Mervyn M., and J. R. Macy, to Owens-Illinois Glass Co. Apparatus for cleaning corrugated partition strips. 2,999,262, 9–12–61, Cl. 15—307.

Jenkins, Orville. Motor mounting ring. 3,012,743, 12–12–61, Cl. 248—26.

Jenkins, Paul W. Coin display holder. 2,998,126, 8–29–61, Cl. 206—.83.

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Guyton, James H., Votava, Jenkins, and Dodge. 2,981,836.

Jenkins, Robert W.: *See*—
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Jenkins, Theron W., Jr., and J. C. Barber, to Leeds and Northrup Co. Control servo system. 3,008,072, 11–7–61, Cl. 318—28.

Jenkins, Thomas E., to General Electric Co. Noise reduction of food waste disposers. 2,991,018, 7–4–61, Cl. 241—100.5.

Jenkins, Thomas E., to General Electric Co. Waste disposal apparatus. 3,005,595, 10–24–61, Cl. 241—46.

Jenkins, Thomas E., to General Electric Co. Waste disposal apparatus. 3,005,596, 10–24–61, Cl. 241—46.

Jenkins, Thomas E., to General Electric Co. Sink connection support for waste disposal apparatus. 3,009,657, 11–21–61, Cl. 241—100.5.

Jenkner, Herbert, to Kali-Chemie Aktiengesellschaft. Organosilicon peroxides and their preparation. 2,997,497, 8–22–61, Cl. 260—448.8.

Jenkner, Herbert, to Kali-Chemie Aktiengesellschaft. Process of preparing boron trialkyl compounds. 3,014,074, 12–19–61, Cl. 260—606.5.

Jenkner, Herbert, and H. W. Schmidt, to Kali-Chemie Aktiengesellschaft. Method for the purification of hydrides of silicon and germanium group of the periodic system. 2,988,427, 6-13-61, Cl. 23—204.
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Jenks, William R., and J. S. Linder, to E. I. du Pont de Nemours and Co. Process for producing alkali metal cyanide. 2,993,754, 7-25-61, Cl. 23—79.
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Jenn, Louis J., and J. W. Schwier, to Jenn Air Products Co., Inc. Power roof ventilator. 2,988,981, 6-20-61, Cl. 98—43.
Jenne, John G. Plastic composition for floor covering and method of applying same. 2,977,863, 4-4-61, Cl. 94—3.
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Meyer, Kurt, Jenne, Schwalb, Michel, Stieger, and Weng. 2,982,533.
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Jenner, Ralph L., and S. B. Mills, to Lapp Insulator Co., Inc. Electrical transmission system. 3,002,043, 9-26-61, Cl. 174—40.
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Jenner, Robert K., Jr., to A. Kimball Co. Record analyzing apparatus. 2,973,142, 2-28-61, Cl. 235—61.11.
Jennings, Clifford R. Dispensing closures. 2,981,447, 4-25-61, Cl. 222—484.
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Jennings, Edward E., to The Pipe Machinery Co. Pipe reinforcing support. 3,010,728, 11-28-61, Cl. 279—2.
Jennings, Edwin J., Jr., J. A. Reddick, and E. E. Berkley, to Clayton Anderson & Co. Moisture tester. 3,005,152, 10-17-61, Cl. 324—65.
Jennings, Gresham N., to General Electric Co. Sequence control system for timing motor. 3,003,097, 10-3-61, Cl. 318—443.
Jennings, Harry C. Manually adjustable foot and leg rest for wheel chairs. 2,991,831, 7-11-61, Cl. 297—434.
Jennings, Harry C., Jr.: *See*—
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Jennings, Harry C., Jr., to Everest & Jennings, Inc. Sterilizer door. 2,970,718, 2-7-61, Cl. 220—55.3.
Jennings, Irving C. Power drive construction. 2,974,538, 3-14-61, Cl. 74—421.
Jennings, Jo E.: *See*—
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Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum electric switch. 2,979,587, 4-11-61, Cl. 200—144.
Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum switch. 2,979,588, 4-11-61, Cl. 200—144.
Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum switch. 2,981,813, 4-25-61, Cl. 200—144.
Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum switch. 2,982,836, 5-2-61, Cl. 200—144.
Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum switch. 3,014,106, 12-19-61, Cl. 200—144.
Jennings, Joseph A. Robbery-proof teller's section for banking institutions. 2,984,194, 5-16-61, Cl. 109—4.
Jennings, Joseph F.: *See*—
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Jennings Machine Corp.: *See*—
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Jennings, Ned L., W. F. Cantieri, and J. E. Clark, to Diamond Power Specialty Corp. Projection-type cleaning apparatus. 2,972,502, 2-21-61, Cl. 302—51.
Jennings Radio Mfg. Corp.: *See*—
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Jennings, Jo E. 2,979,587.
Jennings, Jo E. 2,979,588.
Jennings, Jo E. 2,981,813.
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Jennings, Webb C., I. T. Swartwood, and R. A. Sampson, to Sun Industries, Inc. Handle for containers. 3,000,527, 9-19-61, Cl. 215—100.
Jennings, William G.: *See*—
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Jenny, Alfred L., and D. H. Stephenson, to United States of America, Army. Electrolytic capacitor. 2,994,809, 8-1-61, Cl. 317—230.
Jenny, Dietrich A., to Radio Corp. of America. Semiconductor signal transmitting systems. 2,999,926, 9-12-61, Cl. 250—17.
Jenny, Dietrich A., and J. J. Wysocki, to Radio Corp. of America. Semiconductor devices and methods of making them. 2,979,428, 4-11-61, Cl. 148—1.5.
Jenny, Ernst, to Ciba Ltd. Process for the manufacture of cyclic aldehydes. 2,995,565, 8-8-61, Cl. 260—310.
Jenny, Frank J. Method for reducing ores and producing synthesis gas. 3,013,876, 12-19-61, Cl. 75—26.
Jenny, Walter, to Ciba Ltd. New 1:4-dihydroxy-5-acylaminoanthraquinones. 3,005,822, 10-24-61, Cl. 260—272.
Jenny, William P. Magnetogram analysis. 2,994,130, 8-1-61, Cl. 33—27.
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Bricknell, Frank S., and Cork. 2,992,131.
Jensen, Aage. Tracer system for machine tool. 2,967,463, 1-10-61, Cl. 90—13.5.
Jensen, Andrew O.: *See*—
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Jensen, Carl C. Filter. 3,005,556, 10-24-61, Cl. 210—488.
Jensen, Clarence F., to Jensen Industries, Inc. Phonograph stylus and mounting therefor. 3,002,759, 10-3-61, Cl. 274—37.
Jensen, Clarence J. and S. C. Concrete form securing means. 3,014,685, 12-26-61, Cl. 248—354.
Jensen, Clifford O.: *See*—
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Jensen, Darwin P., and L. A. Nelson, to Douglas Aircraft Co., Inc. Bath and process for chemically nickel plating magnesium. 2,993,810, 7-25-61, Cl. 117—130.
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Jensen, Hans, to Gits Bros. Mfg. Co. All metal shaft seal. 2,981,558, 4-25-61, Cl. 286—11.14.
Jensen, Harold F. Eyeglass cleaner. 3,008,161, 11-14-61, Cl. 15—21.
Jensen, Harry T., to United Aircraft Corp. Rotor blade installation means and method. 3,008,525, 11-14-61, Cl. 170—160.22.
Jensen, Harvey W., and E. H. Hartel, to Cleveland Pneumatic Industries, Inc. Aircraft landing gear. 2,984,437, 5-16-61, Cl. 244—104.
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Jensen, Irving J. Stopper for gas lines and the like. 2,977,992, 4-4-61, Cl. 138—89.
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Rust, David J., and Jensen. 2,980,947.
Jensen, Jack H. Corner reflector antenna. 2,973,518, 2-28-61, Cl. 343—837.
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Jensen, James L., to Minneapolis-Honeywell Regulator Co. Transistor stabilization circuit. 2,997,657, 8-22-61, Cl. 330—30.
Jensen, James L., to Minneapolis-Honeywell Regulator Co. Saturable core transistor oscillator. 2,997,664, 8-22-61, Cl. 331—109.
Jensen, James L., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 3,001,125, 9-19-61, Cl. 323—66.
Jensen, James L., to Minneapolis-Honeywell Regulator Co. Semiconductor apparatus. 3,002,142, 9-26-61, Cl. 321—9.
Jensen, James L., to Minneapolis-Honeywell Regulator Co. Semiconductor inverter with capacitive load means. 3,004,226, 10-10-61, Cl. 331—113.
Jensen, Kaj H., to Hamilton Watch Co. Battery driven clock. 2,990,676, 7-4-61, Cl. 58—28.
Jensen, Kaj H., to Hamilton Watch Co. Indexing mechanism. 3,011,305, 12-5-61, Cl. 58—28.
Jensen, Lester K., to Clark Equipment Co. Attachment device for industrial truck. 2,996,204, 8-15-61, Cl. 214—514.
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Jensen, Melvin E. Attachment for spreader. 2,970,710, 2-7-61, Cl. 214—519.
Jensen, Otto, and I. K. Dortort, to I-T-E Circuit Breaker Co. Current balancing reactors for diodes. 2,996,626, 8-15-61, Cl. 307—58.
Jensen, Philip B., to Scovill Mfg. Co. Ornament making and fastener applying apparatus. 2,992,431, 7-18-61, Cl. 1—124.
Jensen, Raymond W., to The Garrett Corp. Boundary layer control system for aircraft. 2,969,206, 1-24-61, Cl. 244—42.
Jensen, Raymond W., to The Garrett Corp. Means for synchronizing a plurality of pneumatic motors. 2,972,869, 2-28-61, Cl. 60—97.
Jensen, Raymond W., to The Garrett Corp. Cam piston two-stage compressor. 2,973,137, 2-28-61, Cl. 230—200.
Jensen, Raymond W., to The Garrett Corp. Pneumatic control means. 2,985,374, 5-23-61, Cl. 236—82.
Jensen, Raymond W., I. D. Burke, and R. L. Cholvin, to The Garrett Corp. Pressure regulator and shutoff valve. 2,969,806, 1-31-61, Cl. 137—495.
Jensen, Robert E., to General Electric Co. Combustion apparatus. 2,967,394, 1-10-61, Cl. 60—39.74.
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Jensen, Soren C.: *See*—
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Jensen, Thormod, to St. Regis Paper Co. Cooling method and means for laminating web materials. 2,972,369, 2-21-61, Cl. 154—1.6.
Jensen, Thormod, to St. Regis Paper Co. Bread wrapper sealing device. 2,978,007, 4-4-61, Cl. 154—42.
Jensen, Thormod, and V. J. Clock, to St. Regis Paper Co. Band sealing device. 2,991,823, 7-11-61, Cl. 154—1.6.
Jensen, Walter L., R. P. Phillips, and G. E. Claussen, to Union Carbide Corp. Metal arc welding, composition, and apparatus. 3,005,899, 10-24-61, Cl. 219—60.
Jensen, William A. Three wheeled motorized golf vehicle. 2,973,048, 2-28-61, Cl. 180—27.
Jensen, William P., and H. C. Hottel, to Texas Gulf Sulphur Co. Method and apparatus for direct contact heating of water. 2,972,228, 2-21-61, Cl. 60—39.05.
Jenson, Cecil R. Emergency buoy marker. 2,968,819, 1-24-61, Cl. 9—9.
Jenson, Kenneth S., and F. W. Suhr, to Preway, Inc. Fire ring. 2,994,368, 8-1-61, Cl. 158—91.
Jent, Herman C. Spectacles having adjustable bridge support. 2,986,971, 6-6-61, Cl. 88—43.
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Jentsch, Edward, and R. W. Cronk. Combined automatically fed pneumatic gun and target. 3,009,703, 11-21-61, Cl. 273—101.
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Jentzen, Sydney W., to Jentzen-Miller Co. Display shelving. 2,999,599, 9-12-61, Cl. 211—90.
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Jeppson, Morris R., to Applied Radiation Corp. Fluid irradiation. 2,002,329, 7-11-61, Cl. 250—48.
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Jepsen, Robert L.: *See*—
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Jepsen, Robert L., to Varian Associates. Electron discharge apparatus. 2,974,253, 3-7-61, Cl. 315—5.19.
Jepsen, Robert L., to Varian Associates. Electron discharge apparatus of the beam type. 2,996,639, 8-15-61, Cl. 315—5.19.
Jepson, Ivar, to Sunbeam Corp. Electric mixer. 2,987,636, 6-6-61, Cl. 310—50.
Jepson, Ivar, to Sunbeam Corp. Power lawn mower, 3,003,300, 10-10-61, Cl. 56—26.
Jepson, Ivar, to Sunbeam Corp. Hair dryer. 3,006,079, 10-31-61, Cl. 34—99.
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Jepson, Ivar, and G. R. Wolter, to Sunbeam Corp. Can opener. 3,002,274, 10-3-61, Cl. 30—4.
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Jepson, Percy. Fishing rod holder. 3,014,679, 12-26-61, Cl. 248—40.
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Jerger, Joseph, Jr., to Servo Corp. of America. Method of glass manufacture. 2,999,027, 9-5-61, Cl. 106—47.
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Jermář, Frantisek. Arrangement for raising or lowering of heavy bodies using the lifting power of floaters. 2,968,929, 1-24-61, Cl. 61—9.
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Carlisle, Charles H., Chalmers, and Smith. 2,967,291.
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Corley, Charles B., Jr., Tausch, and Kenneday. 3,003,560.
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Delly, Fredric H. 2,998,857.
Eckel, John E., and Camp. 2,979,144.
Feagin, Frank J., and Chernosky. 3,011,583.
Feagin, Frank J., Rust, and Chapanis. 3,014,551.
Focht, Frank T., Sims, and Knapp. 3,007,214.
Freeman, William A., and Meadors. 3,003,555.
Graham, John W. 3,011,566.
Graham, John W. 3,014,529.
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Heintz, Karl O. 2,966,953.
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Hibbard, Haines C. 2,982,923.
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Hoyer, Wilmer A., and Rumble. 2,982,858.
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Jordan, James K. 3,003,322.
Kenneday, John W. 2,970,470.
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Kimberly, Emerson E. 3,014,428.
Kirby, Robert A. 3,011,855.
Knapp, Richard P. 3,014,347.
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McCammon, George A. 2,970,716.
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McGehee, Farley M. 3,003,556.
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Meier, Edwin H., Roark, Skelton, and Webster. 3,012,474.
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O'Reilly, Wallace M. 2,994,382.
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Orr, Willis P. 3,003,558.
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Paulet, Emile G. 2,986,302.
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Prokop, Charles L., Graham, and Salathiel. 2,967,150.
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Robinson, Leon H., Jr., and Friedman. 3,014,423.
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Small, Merwyn C. 3,014,346.
Smink, David E. 3,003,564.
Smith, Jack C. 2,970,666.
Spriggs, Robert P. 2,982,356.
Stone, Herbert L. 2,994,372.
Stone, Herbert L. 2,994,373.
Tausch, Gilbert H. 3,007,526.
Tausch, Gilbert H., Corley, and Kenneday. 2,994,380.
Tausch, Gilbert H., and Kenneday. 3,003,563.
True, Martin E. 2,978,046.
True, Martin E. 2,998,068.
True, Martin E., and O'Reilly. 3,014,362.
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Jerue, Richard A., and A. N. Sweeny, to De Vlieg Machine Co. Point-to-point measuring and positioning control system for machine tools or the like. 3,011,113, 11-28-61, Cl. 318—467.
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Calvert, Glen M. 2,998,681.
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Jesinghaus, John, to Container Corp. of America. Shipping container with liner. 2,995,288, 8–8–61, Cl. 229—14.

Jeskin, Morton. Flexible closure device. 3,004,593, 10–17–61, Cl. 160—201.

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Jet Line Products, Inc.: *See*—
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Jetmould, Inc.: *See*—
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Jewell, Joseph W., to The M. W. Kellogg Co. Restricting product recovery system to minimize pressure surges. 2,968,608, 1–17–61, Cl. 208—95.

Jewell, Joseph W., to The M. W. Kellogg Co. Scrubbing flue gas with minimum pressure surges. 2,968,613, 1–17–61, Cl. 208—162.

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Jewell, Robert A., to Great Dane Trailers Inc. Endless track ball spring suspension for vehicles. 2,971,771, 2–14–61, Cl. 280—104.5.

Jewell, Robert A., to Great Dane Trailers Inc. Liquid spring suspension for vehicles. 2,988,373, 6–13–61, Cl. 280—104.5.

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Joa, Curt G. "Teflon" faced shoe for the pressure foot of a sewing machine or the like. 2,991,739, 7–11–61, Cl. 112—235.

Joachim, Joseph G.: *See*—
Brissette, Lawrence P., and Joachim. 3,010,749.

Jo-An Shoe Mfg. Co., Inc., The: *See*—
Bozza, Joseph D. 2,999,323.

Job, Frederick R., Jr.: *See*—
McCormack, Peter A., Job, and Hoffman. 3,012,591.

Jobard, Michel: *See*—
Gabilly, Jeannine, and Jobard. 2,983,657.

Jobbins, John K.: *See*—
Sutherland, Donald M., Proctor, Jobbins, and White. 2,985,431.

Jobert, Arthur H., to The New Britain Machine Co. Chuck-actuating mechanism. 3,002,257, 10–3–61, Cl. 29—37.

Jobert, Arthur H., to The New Britain Machine Co. Chuck-actuating means. 3,002,258, 10–3–61, Cl. 29—37.

Jochem, Theodore B., to Cutler-Hammer, Inc. Material handling system. 3,006,258, 10–31–61, Cl. 93—93.

Jochems, Pieter J. W.: *See*—
Van Overbeek, Adrianus J. W. M., Stieltjes, Jochems, Ensink, Verhagen, and Tummers. 3,008,091.

Jochems, Pieter J. W., and H. A. R. de Miranda, to North American Philips Co., Inc. Device responding to the difference between two input signals. 3,001,088, 9–19–61, Cl. 307—88.5.

Jodell, Georg E., A. Lindstrom, and S. Ysberg, to Aktiebolaget Elektrolux. Method of making multidensity expanded plastic body. 2,983,963, 5–16–61, Cl. 18—59.

Jodock, Marvin S., to W. E. Rockhill and A. D. Peterson, d.b.a. Globe Plastic Co. Engine inlet plug. 3,000,533, 9–19–61, Cl. 220—24.5.

Joehlin, Norman C.: *See*—
Barton, Wesley B., Chapman, Ferry, Joehlin, Kleist, and Tyler. 2,996,184.

Joel, Amos E., Jr., to Bell Telephone Laboratories, Inc. High speed signaling system using magnetic storage. 3,004,108, 10–10–61, Cl. 179—18.

Joelson, Karl E. A., to Aktiebolaget Industrikompaniet. Vibrator. 2,982,254, 5–2–61, Cl. 121—16.

Joelson, Karl-Evert A., to Aktiebolaget Industrikompaniet. Vibrator. 2,980,079, 4–18–61, Cl. 121—164.

Joelson, Karl-Evert A., to Aktiebolaget Industrikompaniet. Vibrator. 2,980,080, 4–18–61, Cl. 121—164.

Joelson, Karl-Evert A., to Aktiebolaget Industrikompaniet. Vibrator. 3,007,454, 11–7–61, Cl. 121—164.

Joerndt, Wilbur A., to United States of America, Navy. Combined modulator-attenuator. 2,989,708, 6–20–61, Cl. 333—81.

Joerren, Ernest A., and S. M. Bagno, to Specialties Development Corp. Control network for air conditioning units. 3,011,718, 12–5–61, Cl. 236—1.

Joesting, Frederick D., to Minneapolis-Honeywell Regulator Co. Control apparatus. 3,003,700, 10–10–61, Cl. 236—36.

Joffe, Edward J., to Park Plastics Co., Inc. Dispenser for measured amounts of fluid. 2,977,028, 3–28–61, Cl. 222—442.

Joffe, Edward J., to Park Plastics Co., Inc. Cable support and spacer. 3,005,609, 10–24–61, Cl. 248—61.

Johanesen, Harry A. Gaseous fuel economizing and improving device for internal combustion engines. 2,980,091, 4–18–61, Cl. 123—124.

Johannes, Erich H. L., to Campbell Soup Co. Apparatus for trimming and cutting predetermined lengths of spaghetti. 2,977,902, 4–4–61, Cl. 107—69.

Johannesen, Oddvar M., to Dresser Industries, Inc. Method and apparatus for earth borehole investigating and signaling. 2,973,505, 2–28–61, Cl. 340—18.

Johannessen, Paul R., ½ to J. C. Simons, Jr. Pulse-width modulated amplifier and method. 2,990,516, 6–27–61, Cl. 330—10.

Johannesson, Sven E. E., to Telefonaktiebolaget LM Ericsson. Electromagnetic relay. 2,993,151, 7–18–61, Cl. 317—198.

Johannsen, Adolf: *See*—
Pfannmueller, Wilhelm, Johannsen, Wolf, and Wittmann. 2,978,297.

Johannsen, Adolf, W. Danz, W. Pfannmueller, and H. Wolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for roasting a sulfur mineral with the production of sulfur dioxide. 2,993,778, 7–25–61, Cl. 75—9.

Johannsen, Bruno B.: *See*—
Silver, Walter H., and Johannsen. 3,007,531.

Johannsen, Bruno B., to Deere & Co. Spring tooth harrow. 2,983,321, 5–9–61, Cl. 172—390.

Johannsen, Peter, to Continental Gummi-Werke Aktiengesellschaft. Spring arrangement for vehicles. 2,989,300, 6–20–61, Cl. 267—31.

Johannsen, Peter, to Continental Gummi-Werke Aktiengesellschaft. Spring arrangement for vehicles. 2,989,301, 6–20–61, Cl. 267—34.

Johannson, Oscar K., to The Dow Corning Corp. Method of copolymerizing cyclic phenylsiloxanes. 2,994,684, 8–1–61, Cl. 260—46.5.

Johannson, Oskar K., to Dow Corning Corp. Method of polymerizing cyclic diorganosiloxanes. 3,002,951, 10–3–61, Cl. 260—46.5.

Johansen, Einar K., and G. M. Sommer, to U.S. Industries, Inc. Movable bolster for metal working press. 3,002,479, 10–3–61, Cl. 113—49.

Johansen, John V., and P. P. Stanley, to Reichel & Drews, Inc. Wrapping machine. 3,005,298, 10–24–61, Cl. 53—224.

Johansen, Rolf J.: *See*—
Richter, Johan C. F. C., and Johansen. 2,999,785.

Johanson, Carl E., and A. A. Lorenz, to The Bendix Corp. Sensitive speed instrument for aircraft. Re. 25,093, 12–5–61, Cl. 200—81.4.

Johanson, Carl E., and A. A. Lorenz, to The Bendix Corp. Sensitive speed instrument for aircraft. 2,972,028, 2–14–61, Cl. 200—81.4.

Johanson, Edwin S., to Hydrocarbon Research, Inc. Gas-liquid contacting process. 2,987,465, 6–6–61, Cl. 208—10.

Johanson, Karl L. B., to S. Leijonmarck. Piling machine for sheet-like materials. 2,981,420, 4–25–61, Cl. 214—6.

Johansson, Ake, to Aktiebolaget Svenska Flaktfabriken. Ventilating grille. 2,996,972, 8–22–61, Cl. 98—40.

Johansson, Eric. Waxy composition suitable as an impregnating agent, a process for its production, and impregnation of porous, especially cellulosic materials or objects with aid of this composition. 3,006,778, 10–31–61, Cl. 106—123.

Johansson, Erik L. W., to Aktiebolaget Svenska Kullagerfabriken. Automatic grinding machine. 2,997,818, 8–29–61, Cl. 51—165.

Johansson, Erik L. W., to Aktiebolaget Svenska Kullagerfabriken. Device for performing an automatic grinding operation. 2,998,000, 8–29–61, Cl. 125—11.

Johansson, Folke K. E.: *See*—
Kalling, Bo M. S., and Johansson. 2,978,318.

Johansson, Gustav R. Feed unit for rock drilling machines. 2,967,008, 1–3–61, Cl. 226—108.

Johansson, Lars O. Box conveying apparatus. 3,009,300, 11–21–61, Cl. 53—95.

Johansson, Nils G. L., to K. E. Person. Screw vice. 2,973,675, 3–7–61, Cl. 81—17.

Johansson, Oscar E., to Sondvik Steel, Inc. Power spring. 2,993,689, 7–25–61, Cl. 267—1.

Johansson, Oskar R.: *See*—
Van Auwelaer, Albert J., and Johansson. 2,994,446.

Johansson, Sven H., to A. J. A. Asplund. Grinding apparatus for disintegrating fibrous material. 2,971,704, 2–14–61, Cl. 241—37.

Johmann, Frank T.: *See*—
Bross, Helmut. 2,989,032.

John, Harry J. Mercury washer. 2,996,294, 8–15–61, Cl. 266—34.

John, Reginald: *See*—
Lane, Clayton A., and John. 2,989,615.

John, Robert S., Jr., and W. C. Cavallo, to Cook Electric Co. Punched-tape reading apparatus. 2,988,271, 6–13–61, Cl. 235—61.11.

Johns, Harold A., to Essex Graham Co. Slip off paint roller. 2,982,010, 5–2–61, Cl. 29—116.

Johns, La Moine E., to Conmar Products Corp. Slide fastener. 2,988,796, 6–20–61, Cl. 24—205.11.

Johns-Manville Corp.: *See*—
Breiner, Richard C., and Quinn. 3,007,841.
Cipolla, Richard H., Davis, and Vander Linden. 2,995,447.
Clinchy, Raymond C., Stone, and Ernst. 3,014,827.
Colliva, Dante. 2,977,276.
Colliva, Dante. 3,003,553.
Ekdahl, Wendell G. 2,976,162.
Gouveia, A. Peter. 3,009,829.
Greene, Kenneth F., and Stafford. 2,979,770.
Jack, William A. 2,967,583.
Jack, William A. 2,973,703.
Landgraf, George W. 3,008,257.
McFadden, Norman E. 3,013,361.
Miles, William S., and Siering. 3,008,550.
Palumbo, Henry J. 3,004,869.
Powell, Edward R. 2,968,069.
Quinn, Robert G. 2,987,802.
Ramm, Joseph L. 2,989,306.
Riede, Raymond G. 3,013,981.
Roberts, John W., Daum, and Donahue. 2,984,172.
Russum, Gaillard R. 2,996,183.
Rutter, Donald P., and Cimochowski. 2,975,821.
Swensen, John H. 3,000,776.
Tompkins, Sherman A. 2,998,229.

Johns-Manville Fiber Glass Inc.: *See*—
Finger, Joseph S. 2,969,301.
Holcomb, Harry E. 2,991,499.
Labino, Dominick. 3,006,797.
Labino, Dominick. 3,012,930.
McDuff, Leon E. 3,003,902.
McFadden, Norman E. 2,967,027.
McFadden, Norman E. 2,994,916.
McFadden, Norman E. 2,996,758.
Pim, Richard A. 3,012,327.
Pim, Richard A. 3,014,337.
Plummer, Jesse H. 3,009,199.
Rees, Vernon C. 2,990,675.
Sokal, Andrew L. 3,000,585.
Sowers, George H., and Colesworthy. 2,990,004.
Whalen, Kemener J. 2,992,157.
Wolfe, Homer L. 2,968,278.

Johns, Ralph W.: *See*—
Nigrelli, Biagio J., Standley, Schaller, and Wittmann. 2,997,833.
Nigrelli, Biagio J., Standley, Wittmann, and Pederson. 2,990,952.

Johns, William F., to G. D. Searle & Co. 17-oxygenated-18, 19-dinorandrost-4-en-3-ones. 2,972,623, 2–21–61, Cl. 260—397.3.

Johns, William F., to G. D. Searle & Co. D-homo-18-norestra-1,3,5(10)-trien-17a-ones and intermediates thereto. 3,005,835, 10–24–61, Cl. 260—397.5.

Johnsa, Berry H., to Atlanta Oak Flooring Co. Cylindrical cutter head having multi-drum axially aligned sections with angularly disposed blades. 2,969,816, 1–31–61, Cl. 144—117.

Johnsen, Cortland W. Safety shoe. 2,988,829, 6–20–61, Cl. 36—72.

Johnsen Design Services, Inc.: *See*—
Werner, Carlton P. 3,014,197.

Johnson, Alexander. Automatic fan control. 2,974,504, 3–14–61, Cl. 64—30.

Johnson, Alfred H., to International Business Machines Corp. Electrical interconnecting and mounting device for printed-circuit boards. 3,008,113, 11–7–61, Cl. 339—17.

Johnson, Algot F., to American Hoist & Derrick Co. Drag line crane. 2,978,820, 4–11–61, Cl. 37—116.

Johnson, Allan S., to Tapmatic Corp. Tapping attachment with adjustably yieldable clutch means. 3,002,206, 10–3–61, Cl. 10—135.

Johnson, Allen B. Fishing rod holder. 2,971,735, 2–14–61, Cl. 248—46.

Johnson, Alva A.: *See*—
Leeds, Winthrop M., and Johnson. 2,981,815.

Johnson, Alvin E.: *See*—
Hedenskoog, Ernest, Norberg, and Johnson. 2,991,078.
Hedenskoog, Ernest, Norberg, and Johnson. 2,967,707.

Johnson, Anderson F., Jr., to General Electric Co. Liquid rheostat. 3,003,130, 10–3–61, Cl. 338—83.

Johnson, Anthony L. Filter tube. 2,981,368, 4–25–61, Cl. 183—73.

Johnson, Arnold E., and L. Peretti, to Arvey Corp. Page turning device. 3,000,124, 9–19–61, Cl. 40—104.

Johnson, Arnold N., to Hooker Chemical Corp. Condensation of hexachlorocyclopentadiene. 2,996,553, 8–15–61, Cl. 260—648.

Johnson, Arthur E., to A. O. Smith Corp. Protection of a temperature sensitive device. 2,972,096, 2–14–61, Cl. 321—14.

Johnson, Arthur E., to A. O. Smith Corp. Direct current power source. 2,999,950, 9–12–61, Cl. 307—155.

Johnson, Arthur E., to United States of America, Navy, Omni-directional inertial switch. 3,001,039, 9–19–61, Cl. 200—61.45.

Johnson, Arthur E., to A. O. Smith Corp. Direct current arc welding apparatus. 3,004,207, 10–10–61, Cl. 321—24.

Johnson, Arthur F., to Strategic Materials Corp. Production of iron from ferrous slag materials. 2,986,458, 5–30–61, Cl. 75—40.

Johnson, Arthur M. Target projecting device utilizing a can and a blank cartridge. 3,004,360, 10–17–61, Cl. 42—1.

Johnson, Axel E. F., to American Hospital Supply Corp Patient bed and transfer stretcher. 2,984,843, 5–23–61, Cl. 5—86.

Johnson, Axel G., to Schulze and Burch Biscuit Co. Flour dusting device with flour loosener. 2,969,024, 1–24–61, Cl. 107—7.

Johnson, Benjamin M., Jr.: *See*—
Allemann, Rudolph T., and Johnson. 3,006,859.

Johnson, Benjamin M., Jr., and G. B. Barton, to United States of America, Atomic Energy Commission. Processing of radioactive waste. 3,008,904, 11–14–61, Cl. 252—301.1.

Johnson, Bernard H.: *See*—
Birtch, Fred E., and Johnson. 2,978,843.

Johnson, Bertil, to Lynch Corp. Cartoner. 2,968,901, 1–24–61, Cl. 53—230.

Johnson, Bruce H. Baby support. 3,013,555, 12–19–61, Cl. 128—134.

Johnson, Burton H.: *See*—
Edwards, William D., and Johnson. 2,977,146.

Johnson, Carl E., to Nelco Chemical Co. Water soluble complexes of alumina. 3,014,055, 12–19–61, Cl. 260—448.

Johnson, Carl E., and L. E. Hummel, to Nalco Chemical Co. Corrosion inhibitor composition and cooling solution. 2,972,581, 2–21–61, Cl. 252—75.

Johnson, Carl E., and F. G. H. Lee, to Nalco Chemical Co. Process of preparing 2-alkyl-1-hydroxyalkyl sulfates. 2,985,662, 5–23–61, Cl. 260—309.6.

Johnson, Carl H., and F. S. Pearne, to Regent Jack Mfg. Co., Inc. Pipe squeezing apparatus. 3,011,750, 12–5–61, Cl. 251—5.

Johnson, Carl M. Toy ball pump. 3,012,364, 12–12–61, Cl. 46—43.

Johnson, Carl W., and M. Pedersen, to American Machine & Foundry Co. Decorative stitch forming machine. 3,009,431, 11–21–61, Cl. 112—171.

Johnson, Carroll P., to Collapsible Van Co. Collapsible shipping van. 2,972,430, 2–21–61, Cl. 220—1.5.

Johnson, Cecil M.: *See*—
Engel, Raymond A., and Johnson. 3,001,550.

Johnson, Charles D.: *See*—
Sublett, Ira, and Johnson. 2,989,926.

Johnson, Charles H., to Gisholt Machine Co. Locating apparatus for machine tools. 2,990,740, 7–4–61, Cl. 82—14.

Johnson, Charles L. Pulse forming network and switching means therefor. 2,971,103, 2-7-61, Cl. 307—108.
Johnson, Charles M., to Johnson Mfg. Co. Earth-moving machine. 2,984,022, 5-16-61, Cl. 37—8.
Johnson, Charles W.: *See*—
Brouillette, Joseph W., Jr., and Johnson. 2,980,332.
Welss, Paul, and Johnson. 2,968,789.
Johnson, Chester W., ½ to A. Q. Mowatt. Silent switches. 2,987,592, 6-6-61, Cl. 200—67.
Johnson, Chrest B., Jr.: *See*—
Ford, John J., Jr., and Johnson. 3,013,204.
Johnson, Clarence. Force measuring instrument. 2,981,100, 4-25-61, Cl. 73—141.
Johnson, Clarence. Control valve operating lever bracket. 2,984,116, 5-16-61, Cl. 74—104.
Johnson, Clarence. Solenoid operated valve and solenoid assembly. 2,993,511, 7-25-61, Cl. 137—623.
Johnson, Clarence. Spool valve O-ring sealed spool. 2,997,065, 8-22-61, Cl. 137—622.
Johnson, Clarence I. Roller skate provided with propulsion means. 2,996,306, 8-15-61, Cl. 280—11.11.
Johnson, Clarence I., and C. J. Stehman, to The Chemstrand Corp. Liquid phase oxidation of cyclohexane in the presence of an aliphatic acid anhydride. 2,994,717, 8-1-61, Cl. 260—586.
Johnson, Clarence L., to Lockheed Aircraft Corp. Aircraft external fuel tank. 3,009,671, 11-21-61, Cl. 244—135.
Johnson, Clarence V. Foldable rocking device. 3,010,719, 11-28-61, Cl. 272—56.
Johnson, Clarence W.: *See*—
Evans, Albert M., and Johnson. 2,977,009.
Johnson, Clifford S. Device for bowlers. 2,980,426, 4-18-61, Cl. 273—54.
Johnson, Clyde C. Carpentry screw. 2,996,943, 8-22-61, Cl. 85—41.
Johnson, Clyde C. Wire stripping tool. 3,002,407, 10-3-61, Cl. 81—9.5.
Johnson Corp., The: *See*—
Hieronymus, John W. 2,978,815.
Hieronymus, John W. 3,009,261.
Johnson, Curtis C.: *See*—
Birdsall, Charles K., and Johnson. 2,976,454.
Birdsall, Charles K., and Johnson. 2,976,456.
Johnson, Dale C. Roll paper holder and dispenser. 3,004,693, 10-17-61, Cl. 225—77.
Johnson, David A.: *See*—
Nettleton, Donald E., Jr., Hooper, Johnson, and Hardcastle. 3,008,956.
Johnson, David A., to Bristol-Myers Co. Process for the production of 2-trifluoromethyl-4-amino-5-sulfamyl-benzenesulfonamide. 3,007,948, 11-7-61, Cl. 260—397.7.
Johnson, David A. Firearm and cartridge therefor. 3,008,258, 11-14-61, Cl. 42—14.
Johnson, David A., and G. A. Hardcastle, Jr., to Bristol-Myers Co. Process of antibiotic purification. 2,967,177, 1-3-61, Cl. 260—210.
Johnson, David A., and G. A. Hardcastle, Jr., to Beecham Research Laboratories Ltd. Process for the recovery of 6-aminopenicillanic acid. 3,008,955, 11-14-61, Cl. 260—239.1.
Johnson, David W., to The Arrow-Hart & Hegeman Electric Co. Tool handle switch with overload protection. 3,009,999, 11-21-61, Cl. 200—116.
Johnson, Donald E.: *See*—
Hykes, Glenn R., and Johnson. 2,984,729.
Johnson, Donald E. Electrically operated automatic sawmill set-works. 2,969,094, 1-24-61, Cl. 143—120.
Johnson, Donald S. Radial flow lift device. 2,978,206, 4-4-61, Cl. 244—23.
Johnson, Donald S., and R. H. Murray; said Johnson assor. to said Murray. Apparatus for handling, separating and positioning stacked articles. 3,007,296, 11-7-61, Cl. 53—246.
Johnson, Donn A.: *See*—
Georgen, Robert D., Johnson, and Landgren. 2,975,387.
Johnson, Dorothy M. Hose supporter. 2,975,432, 3-21-61, Cl. 2—306.
Johnson, Douglas L.: *See*—
Becker, Robert H., Johnson, and Martin. 2,991,502.
Johnson, Douglas O.: *See*—
Sharp, Chester L. 3,013,826.
Johnson, Earl A. Headlight reflector. 2,985,749, 5-23-61, Cl. 240—7.1.
Johnson, Earl B. Automatic water supply control. 2,982,298, 5-2-61, Cl. 137—421.
Johnson, Edgar G., and B. W. Neher, to Minnesota Mining and Mfg. Co. Electrolytic electrophotography. 3,010,883, 11-28-61, Cl. 204—18.
Johnson, Edgar G., and B. W. Neher, to Minnesota Mining and Mfg. Co. Electrophotosensitive copy-sheet. 3,010,884, 11-28-61, Cl. 204—18.
Johnson, Edgar G., and B. W. Neher, to Minnesota Mining and Mfg. Co. Electrolytic electrocopying apparatus. 3,011,963, 12-5-61, Cl. 209—206.
Johnson, Edward H., to American Warming and Ventilating Co. Louver. 2,987,985, 6-13-61, Cl. 98—121.
Johnson, Edward M.: *See*—
Burns, Fredrick B., and Johnson. 2,998,985.
Johnson, Edwin H., to Landor Inc. Pipe coupling with cam lever actuated latch for water test fixture. 3,011,805, 12-5-61, Cl. 285—137.
Johnson, Eldon A., to ACF Industries, Inc. Fuel system. 3,001,773, 9-26-61, Cl. 261—36.
Johnson, Eldon A., to ACF Industries, Inc. Fuel supply system for internal combustion engines. 3,003,753, 10-10-61, Cl. 261—36.
Johnson, Eldon A., and D. R. Compton, to ACF Industries, Inc. Mechanical fuel pump. 2,969,745, 1-31-61, Cl. 103—150.
Johnson, Eleanor C. Attachment for an artist's paint box. 3,004,363, 10-17-61, Cl. 45—129.
Johnson, Ellsworth L., P. W. Rocco, and D. C. Ross, to International Business Machines Corp. Buffer storage system. 2,968,791, 1-17-61, Cl. 340—172.5.
Johnson, Elmer C., and H. R. Craven, Jr., to The Vendo Co. Double depth staggered stack cylindrical package vender. 2,988,246, 6-13-61, Cl. 221—67.
Johnson, Elmer G. Supersonic fluid machine. 2,974,927, 3-14-61, Cl. 253—69.
Johnson, Elmer G. Turbo machine. 2,981,066, 4-25-61, Cl. 60—39.74.
Johnson, Elwood R.: *See*—
Bowman, Raymond H., and Johnson. 2,996,819.
Johnson, Eric C.: *See*—
Morris, Thomas C., and Johnson. 3,008,863.
Johnson, Eric C., and R. D. Clarke, to B. B. Chemical Co. Thermoplastic adhesive compositions and supply articles. 2,975,150, 3-14-61, Cl. 260—27.
Johnson, Ernest A. Sampling mechanism. 3,000,220, 9-19-61, Cl. 73—424.
Johnson, Ernest H., W. A. Ehrlich, and E. A. Zukowski, to The Bullard Co. Contour facing attachment. 2,983,174, 5-9-61, Cl. 82—2.
Johnson, Ernest W., to National Pneumatic Co., Inc. Ringing machine with adjustable tapered worm for eliminating backlash. 2,982,825, 5-2-61, Cl. 200—33.
Johnson, Eugene L., to General Electric Co. Condensation nuclei detector. 3,011,387, 12-5-61, Cl. 88—14.
Johnson, Everett P. Boat propelling means. 2,988,880, 6-20-61, Cl. 60—35.55.
Johnson, Ewell C.: *See*—
Ho, Yu-Chi, and Johnson. 3,011,110.
Johnson, Ewell C., and Y. C. Ho, to The Bendix Corp. Electrical system for controlling movement of objects. 3,002,115, 9-26-61, Cl. 307—149.
Johnson, Ewell C., and Y. C. Ho, to The Bendix Corp. Digital multiplier. 3,006,550, 10-31-61, Cl. 235—165.
Johnson-Fagg Engineering Co.: *See*—
Sharp, Chester L. 3,013,826.
Johnson Fare Box Co.: *See*—
Mahoney, Eugene T. 2,975,350.
Johnson, Ford L. Portable skating rink. 2,996,896, 8-22-61, Cl. 62—235.
Johnson, Ford L., F. M. Mayes, J. W. Jones, and B. F. Murphey. Distance measuring apparatus. 2,997,689, 8-22-61, Cl. 340—1.
Johnson, Forrest A., to Double J. Breaker Co. Ripper shank with wear plate. 3,001,591, 9-26-61, Cl. 172—700.
Johnson, Forrest A., to Double J Breaker Co. Ripper point assembly. 3,006,089, 10-31-61, Cl. 37—142.
Johnson, Forrest A., and H. E. Miller, to Ex-Cell-O Corp. Positioner for a magnetic data storage device. 3,009,759, 11-21-61, Cl. 346—74.
Johnson, Forrest G. Coin operated vibrating couch and ejector. 2,992,044, 7-11-61, Cl. 297—362.
Johnson, Francis M., and A. H. Lefebvre, to Rolls-Royce Ltd. Combustion chamber. 2,996,884, 8-22-61, Cl. 60—39.65.
Johnson, Frank E., Jr., to United-Carr Fastener Corp. Method of swaging interrupted threads in a sheet metal nut. 3,006,003, 10-31-61, Cl. 10—86.
Johnson, Fred. Slide fastener. 3,009,226, 11-21-61, Cl. 24—205.15.
Johnson, Frederic A., to Rohm & Haas Co. Separation of carbon fluorides from nitrogen fluorides. 3,013,631, 12-19-61, Cl. 183—115.
Johnson, Frederick O. Sensitivity control device. 2,968,191, 1-17-61, Cl. 74—469.
Johnson Furnace Co.: *See*—
Chapin, Almon J. 2,968,376.
Johnson Gage Development Co., The: *See*—
Johnson, Paul W. 3,008,240.
Johnson, Stanley G. 2,988,817.
Johnson, George B. Cut-off tool. 2,979,805, 4-18-61, Cl. 29—95.
Johnson, George C., and G. T. Kerr, to Socony Mobil Oil Co., Inc. Process for recovering sulfur from hydrogen sulfide-containing gases. 2,971,824, 2-14-61, Cl. 23—225.
Johnson, George E. Simulated shooting toys. 3,008,713, 11-14-61, Cl. 273—1.
Johnson, George P., 20% to G. R. Johnson and 20% to J. P. Johnson. Combination protractor and level. 2,990,622, 7-4-61, Cl. 33—215.
Johnson, George V. Outboard marine drive for inboard engine. 2,999,476, 9-12-61, Cl. 115—35.
Johnson, George W., to International Business Machines Corp. Acceleration measuring means. 2,979,960, 4-18-61, Cl. 73—517.
Johnson, Gerald R.: *See*—
Johnson, George P. 2,990,622.
Johnson, Glenn D., and C. S. Yingst, to The Heald Machine Co. Universal grinding machine. 2,985,988, 5-30-61, Cl. 51—50.
Johnson, Glenn D., and E. R. Lindgren, to Joy Manufacturing Co. Fluid operable power device for well operations. 2,998,084, 8-29-61, Cl. 175—85.

Johnson, Glenn W., Jr.: *See*—
Wilson, Wallace D., and Johnson. 2,981,533.
Johnson, Gordon: *See*—
Zebarth, Ralph S. 3,006,774.
Johnson, Gordon, Co.: *See*—
Carleton, Earl F., and Johnson. 2,991,274.
Zebarth, Ralph S. 2,968,831.
Zebarth, Ralph S. 2,976,983.
Zebarth, Ralph S. 2,993,228.
Zebarth, Ralph S. 2,981,972.
Johnson, Gordon B.: *See*—
Boynton, Kinnison S., Johnson, and Tyree. 3,009,824.
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Snoeyenbos, Gordon E., and Johnson. 3,004,311.
Johnson, Grady. Key pin for connecting link chains. 2,995,889, 8–15–61, Cl. 59—93.
Johnson, Grady. Fence stretching tool. 2,996,283, 8–15–61, Cl. 254—77.
Johnson, Grady. Tension band for fencing. 2,996,285, 8–15–61, Cl. 256—47.
Johnson, Graham H., to McGraw-Edison Co. Production line impulse testing apparatus. 2,990,514, 6–27–61, Cl. 324—55.
Johnson, Gustaf O. Fish gaff. 3,006,678, 10–31–61, Cl. 294—26.
Johnson, Harold D., to Philco Corp. Detecting system. 2,968,172, 1–17–61, Cl. 68—17.
Johnson, Harold M.: *See*—
Murray, Haydn H., and Johnson. 2,986,472.
Johnson, Harold T. Machine for dispensing measured quantities of liquid color concentrates. 3,010,616, 11–28–61, Cl. 222—309.
Johnson, Harry V., to Union Carbide Corp. Electrode joint. 2,970,854, 2–7–61, Cl. 287—127.
Johnson, Helge C., and N. M. Robinson, to Certain-Teed Products Corp. Shingle bundle wrapping equipment. 2,996,862, 8–22–61, Cl. 53—228.
Johnson, Henry G. Method and apparatus for photocomposing control. 3,010,376, 11–28–61, Cl. 95—73.
Johnson, Henry H. Educational device for teaching arithmetic. 2,966,747, 1–3–61, Cl. 35—31.
Johnson, Henry H. Educational devices. 3,014,285, 12–26–61, Cl. 35—31.
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Metcalf, Herbert E., and Johnson. 2,978,398.
Johnson, Herbert C., to United States of America, Air Force. Inflatable de-icing boot. 2,970,794, 2–7–61, Cl. 244—134.
Johnson, Herbert G. Apparatus for consolidating particulate materials continuously without melting. 2,975,893, 3–21–61, Cl. 207—2.
Johnson, Herbert L., H. E. Reif, and A. Schneider, to Sun Oil Co. Catalyst for hydrocarbon conversions. 2,967,820, 1–10–61, Cl. 208—112.
Johnson, Herbert S., to Shawinigan Chemicals Ltd. Electrothermic fluidized bed apparatus. 3,006,838, 10–31–61, Cl. 204—312.
Johnson, Herbert S., and A. H. Andersen, to Shawinigan Chemicals Ltd. Process for preparation of carbon disulphide and for the desulphurization of coke. 3,009,781, 11–21–61, Cl. 23—206.
Johnson, Herman K., to The Bastian-Blessing Co. Drink dispenser. 3,009,337, 11–21–61, Cl. 62—390.
Johnson Hinge Co., Inc.: *See*—
McIntyre, Robert R. 2,978,013.
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Gibbs, Walter, and Mollin. 3,007,128.
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Johnson, Irving B., to Binghamton Container Co., Inc. Reel. 2,992,791, 7–18–61, Cl. 242—118.8.
Johnson, Irwin E., to The Harshaw Chemical Co. Method of purifying alkali metal iodides. 3,002,811, 10–3–61, Cl. 23—89.
Johnson, James F., to Sinclair Oil & Gas Co. Portable oscillograph. 2,976,108, 3–21–61, Cl. 346—109.
Johnson, James F., and R. B. Robinson, to Sinclair Oil & Gas Co. Vacuum framing apparatus. 2,988,827, 6–20–61, Cl. 35—41.
Johnson, James H., to Olin Mathieson Chemical Corp. Takedown assembly for a firearm with a gas piston. 3,003,400, 10–10–61, Cl. 89—191.
Johnson, James L.: *See*—
Caron, Edgar L., Johnson, Hinman, and Hoeksema. 2,983,723.
Johnson, James P.: *See*—
Johnson, George P. 2,990,622.
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Johnson, Jerome E., to Tension Envelope Corp. Holder for packaging phonograph records. 2,970,687, 2–7–61, Cl. 206—62.
Johnson, Jesse R. Valve. 2,973,181, 2–28–61, Cl. 251—172.
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Kindseth, Harold V., Johnson, and Ludlow. 3,001,582.
Johnson, John A. Railway flat car bridging plate. 3,004,500, 10–17–61, Cl. 105—458.
Johnson, John A. Marine craft supporting hydrofoil having depth controlling slots. 3,006,307, 10–31–61, Cl. 114—66.5.
Johnson, John H.: *See*—
Fields, Joseph E., and Johnson. 2,979,454.
Zopf, George W., Jr., Johnson, Hedrick, Fields, and Butler. 2,977,334.
Johnson, John H., to Monsanto Chemical Co. Manufacture of low molecular weight olefin/maleic anhydride copolymers. 2,980,653, 4–18–61, Cl. 260—78.5.
Johnson, John H., and J. E. Fields, to Monsanto Chemical Co. Dispersing agents. 3,000,840, 9–19–61, Cl. 260—8.
Johnson, John M., Jr.: *See*—
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Johnson & Johnson: *See*—
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Bergstedt, Milton A., and Lamason. 2,978,372.
Bird, William H. 3,005,454.
Brenner, Fivel C., and Liloia. 2,968,858.
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Brown, James D. 3,010,671.
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Chesnut, James A., and Singalewitch. 3,002,770.
Collins, Winifred C. 3,012,913.
Collins, Winifred C., and McElroy. 3,004,867.
Davies, Thomas P. 3,006,338.
Deker, Marta. 2,972,350.
Douglas, Jocelyn F., and Gaughran. 2,995,493.
Ganz, Henry. 2,999,653.
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Hannauer, George, Jr. 2,969,145.
Korpman, Ralf. 2,999,769.
Lamason, Robert H. 2,989,419.
Larson, Stanley C., and Halliday. 2,978,200.
Lieberman, Emanuel R., and Oneson. 3,014,024.
Lo, Elizabeth S. 3,008,925.
Marinaro, Armand M. 3,007,571.
Masci, Joseph N., and Poirier. 2,999,069.
Plantinga, Oliver S., and Trewella. 2,992,644.
Safar, Peter, and McMahon. 3,013,554.
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Sellers, John C. 2,997,464.
Sellers, John C. 3,002,954.
Sellers, John C. 3,002,955.
Sellers, John C. 3,005,802.
Strickel, William R., and Kihlstrum. 2,988,468.
Thomas, William J. 3,003,643.
Walker, Ruth A. 2,970,160.
Weinberg, Marvin A. 2,979,423.
Weschler, Joseph R., and P. and H. Lagally. 2,967,797.
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Zackheim, Eli A. 2,990,948.
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Johnson, Justin O., Jr., to Minneapolis-Honeywell Regulator Co. Zero adjusting apparatus. 2,999,384, 9–12–61, Cl. 73—393.
Johnson, Justin O., Jr., and K. H. Stokes, to Minneapolis-Honeywell Regulator Co. Ambient temperature compensating means for capillary tubing. 2,979,953, 4–18–61, Cl. 73—368.4.
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Lundkvist, Karl A., Ericsson, Johnson and Alexandersson. 3,001,023.
Johnson, Kenneth C. Relay construction. 2,993,150, 7–18–61, Cl. 317—198.
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Johnson, Kenneth G.: *See*—
Wassel, Eugene S., and Johnson. 2,977,854.
Johnson, Kenneth M., to The Stanley Works. Hinge. 2,972,166, 2–21–61, Cl. 16—189.
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Ellsworth, Ivan W., and Johnson. 2,979,404.
Johnson, Nelson B. 2,984,416.
Johnson, Kenneth S. and K. S. Johnson, Jr. Combustion chambers. 2,984,235, 5–16–61, Cl. 126—119.
Johnson, Kenneth S., Jr.: *See*—
Johnson, Kenneth S. and K. S. Johnson, Jr. 2,984,235.
Johnson, Kenneth W., and N. D. Houk. Fish stringer. 2,991,530, 7–11–61, Cl. 24—241.
Johnson, Laurence E.: *See*—
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Johnson, Lee C., and E. S. McVey, to International Telephone and Telegraph Corp. Frequency modulated oscillator system. 2,968,769, 1–17–61, Cl. 331—14.
Johnson, Leighton R., Jr.: *See*—
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Johnson, Leopold J., to The Siegler Corp. Windings for dynamo-electric machines. 2,995,672, 8–8–61, Cl. 310—180.
Johnson, Leopold J., to The Siegler Corp. Apparatus for producing alternating current. 3,001,124, 9–19–61, Cl. 322—61.

Johnson, Leopold J., to The Siegler Corp. Frequency control apparatus for alternators. 3,012,185, 12–5–61, Cl. 322—32.
Johnson, LeRoy E., and C. C. Sperry, to The Upjohn Co. Assaying process. 2,982,699, 5–2–61, Cl. 195—103.5.
Johnson, Leslie E. Gamma-compensated ionization chamber. 2,976,418, 3–21–61, Cl. 250—83.1.
Johnson, Leslie E. High sensitivity ionization chamber. 2,976,443, 3–21–61, Cl. 313—61.
Johnson, Leslie M., to Midwest Mfg. Corp. Wedge type door gasket. 3,001,251, 9–26–61, Cl. 20—69.
Johnson, Loran L. Dust guard and seal for railroad car journal boxes. 2,995,389, 8–8–61, Cl. 286—5.
Johnson, Loyd C. Door latch. 2,973,215, 2–28–61, Cl. 292—79.
Johnson, Malcolm S., to Illinois Railway Equipment Co. Lading tie anchor means. 3,014,436, 12–26–61, Cl. 105—369.
Johnson Mfg. Co.: *See*—
Johnson, Charles M. 2,984,022.
Johnson, Maurice F. Vehicular camping trailers. 3,001,813, 9–26–61, Cl. 296—23.
Johnson, Maurice V., Jr., and D. C. Savage, to Sunkist Growers, Inc. Resilient printing die. 2,971,459, 2–14–61, Cl. 101—379.
Johnson, Maurice V., Jr., and D. C. Savage, to Sunkist Growers, Inc. Printing machine. 2,987,991, 6–13–61, Cl. 101—37.
Johnson, Miles C., and W. W. Weinstock, to Radio Corp. of America. Moving target indication radar systems. 2,989,742, 6–20–61, Cl. 343—7.7.
Johnson, Nelson B., deceased (K. S. Johnson, administrator). Hot air heating methods. 2,984,416, 5–16–61, Cl. 237—81.
Johnson, Norman D., and R. P. Schwartz, to Rohr Aircraft Corp. Fixture transfer mechanism. 3,008,431, 11–14–61, Cl. 104—98.
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Broadhead, James H., Johnson, and Smith. 3,003,297.
Johnson, Oliver D., to International Business Machines Corp. Method for web feeding and cutting. 2,981,134, 4–25–61, Cl. 83—18.
Johnson, Oscar A., to Riley Stoker Corp. Alarm for drum-type feeder. 3,007,147, 10–31–61, Cl. 340—236.
Johnson, Oscar H., to American Brake Shoe Co. Grinding mills. 2,980,352, 4–18–61, Cl. 241—183.
Johnson, Paul A.: *See*—
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Johnson, Paul H., R. V. Denton, and C. R. Eberline, to Phillips Petroleum Co. Process for reactivating used cracking catalysts. 2,977,323, 3–28–61, Cl. 252—415.
Johnson, Paul R., to Joy Mfg. Co. Power operated steering mechanism for six-wheel articulated shuttle car. 3,008,592, 11–14–61, Cl. 214—83.36.
Johnson, Paul V., R. B. Taylor, and J. P. Dunne, to Structural Clay Products Research Foundation. Transfer crane. 2,980,265, 4–18–61, Cl. 214—1.
Johnson, Paul W., to The Johnson Gage Development Co. Comparator gage with test part aligner. 3,008,240, 11–14–61, Cl. 33—199.
Johnson, Philip A.: *See*—
Seal, John K. R., and Johnson. 2,994,105.
Johnson, Philip A., 15% to R. L. Gausewitz. Aerator. 3,003,705, 10–10–61, Cl. 239—399.
Johnson, Philip C., to F. and F. Koenigkramer Co. Vertically adjustable safety table for near-counter-balanced supporting of instruments. 2,977,168, 3–28–61, Cl. 311—39.
Johnson, Philip C., and N. R. Cox, to Union Carbide Corp. Process for the production of aldehydes and alcohols. 3,014,970, 12–26–61, Cl. 260—632.
Johnson, Philip L., and P. B. Wayman, to Fisher Governor Co. Internal spring type safety relief valve. 3,008,485, 11–14–61, Cl. 137—541.
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Johnson, Ralph B., to Sylvania-Corning Nuclear Corp. Nuclear fuel assembly locking joint and method. 2,981,673, 4–25–61, Cl. 204—193.2.
Johnson, Ralph E., to The Singer Mfg. Co. General purpose presser-foot for sewing machines. 2,968,267, 1–17–61, Cl. 112—235.
Johnson, Ralph E., to The Singer Mfg. Co. Stitch length adjusting means for sewing machines. 2,970,556, 2–7–61, Cl. 112—210.
Johnson, Ralph E., to The Singer Mfg. Co. Needle clamp for sewing machines. 2,973,733, 3–7–61, Cl. 112—226.
Johnson, Ralph E., to The Singer Mfg. Co. Thread tension device for sewing machines. 2,986,358, 5–30–61, Cl. 242—150.
Johnson, Ralph E., to The Singer Mfg. Co. Sewing machines. 2,989,016, 6–20–61, Cl. 112—158.
Johnson, Ralph E., to The Singer Mfg. Co. Loop takers for sewing machines. 3,006,298, 10–31–61, Cl. 112—192.
Johnson, Ralph E., to The Singer Mfg. Co. Seam guides for sewing machines. 3,011,461, 12–5–61, Cl. 112—153.
Johnson, Ralph H., to General Motors Corp. Internal combustion engine piston. 2,970,020, 1–31–61, Cl. 309—9.
Johnson, Ralph H., to The Quaker Oats Co. Apparatus for loading containers. 2,997,829, 8–29–61, Cl. 53—62.
Johnson, Ralph R. Waste receiver and disposer for moving vehicle. 3,010,662. 11–28–61, Cl. 241—36.
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Korpi, Karl J., and Johnson. 3,001,865.
Korpi, Karl J., and Johnson. 3,001,866.
Korpi, Karl J., and Johnson. 3,001,867.
Johnson, Raymond H., to Bahia Mision Development Co., Inc. Method of attaching a structural member to a core of a structural sandwich. 2,983,038, 5–9–61, Cl. 29—471.1.
Johnson, Reynold B., O. F. Moneagle, T. D. Koranye, H. A. Jurgens, and M. P. Prater, to International Business Machines Corp. Record sensing devices. 2,983,445, 5–9–61, Cl. 235—61.11.
Johnson, Richard H., and W. G. Kuehn, Jr., to Container Corp. of America. Granular material container with handle. 2,981,459, 4–25–61, Cl. 229—52.
Johnson, Richard H., and D. P. Wallach, to The Upjohn Co. Therapeutic composition comprising tetracycline and a dioxolane. 3,004,894, 10–17–61, Cl. 167—82.
Johnson, Richard L., and M. F. Roseman, to United States of America, Army. Cable tensioning apparatus. 3,005,621, 10–24–61, Cl. 254—175.7.
Johnson, Richard M.: *See*—
Goode, William P., and Johnson. 2,981,503.
Johnson, Richard M., to United States of America, Navy Control linkage for airfoils. 2,985,408, 5–23–61, Cl. 244—48.
Johnson, Robert: *See*—
Campbell, Charles R., Chapman, and Johnson. 2,987,452.
Kocher, Erich J., and Johnson. 2,997,861.
Johnson, Robert, to H. K. Porter Co. Inc. Telephone service fitting for floor distribution systems. 2,968,689, 1–17–61, Cl. 174—48.
Johnson, Robert, to H. K. Porter Co. Inc. Induction welding machine with auxiliary air blast heating. 2,991,345, 7–4–61, Cl. 219—8.5.
Johnson, Robert, and T. E. Hoskins, to H. K. Porter Co., Inc. Multi outlet duplex receptacle system for master switch control. 3,003,132, 10–3–61, Cl. 339—23.
Johnson, Robert, and T. E. Hoskins, to H. K. Porter Co., Inc. Multi juncture box for underfloor duct systems. 3,013,690, 12–19–61, Cl. 220—3.7.
Johnson, Robert A.: *See*—
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Johnson, Robert A., and E. J. Birkenbach, to International Harvester Co. Coil spring harrow. 2,990,021, 6–27–61, Cl. 172—618.
Johnson, Robert A., R. K. McElroy, and W. H. Wickboldt, to Continental Can Co., Inc. Rotary marking device. 2,993,434, 7–25–61, Cl. 101—35.
Johnson, Robert C. Hollow metal doors. 3,004,641, 10–17–61, Cl. 189—46.
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Anderson, Lloyd L., Johnson, Metzger, and Van Noord. 2,978,113.
Short, Brooks H., and Johnson. 3,015,009.
Johnson, Robert E. Process of making piano string. 2,968,863, 1–24–61, Cl. 29—169.5.
Johnson, Robert H. Liquid wax applying device. 2,984,854, 5–23–61, Cl. 15—235.
Johnson, Robert L. Simulated pocket handkerchief. 2,968,045, 1–17–61, Cl. 2—279.
Johnson, Robert R.: *See*—
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Cherin, Alvin A., and Johnson. 2,969,913.
Johnson, Robert R., to United States of America, Navy. Voltage regulating system. 3,012,187, 12–5–61, Cl. 323—56.
Johnson, Roger C., to Vilter Mfg. Corp. Spray type concentrator. 2,998,059, 8–29–61, Cl. 159—4.
Johnson, Rowland E., to Texas Instruments Inc. Method of zone refining for impurities having segregation coefficients greater than unity. 2,996,374, 8–15–61, Cl. 75—63.
Johnson, Roy A., to The Bridgeport Machines, Inc. Rotary work table with dirt excluding gear mesh controls. 2,989,874, 6–27–61, Cl. 74—405.
Johnson, Roy J. Variable flow livestock feeder. 2,970,568, 2–7–61, Cl. 119—52.
Johnson, Roy V., to Midwest Mfg. Corp. Shelf mounting. 2,970,873, 2–7–61, Cl. 312—214.
Johnson, Rubel McN. Continuous roll winder. 2,984,426, 5–16–61, Cl. 242—56.
Johnson, S. C., & Son, Inc.: *See*—
Asher, Eldon L., Folwell, and Meldgaard. 3,003,241.
Bader, Alfred R. 2,971,025.
Harris, William C., and Anderson. 3,000,035.
Pearce, John W. 2,976,265.
Johnson, Sallie H. Drapery hanging mechanism. 2,971,213, 2–14–61, Cl. 16—87.2.
Johnson, Scott R., to Continental Can Co., Inc. Composite side opening biscuit container and blank therefor. 3,009,626, 11–21–61, Cl. 229—51.
Johnson Service Co.: *See*—
Hillman, Leon, and Bolz. 3,005,462.
Johnson, Sigurd O. Centrifugal fluid moving device. 2,991,982, 7–11–61, Cl. 257—260.
Johnson, Sigurd W., to Radio Corp. of America. Developing apparatus. 2,991,754, 7–11–61, Cl. 118—637.
Johnson, Spencer: *See*—
Biskup, John, Johnson, and Wetterau. 2,983,622.

Johnson, Stanley A., and F. E. Alger, to PRD Electronics, Inc. Molecular beam apparatus of the master type. 2,972,697, 2–21–61, Cl. 313—231.
Johnson, Stanley G., to The Johnson Gage Development Co. Pivotally contractible plug gage for testing diameter and centricity. 2,988,817, 6–20–61, Cl. 33—199.
Johnson, Stanley L., to Minnesota Mining & Mfg. Co. Contact wheel for abrasive belts. 3,000,149, 9–19–61, Cl. 51—141.
Johnson, Stanley N., to Motor Wheel Corp. Method of making tapered wheel disks. 2,975,511, 3–21–61, Cl. 29—159.01.
Johnson, Sterling C. Automatic control system for distribution circuit capacitors. 2,976,480, 3–21–61, Cl. 323—106.
Johnson, Stewart C., and W. A. Smith, to Westinghouse Electric Corp. Microwave oven apparatus. 2,993,973, 7–25–61, Cl. 219—10.55.
Johnson, Sydney W.: *See*—
Barent, Mark, and Johnson. 2,997,368.
Johnson, Tegner A., to United States Steel Corp. Method of flocculating suspended solids. 2,980,608, 4–18–61, Cl. 210—52.
Johnston Testers, Inc.: *See*—
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Johnson, Thaddeus C., Sr. Float operated switch. 2,979,583, 4–11–61, Cl. 200—84.
Johnson, Theodore B.: *See*—
McCallum, John, Johnson, Ditmars, and McGraw. 2,979,553.
Johnson, Thomas B., to H. H. Robertson Co. Method of and apparatus for producing a mastic caulking compound. 2,985,912, 5–30–61, Cl. 18—12.
Johnson, Thomas E.: *See*—
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Johnson, Thomas H., to The Cottrell Co. Printing cylinders for rotary web presses. 2,986,085, 5–30–61, Cl. 101—177.
Johnson, Thomas J., Jr., to Gilfillan Bros. Inc. Periodic reference signal modulation method and apparatus for representing the position of a device. 2,976,521, 3–21–61, Cl. 340—196.
Johnson, Thomas M. Sound actuated toy. 2,995,866, 8–15–61, Cl. 46—244.
Johnson, Valdimar C. Resilient rib and groove slide fasteners. 2,972,792, 2–28–61, Cl. 24—201.
Johnson, Vernon R. Fishing signal device. 3,010,239, 11–28–61, Cl. 43—17.
Johnson, Victor E.: *See*—
Wardwell, Frederick S., and Johnson. 2,970,537.
Johnson, Victor P., to The M. W. Kellogg Co. Refractory lining for vessels. 2,982,623, 5–2–61, Cl. 23—288.
Johnson, Wallace C., to Olin Mathieson Chemical Corp. Sheet or plate metal articles having hollow sections and method of making the same. 2,983,993, 5–16–61, Cl. 29—157.3.
Johnson, Wallace C., to Olin Mathieson Chemical Corp. Metal articles having hollow sections and method of making same. 2,983,994, 5–16–61, Cl. 29—157.3.
Johnson, Wallace C., to Arcos Corp. Welding with washing effect. 3,001,898, 9–26–61, Cl. 148—23.
Johnson, Wallace J. S., and R. E. Fisher, to Up-Right, Inc. Folding scaffold. 3,000,466, 9–19–61, Cl. 182—118.
Johnson, Wallace M., to General Electric Co. Switching arrangement. 2,977,527, 3–28–61, Cl. 323—43.5.
Johnson, Walter H., and S. M. Keenan. Portable cutter for keyways. 2,997,925, 8–29–61, Cl. 90—12.
Johnson, Walter J.: *See*—
Hopner, Emil, Wood, and Johnson. 2,994,736.
Johnson, Walter J., to United-Greenfield Corp. Adjustable pliers. 3,005,368, 10–24–61, Cl. 81—410.
Johnson, Walter J., to Bell & Howell Co. Optical objective. 3,011,402, 12–5–61, Cl. 88—57.
Johnson, Walter T., and F. R. Barnet, to United States of America, Navy. Apparatus for making wound plastics structure. 2,970,343, 2–7–61, Cl. 18—45.
Johnson, Warren E. Jr. Golf practice device. 3,001,795, 9–26–61, Cl. 273—181.
Johnson, Wayne R., to Minnesota Mining and Mfg. Co. Magnetic-tape drop-out compensator. Re. 24,956, 3–28–61, Cl. 178—6.6.
Johnson, Wayne, R., to Minnesota Mining & Mfg. Co. Apparatus for compensating reel flutter in tape-recording equipment. 2,985,396, 5–23–61, Cl. 242—55.12.
Johnson, Wayne R., to Minnesota Mining and Mfg. Co. Control system. 2,995,693, 8–8–61, Cl. 318—314.
Johnson, Wayne R., to Minnesota Mining & Mfg. Co. Constant speed drive mechanism. 3,005,940, 10–24–61, Cl 318—305.
Johnson, Weldon H., to Lear, Inc. Overload limiting clutch. 2,966,977, 1–3–61, Cl. 192—84.
Johnson, Wesley T., Jr.: *See*—
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Johnson, Willard J., to Frank W. Horner Ltd. Inhibition of isoniazid acetylation. 2,971,887, 2–14–61, Cl. 167—65.
Johnson, Willard J. Inhibition of isoniazid acetylation. 3,012,938, 12–12–61, Cl. 167—65.
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Johnson, William E. P., to Power Jets (Research & Development) Ltd. Gas turbines. 3,009,682, 11–21–61, Cl. 253—39.15.
Johnson, William G., to E. I. du Pont de Nemours and Co. Acrylonitrile extraction process. 2,980,726, 4–18–61, Cl. 260—465.9.
Johnson, William G., to E. I. du Pont de Nemours and Co. Acrylonitrile extraction process. 2,980,727, 4–18–61, Cl. 260—465.9.
Johnson, William K., to Monsanto Chemical Co. Dimerization of olefins. 3,009,972, 11–21–61, Cl. 260—683.15.
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Johnston, John G. Solar heater. 2,980,005, 8–29–61, Cl. 126—270.
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Joly, Robert, G. Muller, and J. Warnant, to Les Laboratoires Francais de Chimiotherapie. Process of producing 1β-carboxymethyl - 2β - methoxycarbonyl - 3α - methoxy - 4β-acetoxy-6β-formyl cyclohexane. 2,971,978, 2–14–61, Cl. 260—468.
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Jones, Ellis. Method of enlarging a wood house. 2,980,968, 4–25–61, Cl. 20—.5.

Jones, Eric H., to The British Cotton Industry Research Association. Back filling of carpets or like operations. 2,981,638, 4–25–61, Cl. 117—111.

Jones, Ernest E., to United-Carr Fastener Corp. Fastening device. 2,980,975, 4–25–61, Cl. 24—90.

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Jones, George L. Bearing construction for gyroscopes and like instruments. 2,990,222, 6–27–61, Cl. 308—194.

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Jones, Jennings H., and M. R. Fenske, to Esso Research and Engineering Co. Production of esters. 2,989,563, 6–20–61, Cl. 260—496.

Jones, Jo B., and R. H. Buehler, to The Coleman Co., Inc. Duct connector. 3,001,805, 9–26–61, Cl. 285—397.

Jones, John D.: *See*—
En Dean, Howard J., Jones, and Topanelian. 2,980,854.

Jones, John E.: *See*—
Mentzer, James S., Seeger, Jones, and Fritz. 2,985,052.

Jones, John F.: *See*—
Cohen, Louis, Spaulding, and Jones. 2,988,539.
Glass, John A., and Jones. 2,980,655.
Mital, Alfred J., and Jones. 2,996,488.
Semon, Waldo L., and Jones. 2,988,541.

Jones, John F. Ear corn holder. 2,999,713, 9–12–61, Cl. 294—5.

Jones, John F., to The B. F. Goodrich Co. Cyclic polymer and method of preparation. 2,978,436, 4–4–61, Cl. 260—63.

Jones, John F., to The B. F. Goodrich Co. Composition comprising derivatives of cross-linked carboxylic acid anhydride polymers and method of preparing same. 2,985,625, 5–23–61, Cl. 260—78.

Jones, John F., and A. J. Mital, to The B. F. Goodrich Co. Cross-linked polymers and method for their preparation. 2,985,631, 5–23–61, Cl. 260—78.5.

Jones, John F., and R. M. Summers, to The B. F. Goodrich Co. Polymers containing amide and carboxylic groups. 3,005,784, 10–24–61, Cl. 260—2.1.

Jones, John F., H. Tucker, and L. F. Arnold, to The B. F. Goodrich Co. Polymers containing ester and carboxyl groups. 3,005,785, 10–24–61, Cl. 260—2.1.

Jones, John I., and S. Bowman, to The Thew Shovel Co. Permanent magnet lifting device. 3,009,727, 11–21–61, Cl. 294—65.5.

Jones, John M., Jr. Repeater or continuous loop mechanism for film. 3,013,738, 12–19–61, Cl. 242—55.19.

Jones, John P., to A. D. Goodwin, & Son, Inc. Tree shaker apparatus. 3,006,130, 10–31–61, Cl. 56—328.

Jones, John P., C. A. Cobb, and J. T. Williams, to Whirlpool Corp. Coaxial flow drier. 3,000,108, 9–19–61, Cl. 34—133.

Jones, John T. Display apparatus. 2,968,883, 1–24–61, Cl. 40—130.

Jones, Joseph H., to Copperweld Steel Co. Manufacture of bimetallic billets. 3,001,059, 9–19–61, Cl. 219—137.

Jones, Kenneth C. Rug drying conveyor means. 2,986,263, 5–30–61, Cl. 198—34.

Jones, Kenton J.: *See*—
Grewell, Glenwood, and Jones. 2,980,771.

Jones and Lamson Machine Co.: *See*—
Flanders, Ernest V. 2,981,038.
Shultz, Walter. 2,994,304.

Jones & Laughlin Steel Corp: *See*—
Laycak, John F. 2,999,944.
Rice, Frank. 2,970,351.
Somerville, Peter P. 2,988,394.
Uphoff, Russel L., and Laycak. 2,976,490.

Jones, Lawrence R., to Commercial Solvents Corp. Nitroalkyl piperazines. 2,990,406, 6–27–61, Cl. 260—268.

Jones, Leon, to Robertshaw-Fulton Controls Co. Breathing apparatus. 2,988,085, 6–13–61, Cl. 128—142.

Jones, Leona S.: *See*—
McDonald, Dan. 3,002,877.

Jones, Leonard S., and S. Kowalyshyn, to United States of America, Navy. Torpedo depth steering control. 2,980,048, 4–18–61, Cl. 114—25.

Jones, Leroy B., to Endicott Johnson Corp. Apparatus for treating hides. 2,995,024, 8–8–61, Cl. 69—41.

Jones, Lester L., to Automatic Steam Products Corp. Liquid level control for boilers. 2,997,989, 8–29–61, Cl. 122—451.1.

Jones, Lewis: *See*—
Dixon, Reginald J., and Jones. 2,975,440.
Dixon, Reginald J., and Jones. 3,000,516.

Jones, Lloyd E., to Industrial Brush Co. Quick-change brush means. 2,970,333, 2–7–61, Cl. 15—183.

Jones, Lloyd E., to Texas Instruments Inc. Novel graphite articles and method of making. 2,992,127, 7–11–61, Cl. 117—21.

Jones, Lloyd E., to Industrial Brush Co. Brush construction of optimum working bristle length. 3,010,132, 11–28–61, Cl. 15—183.

Jones, Lloyd J. Slip-proof sleeve for a baseball bat handle. 2,984,486, 5–16–61, Cl. 273—72.

Jones, Loren F., to Radio Corp. of America. Portable disk-type magnetic recording apparatus. 2,975,238, 3–14–61, Cl. 179—100.2.

Jones, Loyd W., to Pan American Petroleum Corp. Composition and method for inhibiting scale. 2,970,959, 2–7–61, Cl. 252—8.55.

Jones, Loyd W., to Pan American Petroleum Corp. Method of inhibiting corrosion. 3,003,955, 10–10–61, Cl. 252—8.55.

Jones, Mack M., to International Harvester Co. Seal for rotatable type regenerator. 3,014,703, 12–26–61, Cl. 257—269.

Jones, Maldwyn E. Archery bow. 2,979,049, 4–11–61, Cl. 124—24.

Jones, Maldwyn E., to ACF Industries, Inc. Carburetor for internal combustion engines. 2,986,381, 5–30–61, Cl. 261—41.

Jones, Maldwyn E., to ACF Industries, Inc. Internal combustion engine and fuel system therefor. 2,987,303 6–6–61, Cl. 261—37.

Jones, Marvin R.: *See*—
Williams, Leonard E., Jones, and Pennington. 3,004,778.

Jones, Maurice H., to L. M. and L. Harvey, trading as The Harmac Co. Tying machines for packages and the like. 2,982,199, 5–2–61, Cl. 100—28.

Jones, Maurice H., to Power Strapping Systems Ltd. Tensioning tools. 3,013,589, 12–19–61, Cl. 140—123.6.

Jones, Melvin L., 87½% to S. F. and D. W. Triplett as joint tenants with right of survivorship. Thread holding and cutting device. 2,977,033, 3–28–61, Cl. 225—6.

Jones, Morton E., to Texas Instruments Inc. Method of making transistor having thin base region. 2,988,464, 6–18–61, Cl. 148—1.5.

Jones, Morton E., D. P. Miller, and E. C. Wurst, to Texas Instruments Inc. Contact for gallium arsenide. 3,012,175, 12–5–61, Cl. 317—237.

Jones, Norbie H. Trapped person signal. 3,000,095. 10–31–61, Cl. 40—128.

Jones, Oliver R. Fuel valve for carburetors. 2,975,798, 3–21–61, Cl. 137—445.

Jones, Otis V., Jr. Stock feeding apparatus. 3,010,605, 11–28–61, Cl. 221—81.

Jones, Paul R., to Collins Radio Co. Resilient lightweight electronic chassis and heat exchanger. 3,013,180, 12–12–61, Cl. 317—100.

Jones, Preston A., to said Jones and W. D. Runswick. Adjustable lamp socket for lighting fixture. 2,977,461, 3–28–61, Cl. 240—78.

Jones, R. A., and Co., Inc., The: *See*—
Jones, Wickliffe. 2,994,253.

Jones, Rene A., and L. Van Derlinden, to The Anaconda Co. Incorporating trace elements in superphosphate fertilizers. 3,010,818, 11–28–61, Cl. 71—37.

Jones, Rexford W., R. B. Reif, and L. E. Walkup, to Cutler-Hammer, Inc. Method and apparatus for control of misting. 3,011,435, 12–5–61, Cl. 101—350.

Jones, Richard H., to Burroughs Corp. Program selecting apparatus for an automatic machine. 2,981,467, 4–25–61, Cl. 235—60.47.

Jones, Richard H., and R. S. Bradshaw, to Burroughs Corp. Data storage and readout unit for accounting machines. 3,007,631, 11–7–61, Cl. 235—60.

Jones, Richard L.: *See*—
Brian, Robert C., Driver, Homer, and Jones. 2,972,528.

Jones, Richard O. Golf ball teeing machine. 3,003,770, 10–10–61, Cl. 273—201.

Jones, Richard V.: *See*—
Shockley, William, and Jones. 2,979,386.

Jones, Richard W., and L. V. Black, to Pittsburgh Plate Glass Co. Method and apparatus for bending glass. 2,967,378, 1–10–61, Cl. 49—7.

Jones, Robert C., to Bell Telephone Laboratories, Inc. Steering apparatus for torpedoes. 2,995,101, 8–8–61, Cl. 114—23.

Jones, Robert C., to Bell Telephone Laboratories, Inc. Torpedo steering system. 2,995,102, 8–8–61, Cl. 114—25.

Jones, Robert C., to Bell Telephone Laboratories, Inc. Torpedo steering system. 2,996,029, 8–15–61, Cl. 114—25.

Jones, Robert C., to United States of America, Navy. Air-backed thermistor bolometer. 2,986,034, 5–30–61, Cl. 73—355.

Jones, Robert E.: *See*—
Garber, John D., Gasser, and Jones. 2,989,546.
Garber, John D., Gasser, and Jones. 2,995,582.
Garber, John D., Jones, and Robinson. 3,014,927.
Reynolds, Harold C., Jones, and Garber. 3,014,926.

Jones, Robert E., to Rome Cable Corp. Construction of coil blocks. 2,971,721, 2–14–61, Cl. 242—110.2.

Jones, Robert E., and H. B. Lange, to Merck & Co., Inc. Purification of hydroxymethyl furfural. 2,994,645, 8–1–61, Cl. 202—52.

Jones, Robert E., and J. D. Garber, to Merck & Co., Inc. Derivatives of 5-hydroxymethyl furfural ethers and process of producing them. 2,995,581, 8–8–61, Cl. 260—347.4.

Jones, Robert H.: *See*—
McCann, Joseph A., and Jones. 2,996,662.

Jones, Robert J.: *See*—
Kircher, Charles E., Jr., and Jones. 2,979,375.
Kircher, Charles E., Jr., Jones, and Kirz. 3,004,013.

Jones, Rodney A., and H. R. Hazard, to United States of America, Air Force. Ceramic-lined pilots for turbo-jet combustors. 3,009,321, 11–21–61, Cl. 60—39.82.

Jones, Ronald: *See*—
Rubbra, Arthur A., and Jones. 2,980,395.

Jones, Rufus V.: *See*—
Scott, John N., Jr., and Jones. 2,973,241.

Jones, Rufus V., to Phillips Petroleum Co. Novel sulfur containing polymers and their preparation. 2,989,514, 6–20–61, Cl. 260—79.3.

Jones, Rufus V., and P. J. Canterino, to Phillips Petroleum Co. Method for production of soluble chlorinated polymers. 2,980,656, 4–18–61, Cl. 260—85.1.

Jones, Rufus V., and P. J. Canterino, to Phillips Petroleum Co. Polystyrene composition plasticized with pyrolyzed polyethylene and method of preparation. 2,994,679, 8–1–61, Cl. 260—33.6.

Jones, Sam A., to Consolidation Coal Co. Method and apparatus of calibrating a belt conveyer scale. 2,974,518, 3–14–61, Cl. 73—1.

Jones, Sam A., to Consolidation Coal Co. Screening method and apparatus therefor. 3,009,576, 11–21–61, Cl. 209—268.

Jones, Sam A., and J. P. Echtler, Jr. Flexible conduit valve. 2,972,464, 2–21–61, Cl. 251—5.

Jones, Sam P., to J & S Carburetor Co. Fuel gas mixers for internal combustion engines. 2,983,592, 5–9–61, Cl. 48—184.

Jones, Samuel F. Laundry basket holder. 2,968,462. 1–17–61, Cl. 248—293.

Jones, Samuel P.: *See*—
Burkhard, Charles A., and Jones. 3,013,444.

Jones, Spencer S. D., H. Gent, and A. A. L. Browne, to Minister of Supply. Electromagnetic wave lens and mirror systems. 2,986.734, 5–30–61, Cl. 343—754.

Jones, Stanley B., to California Research Corp. Method and apparatus for logging carbon. 3,015,030, 12–26–61, Cl. 250—83.3.

Jones, Stanley B., and R. J. S. Brown, to California Research Corp. Method and means for reducing inhomogeneities in nuclear magnetism well logging. 2,999,204, 9–5–61, Cl. 324—.5.

Jones, Theodore W.: *See*—
Smiley, Harry J., Batty, and Jones. 2,981,294.

Jones, Thomas M.: *See*—
Tarbutton, Grady, Farr, Jones, and Lewis. 2,981,597.
Tarbutton, Grady, Farr, Jones, and Lewis. 2,981,598.
Tarbutton, Grady, Jones, Driskell, and Smith. 2,984,545.

Jones, Valjean W.: *See*—
Powell, David D., and Jones. 3,012,457.

Jones, Vincent C., W. S. Huss, and A. S. Krueger, to American Can Co. Dispenser for toilet tissue rolls. 3,010,670, 11–28–61. Cl. 242—55.3.

Jones, W. Bartlett. Desk and the like with drawer. 3,008,787, 11–14–61, Cl. 312—301.

Jones, Walter. Air cooled rotor structure for dynamo electric machines. 2,977,489, 3–28–61, Cl. 310—61.

Jones, Weston C.: *See*—
Smith, Harry V., Grant, and Jones. 2,997,739.

Jones, Wickliffe, to The R. A. Jones and Co., Inc. High speed carton handling apparatus. 2,994,253, 8–1–61, Cl. 93—53.

Jones, Wilford D., to Celanese Corp. of America. Emulsion polymerization of vinyl acetate in the presence of additives. 3,010,929, 11–28–61, Cl. 260—29.6.

Jones, William C. Tissue contact electrode. 2,985,172, 5–23–61, Cl. 128—416.

Jones, William C., and W. A. Klein, to The Dow Chemical Co. Process and apparatus for upgrading thermoplastic film. 2,976,567, 3–28–61, Cl. 18—10.

Jones, William G. M.: *See*—
Birtwell, Stanley, Jones, and Maisey. 2,978,456.

Jones, William J., to Hiller Engineering Corp. Movable field sprinkler. 3,002,697, 10–3–61, Cl. 239—212.

Jones, William R., and G. Bergson; said Jones assor. to Manufacturers Engineering and Equipment Corp. Gas flow rate indicating and controlling system. 2,970,472, 2–7–61, Cl. 73—199.

Jones, William T., and T. L. Gray, Jr., to Texas Instruments Co. Clamping device for testing wave guides. 3,005,968, 10–24–61, Cl. 333—98.

Jongeneel, Albert M. Plant thinning machine. 3,000,450, 9–19–61, Cl. 172—94.

Jonke, Albert A.: *See*—
Lawroski, Stephen, Jonke, and Taecker. 2,981,592.
Loeding, John W., and Jonke. 2,977,194.

Jonke, Joseph L., to Fairchild Camera and Instrument Corp. Method of making wire-wound resistance elements. 2,986,805, 6–6–61, Cl. 29—155.62.

Jonker, Everhardus W.: *See*—
Houben, Gerardus M. M., and Jonker. 3,006,772.

Jonker, Gerard H.: *See*—
Gorter, Evert W., Jonker, Wijn, and Schulkes. 2,977,312.

Jonkers, Cornelius O., to North American Philips Co., Inc. Method of separating gaseous impurities from a gaseous mixture. 2,999,365, 9–12–61, Cl. 62—12.

Jonsson, Anders S., deceased; F. Belfrage, administrator; assor. to N. F. Rudebeck. Device for the discharge of grain or similar small-sized material. 3,003,667, 10–10–61, Cl. 222—199.

Jonsson, Arnold M.: *See*—
Karlsson, Marius, and Jonsson. 2,978,269.

Jonsson, Erik, to Svenska Ackumulator Aktiebolaget Jungner. Sealing assembly for batteries. 3,005,865, 10–24–61, Cl. 136—136.

Jonsson, Karl-Erik A. Device for propelling and stabilizing of boats. 2,996,034, 8–15–61, Cl. 115—4.

Jonsson, Olle S. Method of treating animal carcasses. 2,978,738, 4–11–61, Cl. 17—45.

Joor, William E., II: *See*—
Grant, James I., and Joor. 2,967,400.

Joor, William E., II. Variable volume storage tanks. 2,987,215, 6–6–61, Cl. 220—26.

Joormann, Hendrik J. M.: *See*—
Klasens, Hendrik A., van Santen, and Joormann. 2,999,941.

Jopp, Walter. Stapler. 2,973,519, 3–7–61, Cl. 1—3.

Jordan, Ben B.: *See*—
Hicks, William T., Jordan, and Ordecki. 2,984,212.

Jordan, Chalmer C.: *See*—
Cropp, David I., Jordan, and Lingo. 2,973,289.

Jordan, Charles E., to Jordan Controls, Inc. Control apparatus. 2,994,794, 8–1–61, Cl. 310—68.

Jordan, Claude W., to The United Gas Improvement Co. Apparatus for filtering gas. 2,980,204, 4–18–61, Cl. 183—45.

Jordan Controls, Inc.: *See*—
Jordan, Charles E. 2,994,794.

Jordan, Edmund F., Jr., W. S. Port, and D. Swern, to United States of America, Agriculture. Copolymers of vinyl alcohol and vinyl esters of long-chain fatty acids and processes for preparation thereof. 2,984,652, 5–16–61, Cl. 260—85.7.

Jordan, Edward C., H. D. Webb, and T. R. O'Meara, to United States of America, Navy. Radio direction finder. 2,994,081, 7–25–61, Cl. 343—113.

Jordan, Hans, to Given Machinery Co. Rotary grind table with trailing impellers having plural cutting edges. 2,980,348, 4–18–61, Cl. 241—46.

Jordan, Harold K., and J. B. Rawls, to Western Electric Co., Inc. Methods of and apparatus for packaging components. 3,007,291, 11–7–61, Cl. 53—3.

Jordan, Harold S., Jr., to United States of America, Navy. Parallelogram actuated variable area nozzle. 2,969,189, 1–24–61, Cl. 239—455.

Jordan, Homer G.: *See*—
Bryant, Herbert W., Jordan, and Porter. 2,972,021.
Hershey, Harold J., Jordan, and Restall. 2,988,661.

Jordan, James C., to Ford Motor Co. Ball joint. 2,976,068, 3–21–61, Cl. 287—90.

Jordan, James K., to Jersey Production Research Co. Oil storage. 3,003,322, 10–10–61, Cl. 61—.5.

Jordan, John L. Storage rack for control panels. 2,986,281, 5–30–61, Cl. 211—41.

Jordan, John M.: *See*—
Lovett, William E., Walker, and Jordan. 2,981,614.

Jordan, John M., to Esso Research and Engineering Co. Fuel delivery system for automotive vehicles. 2,969,110, 1–24–61, Cl. 158—36.4.

Jordan, John M., to Esso Research and Engineering Co. Vapor lock reduction device for automotive vehicles. 2,998,844, 9–5–61, Cl. 158—36.3.

Jordan, John M., and C. E. Hemminger, to Esso Research and Engineering Co. Minimizing weathering loss by propane-pentane priming of gasoline. 3,009,789, 11–21–61, Cl. 44—52.

Jordan, John P., 50% to Hyland Industries. Food holder and carving aid. 3,010,500, 11–28–61, Cl. 146—216.

Jordan, John W. Sliding connectors. 3,011,502, 12–5–61, Cl. 137—1.

Jordan, John W., R. E. Offeman, and D. J. Weintritt, to National Lead Co. Oil base drilling fluids. 2,995,514, 8–8–61, Cl. 252—8.5.

Jordan, Joseph R. Convertible snowplow and wheeled cart. 2,977,130, 3–28–61, Cl. 280—47.18.

Jordan, Merrill E., to Cabot Corp. Process and apparatus for producing after-treated carbon black. 2,982,621, 5–2–61, Cl. 23—209.8.

Jordan, Merrill E., to Cabot Corp. Process of manufacturing carbon black pellets for inks. 3,011,902, 12–5–61, Cl. 106—307.

Jordan, Merrill E., and F. R. Williams, to Cabot Corp. Production of high density polyethylene composition containing organic peroxide cross-linking agent. 3,014,885, 12–26–61, Cl. 260—41.

Jordan, Paul J.: *See*—
Grevich, John J., and Jordan. 3,001,457.

Jordan, Richard H., to Kingston Products Corp. Switch construction and mechanism therefor. 2,976,377, 3–21–61, Cl. 200—38.

Jordan, Robert A., to Sylvania Electric Products Inc. Phase trimmer for strip transmission line. 3,013,227, 12–12–61, Cl. 333—31.

Jordan, Robert H., to Morton Salt Co. Quick-dip indicator. 3,006,735, 10–31–61, Cl. 23—230.

Jordan, Rudolph B.: *See*—
Reid, Robert S., and Jordan. 2,971,790.

Jordan, Samuel A., Jr., and E. D. Robinson, to United States of America, Navy. Simulated missile homing system. 2,995,830, 8–15–61, Cl. 35—10.2.

Jordan, Terence B.: *See*—
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Jordan, Terence B., and J. P. Dilworth, to Texaco Inc. Extreme pressure steel mill lithium base grease containing sulfurized sperm oil and lead naphthenate. 3,003,962, 10–10–61, Cl. 252—36.

Jordan, Wesley A., and W. E. Skagerberg, to General Mills, Inc. Process for making dispersible vegetable gums. 2,970,063, 1–31–61, Cl. 106—208.

Jordan, Wesley A., to General Mills, Inc. Stabilized gums and methods of making them. 3,007,879, 11–7–61, Cl. 252—352.

Jordison, Fred, to The Birmingham Small Arms Co. Ltd. Means for sampling bulk material. 2,977,800, 4–4–61, Cl. 73—423.

Jorgensen, Adam A., to General Dynamics Corp. Analog to digital converter. 2,979,708, 4–11–61, Cl. 340—347.

Jorgensen, Clarence H., and W. T. Nickel, to General Motors Corp. Elliptic spring construction for speed switch. 2,991,655, 7–11–61, Cl. 73—359.

Jorgensen, Edward C. Distributor box bar assembly. 2,975,886, 3–21–61, Cl. 199—37.

Jorgensen, Emanuel. Float actuated valves. 3,011,719, 12–5–61, Cl. 236—59.

Jorgensen, Eugene C., to The Regents of the University of California. Thyromimetic amino acids. 3,010,993, 11–28–61, Cl. 260—519.

Jorgensen, Gulow K.: *See*—
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Jorgensen, Karl A.: *See*—
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Jorgensen, Lester V., to The Chemstrand Corp. Staple fiber cutter with means to vary lengths of fibers. 2,982,163, 5–2–61, Cl. 83—420.

Jorgensen, Otto A., to General Dynamics Corp. Parametrically-excited resonators. 3,003,068, 10–3–61, Cl. 307—88.

Jorgenson, Ralph J., and F. A. Grant, to Pacific Coast Foil Co. Flexible cover applicator. 2,975,574, 3–21–61, Cl. 53—287.

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Jorgensen, Rolf, to A/S Ardal OG Sunndal Verk. Process for adjoining continuous electrodes. 3,014,119, 12–19–61, Cl. 219—85.

Joris, George G., to Allied Chemical Corp. Conversion of nitrocyclohexane to N-cyclohexylhydroxylamine. 2,969,393, 1–24–61, Cl. 260—563.

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Jorpes, Johan E., and V. Mutt. Process for the production of gastrointestinal hormones and hormone concentrate. 3,013,944, 12–19–61, Cl. 167—74.

Joschko, Raymond C., to Vendomatic Sales, Inc. Apparatus for mixing powdered base and liquid to produce a beverage. 3,013,701, 12–19–61, Cl. 222—227.

Jose, Robert S., and F. E. Talmage, to Radio Corp. of America. Frequency control system for FM transmitter. 2,986,631, 5–30–61, Cl. 250—17.
Josendal, Virgil A., and R. J. Stegemeier, to Union Oil Co. of California. Groundwater direction determination. 2,986,639, 5–30–61, Cl. 250—83.6.
Joseph, Alphonse, to James Whitson and Co. Ltd. Apparatus for generating foam for use in fire fighting. 2,990,165, 6–27–61, Cl. 261—25.
Joseph, Francis M., and E. R. Herrmann, to Breeze Corps., Inc. Limit control mechanism. 2,973,412, 2–28–61, Cl 200—47.
Joseph, Louis. Two piece clamp. 3,014,259, 12–26–61, Cl. 24—284.
Joseph Machine Co., Inc.: *See*—
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Joseph, Maurice J., W. L. Cox, and C. F. Klein, to The Lord Baltimore Press, Inc. Carton. 2,970,743, 2–7–61, Cl. 229—51.
Joseph, Nicole M.: *See*—
Jacob, Robert M., and Joseph. 2,976,291.
Joseph, Robert T., and J. B. Maguire, to Allied Chemical Corp. Production of chemical products from coal products. 2,977,299, 3–28–61, Cl. 208—8.
Joseph, Walter F. Transistorized power supplies. 2,978,627, 4–4–61, Cl. 321—8.
Josephs, Albert. Portable power saw guide attachment. 3,009,491, 11–21–61, Cl. 143—47.
Josephs, Melvin J., to The Dow Chemical Co. Method of inhibiting plant growth. 2,981,619, 4–25–61, Cl. 71—2.3.
Josephs, Melvin J., to The Dow Chemical Co. Control of aquatic plants. 2,997,380, 8–22–61, Cl. 71—2.3.
Josephs, Melvin J., to The Dow Chemical Co. Control of aquatic plants. 3,004,843, 10–17–61, Cl. 71—2.3.
Josephs, Melvin J., to The Dow Chemical Co. Control of aquatic plants. 3,007,788, 11–7–61, Cl. 71—2.3.
Josephson, Bengt A. S. Ultrashortwave antenna. 2,994,876, 8–1–61, Cl. 343—803.
Josephson, Robert H.: *See*—
Hufferd, George H., Vail, and Josephson. 3,009,975.
Josephson, Vernal: *See*—
Little, Edward M., Thompson, Josephson, and Franklin. 2,997,436.
Joslin, Charles D. Universal mounting for a cutting torch. 3,013,787, 12–19–61, Cl. 266—23.
Joslyn, Carl R., to The Bendix Corp. Electric resistor device. 3,013,239, 12–12–61, Cl. 338—317.
Joslyn Mfg. & Supply Co.: *See*—
Boughton, Roger C. 2,969,995.
Boughton, Roger C. 2,984,504.
Smalley, Burton M. 2,970,800.
Yonkers, Edward H. 2,987,642.
Joslyn, Walter B., and J. F. Williams. Coating applying machine. 2,974,873, 3–14–61, Cl. 239—121.
Jost, Walter. Trace element fertilizers. 2,983,594, 5–9–61, Cl. 71—1.
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Gay, Jacob D., Jr., and Joswig. 3,000,531.
Joublanc, Joseph C., to McGraw-Edison Co. Overload indicator for electrical apparatus. 3,012,236, 12–5–61, Cl. 340—248.
Jouin, Germain L., to The Hobart Mfg. Co. Vegetable sorter. 3,011,635, 12–5–61, Cl. 209—107.
Jouin, Jacques: *See*—
Hainzelin, Jean, Jouin, and Prevost. 3,012,791.
Joukainen, Arnold S., and J. E. Povelones, to E. I. du Pont de Nemours and Co. Variable back pressure regulator. 2,972,359, 2–21–61, Cl. 138—46.
Jourdain, André P., to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme. Expansible mandrel for sinking or driving pipes into the ground. 3,006,151, 10–31–61, Cl. 61—53.72.
Jourdan Concrete Pipe Co.: *See*—
Martin, Howard W., and Gardner. 2,987,793.
Jouse, Curtis C.: *See*—
Whitlock, Robert A., and Jouse. 2,991,793.
Jovis, Arthur. Machine for tearing muffins. 2,979,095, 4–11–61, Cl. 146—72.
Jowsey, Fred H.: *See*—
Weston, David. 3,008,656.
Joy, Ivan L. Coupling method and apparatus for ultrasonic testing of solid bodies. 2,992,553, 7–18–61, Cl. 73—67.8.
Joy, Joseph F., to Joy Mfg. Co. Crawler mounted loop miner. 2,978,236, 4–4–61, Cl. 262—9.
Joy, Joseph F., to Joy Mfg. Co. Mining apparatus having core forming and core bursting means. 2,995,352, 8–8–61, Cl. 262—5.
Joy Mfg. Co.: *See*—
Ball, Charles F. 3,013,783.
Beagan, Michael A., Jr. 2,975,993.
Boullié, Joseph R. 3,002,732.
Calder, Alexander W. 3,006,488.
Cameron, Ronald. 3,001,777.
Cowman, David M. 2,978,043.
Curtis, John C. 2,976,943.
Densmore, Neal W. 2,973,949.
Densmore, Neal W. 2,986,384.
Densmore, Neal W. 2,986,385.
Densmore, Neal W. 3,000,620.
Exley, Vern R., and Hopkins. 3,007,537.
Goodrich, Ross H. 2,980,409.
Goodrich, Ross H. 2,981,403.
Joy Mfg. Co.: *See*—Continued
Goodrich, Ross H., and Baldwin. 2,985,250.
Green, Willard E., and Stark. 2,977,039.
Handy, Carleton T., and Joyce. 3,004,960.
Hoover, Merle L., and Woolf. 2,970,664.
Johnson, Glenn D., and Lindgren. 2,998,084.
Johnson, Paul R. 3,008,592.
Joy, Joseph F. 2,978,236.
Joy, Joseph F. 2,995,352.
Murphy, Donald D. 2,976,982.
Osgood, Charles F. 3,013,784.
Paget, Win W. 3,002,560.
Russell, John D. 2,990,167.
Russell, John D. 2,993,685.
Snyder, Lenard D., and Throne. 2,979,926.
Stevens, Norbart J., Parker, and Yousch. 2,983,235.
Wagner, John H. 2,999,554.
Wyman, Robert A. 2,969,853.
Zech, William A., and Krouse. 3,012,308.
Joy, Robert W., to ACF Industries Inc. Hopper discharge control device and method of assembling the same. 2,989,931, 6–27–61, Cl. 105—282.
Joyce, Asa W., to American Cyanamid Co. Vat dyes of anthraquinone-bis-triazole series. 2,967,867, 1–10–61, Cl. 260—308.
Joyce, Blaine R., to Union Carbide Corp. Dust-free activated carbon articles. 2,991,201, 7–4–61, Cl. 117—169.
Joyce, Cecil R., to Burroughs Corp. Method and apparatus for the fabrication of electrostatic recording heads. 2,974,368, 3–14–61, Cl. 18—36.
Joyce-Cridland Co., The: *See*—
Hott, Ion V. K. 2,974,490.
Joyce, Francis J., to National Bulk Carriers, Inc. Vessel for carrying liquid or bulk cargoes. 2,969,083, 1–24–61, Cl. 137—269.
Joyce, James E. Bins. 2,974,808, 3–14–61, Cl. 211—126.
Joyce, Maurice W. Rotary file. 2,999,502, 9–12–61, Cl. 129—16.
Joyce, Ronald S., to Nalco Chemical Co. Cleaning compositions and methods. 2,995,522, 8–8–61, Cl. 252—105.
Joyner, Frederick B.: *See*—
Coover, Harry W., Jr., and Joyner. 2,967,856.
Coover, Harry W., Jr., and Joyner. 2,969,345.
Coover, Harry W., Jr., and Joyner. 2,969,346.
Coover, Harry W., Jr., and Joyner. 2,973,348.
Joyner, Frederick B., and H. W. Coover, Jr., to Eastman Kodak Co. Homogeneous mixtures comprising polyesters and polymeric acrylamides and process for preparing same. 2,996,475, 8–15–61, Cl. 260—45.4.
Joyner, John M.: *See*—
Smith, George W., Comes, and Joyner. 2,985,909.
Jucknless, Paul R., to The Dow Chemical Co. Preparation of boron trichloride. 3,000,705, 9–16–61, Cl. 23—205.
Juculano, Theodore C., to Marvel Equipment Corp. Releasable metal scaffolding connector. Re. 25,053, 10–17–61, Cl. 287—53.5.
Judd, Claude I., A. E. Drukker, and J. H. Biel, to Lakeside Laboratories, Inc. 5-heterocyclic-5H-dibenzo [a,d] cycloheptenes. 2,985,660, 5–23–61, Cl. 260—293.
Judd, Gerard F., to Callery Chemical Co. Method for preparation of decaborane. 2,968,534, 1–17–61, Cl. 23—204.
Judd, Joseph H.: *See*—
Leiss, Abraham, Judd, and Freeman. 3,001,395.
Judd, Sebastian F. Guideway constructions for baling presses. 3,003,411, 10–10–61, Cl. 100—98.
Jude, George F.: *See*—
Miller, Harry, and Jude. 3,007,656.
Jude, George F., and H. Miller, to Sperry Rand Corp. Aircraft automatic pilot. 2,998,946, 9–5–61, Cl. 244—77.
Judelshon, Oscar I., Inc.: *See*—
Judelson, David N. 2,977,128.
Judelson, David N. 2,984,496.
Judelson, David N. 3,013,513.
Judelson, David N., to Oscar I. Judelshon, Inc. Chuck for rotary knife cutting machine. 2,977,128, 3–28–61, Cl. 279—110.
Judelson, David N., to Oscar I. Judelshon, Inc. Chuck with gripping and penetrating elements. 2,984,496, 5–16–61, Cl. 279—110.
Judelson, David N. Control apparatus for bias-cutting machine. 2,985,944, 5–30–61, Cl. 29—2.2.
Judelson, David N., to Oscar I. Judelshon, Inc. Edge registry mechanism. 3,013,513, 12–19–61, Cl. 112—203.
Judet, Henri, to Société d'Applications Générales d'Electricité et de Mécanique SAGEM. Stitching apparatus and particularly sewing machines. 2,981,214, 4–25–61, Cl. 112—58.
Judge, Alan A. V.: *See*—
Gadd, Ronald O. C., and Judge. 3,009,616.
Judge, Edward E., Jr.: *See*—
Stolk, William, and Judge. 2,992,580.
Judge, Thomas J., and P. H. Swane, to General Railway Signal Co. Control circuit for a field start relay in a code type communication system. 2,976,402, 3–21–61, Cl. 246—5.
Judge, William Q., and F. L. Rusnock, to Aluminum Co. of America. Apparatus for treating molten light metal. 3,010,712, 11–28–61, Cl. 266—34.
Judkins, John R., to United States of America, Navy. Temperature compensated voltage comparison circuit. 3,005,918, 10–24–61, Cl. 307—88.5.
Judkins, Odus O. Lawn cleaner. 2,984,961, 5–23–61, Cl. 56—27.

Judkins, Reed B. Support apparatus for drapery materials. 2,989,120, 6–20–61, Cl. 160—19.

Judson, George B.: *See*—
Wirth, Hans A., Briggs, Kittle, and Judson. 2,992,783.

Judy, Robert V., to International Telephone and Telegraph Corp. Telephone answering service system. 2,971,061, 2–7–61, Cl. 179—27.

Juenke, Vern S. Ball planetary drive unit. 3,001,420, 9–26–61, Cl. 74—798.

Jugen, Michael R., to Rockwell-Standard Corp. Hydraulic torque converter with compact reactor brake and pump gear assembly. 3,005,312, 10–24–61, Cl. 60—54.

Jugle, Leonard L., to Reliable Electric Co. Ball connection for wire supporting devices. 2,986,418, 5–30–61, Cl. 287—83.

Jugle, Leonard L., to Reliable Electric Co. Spider for line tap. 2,993,083, 7–18–61, Cl. 174—71.

Juhas, Michael, to General Time Corp. Drive mechanism for time recorders. 2,987,929, 6–13–61, Cl. 74—40.

Julifs, Albert G., to Senco Products, Inc. Portable stapler with pneumatic drive and return. 2,983,922, 5–16–61, Cl. 1—44.4.

Juin, Guy M., to E. P. Remy et Cie. Method of and means for filling and closing bottles and other containers under aseptic conditions. 2,972,214, 2–21–61, Cl. 53—37.

Julbert, William W.: *See*—
Scheitlin, George E., and Julbert. 2,995,982.

Julesz, Bela, to Bell Telephone Laboratories, Inc. Economy in television transmission. 2,974,195, 3–7–61, Cl. 178—43.5.

Julian, Frank M., and H. T. Siefen, to E. I. du Pont de Nemours and Co. Production of para-chlorophenyl carbamyl chloride. 2,974,163, 3–7–61, Cl. 260—544.

Julian, James. Device for grading in setting forms. 3,004,355, 10–17–61, Cl. 37—145.

Julian Laboratories, Inc., The: *See*—
Georgian, Vlasios, and Magnani. 3,013,026.

Julian, Lawrence E.: *See*—
Moore, Kenneth R., Hexamer, Julian, Whiteman, and Schelton. 3,010,042.

Julian, Lawrence E., to General Motors Corp. Slip ring assembly. 2,985,781, 5–23–61, Cl. 310—232.

Julian, Percy L., H. T. Iveson, S. B. Rodlove, R. Slutkin, and P. F. Davis, to The Glidden Co. Shortening composition and emulsifier system therefor. 3,004,853, 10–17–61, Cl. 99—123.

Julian, Sanford, ⅔ to E. J. Goldberg, and M. W. Suffern. Hair styling devices. 3,001,530, 9–26–61, Cl. 132—33.

Julie, Loebe. Infinite resolution potentiometer. 3,008,111, 11–7–61, Cl. 338—202.

Julich, Edward M.: *See*—
Atwater, Arthur R., and Julich. 2,978,390.

Jullie, Joseph T., to Strutwear, Inc. Tack-producing attachment for buttonhole machines. 2,985,123, 5–23–61, Cl. 112—67.

Jullien, Agricol, to Sallcam, Compagnie Salliniere de la Camargue. Wharf and berthing system. 3,005,437, 10–24–61, Cl. 114—231.

Jumelle, Louis F., M. A.-J. Morel, P. J. Legrand, and K. A. W. Eichholtz, to Societe Nationale de'etude et de Construction de Moteurs d'aviation. Suspension device for jet propulsion units. 3,006,587, 10–31–61, Cl. 248—5.

Jump, William L. Collapsible sign standard. 3,007,269, 11–7–61, Cl. 40—125.

Junck, John A., and J. E. Scheidt, to Caterpillar Tractor Co. Hydraulic control valve throttling mechanism. 2,971,536, 2–14–61, Cl. 137—622.

Juneau, Paul W., Jr., to General Electric Co. Cross-linked polymeric material and method of making the same. 2,996,476, 8–15–61, Cl. 260—45.4.

Jung, Erland V., to Aktiebolaget Landsverk. Screw press. 3,002,446, 10–3–61, Cl. 100—145.

Jung, Erland V., to Aktiebolaget Landsverk. Method and means for pressing liquid out of vegetable substances. 3,009,412, 11–21–61, Cl. 100—148.

Jung, Jean-Pierre: *See*—
Keller, Ernst, Hindermann, and Jung. 3,002,964.
Schwander, Hans R., Jung, and Hindermann. 2,975,167.

Jung, Johannes. Centrifugal-type pulp separator. 2,974,796, 3–14–61, Cl. 209—284.

Jung, Werner. Control arrangement for the stereo head of a tape recorder. 2,990,455, 6–27–61, Cl. 179—100.1.

Jungclas, Elmer E., Jr.: *See*—
Armstrong, Philip N., Jungclas, and Wolfe, Jr. 2,984,822.
Armstrong, Philip N., Jungclas, and Wolfe, Jr. 2,984,824.

Junge, Albert E.: *See*—
Hoyet, Eugene, and Junge. 2,997,816.

Jungeling, Friedhelm G., C. de Boer, and M. J. Salters, to Staatsbedrijf Artillerie-Inrichtingen. Rotatable tool-holder or work-holder for a machine-tool. 2,995,958, 8–15–61, Cl. 74—813.

Junger, Miguel C.: *See*—
Smith, Preston W., Jr., and Junger. 2,998,723.

Junghanns, Ernst: *See*—
Rehn, Karl, Junghanns, Sommer, and Bestian. 3,006,907.
Seydel, Gerhard, Beermann, Junghanns, and Bahr. 2,984,658.

Junghanns, Paul, to Firma Wilh. Engstfeld. Snap-fastener. 2,993,714, 7–25–61, Cl. 287—53.

Junghans, Helmut, and P. Kaiser. Shell fuze. 2,967,483, 1–10–61, Cl. 102—71.

Junghans, Helmut, and P. Kaiser. Mechanical fuze. 2,988,996, 6–20–61, Cl. 102—78.

Junghans, Helmut, and P. Kaiser. Percussion fuses for unrotated projectiles. 2,989,924, 6–27–61, Cl. 102—78.

Jungjohann, Vernon H.: *See*—
Robinson, Herbert T., Jungjohann, and Ewald. 2,969,711.
Robinson, Herbert T., Jungjohann, and Ewald. 3,014,297.

Junk, Norman M.: *See*—
Lawrence, Joseph W., and Junk. 2,969,354.
Lawrence, Joseph W., and Junk. 3,012,851.

Junkins, Raymond D., to Bailey Meter Co. Control systems. 3,008,889, 11–14–61, Cl. 204—193.2.

Junkmann, Karl, J. Kathol, and H. Richter, to Schering A.G. Injectable hormone preparations. 2,987,440, 6–6–61, Cl. 167—65.

Juodikis, Peter, to Precision Scientific Co. Graduate for automatic distillation apparatus. 2,986,039, 5–30–61, Cl. 73—427.

Jupa, Edward C., to United States of America, Air Force. Hydraulic servo valve. 2,973,746, 3–7–61, Cl. 121—46.5.

Juptner, Wilhelm, to C. P. Clare & Co. Relay. 2,975,252, 3–14–61, Cl. 200—93.

Jura Elektroapparate-Fabriken L. Henzirohs A.G.: *See*—
Henzirohs, Leo. 2,971,550.
Henzirohs, Leo. 2,971,649.

Juraschek, Richard J.: *See*—
Kannegiesser, Herbert K., and Juraschek. 3,013,705.

Jurechko, John. Drive-in pallet rack. 2,968,409, 1–17–61, Cl. 211—134.

Jurenz, Rolf: *See*—
Bohm, Siegfried, Skolaude, Jurenz, and Jehmlich. 2,988,973.

Jurenz, Rolf, to VEB Kamera-und Kinowerke Dresden. Viewfinder. 2,992,599, 7–18–61, Cl. 95—10.

Jurgeleit, Wolfgang, to Vereinigte Glanzstoff-Fabriken, A.G. Process for preshrinking highly oriented, low-pressure polyolefine filaments with chemical shrinking agents. 2,973,242, 2–28–61, Cl. 8—130.1.

Jurgeleit, Wolfgang, to Vereinigte Glanzstoff-Fabriken A.G. Dyestuffs for polyolefins and polyvinylidene chloride. 2,989,358, 6–20–61, Cl. 8—41.

Jurgens, Henry A.: *See*—
Johnson, Reynold B., Moneagle, Koranye, Jurgens, and Prater. 2,983,445.

Jurgensen, Fred: *See*—
Endress, James W., and Jurgensen. 3,013,404.

Juris, Mitchell A., to Amphenol-Borg Electronics Corp. Electrical connectors. 3,015,083, 12–26–61, Cl. 339—176.

Jurs, Peter C., and J. P. Van Overveen, to Shand and Jurs Co. Relief valve. 2,971,531, 2–14–61, Cl. 137—493.9.

Jursich, Myron J., to Nalco Chemical Co. Process and compositions for inhibiting and preventing the foaming of aqueous systems. 3,004,923, 10–17–61, Cl. 252—321.

Just, Alex, P. A. Maximoff, and H. B. Kalmar, to Malco Mfg. Co. Self locking terminal. 2,995,617, 8–8–61, Cl. 174—153.

Just, George E.: *See*—
Garmaise, David L., Just, and McKay. 2,972,627.

Justi, H. D., & Son, Inc.: *See*—
Erickson, Wallace A., and Cornell. 3,005,801.
Tucker, John L. 3,012,287.

Justice Co., The: *See*—
Justice, Donald S. 3,013,407.

Justice, Donald S., to The Justice Co. Rotating cooling apparatus. 3,013,407, 12–19–61, Cl. 62—499.

Justice, George E., to Houston Oil Field Material Co., Inc. Grapple-type overshot. 2,970,859, 2–7–61, Cl. 294—102.

Justice, Harold D., to Collins Radio Co. Inflatable antenna. 2,977,596, 3–28–61, Cl. 343—872.

Justice, John L., and C. M. Rosser, to American Viscose Corp. Composite heat-sealable wrapping material. 2,999,782, 9–12–61, Cl. 154—136.

Justin, Walter: *See*—
Moser, Frank T. 2,978,996.

Justus, Edgar J.: *See*—
Daane, Robert A., and Justus. 2,993,282.
Hornbostel, Lloyd, Beachler, and Justus. 2,992,681.
Hornbostel, Lloyd, Beachler, and Justus. 2,992,965.

Justus, Edgar J., to Beloit Iron Works. Method and apparatus for reducing power required by moving suction box cover. 2,981,328, 4–25–61, Cl. 162—367.

Justus, Edgar J., to Beloit Iron Works. Fluid floated belt for suction boxes. 2,981,329, 4–25–61, Cl. 162—367.

Justus, Edgar J., to Beloit Iron Works. Paper machine suction box control. 3,005,490, 10–24–61, Cl. 162—252.

Justus, Edgar J., to Beloit Iron Works. Trailing edge seal for moving suction belt apparatus. 3,013,605, 12–19–61, Cl. 162—349.

Justus, Edgar J., and G. W. Karr, to Beloit Iron Works. Automatic roll winder. 2,970,786, 2–7–61, Cl. 242—64.

Justus, Edgar J., and E. D. Beachler, to Beloit Iron Works. Plain press with suction felt drying means. 3,013,938, 12–19–61, Cl. 162—199.

Jutras, William J., Jr.: *See*—
Gagliardi, Domenick D., and Jutras. 2,985,541.

Juvinall, James W., to Ransburg Electro-Coating Corp. Electrostatic spray coating system. 2,996,042, 8–15–61, Cl. 118—624.

Juvinall, James W., to Ransburg Electro-Coating Corp. Apparatus for electrostatically spray coating. 3,009,441, 11–21–61, Cl. 118—624.

Juvinall, James W., to Ransburg Electro-Coating Corp. Electrostatic spray device and coating system. 3,009,442, 11–21–61, Cl. 118—626.

K.D. Mfg. Co.: *See*—
Kulp, Harry W. 3,010,346.
Madeira, William T. 3,014,610.

K-G Electronics Corp.: *See*—
Leonardo, Stephen V. 2,982,591.

K & H Equipment Ltd.: *See*—
Hutter, James F., and Kelly. 3,011,634.

K-Lath Corp.: *See*—
Stone, Floyd B. 2,987,081.

KSM Products, Inc.: *See*—
Darlington, Oscar H., Jr. 8,010,011.

KVP Sutherland Paper Co.: *See*—
Buttery, Kenneth T. 3,002,667.
Buttery, Kenneth T., and Vander Lugt. 2,980,316.
Coe, Merrill J. 2,991,910.
Coe, Merrill J. 3,005,584.
Galbraith, Martin J., and Burbank. 2,983,139.
Vander Lugt, Thomas, Jr. 2,983,368.
Vander Lugt, Thomas, Jr. 3,010,036.

Käärik, Kaljo: *See*—
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Kaarlela, William T., to General Dynamics Corp. Composition monitor for gaseous materials. 3,009,785, 11–21–61, Cl. 23—254.

Kaasa, Robert A., to Geophysical Specialties Co. Apparatus for measuring the time between seismic events with a counter. 2,980,884, 4–18–61, Cl. 340—15.

Kaatz, Herbert W., to The American Crucible Products Co. Pump control. 2,969,740, 1–31–61, Cl. 103—25.

Kabaci, John. Coffee can opener. 2,973,115, 2–28–61, Cl. 220—52.

Kábel-es Muanyaggyár: *See*—
Csordás, István, Lanyi, Veress, and Vissy. 2,982,614.

Kabelitz, Hans, to Gebrüder Sucker G.m.b.H. Regulation of nipping pressure of pressure rollers in impregnating machines. 2,992,626, 7–18–61, Cl. 118—11.

Kabik, Irving, and E. L. Cecil, Jr., to United States of America, Navy. Impact responsive electric primer. 2,972,306, 2–21–61, Cl. 102—70.2.

Käbisch, Gerhard: *See*—
Richater, Ekkehard, Gross, and Käbisch. 2,990,251.

Käbisch, Gerhard, E. Richter, and A. Gross, to Food Machinery and Chemical Corp. Process for preparation of hydrogen peroxide. 2,975,033, 3–14–61, Cl. 23—207.

Käbisch, Gerhard, A. Gross, and H. Brünner, to Food Machinery and Chemical Corp. Method of extracting solids-free liquid reaction products from a reaction area containing therein dispersed solid catalytic material. 2,990,238, 6–27–61, Cl. 23—1.

Kabrick, Wallace J., and J. K. Birch, to Gates Radio Co. Programming apparatus. 2,995,630, 8–8–61, Cl. 179—100.1.

Kabushiki Kaisha Aires Shashinki Seisakusho: *See*—
Kodera, Keiji. 3,006,264.

Kabushiki-Kaisha Koden Seisakusha: *See*—
Tanaka, Isokazu, Kawamoto, and Izawa. 3,003,148.

Kabushiki Kaisha Konan Kamera Kenkyu-Jo: *See*—
Takahama, Sho. 3,009,406.
Takahama, Sho. 3,011,418.
Takahama, Sho. 3,011,419.
Takahama, Sho. 3,012,490.

Kabushiki Kaisha Koparu Koki Seisakusho (known as Copal Koki Co., Ltd.): *See*—
Ieda, Tokutaro, Kojima, and Yokota. 3,008,395.

Kabushiki-Kaisha Sankyo Seiki Seisakusho: *See*—
Banno, Toshiaki. 2,976,765.

Kabushiki Kaisha Sekonic: *See*—
Kawa, Junnosuke, Akioka, Kaneko, and Tatematsu. 2,994,246.

Kabushiki Kaishi Tohoku Kosakusho: *See*—
Yamano, Hideo. 2,999,472.

Kachele, Wilhelm. Process and apparatus for coating glass articles or the like by means of dipping. 2,981,639, 4–25–61, Cl. 117—113.

Kachergis, Henry J., to Otto Bernz Co., Inc. Lawn sprinklers. 2,973,149, 2–28–61, Cl. 239—273.

Kachergis, Henry J., to Scovill Mfg. Co. Adjustable nozzle tips for sprinklers. 2,998,197, 8–29–61, Cl. 239—258.

Kachuk, Paul T.: *See*—
Wright, George W., Foss, and Kachuk. 2,975,765.

Kacowski, Raimund. Mirror. 3,006,252, 10–31–61, Cl. 88—85.

Kaczmarski, Leonard M., to Link-Belt Co. Drive for rotary drums. 2,999,396, 9–12–61, Cl. 74—244.

Kadelburg, Kurt, to International Rectifier Corp. Air-cooled rectifier assembly. 2,994,017, 7–25–61, Cl. 317—234.

Kaden, Willy, to Agfa Aktiengesellschaft. Camera capable of being set for different types of operation. 3,005,392, 10–24–61, Cl. 95—11.5.

Kadisch, Gerhard E., and A. Jakubczak. Manufacture of sintered vitreous silica. 2,973,278, 2–28–61, Cl. 106—69.

Kaechele, William H.: *See*—
Daley, Henry F., and Kaechele. Re. 25,065.

Kaeding, Warren W., to The Dow Chemical Co. Schiff base carbamates. 2,984,682, 5–16–61, Cl. 260—479.

Kaeding, Warren W., to The Dow Chemical Co. Nitrosaminophenyl methylcarbamates. 2,997,499, 8–22–61, Cl. 260—479.

Kaeding, Warren W., to The Dow Chemical Co. 5-quinolyl methylcarbamate. 3,005,823, 10–24–61, Cl. 260—287.

Kaeding, Warren W., to The Dow Chemical Co. Azobenzene esters. 3,009,909, 11–21–61, Cl. 260—207.

Kaeding, Warren W., to The Dow Chemical Co. Dialkylaminoindanyl methylcarbamate. 3,012,067, 12–5–61, Cl. 260—479.

Kaegebein, Carl F. Hen house flooring. 2,973,741, 3–7–61, Cl. 119—22.

Kaegebein, Carl F. Egg handling device. 2,973,742, 3–7–61, Cl. 119—48.

Kaehni, Frank J., to Economy Engine Co. Ignition systems for multi-cylinder engines. 2,968,296, 1–17–61, Cl. 123—117.

Kaes, William J.: *See*—
Himmelfarb, David, and Kaes. 2,971,321.

Kaestner, Paul T., and R. H. Wight, to J. W. Fecker, Inc. Follow-up or motion duplicating systems. 2,992,834, 7–11–61, Cl. 250—201.

Kafka, Bedrich, to Meopta Prerov, narodni podnik. Photoelectric exposimeter for photographic or moving-picture pick-up camera. 3,000,283, 9–19–61, Cl. 95—10.

Kafka, Wilhelm, G. Sichling, and M. Tschermak, to Siemens-Schuckertwerke Aktiengesellschaft. Electric power translating apparatus for speed control of alternating current motors. 2,977,518, 3–28–61, Cl. 318—138.

Kagan, Fred: *See*—
Birkenmeyer, Robert D., Lednicer, Kagan, and Magerlein. 3,000,910.
Magerlein, Barney J., and Kagan. 2,993,067.

Kagan, Fred, and R. D. Birkenmeyer, to The Upjohn Co. Hydroxylactone phosphites. 2,995,576, 8–8–61, Cl. 260—343.6.

Kagan, Herman: *See*—
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Kagan, Sholly: *See*—
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Kahl, Maurice I., to Sylvania Electric Products Inc. Electron discharge device. 2,978,606, 4–4–61, Cl. 313—270.

Kahle, Hermann A., to Jack & Heintz, Inc. Alternating current generator systems. 2,972,058, 2–14–61, Cl. 307—57.

Kahler, Harry L., and C. B. George, to Betz Laboratories, Inc. Inhibiting corrosion in water systems with phosphate-chromate-EDTA compositions. 2,999,732, 9–12–61, Cl. 21—2.7.

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Kahn, David, deceased (by J. M. and S. Kahn, and H. Yager, executors), and K. Weisser, deceased, (by H. E. Weisser, executrix), to David Kahn, Inc. Production of writing tips. 2,969,030, 1–24–61, Cl. 113—32.

Kahn, David, and K. Weisser, deceased (by H. E. Weisser, executrix), to David Kahn, Inc. Writing instruments. 3,008,453, 11–14–61, Cl. 120—42.4.

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Kahn, Henry, W. J. Kroeger, and W. Dittrich, to United States of America, Army. High velocity multi-stage guns. 3,013,472, 12–19–61, Cl. 89—1.7.

Kahn, Julius M.: *See*—
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Kahn, Lawrence P., to Midland-Ross Corp. Multiple zone furnace control system. 2,998,195, 8–29–61, Cl. 236—15.

Kahn, Leonard R. Automatic frequency control system suitable for single-sideband receivers, frequency modulation transmitters and the like. 2,976,411, 3–21–61, Cl. 250—20.

Kahn, Leonard R. Compatible single sideband radio transmission system. 2,989,707, 6–20–61, Cl. 332—45.

Kahn, Leonard R. Frequency translating circuitry. 2,992,326, 7–11–61, Cl. 250—6.

Kahn, Leonard R. Frequency modifying apparatus. 3,012,209, 12–5–61, Cl. 332—37.

Kahn, Louis S.: *See*—
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Kahn, Manfred, and G. F. Cooper, to Sprague Electric Co. Voltage dependent ceramic capacitor. 3,002,137, 9–26–61, Cl. 317—261.

Kahn, Martin S., to David Kahn, Inc. Display device. 2,985,296, 5–23–61, Cl. 206—78.

Kahn, Marvin M., to The Acme-Hamilton Mfg. Corp. Reinforced flexible hose. 2,968,321, 1-17-61, Cl. 138—56.

Kahn, Morris. Combination lock. 2,985,005, 5-23-61, Cl. 70—25.

Kahn, Robert P., and T. C. Allen, Jr. Process of inhibiting plant viruses. 2,992,159, 7-11-61, Cl. 167—30.

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Kahn, Walter K., to Polytechnic Institute of Brooklyn. Mode coupler for circular waveguides. 3,002,163, 9-26-61, Cl. 333—21.

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Kahrs, Karl-Heinz: *See*—
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Foster, Thomas W. F., and Stephens. 2,987,391.
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Kaiser, Carl, and C. L. Zirkle, to Smith, Kline & French Laboratories. Condensed cyclopropyl amine derivatives. 3,010,972, 11-28-61, Cl. 260—330.5.

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Kaiser, Emil, to Armour and Co. Substituted hydantoic acid resins and their preparation. 3,009,902, 11-21-61, Cl. 260—67.5.

Kaiser, Emil, and E Gunther, to Armour & Co. Allyl derivatives of pinacolone-type compounds. 3,014,968, 12-26-61, Cl. 260-590.

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Kaiser, Wilhelm J., to Henkel & Cie, G.m.b.H. Process for the preparation of N-substituted aminobutyric acid esters. 2,987,540, 6-6-61, Cl. 260—482.

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Kalbfell, David C. Magnetic commutator and measuring apparatus. 2,978,694, 4-4-61, Cl. 340—347.

Kalbfell, David C. Magnetic null detecting system. 2,989,648, 6-20-61, Cl. 307—88.

Kalbow, Theodore W., to Western Electric Co., Inc. Apparatus for inserting bushings. 2,966,739, 1-3-61, Cl. 29—211.

Kalbrunner, Donaldson P., to Morlite Equipment Co. Fluorescent lighting fixture and supporting means therefor. 2,978,573, 4-4-61, Cl. 240—78.

Kalen, David D., to United States of America, Atomic Energy Commission. Modified ball and socket coupling. 2,984,995, 5-23-61, Cl. 64—7.

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Kallmann, Hartmut P., and B. Rosenberg, to Research Corp. Data storage method and apparatus. 2,972,082, 2-14-61, Cl. 315—10.

Kallmann, Hartmut P., and B. Rosenberg, to L. E. Ravich. Devices exhibiting persistent internal polarization and methods of utilizing the same. 3,005,707, 10–24–61, Cl. 96—1.
Kallmann, Heinz E., to Gulton Industries, Inc. Hall effect electromechanical sensing device. 2,987,669, 6–6–61, Cl. 324—45.
Kallsson, Bengt E. L. Signal transmitting repeater. 2,994,741, 8–1–61, Cl. 178—70.
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Kalning, Frederick E., and H. E. Redman, to United Mattress Machinery Co., Inc. Hydraulically operated table. 2,976,828, 3–28–61, Cl. 112—3.
Kalnins, Ilmars L., to Bell Telephone Laboratories, Inc. Process for etching a glass-containing surface. 2,982,626, 5–2–61, Cl. 41—42.
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Kaman, Charles, and M. L. Stevens, to The Kaman Aircraft Corp. Harmonic anti-vibration means for a helicopter. 2,983,319, 5–9–61, Cl. 170—135.22.
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Kamborian, Jacob E. Implement for driving fasteners. 2,976,538, 3–28–61, Cl. 1—106.
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Kamborian, Jacob S. Apparatus for lasting shoes and covering panels. 2,978,717, 4–11–61, Cl. 12—8.3.
Kamborian, Jacob S. Gun-type adhesive applicator. 2,979,234, 4–11–61, Cl. 222—146.
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Kamlet, Jonas, deceased; E. Y., executrix, to E. I. du Pont de Nemours and Co. Process for the manufacture of beryllium. 2,982,644, 5–2–61, Cl. 75—84.4.
Kamlet, Jonas, to Reynolds Metals Co. Process for the manufacture of sodium aluminum fluorides. 2,996,355, 8–15–61, Cl. 23—88.
Kamlet, Jonas, to National Distillers and Chemical Corp. Process for manufacture of sodium hydrosulfite. 3,004,825, 10–17–61, Cl. 23—116.
Kamlet, Jonas, to The Goodyear Tire & Rubber Co. Rubbery polymer containing a glycoldiuril as a scorch inhibitor and retarder. 3,008,936, 11–14–61, Cl. 260—83.3.
Kamlukin, Igor, and N. Rhoades, to Simplicity Mfg. Co. Tractor having a combined steering and clutch control lever. 2,989,134, 6–20–61, Cl. 180—77.
Kamm, Edmund W. E., to Tokheim Corp. Fuel supply apparatus. 2,984,106, 5–16–61, Cl. 73—198.
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Kammerer, Archer W., Jr., and D. E. Lamphere, to Rotary Oil Tool Co. Rotary drill bits and cutters. 2,976,927, 3–28–61, Cl. 166—55.8.
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Kampff, Arthur. Self-lighting cigarette. 2,997,045, 8–22–61, Cl. 131—7.
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Kandelin, Martin E., to Ingersoll-Rand Co. Tool. 3,011,481, 12–5–61, Cl. 121—35.
Kandle, Charles W. Apparatus for removing burden from a blast furnace. 2,967,316, 1–10–61, Cl. 15—104.1.

Kandle, Charles W. Earth boring apparatus. 2,979,141, 4–11–61, Cl. 175—19.

Kandle, Charles W. Vertical drill system for installing pipe. 2,979,143, 4–11–61, Cl. 175—130.

Kandle, Charles W. Wing collar drill. 2,990,896, 7–4–61, Cl. 175—171.

Kandler, Ludwig, and H. Vogt. Method and apparatus for electrolytic decomposition of amalgams. 2,970,095, 1–31–61, Cl. 204—99

Kane, Donald C., to Specialties Development Corp. Aspirating apparatus. 2,975,958, 3–21–61, Cl. 230—95.

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Kane, Frank A.: *See*—
Kane, Frank A., Jr. and F. A. Kane. 3,003,487.

Kane, Frank A., Jr. and F. A. Kane, ¼ to G. F. Oberrender, and ¼ to E. R. Posnack. Device for controlling the admission of fuel into internal combustion engines. 3,003,487, 10–10–61, Cl. 123—97.

Kane, Howard L., and M. Konigsberg, to Polymer Industries Inc. Laminated panels and method of manufacture. 2,991,215, 7–4–61, Cl. 154—121.

Kane, James: *See*—
Firth, Donald, and Kane. 2,995,922.

Kane, James T.: *See*—
Campbell, Andrew H., and Kane. 2,968,508.

Kane, John R.: *See*—
Ackley, Charles E., and Kane. 2,982,234.

Kane, Raymond M.: *See*—
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Kane, Richard E.: *See*—
Baker, Benjamin P., Schrameck, and Kane. 2,999,143.
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Kane, Thomas C., deceased, by Dollar Savings and Trust Co., executor, to The Commercial Shearing and Stamping Co. Thrust plates for rotary pumps and motors. 2,982,220, 5–2–61, Cl. 103—126.

Kane, Thomas C., to The Commercial Shearing and Stamping Co. Apparatus for the production of high pressure fluid. 2,996,993, 8–22–61, Cl. 103—49.

Kaneko, Itaru: *See*—
Kawa, Junnosuke, Akioka, Kaneko, and Tatematsu. 2,994,246.

Kaneko, Juzo: *See*—
Masuda, Toru, Yamamoto, and Kaneko. 2,973,305.

Kaneko, Takeo, and T. Inui, to Ajinomoto Co., Inc. Process for converting erythroform of β-hydroxy-α-amino acid to threoform thereof. 2,986,578, 5–30–61, Cl. 260—519.

Kaneko, Thomas M., and V. L. Hansley, to National Distillers and Chemical Corp. Desulfurization process utilizing metallic sodium and recycling of sludge. 3,004,912, 10–17–61, Cl. 208—208.

Kaner, David, and P. D. Dignan. Rapid acting flame-retardant film emulsion drying solution. 2,967,771, 1–10–61, Cl. 96—50.

Kangas, Charles H., to Phillips Petroleum Co. Pumping system. 2,969,799, 1–31–61, Cl. 137—2.

Kanger, Feodor: *See*—
Chatfield, Victor G. M., and Kanger. 3,004,553.

Kangro, Walter C.: *See*—
Heimbs, Ernst G. W., and Kangro. 2,975,526.

Kaniwec, George N.: *See*—
Sidell, Philip A., Kaniwec, and Burgeson. 3,004,380.

Kannegiesser & Co. Maschinenfabrik G.m.b.H.: *See*—
Kannegiesser, Herbert K., and Juraschek. 3,013,705.

Kannegiesser, Herbert K., and R. J. Juraschek, to Kannegiesser & Co. Maschinenfabrik G.m.b.H. Press, especially for shirts. 3,013,705, 12–19–61, Cl. 223—57.

Kanner, Bernard: *See*—
Bailey, Donald L., Pepe, and Kanner. 3,007,957.

Kant, Fred H.: *See*—
Hinlicky, John A., and Kant. 2,973,330.

Kant, Fred H., to Esso Research and Engineering Co. Solvent treating of petroleum fractions. 3,004,915, 10–17–61, Cl. 208—323.

Kanter, Harry, to France Neckwear Co., Inc. Necktie form. 2,972,750, 2–28–61, Cl. 2—153.

Kanter, Jerome J., and C. U. Larson, to Crane Co. Valve construction. 2,992,806, 7–18–61, Cl. 251—64.

Kantner, Harold H.: *See*—
Cameron, Scott H., and Kantner. 2,992,293.

Kantor, Bertram L. and S. M. Method of weatherproofing a window. 2,988,491, 6–13–61, Cl. 204—38.

Kantor, Harry D. and P. Tissue dispenser. 3,002,799, 10–3–61, Cl. 312—211.

Kantor, Philip: *See*—
Kantor, Harry D. and P. 3,002,799.

Kantor, Seymour M.: *See*—
Kantor, Bertram L. and S. M. 2,988,491.

Kantor, Simon W., to General Electric Co. Lubricant composition. 2,967,192, 1–3–61, Cl. 260—448.2.

Kantor, Simon W., to General Electric Co. Sulfone-containing organopolysiloxanes. 2,997,457, 8–22–61, Cl. 260—46.5.

Kantrowitz, Arthur R., T. R. Brogan, and D. Hritzay, to Avco Corp. Plasma generator. 2,972,696, 2–21–61, Cl. 313—231.

Kanwisher, John W.: *See*—
Carritt, Dayton E., and Kanwisher. 3,000,805.

Kanzelberger, Claude G.: *See*—
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Kanzelberger, Claude G., to Hamilton Mfg. Co. Combined pencil trough, instrument guard and drafting machine track for drawing board 3,003,243, 10–10–61, Cl. 33—76.

Kao, John Y. L., to F. D. Farman Co. Method of producing rubber latex. 2,981,709, 4–25–61, Cl. 260—23.7.

Kao, Victor T.: *See*—
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Kapalko, Erwin J., and H. G. Bittle, to Pittsburgh Plate Glass Co. Blends of aldehyde-substituted amide interpolymers with polyethylene and methods of blending the same. 3,011,993, 12–5–61, Cl. 260—33.6.

Kapff, Sixt F., to Standard Oil Co. Combustibles-in-air instrument. 2,980,513, 4–18–61, Cl. 23—255.

Kapff, Sixt F., D. D. Lo Giurato, and R. B. Jacobs, to Standard Oil Co. Automatic batch and point measurement. 2,967,422, 1–10–61, Cl. 73—17.

Kapff, Sixt F., and R. B. Jacobs, to Standard Oil Co. Continuous end point instrument and method. 2,967,425, 1–10–61, Cl. 73—53.

Kapilow, Marvin: *See*—
Reibel, Robert H., Martinez, and Kapilow. 2,969,106.

Kaplan, Allan G. Retractable propeller. 2,981,339, 4–25–61, Cl. 170—160.12.

Kaplan, Arnold. Bowling ball and shoes carrier. 2,991,859, 7–11–61, Cl. 190—48.

Kaplan, Benjamin B., to Albi Mfg. Co., Inc. Weather resistant, fire retardant paint containing chlorine-containing organic polymer and a spumific. 2,984,640, 5–16–61, Cl. 260—33.4.

Kaplan, David H., to Convertawings, Inc. Control system for four power units and the combination. 3,008,524, 11–14–61, Cl. 170—135.24.

Kaplan, Earl: *See*—
Moran, Albert E., and Kaplan. 2,971,812.
Pillon, Dante A., and Kaplan. 2,968,630.

Kaplan, Earl, and I. Von, to American Cyanamid Co. Soluble vat dye printing compositions with heterocyclic solubilizing agents. 2,970,880, 2–7–61, Cl. 8—70.

Kaplan, Earl, and J. C. Morath, to American Cyanamid Co. Homopolymers of 1,3 bis-(hydroxymethyl) 2-imidazolidones or imidazolithiones. 3,004,002, 10–10–61, Cl. 260—67.5.

Kaplan, George M.: *See*—
Esselman, Walter H., and Kaplan. 2,989,453.

Kaplan, Jack: *See*—
Wolf, Peter S., and Kaplan. 2,975,495.

Kaplan, Leo I., to Poly Industries, Inc. Laminated structure and method of fabricating the same. 2,982,846, 5–2–61, Cl. 219—117.

Kaplan, Leo I., to Poly Industries, Inc. Integrally reinforced V-band clamp. 3,010,172, 11–28–61, Cl. 24—279.

Kaplan, Leo I., to Poly Industries, Inc. Airfoil with boundary layer control. 3,010,680, 11–28–61, Cl. 244—42.

Kaplan, Leo I., and L. Horres, to Poly Industries, Inc. Fluid-pervious sheet material. 2,999,146, 9–5–61, Cl. 219—93.

Kaplan, Lloyd A., and F. Taylor, Jr., to United States of America, Navy. Preparation of 1,3,5-triamino-2,4,6-trinitrobenzene. 3,002,998, 10–3–61, Cl. 260—581.

Kaplan, Louis G.: *See*—
Dreisin, Alexander, and Kaplan. 2,980,092.

Kaplan, Louis G., and D. J. Moro, to Cullen-Friestedt Co. Articulated lifter. 2,987,339, 6–6–61, Cl. 294—67.

Kaplan, Mandall, to Kitchens of Sara Lee, Inc. Precooked frozen food package. 3,008,837, 11–14–61, Cl. 99—192.

Kaplan, Melvin, and M. Koral, to Allied Chemical Corp. Cellular polyurethane resin containing primary -2-hydroxyethylphosphite and method of preparing same. 3,007,884, 11–7–61, Cl. 260—2.5.

Kaplan, Michael L., deceased, P. Kaplan and National Bank of Westchester, executors. Extensible electric cables. 3,014,087, 12–19–61, Cl. 174—69.

Kaplan, Murray A., to Bristol-Myers Co. Epimerization process for anhydrotetracycline. 2,990,426, 6–27–61, Cl. 260—559.

Kaplan, Murray A., and F. H. Buckwalter, to Bristol-Myers Co. Production of ammonium hexametaphosphate by cation exchange resin. 2,971,818, 2–14–61, Cl. 23—107.

Kaplan, Nathan. Mixing device. 3,009,686, 11–21–61, Cl. 259—101.

Kaplan, Philip: *See*—
Kaplan, Michael L. 3,014,087.

Kaplan, Ralph B.: *See*—
Shechter, Harold, and Kaplan. 2,997,504.

Kaplan, Sam H., to Zenith Radio Corp. Optical correction in manufacture of color image reproducers. 3,003,874, 10–10–61, Cl. 96—35.

Kaplan, Sam H., and T. S. Noskowicz, to Zenith Radio Corp. Method of manufacturing luminescent screens. 2,992,107, 7–11–61, Cl. 96—35.

Kaplan, Sidney J., H. W. Bomzer, F. B. Smith, and E. Gold, to Sperry Rand Corp., Ford Instrument Co., Division. Optical radar trainer. 2,973,587, 3–7–61, Cl. 35—10.4.

Kaposta, Louis J. Rotary mower for producing scalloped cutting effect. 2,979,878, 4–18–61, Cl. 56—25.4.

Kapp, Numer M.: *See*—
Claunch, Charles K., Jr., and Kapp. 3,006,693.

Kapp, Roland: *See*—
Klein, Howard C., and Kapp. 2,972,634.
Klein, Howard C., Kapp, and Griffith. 3,009,922.

Kapp, Roland, and R. Griffith, to Nopco Chemical Co. Preparation of dense calcium pantothenate. 2,992,273, 7–11–61, Cl. 260—534.

Kappel, Henry C., and L. J. Martin, to The Richardson Co. Bottled beverage carrying case. 2,970,715, 2–7–61, Cl. 220—21.

Kappele, William R. High efficiency ignition system. 3,007,082, 10–31–61, Cl. 315—214.
Kappeler, Heini: *See*—
Schwyzer, Robert, Iselin, Kappeler, Rittel, and Rinker. 2,978,444.
Kappelman, Allan E.: *See*—
Burgert, Harold E. 2,967,428.
Kappen, John W. Pallet. 2,974,917, 3–14–61, Cl. 248—120.
Kappen, John W. Pallet transporting apparatus. 3,001,797, 9–26–61, Cl. 280—46.
Kapral, Ales M., to Process Methods Corp. Method of water- and grease-proofing paper products. 2,982,675, 5–2–61, Cl. 117—154.
Kaprelian, Edward K., to The Kalart Co. Inc. Multiple photoflash lamp arrangement. 2,981,088, 4–25–61, Cl. 67—31.
Kaprelian, Edward K. Color electrophotography. 2,986,466, 5–30–61, Cl. 96—1.
Kaprelian, Edward K. Fluid layer shutters. 2,986,982, 6–6–61, Cl. 95—53.
Kaprelian, Edward K. Light valve. 2,997,922, 8–29–61, Cl. 88—61.
Kapsenberg, Hans, to N.V. Koninklijke Nederlandsche Zoutindustrie. Process for the preparation of sodium chloride by the evaporation of solutions. 3,000,708, 9–19–61, Cl. 23—323.
Kapteyn, Paul. Circuit arrangement for electronic flash units with economizing operation. 3,011,094, 11–28–61, Cl. 315—183.
Kapteyn, Peter: *See*—
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Kaptur, Robert E., to Ford Motor Co. Fluid pressure operated clutch. 2,966,978, 1–3–61, Cl. 192—106.
Karabinos, Joseph V., and E. J. Quinn, to Olin Mathieson Chemical Corp. Fructoheptonate inhibited alkaline detergent solutions. 2,992,998, 7–18–61, Cl. 252—156.
Karalis, Algird J.: *See*—
Baumgarten, Aaron, and Karalis. 3,010,887.
Karas, Albert J.: *See*—
Melzard, Douglas E., Kendall, and Karas. 2,978,328.
Karasek, Francis W., and J. G. Skinner, to Phillips Petroleum Co. Analyzer and method of control. 2,979,385, 4–11–61, Cl. 23—253.
Karassik, Igor J., to Worthington Corp. Control of spray water to reheater attemperators. 2,979,040, 4–11–61, Cl. 122—459.
Karato, Yoshiichi: *See*—
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Karch, Walter C.: *See*—
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Karchmer, Jean H., and M. T. Walker, now by change of name M. W. Eastwood, to Esso Research and Engineering Co. Purification of gas. 3,000,988, 9–19–61, Cl. 260—677.
Kardos, Joseph F.: *See*—
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Kardos, Otto: *See*—
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Foulke, Donald G., Kardos, and Koretzky. 3,002,903.
Foulke, Donald G., Kardos, and Koretzky. 3,002,904.
Foulke, Donald G., Stoddard, Kardos, and Kleiner. 2,976,225.
Kardos, Peter, to Morrison Products, Inc. Thermostat device. 2,980,780, 4–18–61, Cl. 200—138.
Kardys, Joseph A., to Chas. Pfizer & Co., Inc. Tetracycline purification. 3,013,074, 12–12–61, Cl. 260—559.
Kare, Morley R., to S. B. Penick and Co., Inc. Bird repellent. 2,967,128, 1–3–61, Cl. 167—46.
Karecki, Marion R., to Whirlpool Corp. Filter. 3,006,477, 10–31–61, Cl. 210—195.
Karell, Reino O.: *See*—
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Karg, Fred H., to Giannini Controls Corp. Potentiometer. 2,975,389, 3–14–61, Cl. 338—176.
Karge, Max R., and W. I. Carlson, to Chisholm-Ryder Co., Inc. Pockets for bean snipper. 2,979,096, 4–11–61, Cl. 146—86.
Karger, Fritz, to Fa. Reimers-Getriebe K.G. Adjustment and maintenance of constant peripheral speed of rotary machines. 3,008,071, 11–7–61, Cl. 318—11.
Kari Kold Co.: *See*—
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Karig, Erhardt, and R. Schrodt, to Reimers-Getriebe KG. Control device for infinitely variable gears. 2,993,385, 7–25–61, Cl. 74—230.17.
Karig, Horace E.: *See*—
Getchell, Robert M., and Karig. 2,971,652.
Karig, Horace E., to United States of America, Navy. Torpedo depth control. 2,974,622, 3–14–61, Cl. 114—25.
Karig, Howard L. Balance weight for automotive wheels. 3,011,828, 12–5–61, Cl. 301—5.
Kark, James H., C. O. Breitsprecher, and D. M. Bornarth, to Racine Hydraulics and Machinery, Inc. Linear displacement transducer. 2,994,226, 8–1–61, Cl. 74—90.
Karkoska, Willie R. Cotton cleaning apparatus. 2,993,237, 7–25–61, Cl. 19—38.
Karl, Clarence O., to Safe-Pack Container Co. Container structures. 3,004,694, 10–17–61, Cl. 229—4.5.
Karlan, Mac, and H. Silver. Dry transfer sheet and method. 3,013,917, 12–19–61, Cl. 154—46.8.
Karlby, Henning, and A. B. Newbury, to Rockwell Mfg. Co. Motor driven impact valve operator. 2,992,807, 7–18–61, Cl. 251—76.
Karlen, Harvey R., to Cary Corp. Variable control switch. 2,979,597, 4–11–61, Cl. 219—20.
Karlgaard, Wayne A.: *See*—
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Karlinski, Robert M.: *See*—
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Sabol, Albert R., Blaha, and Karll. 3,002,925.
Karlovitz, Bela, to Pittsburgh Plate Glass Co. Apparatus for making fibers. 2,982,991, 5–9–61, Cl. 18—2.5.
Karlovitz, Bela, to Combustion and Explosives Research, Inc. Method and apparatus for the production of high gas temperatures. 3,004,137, 10–10–61, Cl. 219—75.
Karlovsky, Jerry, to Goodman Mfg. Co. Retractible corner sprocket for boring types of continuous mining machines. 2,991,059, 7–4–61, Cl. 262—7.
Karlsberg, Edward: *See*—
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Karlsberg, Michael M., to E. Karlsberg. Elliptic compass. 2,992,485, 7–18–61, Cl. 33—31.
Karlson, Richard W., to Eastman Kodak Co. Photographic silver halide diffusion transfer process. 3,000,736, 9–19–61, Cl. 96—29.
Karlson, Wesley N. Chemical feeders. 2,989,979, 6–27–61, Cl. 137—268.
Karlsson, Arnold V.: *See*—
Mattsson, Sven A., and Karlsson. 2,981,248.
Karlsson, Elof K.: *See*—
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Karlsson, Elof K., to International Harvester Co. Combine. 3,014,485, 12–26–61, Cl. 130—27.
Karlsson, Frans H.: *See*—
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Karlsson, Karl G., to Aktieboiaget Galco. Method of manufacturing split prongs for loose leaf binders. 2,990,611, 7–4–61, Cl. 29—531.
Karlsson, Marius, and A. M. Jonsson, ½ to K. W. Anderson. Fish gaff. 2,978,269, 4–4–61, Cl. 294—26.
Karlsson, Waldemar. Cabinet for disc records. 2,981,581, 4–25–61, Cl. 312—15.
Karlstad, Maurice D., Jr.: *See*—
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Karmas, George, to Ortho Pharmaceutical Corp. Acetylated aldehyde adducts of 2-amino-5-nitrothiazole. 2,980,688, 4–18–61, Cl. 260—306.8.
Karnofsky, George B., to Blaw-Knox Co. Selective adsorption process and apparatus. 2,967,148, 1–3–61, Cl. 208—310.
Karnow, Paul.: *See*—
Herrick, Robert M., and Karnow. 2,972,198.
Karnow, Paul. Self-oriented articulated support. 2,969,552, 1–31–61, Cl. 9—8.3
Karnow, Paul, to United States of America, Navy. Magnifier unit for instrument dials. 2,972,283, 2–21–61, Cl. 88—24.
Karnow, Paul, and R. M. Harrick, to United States of America, Navy. Performance bar. 2,971,273, 2–14–61, Cl. 35—22.
Karo, Wolf: *See*—
Halpern, Benjamin D., Karo, and Gapsch. 3,006,901.
Karol, Josef L. Attic ventilating apparatus. 2,968,230, 1–17–61, Cl. 98—43.
Karolus, August, to Societe Technique pour l'Industrie Nouvelle S.A. Stin. Train-end signalling device. 2,970,211, 1–31–61, Cl. 246—249.
Karp, Harry R., to The Bendix Corp. Windshield temperature controller. 2,979,596, 4–11–61, Cl. 219—20.
Karp, Joseph A., and W. M. B. Haas, to General Dynamics Corp. Self-aligning and sealing clinch nut. 2,986,188, 5–30–61, Cl. 151—41.73.
Karp, Murry P., to Lifeguard Swim Pool Corp. Combination swimming pool cover and floor. 2,970,320, 2–7–61, Cl. 4—172.
Karp, Philip I.: *See*—
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Karp, Raymond E., to United States of America, Navy. Torpedo intermediate section. 3,001,498, 9–26–61, Cl. 114—20.
Karpf, Josef. Meat choppers. 3,001,563, 9–26–61, Cl. 146—67.
Karpiuk, Robert S., to The Dow Chemical Co. Inhibition of decomposition of amalgam. 2,967,808, 1–10–61, Cl. 204—99.
Karplus, Walter J.: *See*—
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Karpuk, John P.: *See*—
Thomas, Jesse B., and Karpuk. 2,975,002.
Karr, Alexander. Light weight lift. 2,998,994, 9–5–61, Cl. 294—67.
Karr, Gerald W.: *See*—
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Karrels, Alvin J. Blade balancer. 2,987,924, 6–13–61, Cl. 73—480.
Karrels, Alvin J. Tracking arm. 2,992,489, 7–18–61, Cl. 33—169.

Karrer, Paul: *See*—
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Fritts, Robert W., and Karrer. 2,972,654.
Fritts, Robert W., and Karrer. 3,001,126.
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Karron, Jacob, G. N. Landis, and L. Robbins, to Baldwin-Lima-Hamilton Corp. Reducing the cross-section of material. 2,995,050, 8–8–61, Cl. 80—43.
Karschney, Albert E. Portable hydraulic veneer mill. 3,006,391, 10–31–61, Cl. 144—162.
Karsh, Irving: *See*—
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Karst, William B.: *See*—
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Karsten, Arnold J.: *See*—
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Kartridg Pak Co., The: *See*—
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Karwat, Ernst, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Procedure for the vaporization of liquid oxygen which contains hydrocarbons. 2,975,606, 3–21–61, Cl. 62—18.
Kasak, August: *See*—
Dulis, Edward J., Kasak, and Chandhok. 2,986,463.
Kaschner, Daniel B., Sr., to American Can Co. Gauging mechanism. 2,974,953, 3–14–61, Cl. 271—59.
Kasehagen, Leo, to Atlas Powder Co. Hydrogenation of carbohydrates. 2,968,680, 1–17–61, Cl. 260—635.
Kaser, Arthur, to Purolator Products, Inc. Filter breather. 3,012,631, 12–12–61, Cl. 183—34.
Kasey, Robert A., Jr., E. H. Rinker, Jr., and V. H. Scheuerman, to E. I. du Pont de Nemours and Co. Woven fabric. 3,005,472. 10–24–61. Cl. 139—426.
Kaskan, Walter E.: *See*—
Mullaney, George J., and Kaskan. 2,966,793.
Kasman, Sidney. Melting point determining apparatus. 2,988,912, 6–20–61, Cl. 73—17.
Kaspar, Josef, and A. J. Bielski, to International Telephone and Telegraph Corp. Compressor system. 2,970,747, 2–7–61, Cl. 230—162.
Kaspar, Peter D., to International Latex Corp. Method of forming deposited latex articles. 2,967,331, 1–10–61, Cl. 18—58.6.
Kasper, Andrew A., to The Kendall Co. Complex compounds of tetraisopropyl zirconate with ammonia. 2,977,378, 3–28–61, Cl. 260—429.3.
Kasper, Elmer J., to Royal Appliance Mfg. Co. Suction cleaner nozzle construction. 2,997,729, 8–29–61, Cl. 15—355.
Kasper, Klaus: *See*—
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Kass, Bernard H., to Machinery Mountings, Inc. Vibration isolation arrangements. 2,978,213, 4–4–61, Cl. 248—20.
Kass, Gerald H.: *See*—
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Kassel, Louis S., to Universal Oil Products Co. Contactor. 2,974,020, 3–7–61, Cl. 23—288.
Kassel, Martin, G. Martens, and H. J. Hildenbrand, to Keinzle Apparate G.m.b.H. Process for generating series of electrical pulses with a selectable number of individual pulses. 3,001,137, 9–19–61, Cl. 328—38.
Kasselmann, George J., to The R. K. Le Blond Machine Tool Co. Contour chasing lathe and method of operation. 2,986,055, 5–30–61, Cl. 82—14.
Kassenbeck, Paul, to Institut Textile de France. Method of and apparatus for processing textile fibre materials. 2,977,475, 3–28–61, Cl. 250—49.5.
Kastel, Frederick: *See*—
Sachs, Samuel, and Kastel. 3,003,406.
Kastel, Isidor I., deceased; L. Kastel, administratrix. Telephone set. 3,011,024, 11–28–61, Cl. 179—1.
Kastel, Lillian: *See*—
Kastel, Isidor I. 3,011,024.
Kasten, John E. Adjustable drawbars. 3,014,738, 12–26–61, Cl. 280—482.
Kasting, Howard E.: *See*—
Eichin, Harry P., and Kasting. 2,995,243.
Toepper, Marvin W., and Kasting. 3,011,895.
Kastning, Ernst-Guenther: *See*—
Wisseroth, Karl, Kastning, and Trieschmann. 3,001,977.
Kastrop, Clarence J.: *See*—
Browning, Myron E., and Kastrop. 3,006,861.
Kaswan, Siegfried, to Actuation Research Corp. Pressurized power actuated butterfly valve. 2,974,921, 3–14–61, Cl. 251—58.
Kaszuba, Frank J., J. M. Matteson, and R. P. Easton, to General Aniline & Film Corp. Antistatic backing layers for photographic film. 2,973,263, 2–28–61, Cl. 96—87.
Katakura, Sampei, and K. Tachiki. Process for the manufacture of rustless iron. 2,980,528, 4–18–61, Cl. 75—28.
Katella, Albert J., to Philco Corp. Transducers. 2,975,243, 3–14–61, Cl. 179—111.
Kates, Charles, to Union Malleable Mfg. Co. Pressure control valve for molding machines and the like. 2,991,802, 7–11–61, Cl. 137—622.5.
Kates, Phillip: *See*—
Foltis, Anestis C., and Kates. 3,008,478.
Kates, W. A., Co., The: *See*—
Kates, Willard A. 2,984,261.
Viergutz, Alfred H. 2,967,543.
Kates, Willard A., to The W. A. Kates Co. Fluid flow regulator. 2,984,261, 5–16–61, Cl. 138—46.
Kathol, Josef: *See*—
Junkmann, Karl, Kathol, and Richter. 2,987,440.
Katis, William R.: *See*—
Marik, Henry J., and Katis. 2,996,274.
Kato, Jiro, H. Wakamatsu, and H. Ishiwara, to Ajinomoto Co., Inc. Synthetic process for producing aldehydes from acrylonitrile by oxo-reaction. 2,978,481, 4–4–61, Cl. 260—465.1.
Kato, Masao. Motor available for toys. 2,978,598, 4–4–61, Cl. 310—43.
Kato, Masao. Movable toys provided with phonograph. 2,978,836, 4–11–61, Cl. 46—232.
Kato, Masumi, to Nippon Denso Kabushiki Kaisha. Apparatus for automatically actuating and stopping a wiper or wipers for vehicles. 3,006,013, 10–31–61, Cl. 15—250.17.
Kato, Takeo. Machine for the production of hollow goods consisting of synthetic resin. 2,986,774, 6–6–61, Cl. 18—5.
Kato, Yo: *See*—
Kinoshita, Shukuo, Tanaka, and Kato. 3,003,921.
Katona, Joseph. Combination lock. 2,967,419, 1–10–61, Cl. 70—313.
Katorsky, Oskar. Flame supervision instrumentation. 2,979,125, 4–11–61, Cl. 158—28.
Katsanis, David J.: *See*—
Turnbull, Norman K., and Katsanis. 3,014,425.
Katsuhara, Hideo, to Onoda Cement Co. Ltd. Flexible connecting tube for conveyance. 3,006,662, 10–31–61, Cl. 285—114.
Katthoefer, Eric. Therapeutic aid. 2,973,757, 3–7–61, Cl. 128—80.
Kattis, Theodore. Ice making machine. 3,003,335, 10–10–61, Cl. 62—348.
Katva, Ilmari, to P. R. Broen. Mixing valves. 3,002,531, 10–3–61, Cl. 137—597.
Katz, Abe A., to Automatic Tag Machines, Inc. Tag printing machine. 2,968,237, 1–17–61, Cl. 101—66.
Katz, Abraham, to Radio Corp. of America. Memory systems. 3,008,129, 11–7–61, Cl. 340—174.
Katz, Alex J.: *See*—
Bontempi, Joseph, and Katz. 2,984,293.
Bontempi, Joseph, and Katz. 3,008,766.
Katz, Avrum S., to Sterling Industries, Inc. Door closer. 2,979,759, 4–18–61, Cl. 16—66.
Katz, David. Automatic graph computer. 2,973,140, 2–28–61, Cl. 235—61.6.
Katz, David, to Bell Telephone Laboratories, Inc. Digital to analog converter. 2,980,899, 4–18–61, Cl. 340—347.
Katz, David L., and C. E. Lanizzani, to United States of America, Army. Cartridge clip ejection means for semi-automatic firearms. 2,982,043, 5–2–61, Cl. 42—39.5.
Katz, Dov: *See*—
Haward, Robert N., Katz, and Roper. 2,991,258.
Katz, Edwin F., to General Motors Corp. Precision gear train for servo control mechanism. 2,971,407, 2–14–61, Cl. 74—801.
Katz, Edwin F., to General Motors Corp. Gyro ammeter. 3,004,221, 10–10–61, Cl. 324—98.
Katz, Helmut, to Siemens & Halske Aktiengesellschaft. Electronic tube. 2,974,250, 3–7–61, Cl. 313—331.
Katz, Irving, J. C. Wilson, and R. W. Jenkins, to North American Aviation, Inc. Composition of a monoepoxide modified polyamide and an epoxy resin. 2,970,971, 2–7–61, Cl. 260—18.
Katz, Joseph J.: *See*—
Dixon, Jonathan S., Katz, and Orlemann. 2,989,556.
Hyman, Herbert H., and Katz. 2,983,658.
Katz, Leonhard, to United States of America, Navy. Cooling means for gyroscopic device. 3,004,436, 10–17–61, Cl. 74—5.
Katz, Manfred, to E. I. du Pont de Nemours and Co. Products from piperazine and diisocyanates. 2,975,157, 3–14–61, Cl. 260—77.5.
Katz, Manfred, and E. L. Wittbecker, to E. I. du Pont de Nemours & Co. Polyurethane polymer. 2,973,333, 2–28–61, Cl. 260—32.6.
Katz, Moe P. Precooked frozen food composition and method of preparing same. 3,012,896, 12–12–61, Cl. 99—193.
Katz, Walter. Apparatus for analyzing human performance. 3,003,255, 10–10–61, Cl. 35—22.
Katz, William J.: *See*—
Conley, Weld E., Katz, and Quast. 3,004,672.
Katzbeck, Walter J., to Corn Products Co. Liquid laundry starch. 2,999,031, 9–5–61, Cl. 106—213.
Katzenberger, Edward F., to United States of America, Air Force. Three directional control vane. 2,984,255, 5–16–61, Cl. 137—610.

Katzenberger, Edward F., L. G. Knapp, and J. E. A. Steinback, to United States of America, Air Force. Rotor blade. 2,988,152, 6–13–61, Cl. 170—135.4.

Katzenberger, Ralph H., to Schwitzer Corp. Vibration damper assembly. 2,992,569, 7–18–61, Cl. 74—574.

Katzenstein, Henry S., to The Siegler Corp. Electric generator. 2,988,654, 6–13–61, Cl. 307—88.5.

Katzenstein, Henry S. and J. Sonic flow meter. 2,991,650, 7–11–61, Cl. 73—194.

Katzenstein, Jack: *See*—
Katzenstein, Henry S. and J. 2,991,650.

Katzin, Eugene M. Thermometer cover. 2,969,141, 1–24–61, Cl. 206—16.5.

Katzin, Leonard I.: *See*—
Hyde, Earl K., Katzin, and Wolf. 2,078,294.

Katzin, Martin. Double pulse length radar. 2,987,720, 6–6–61, Cl. 343—17.1.

Katzin, Nathan. Chests for silverware and the like. 3,003,840, 10–10–61, Cl. 312—298.

Katzman, Lawrence, and M. L. Block. Cap and spout combination. 2,977,053, 3–28–61, Cl. 239—505.

Katzmann, Fred L., to Fairchild Camera and Instrument Corp. Oscilloscope. 2,997,620, 8–22–61, Cl. 315—22.

Katzschmann, Ewald, to Chemische Werke Witten Gesellschaft mit beschrankter Haftung. Method for utilizing waste polyethylene terephthalate materials. 3,008,980, 11–14–61, Cl. 260—475.

Kauder, Otto S., to Argus Chemical Corp. Stabilization of methylchloroform. 3,008,999, 11–14–61, Cl. 260—652.5.

Kauder, Otto S., and N. L. Perry, to Argus Chemical Corp. Polyvinyl chloride resin compositions for use in food packaging. 3,003,998, 10–10–61, Cl. 260—45.75.

Kauder, Otto S., and N. L. Perry, to Argus Chemical Corp. Stabilized polyvinyl compositions for use in food packaging. 3,003,999, 10–10–61, Cl. 260—45.75.

Kauder, Otto S., and N. L. Perry, to Argus Chemical Corp. Polyvinyl chloride resin compositions stabilized for use in food packaging. 3,004,000, 10–10–61, Cl. 260—45.75.

Kauffeld, Don B., to Foils Packaging Corp. Ice cream containers. 2,994,465, 8–1–61, Cl. 229—23.

Kauffman, George A.: *See*—
Kauffman, Roy D., G. A., and J. R. 2,997,333.

Kauffman, Jay R.: *See*—
Kauffman, R. D., G. A., and J. R. 2,997,333.

Kauffman, Robert D., to Denbo Engineering and Sales Co., Inc. Mold. 2,975,481, 3–21–61, Cl. 18—42.

Kauffman, Roy D., G. A. and J. R., to Crane Rental Co., Inc. All-weather cab enclosure employing removable panel. 2,997,333, 8–22–61, Cl. 296—28.

Kauffman, Walter L., II, to Lovell Mfg. Co. Automatic index for a wringer. 2,991,642, 7–11–61, Cl. 68—255.

Kauffmann, Hugo J., A. P. Mentecki, S. S. Nalstate, and H. J. Wehrfritz, to Food Machinery and Chemical Corp. Laundering method and composition therefor. 2,975,139, 3–14–61, Cl. 252—99.

Kauffmann, John A., to International Business Machines Corp. Magnetic branching circuit. 2,970,297, 1–31–61, Cl. 340—174.

Kauffmann, John A., to International Business Machines Corp. Magnetic register. 2,974,311, 3–7–61, Cl. 340—174.

Kauffmann, John A., and R. M. Tomasulo, to International Business Machines Corp. Magnetic neither nor circuit. 2,985,868, 5–23–61, Cl. 340—174.

Kaufman, Aaron, 30% to Ronald Frohman, 30% to Arthur Frohman, and 10% to Walter Peyser. Photocopying machine. 2,996,969, 8–22–61, Cl. 95—77.

Kaufman, Albert and L. Window friction balance. 2,984,509, 5–16–61, Cl. 292—70.

Kaufman, David S., to De Roy Mfg. Co. Gyroscopic toy. 2,991,584, 7–11–61, Cl. 46—50.

Kaufman, Harry: *See*—
Loewengart, Justin, Dennison, Wachenheimer, and Kaufman. 2,966,749.

Kaufman, Jack, to Markstone Mfg. Co. Lighting fixture assembly. 2,984,739, 5–16–61, Cl. 240—78.

Kaufman, John J., and P. R. Templin, to Gulf Research & Development Co. Process of preventing the separation of polyethylene and wax comprising the addition of water. 2,969,340, 1–24–61, Cl. 260—28.5.

Kaufman, Louis: *See*—
Kaufman, Albert and L. 2,984,509.

Kaufman, Martin H., J. J. Killackey, and P. K. Chung, to United States of America, Navy. Adhesive comprising polymerizable monomeric mixture, peroxide, cobalt naphthenate and ethyl cellulose sorbate. 2,996,461, 8–15–61, Cl. 260—17.

Kaufman, Maxime G., and L. O. Hayden, to United States of America, Navy. Fluid level indicator. 3,005,345, 10–24–61, Cl. 73—327.

Kaufman, Paul N.: *See*—
Williams, Gordon E., Wyman, and Kaufman. 2,971,552.

Kaufman, Robert T. Jogging and stapling machine. 2,994,881, 8–8–61, Cl. 1—106.

Kaufman, Samuel. Variable cam driven pump. 2,975,719, 3–21–61, Cl. 103—149.

Kaufman, Samuel J.: *See*—
Jaccard, René P. 2,979,885.

Kaufman, Samuel S., and J. A. Vargas, to Sier-Bath Gear & Pump Co., Inc. Sealing rings. 2,974,501, 3–14–61, Cl. 64—9.

Kaufman, Vernon R., to Jacobsen Mfg. Co. Fuel induction system for gasoline engine. 3,008,459, 11–14–61, Cl. 123—73.

Kaufman, William. Making graded patterns for garments. 2,972,188, 2–21–61, Cl. 33—12.

Kaufmann, Albert, to Scintilla Ltd. Portable cutting apparatus. 2,994,956, 8–8–61, Cl. 30—275.

Kaufmann, Frank H., to Steel Heddle Mfg. Co. Loom harness. 2,982,313, 5–2–61, Cl. 139—188.

Kaufmann, Hans: *See*—
Buser, Rudolf, and Kaufmann. 2,983,905.

Kaufmann, Hermann: *See*—
Langenbeck, Wolfgang, Kaufmann, and Welker. 2,967,823.

Kaufmann, Henry H., to Cargill, Inc. Separator. 3,014,584. 12–26–61, Cl. 209—120.

Kaufmann, John, and W. L. Hayes, to General Precision, Inc. Interferometer optical system. 2,977,841, 4–4–61, Cl. 88—14.

Kaufmann, John J., to Steel Heddle Mfg. Co. Loom harness. 2,973,786, 3–7–61, Cl. 139—92.

Kaufmann, Julian E., Jr. Rotating outdoor sign construction. 2,978,821, 4–11–61, Cl. 40—33.

Kaufmann, Robert R.: *See*—
Basile, Carmen L., Terry, Tullgren, and Kaufmann. 3,000,405.

Kaufmann, Stephen: *See*—
Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,991,294.

Kaufmann, William F., Jr.: *See*—
Voss, Ned A., and Kaufmann. 2,987,000.

Kaufold, Leroy, and C. H. Getz, to Northrop Corp. Fan scanner celestial detector system. 2,968,735, 1–17–61, Cl. 250—203.

Kaufold, Leroy, and P. C. Cox, to Northrop Corp. Automatic grid scanning tracker. 2,981,842, 4–25–61, Cl. 250—83.3.

Kauke & Co., Inc.: *See*—
Stefanov, Boris. 3,010,078.

Kaul, Ben, to American Radiator & Standard Sanitary Corp. Punch and die for cold shaping of steel. 2,966,987, 1–3–61, Cl. 207—6.

Kaupp, Henry, to Heller Roberts Mfg. Corp. Drop cipher apparatus. 3,011,432, 12–5–61, Cl. 101—88.

Kauppi, Walter A., to United States Steel Corp. Pouring ladle nozzle seat and method of making it. 2,979,792, 4–18–61, Cl. 22—200.
materials. 2,979,145, 4–11–61, Cl. 177—103.

Kausnicka, Edward T. Pocket handkerchief. 2,966,685, 1–3–61, Cl. 2—279.

Kautz, Glenn E.: *See*—
Curran, Bernard E., and Kautz. 2,998,194.

Kautz, Walter C., Jr. Boat hull construction. 2,999,475, 9–12–61, Cl. 114—67.

Kavanagh, Frank W.: *See*—
Stewart, William T., Lowe, Kavanagh, and Stuart. 2,998,445.

Kavanau, Julian L., and N. A. Jernberg. Displaceable support or coupling mechanisms resulting in a universal plate. 2,996,288, 8–15–61, Cl. 259—72.

Kavanaugh, Edward C.: *See*—
Drever, James R., Kavanaugh, and Bossong. 2,999,281.

Kavanaugh, Francis B. and G. H. Butter patties. 3,014,616, 12–26–61, Cl. 220—97.

Kavanaugh, Gerald H.: *See*—
Kavanaugh, Francis B. and G. H. 3,014,616.

Kavesh, Sheldon, to Celanese Corp. of America. Dry feed in forming slurry in olefin polymerization. 3,012,024, 12–5–61, Cl. 260—94.9.

Kavinski, Stephen E., to Sylvania Electric Products Inc. Ring forming mechanism. 2,977,999, 4–4–61, Cl. 140—88.

Kavinski, Stephen E., to Sylvania Electric Products Inc. Wire cutting and gathering mechanism. 3,010,350, 11–28–61, Cl. 83—109.

Kawa, Junnosuke, Y. Akioka, I. Kaneko, and M. Tatematsu, to Kabushiki Kaisha Sekonic. Electric exposure meter. 2,994,246, 8–1–61, Cl. 88—23.

Kawabata, James S.: *See*—
Possis, Zinon C., Kawabata, and Connoy. 2,972,232.

Kawachi, Albert A. Time punch recording mechanism. 2,981,586, 4–25–61, Cl. 346—82.

Kawaguchi, Bunji. Apparatus for drying running web material. 3,008,243, 11–14–61, Cl. 34—160.

Kawahara, Benjamin A., and T. H. Shinkawa. Hand operated metal cutting device. 2,970,375, 2–7–61, Cl. 30—23.

Kawahara, Fred K., to Standard Oil Co. Rust-inhibited petroleum distillate fuel. 2,972,526, 2–21–61, Cl. 44—64.

Kawahara, Frederick K., to Standard Oil Co. Motor fuels. 3,006,741, 10–31–61, Cl. 44—66.

Kawai, Toshio, T. Taniyama, H. Yoshida, Y. Karato, T. Oorui, K. Yasuhara, and T. Usamoto, to Sumitomo Chemical Co., Ltd. Method of gasifying pulverized coal in vortex flow. 2,971,830, 2–14–61, Cl. 48—206.

Kawai, Yoshio, K. Matsumi, and M. Fuse. Synthesis of glutamic acid from gamma-butyrolactone-carboxylic acid or alpha-hydroxyglutaric acid. 2,995,602, 8–8–61, Cl. 260—534.

Kawalle, Arthur W. Removable type electric heating element. 2,995,646, 8–8–61, Cl. 219—38.

Kawamoto, Toshiro: *See*—
Tanaka, Isokazu, Kawamoto, and Izawa. 3,003,148.

Kawasaki, Kiyoshi. Drill chuck. 3,000,642, 9–19–61, Cl. 279—62.

Kawashima, Junichi: *See*—
Hasumi, Takao, and Kawashima. 2,983,805.

Kawashima, Kanichi. Doffing process and apparatus for the card by action of air. 2,987,779, 6–13–61, Cl. 19—106.
Kawate, Kenichi. Adapter receptacle for a photographic flash gun. 2,984,810, 5–16–61, Cl. 339—33.
Kawecki Chemical Co.: *See*—
Kawecki, Henry C., and Cole. 3,007,770.
Kawecki, Eugene, to Clinton Engines Corp. Spring starter for internal combustion engines. 2,990,827, 7–4–61, Cl. 123—179.
Kawecki, Henry C., and A. J. Cole, to Kawecki Chemical Co. Extraction of lithium. 3,007,770, 11–7–61, Cl. 23—33.
Kaweco Badische Fuellfederfabrik Friedrich Grube: *See*—
Grube, Wilhelm, and F. O. 2,972,335.
Grube, Wilhelm and F. 3,000,352.
Kawneer Co.: *See*—
Muessel, Dan C. 2,969,666.
Muessel, Dan C. 2,983,969.
Richter, John H. 3,012,679.
Kay, Casmir, J. S. McMurtrie, W. J. Nestork, and V. O. Sturtevant, to International Business Machines Corp. Photoelectric sensing. 2,993,999, 7–25–61, Cl. 250—219.
Kay Chemicals, Inc.: *See*—
Weinrich, Arthur R. 2,996,406.
Kay, Edward L., to Texaco Inc. Lubricating oil composition. 3,003,963, 10–10–61, Cl. 252—42.7.
Kay, Harry H. Animal feeder. 2,997,022, 8–22–61, Cl. 119—61.
Kay, James A., and A. G. Rose, to Rose Bros. (Gainsborough) Ltd. Apparatus for the feeding of powder and like fluent
Kay, John: *See*—
Lane, Clayton A., and Kay. 3,015,019.
Kay, John G., and A. J. Waitkins, to F. Jos. Lamb Co. Means for controlling the flow of workpieces along a conveyor. 2,989,162, 6–20–61, Cl. 193—40.
Kay, Julius, to Industrial Glass Corp. Variable intensity dial illuminator. 2,999,148, 9–5–61, Cl. 240—2.1.
Kay Mfg. Corp.: *See*—
Krakauer, Daniel. 2,979,739.
Kay, Ronald H., to International Business Machines Corp. Information storage and retrieval system. 2,982,176, 5–2–61, Cl. 88—24.
Kay, Ronald H., to International Business Machines Corp. Method of printing on vesicular material. 2,993,805, 7–25–61, Cl. 117—62.
Kay, Solomon E., and R. J. Ball, to Pilkington Bros. Ltd. Method and apparatus for applying metal-depositing solutions. 2,967,112, 1–3–61, Cl. 117—35.
Kay, Solomon E., and R. J. Ball, to Pilkington Brothers Ltd. Method of depositing metallic copper. 2,977,244, 3–28–61, Cl. 117—71.
Kayatz, Karl-Heinz, to Babcock & Wilcox Ltd. Pulverizing apparatus. 2,975,984, 3–21–61, Cl. 241—52.
Kayatz, Karl-Heinz, to Babcock & Wilcox Ltd. Air-swept pulverizing apparatus. 3,002,701, 10–3–61, Cl. 241—52.
Kayatz, Karl-Heinz, to Fuller Co. Gas-solids heat exchanger. 3,010,215, 11–28–61, Cl. 34—11.
Kaydon Engineering Corp., The: *See*—
Birleson, Stanley R., Campbell, and Dobb. 2,979,869.
Kaye, Anthony J., to General Electric Co. Article dispensing apparatus. 2,991,996, 7–11–61, Cl. 270—58.
Kaye, Morton, to Baird-Atomic, Inc. Turbidity measuring instrument. 3,013,466, 12–19–61, Cl. 88—14.
Kaye, Philip: *See*—
Peilet, Lester R., Kaye, and Tate. 2,981,963.
Kaye, Philip, and E. E. Tate, to L. R. Peilet. Collapsible brush. 2,981,965, 5–2–61, Cl. 15—203.
Kaye, Robert K.: *See*—
Brightman, Barrie, Frankel, and Kaye. 2,968,699.
Kayler, Frank H., to American Steel Foundries. Railway coupler operating rod mounting arrangement. 2,986,288, 5–30–61, Cl. 213—171.
Kaylor, Thomas W.: *See*—
Northrup, Wilmer R., and Kaylor. 2,999,331.
Kayser, Allan J. Portable concrete batch plant. 2,975,884, 3–21–61, Cl. 198—53.
Kayser, Carl: *See*—
Schackmann, Heinrich, Kayser, and Albrecht. 2,991,884.
Kayser, Heinrich, and G. Schrader, to Farbenfabriken Bayer Akteingesellschaft. Pest control agents. 2,978,479, 4–4–61, Cl. 260—461.
Kayser, John A.: *See*—
Mazziotti, Philip J., and Kayser. 2,995,908.
Kayser, John A., to Dana Corp. Self-lubricating universal joint. 3,006,168, 10–31–61, Cl. 64—17.
Kaytor, John C., deceased; R. A. Kaytor, executrix, to said R. A. Kaytor. Variable speed transmission. 3,002,395, 10–3–61, Cl. 74—217.
Kaytor, Rose A.: *See*—
Kaytor, John C. 3,002,395.
Kazan, Benjamin, to Radio Corp. of America. Display. 2,995,741, 8–8–61, Cl. 343—10.
Kazan, Benjamin, and J. E. Berkeyheiser, Jr., to Radio Corp. of America. Electroluminescent apparatus. 2,975,294, 3–14–61, Cl. 250—213.
Kazarian, Harold: *See*—
Curran, Charles F., Jr., Kazarian, and Tingle. 2,978,872.
Kaziz, Claude: *See*—
Wetroff, Georges, and Kaziz. 2,997,506.
Kazmierowicz, Constantine A. Plastic pipe covering. 2,980,568, 4–18–61, Cl. 154—44.
Kazyaka, Raymond J., to United States of America, Army. Fuel control valve of a missile system. 2,973,009, 2–28–61, Cl. 137—554.
Kean, David W., to International Business Machines Corp. Error detecting device. 2,974,864, 3–14–61, Cl. 235—153.
Kean, George W. Can opener. 2,997,786, 8–29–61, Cl. 30—9.
Kean, Henry J.: *See*—
Eber, Fred, Ott, Cochran, and Kean. 3,011,896.
Keane, John J.: *See*—
Marshall, Walter L., and Keane. 3,014,980.
Keane, Peter J., F. E. Burnell, and G. Jones, Jr., to Kelsey-Hayes Co. Power plier. 2,990,613, 7–4–61, Cl. 30—180.
Kearfott Co., Inc.: *See*—
Brady, Lynn J. 3,003,967.
Kearley, Robert A.: *See*—
Hoekje, Howard H., and Kearley. 2,974,014
Kearney, James R., Corp.: *See*—
Bernatt, Joseph. 2,988,610.
Boseman, Hoyt W., Jr. 2,974,414.
Bowen, Thomas H. 2,966,774.
Hellstern, Vernon. Re. 25,003.
Stephens, Francis E. 3,009,986.
Young, Raymond A. 2,999,125.
Zemels, Carl G., and Ortwig. 3,005,063.
Kearney, John F.: *See*—
Soderberg, John W. 2,980,887.
Kearney, Thomas J., to Detrex Chemical Industries, Inc. Ultrasonic cleaning method. 2,992,142, 7–11–61, Cl. 134—1.
Kearney & Trecker Corp.: *See*—
Armitage, Joseph B., and Flannery. 2,978,965.
Armitage, Joseph B., Wetzel, Baumbach, and Zankl. 2,988,965.
Ferris, Robert M., and Miller. 3,003,472.
Fotsch, Arthur H., and Kielma. 2,998,333.
Hansen, John A., and Riedel. 2,992,565.
Hawley, Edward H., and Crawford. 3,008,382.
Riedel, Kurt A., and Hansen. 3,010,371.
Schaefer, Kenneth A., and Sedgwick. 3,004,275.
Schmidt, Alfred O. 2,989,352.
Turkovich, Branimir F. 3,010,713.
Kearns, Michael I. Lift gate valve. 3,003,742, 10–10–61, Cl. 251—167.
Kearns, Steve: *See*—
Bloom, George E., Kearns, and Bloom. 2,990,642.
Kearton, Christopher F., J. H. Givens, and F. C. Aldred, to Courtaulds Ltd. Preparation of wood pulp. 2,974,420, 3–14–61, Cl. 34—10.
Keast, Francis H., to Orenda Engines Ltd. Heat exchangers and matrices therefor. 2,997,280, 8–22–61, Cl. 257—245.
Keathley, Anthony C.: *See*—
Haymes, William G., and Keathley. 2,995,091.
Keathley, Anthony C., and R. E. Allenson, to Phillips Petroleum Co. Modular construction of solid rocket fuel charges. 3,008,417, 11–14–61, Cl. 102—98.
Keathley, Maurice F., Sr.: *See*—
Manspeaker, Robert O., and Keathley. 3,004,651.
Keathley, Maurice F., Sr., and R. O. Manspeaker, said Manspeaker assor. to said Keathley. Material dispensing machine. 3,006,512, 10–31–61, Cl. 222—333.
Keating, Esmond J., A. S. Cooper, Jr., and A. M. Walker, to United States of America, Agriculture. Scrubbing machine for on-location cleaning of pile-type floor covering. 2,972,769, 2–28–61, Cl. 15—321.
Keating, James P.: *See*—
Campbell, Donald A., and Keating. 2,992,459.
Keating, Jerome V. Collapsible cigarette package with cover. 2,988,261, 6–13–61, Cl. 229—38.
Keating, John W., to Wallace & Tierman Inc. Pharmaceutical preparations comprising cation exchange resin adsorption compounds and treatment therewith. 2,990,332, 6–27–61, Cl. 167—65.
Keating, Kenneth L.: *See*—
McNamara, John E., and Keating. 3,007,820.
Keaton, Josiah L., to R. J. Reynolds Tobacco Co. Additives for smoking tobacco products. 3,006,347, 10–31–61, Cl. 131—15.
Keats, John L., to E. I. du Pont de Nemours and Co. Aerosols. 2,980,582, 4–18–61, Cl. 167—39.
Keblusek, Richardus J. M., P. Winkel, and S. A. Troelstra, to North American Philips Co., Inc. Electrolytic capacitor. 3,014,166, 12–19–61, Cl. 317—230.
Kebrich, Leonard M., to National Lead Co. Preparation of fatty acid salts. 3,002,943, 10–3–61, Cl. 260—23.
Kebrle, Jindrich: *See*—
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 2,980,690.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 2,987,518.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 3,004,982.
Hoffmann, Karl, and Kebrle. 3,000,899.
Hunger, Alfred, Kebrle, Rossi, and Hoffmann. 3,004,978.
Kececioglu, Dimitri B., R. T. Baugh, and T. R. Hoffmann, to Allis-Chalmers Mfg. Co. Ultrasonic apparatus and methods of comminution. 2,980,345, 4–18–61, Cl. 241—1.
Keck, Charles D. Grinding device. 3,012,382, 12–12–61, Cl. 51—241.
Keck, Edward, and B. E. Frank, to General Motors Corp. Automatic drill changer. 2,997,901, 8–29–61, Cl. 77—32.7.
Keck, Henry, Associates: *See*—
Craig, Burnie M. 3,013,105.
Keck, Johannes, to Dr. Karl Thomae G.m.b.H. Process for the recovery of UR-factor and relaxin. 3,008,878, 11–14–61, Cl. 167—74.
Keck, Merle E., to Westinghouse Electric Corp. Luminaire optical system. 2,970,208, 1–31–61, Cl. 240—25.

Kee Lox Mfg. Co.: *See*—
McCay, George B. 2,972,507.
Keefe, Arthur. Inflation valves for pneumatic tires. 3,007,483. 11–7–61, Cl. 137—223.
Keefe, Robert L., Jr., to E. I. du Pont de Nemours and Co. Process for treating synthetic yarn. 2,978,788, 4–11–61, Cl. 28—75.
Keefe, Robert P. Self operated emergency life saving device. 2,970,326, 2–7–61, Cl. 9—316.
Keefer, Fred S., Jr., to The Chatham Controls Corp. Thermostatic switch. 2,970,195, 1–31–61, Cl. 200—138.
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Buttress, Ralph E., Keegan, and Stuart. 3,014,823.
Keegan, Thomas F., to Mathews Conveyer Co. Vibratory conveyor inertial drive. 2,991,872, 7–11–61, Cl. 198—220.
Keegan, Thomas F., to J. H. Reighart. Ladle feeder assembly. 3,010,563, 11–28–61, Cl. 198—52.
Keehn, Paul J.: *See*—
Elam, David L., and Keehn. 3,015,077.
Keel, Donald K.: *See*—
Nagel, Fritz J., French, and Keel. 2,992,963.
Keelavite Co. Ltd., The: *See*—
Harris, John S. 2,997,093.
Lee, Norman. 3,007,452.
Keeler Brass Co.: *See*—
Jakeway, Gerald V. 2,999,712.
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Keeling, Kermit B., Sr., to General Electric Co. Removable door structure. 3,006 335, 10–31–61, Cl. 126—191.
Keely, Clifford D., and R. J. Baisley, to General Corrugated Machinery Co., Inc. Mechanism for applying and pressing adhesive tape to perpendicularly related faces of traveling cartons. 2,999,342, 9–12–61, Cl. 53—66.
Keen, Harry J., and K. G. Sears, to Lavoie Laboratories, Inc. Temperature control system. 2,975,261, 3–14–61, Cl. 219—20.
Keen, James L., and J. W. Opie, to General Mills, Inc. Collection in flotation of sylvite. 3,009,575, 11–21–61, Cl. 209—166.
Keen, John M. S., to Rolls-Royce Ltd. Jet propulsion nozzles. 2,978,061, 4–4–61, Cl. 181—41.
Keen, John M. S., to Rolls-Royce Ltd. Variable area jet propulsion nozzles. 2,980,199, 4–18–61, Cl. 181—41.
Keen, John M. S., to Rolls-Royce Ltd. Jet nozzle for reaction propulsion with noise reducing means. 2,982,092, 5–2–61, Cl. 60—35.6.
Keen, John M. S., to Rolls-Royce Ltd. Variable area jet propulsion nozzles. 2,990,029, 6–27–61, Cl. 181—41.
Keen, William R., to Collins & Aikman Corp. Fur-effect fabrics and method of making same. 2,979,803, 4–18–61, Cl. 28—72.
Keenan, John D., Jr.: *See*—
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Sylvester, John D., Messmer, and Keenan. 2,987,106.
Keenan, Samuel M.: *See*—
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Keenan, Vincent J.: *See*—
Bonetti, Giovanni A., and Keenan. 2,986,576.
Keenan, Vincent J., to The Atlantic Refining Co. Process for bonding urethane polymers to rubber and adhesive therefor. 3,007,831, 11–7–61, Cl. 156—52.
Keene, Carl E. Shaft rotation to time interval transducer. 2,977,480. 3–28–61. Cl. 250—220.
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Elliott, Everett E. 2,991,680.
Keener, John, 33⅓% to George M. Clarkson, and 33⅓% to Gibson C. Holliday. Trailer hitch for a piggy-back railroad flat car. 2,967,492. 1–17–61, Cl. 105—368.
Keener, John, 33⅓% to G. M. Clarkson, and 33⅓% to G. C. Holliday. Fifth wheel adapter. 3,000,654. 9–19–61. Cl. 280—433.
Keeney, Donald H., to United States of America, Air Force. Inter-aircraft attaching mechanism. 3,013,743, 12–19–61, Cl. 244—3.
Keeney, William E., W. R. Berry, and A. L. Stock, to Westinghouse Electric Corp. Turbine apparatus. 2,978,223, 4–4–61, Cl. 253—39.
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Keetch, Robert C.: *See*—
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Keetch, Robert C., to General Motors Corporation. Pressure change responsive device. 2,983,287, 5–9–61, Cl. 137—781.
Keeve, Frank. Method and absorbent for removing hydrocarbon from automobile exhaust fumes. 2,970,886, 2–7–61, Cl. 23—2.
Kegg, Robert R., to Kimble Glass Co. Hermetic joint for glass cathode-ray tube envelope. 3,002,645, 10–3–61, Cl. 220—2.1.
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Keib, Heinz: *See*—
Schuller, Werner and W., Keib, and Hohlfeld. 3,008,183.
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Keil, Havard L., to Armour and Co. Coating foods and composition therefor. 2,971,849, 2–14–61, Cl. 99—166.
Keil, Helmut, K. Wagner, G. Feige, K. Söllner, and E. Rudiger, to VEB Werkzeugmaschinenfabrik. Automatic hydraulic positioning device for machine parts. 2,976,851, 3–28–61, Cl. 121—45.
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Keinzle Apparate G.m.b.H.: *See*—
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Stoddart, Wilbert E., Graeaser, Thompson, and Keir. 2,998,351.
Keirans, Joseph A.: *See*—
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Keiser, David H., Jr. Device for cutting or trimming grass and other growths. 3,007,245, 11–7–61, Cl. 30—248.
Keiser, Irving, to United States of America, Agriculture. Hand-operated insect aspirator. 2,992,770, 7–18–61, Cl. 230—160.
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Keisling, Charles A., and N. R. Stanley. Air compressor drain valve. 3,014,687, 12–26–61, Cl. 251—48.
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Keitel, Fritz-Gunther. Method of producing a well-keeping vegetable juice. 2,982,657, 5–2–61, Cl. 9—155.
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Keith, Arthur C.: *See*—
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Keith, Willis C., Burk, and Keith. 2,974,161.
Keith, Willis C. and C. D., and Burk. 2,981,751.
Teter, John W., Gring, and Keith. 2,973,245.
Keith, Carl D., to Engelhard Industries, Inc. Fractionation of alumina hydrates. 2,999,586, 9–12–61, Cl. 209—5.
Keith, Carl D., and J. J. Piros, to Sinclair Research Inc. Apparatus for testing the bridging strength of elongated solid particles. 3,014,365, 12–26–61, Cl. 73—100.
Keith, Charles E.: *See*—
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Keith, Clifford H., to The Mead Corp. Paperboard basket structure for fruit and the like. 2,969,903, 1–31–61, Cl. 229—16.
Keith, Clifford H., to The Mead Corp. Shipping case. 3,006,523, 10–31–61, Cl. 229—15.
Keith, John V., to Leesona Corp. Apparatus for draw-stretching and winding yarn. 2,990,603, 7–4–61, Cl. 28—71.3.
Keith, John V., and C. A. Steele, to Leesona Corp. Initial thread end snagger. 2,998,202, 8–29–61, Cl. 242—18.
Keith, Norval A., G. E. Koertge, L. J. Tranel, and T. F. Pauls, to Olin Mathieson Chemical Corp. Metal forming. 3,004,327, 10–17–61, Cl. 29—157.
Keith, Percival C., to Hydrocarbon Research, Inc. Eleveated fluidizing reactor. 2,995,426, 8–8–61, Cl. 23—288.
Keith, Percival C., and E. T. Layng, to Hydrocarbon Research, Inc. Removal of sulfur and metals from heavy oils by hydro-catalytic treatment. 2,987,467, 6–6–61, Cl. 208—97.
Keith, Willis C., to Sinclair Refining Co. Preparation of benzene carboxylic acids. 2,998,448, 8–29–61, Cl. 260—523.
Keith, Willis C., R. H. Elkins, and R. R. Chambers, to Sinclair Refining Co. Process of producing C_3H_4 aliphatic hydrocarbons and ethylene from propylene. 2,973,395, 2–28–61, Cl. 260—678.
Keith, Willis C., E. H. Burk, Jr., and C. D. Keith, to Sinclair Refining Co. Olefin oxidation with a solid calcined catalyst. 2,974,161, 3–7–61, Cl. 260—491.
Keith, Willis C. and C. D., and E. H. Burk, Jr., to Sinclair Refining Co. Oxidation with a calcined solid catalyst. 2,981,751, 4–25–61, Cl. 260—524.
Keithahn, Julian D.: *See*—
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Keithahn, Julian D., to Baker Oil Tools, Inc. Tubing control valve apparatus. 2,974,922, 3–14–61, Cl. 251—77.
Keithahn, Julian D., to Baker Oil Tools, Inc. Friction drag devices. 2,975,837, 3–21–61, Cl. 166—241.
Keithahn, Julian D., to Baker Oil Tools, Inc. Subsurface safety shut-off valve apparatus. 2,998,077, 8–29–61, Cl. 166—226.
Keithley, Joseph F., and M. L. Sands. Microphone for the measurement of transient pressures in a body of water. 2,979,691, 4–11–61, Cl. 340—12.

Kelzer, Eugene O., and L. L. Burns, Jr., to Radio Corp. of America. Color television receiver signal transfer system. 2,989,581, 6–20–61, Cl. 178—5.4.

Kekilkian, Daniel A. Punch device. 2,981,006, 4–25–61, Cl. 33—191.

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Kelco Co.: *See*—
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McNeely, William H. 2,979,499.
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Miller, Aaron, and Corley. 2,992,188.
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Kelcourse, Charles J.: *See*—
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Kelem, Howard. Machine for tying casings. 2,972,747, 2–28–61, Cl. 1—95.

Kelem, Howard. Casing tie and making same. 2,972,791, 2–28–61, Cl. 24—30.5.

Kelemen, Denis G., to E. I. du Pont de Nemours and Co. Production of silicon. 2,985,519, 5–23–61, Cl. 23—301.

Kelemen, Leslie A. Electrically warmed mats or matting. 2,973,425, 2–28–61, Cl. 219—46.

Kelgard, Erik, to Nordberg Mfg. Co. Method of operating dual fuel engines. 2,994,187, 8–1–61, Cl. 60—13.

Kell, Nathaniel B., to General Motors Corp. Brake adjuster. 3,003,592, 10–10–61, Cl. 188—79.5.

Kell, Ray D., to Radio Corp. of America. Delay-compensated indexing system. 2,967,210, 1–3–61, Cl. 178—5.4.

Kellberg, Theodore R. Switch and outlet box clamp. 2,970,713, 2–7–61, Cl. 220—3.6.

Kelleher, John E. Electrical outlet leveler. 2,980,756, 4–18–61, Cl. 174—57.

Keller, Adrian D. Compass. 2,983,048, 5–9–61, Cl. 33—27.

Keller, Arthur G., and W. J. Zimmerman, to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College. Apparatus for separating mixtures of coarse and fine materials. 3,011,220, 12–5–61, Cl. 19—7.

Keller, Dan W., to Calumet Mfg. Co. Processing basket. 3,005,396, 10–24–61, Cl. 95—100.

Keller, Daniel F.: *See*—
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Keller, Daniel F. Means for dumping low bed semi-trailer trucks. 3,011,827, 12–5–61, Cl. 298—20.

Keller, Ernst: *See*—
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Keller, Ernst, P. Hindermann, and J.-P. Jung, to Ilford Ltd. Colour photography. 3,002,964, 10–3–61, Cl. 260—187.

Keller, Fred: *See*—
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Keller, Fred, and E. C. Franz, to Aluminum Co. of America. Degassing aluminum articles. 2,995,478, 8–8–61, Cl. 148—11.5.

Keller, George G. Universally adjustable work holder and drill jig fixture. 2,991,668, 7–11–61, Cl. 77—62.

Keller, Harold F., and J. E. McCoskey, to Westinghouse Electric Corp. Blade locking structure. 2,994,507, 8–1–61, Cl. 253—77.

Keller, Heinz, R. Brodt, and K. Lampatzer, to Parker Rust Proof Co. Heat resistant phosphate coatings, methods and articles produced therefrom. 2,979,430, 4–11–61, Cl. 148—6.15.

Keller, Herman, to The Bendix Corp. Electrical connector. 2,967,288, 1–3–61, Cl. 339—258.

Keller, James P., H. G. Schutze, and A. T. Watson, to Esso Research and Engineering Co. Production of cyclic hydrocarbons. 3,005,855, 10–24–61, Cl. 260—673.

Keller, John A.: *See*—
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Keller, John A., to Phillips Petroleum Co. Bonding agent for composite type propellant. 2,978,308, 4–4–61, Cl. 52—.5.

Keller, John D., to Harbison-Walker Refractories Co. Expansion and contraction control of refractory furnace roofs. 2,994,288, 8–1–61, Cl. 110—99.

Keller, John D. Recuperators. 3,007,681, 11–7–61, Cl. 257—313.

Keller, John R., and R. R. Kelly, to Clever Things Inc. Illuminated hat. 2,978,696, 4–4–61, Cl. 340—366.

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Keller, Oscar, and N. Steiger, to Hoffmann-La Roche Inc. Anilinobenzoquinone derivatives. 2,970,152, 1–31–61, Cl. 260—396.

Keller, Ralph E., to Jackson Vibrators, Inc. Tie and rail raising and tamping machine. 2,996,016, 8–15–61, Cl. 104—12.

Keller, Ralph E., to Kalamazoo Mfg. Co. Spike driving apparatus. 2,989,927, 6–27–61, Cl. 104—17.

Keller, Richard: *See*—
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Keller, Richard, to Olympia Werke A.G. Stop mounting arrangement for typewriter line spacing devices. 2,992,719, 7–18–61, Cl. 197—114.

Keller, Richard, and K. Quest, to Dr. B. Kaiser, and Dr. E. Pauls. Method and device for sterile racking hot beverages containing carbon dioxide, especially beer. 2,973,267, 2–28–61, Cl. 99—49.

Keller, Robert C., to Sandoz Ltd. Leveling and stripping agents. 2,967,755, 1–10–61, Cl. 8—84.

Keller, Robert C., to Fidelity Union Trust Co. Flotation agent for the purification of waste waters from the paper and cellulose industries. 2,989,471, 6–20–61, Cl. 252—61.

Keller, Robert G. Combined label and rust inhibitor. 2,982,040, 5–2–61, Cl. 40—306.

Keller, Robert G. Combined folding box and article support. 2,993,633, 7–25–61, Cl. 229—33.

Keller, Robert R. Light-diffusing structural panels. 2,981,382, 4–25–61, Cl. 189—34.

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Müller, Erich. 2,990,932.

Keller, Seymour P., to International Business Machines Corp. Infrared stimulable phosphors. 2,979,467, 4–11–61, Cl. 252—301.4.

Keller, Theodore W., C. W. Garvin, and J. G. McMillan, to Howard Plastics, Inc. Process of coating a polyethylene substrate with a vinylidene coating and resultant article. 2,968,576, 1–17–61, Cl. 117—47.

Keller, Thomas C., to The Timken Roller Bearing Co. Safety lubricating and alarm device. 2,994,566, 8–1–61, Cl. 308—1.

Keller, Wayne H.: *See*—
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Keller, William F., to General Controls Co. Automatic defrost control for refrigerators or heat pump systems. 3,004,399, 10–17–61, Cl. 62—140.

Keller, Wolfgang: *See*—
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Keller, Wolfgang, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for floating-zone melting of semiconductor rods. 2,992,311, 7–11–61, Cl. 219—10.77.

Kellerman, Raymond J., to Uni-Matic, Inc. Device for removing and replacing universal joint bearings. 3,008,226, 11–14–61, Cl. 29—201.

Kellersman, Robert: *See*—
Ine, Frank H., and Kellersman. 2,977,600.

Kellett, Louise C.: *See*—
Pruitt, Aubrey J., Butler, and Kellett. 3,010,483.

Kelley, Arnold E.: *See*—
Deering, Roland F., Dhondt, Hunt, Kelley, and Welsh. 2,980,592.
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Kelley, Arnold E., to Union Oil Co. of California. Process and apparatus for bituminous sand treatment. 2,980,600, 4–18–61, Cl. 208—11.

Kelley, Athol A.: *See*—
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Kelley, Bartram, to Bell Aerospace Corp. Dephased accelerometer. 3,010,679, 11–28–61, Cl. 244—17.13.

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Kelley, Dale T., and R. G. Peterson, to Motorola, Inc. Semiconductor device and method of making the same. 2,981,875, 4–25–61, Cl. 317—235.

Kelley, Daniel J.: *See*—
Winston, Adolph A., and Kelley. 2,973,272.

Kelley, Edward L., and E. D. Piper. Rotary grill. 3,012,496, 12–12–61, Cl. 99—423.

Kelley, Floyd C., to General Electric Co. Methods for producing titanium-clad metal. 2,993,269, 7–25–61, Cl. 29—424.

Kelley, Forrest H. Precision pipe advancement mechanism for bending machine. 3,009,508, 11–21–61, Cl. 153—48.

Kelley, Frantz L. Rafter cutting jig. 2,994,351, 8–1–61, Cl. 143—175.

Kelley, Fred W., Jr.: *See*—
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Kelley, Garrett P., to Kelley Co., Inc. Adjustable dockboard. 2,974,336, 3–14–61, Cl. 14—71.

Kelley, George J., to General Electric Co. Flux control system for multi-legged magnetic cores. 2,969,523, 1–24–61, Cl. 340—174.

Kelley, George S., to Curtiss-Wright Corp. Coolant injection system for engines. 2,974,482, 3–14–61, Cl. 60—39.3.

Kelley, Henry L., to Chadbourn Gotham, Inc. Article collection means and method. 2,994,561, 8–1–61, Cl. 302—12.

Kelley, Joseph M., Jr.: *See*—
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Leary, Robert F., Bowman, and Kelley. 2,976,252.
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Drennen, Thomas J., and Kelley. 2,999,038.

Kelley, Oliver K.: *See*—
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Winchell, Frank J., and Kelley. 3,010,278.

Kelley, Oliver K., to General Motors Corp. Hydrokinetic torque converter and gearing. Re. 24,947, 3–14–61, Cl. 74—677.

Kelley, Oliver K., to General Motors Corp. Vehicle brake and transmission fluid actuating and cooling system. 2,968,379, 1–17–61, Cl. 192—4.

Kelley, Oliver K., to General Motors Corp. Automotive vehicle. 2,972,498, 2–21–61, Cl. 296—28.

Kelley, Oliver K., to General Motors Corp. Accessory drives. 2,981,122, 4–25–61, Cl. 74—472.
Kelley, Oliver K., to General Motors Corp. Four phase converter drive. 2,981,124, 4–25–61, Cl. 74—677.
Kelley, Oliver K., to General Motors Corp. Power shifting multi-step transmissions. 2,981,126, 4–25–61, Cl. 74—731.
Kelley, Oliver K., to General Motors Corp. Transmissions. 2,995,955, 8–15–61, Cl. 74—677.
Kelley, Oliver K., to General Motors Corp. Hydrodynamic torque converters and controls therefor. 2,999,400, 9–12–61, Cl. 74—645.
Kelley, Oliver K., to General Motors Corp. Cross drive for heavy vehicles. 3,010,342, 11–28–61, Cl. 74—710.5.
Kelley, Oliver K., and G. K. Hause, to General Motors Corp. Parking brake actuating mechanism. 2,995,215, 8–8–61, Cl. 188—72.
Kelley, Oliver K., and D. T. Lewis, to General Motors Corp. Infinitely variable ratio transmission. 3,006,206, 10–31–61, Cl. 74—190.5.
Kelley, Oliver K., G. K. Hause, and C. C. Wrigley, to General Motors Corp. Windshield cleaning apparatus. 3,008,171, 11–14–61, Cl. 15—250.04.
Kelley, Roland T., to Esso Research and Engineering Co. Control of degree of conversion. 2,974,126, 3–7–61, Cl. 260—80.7.
Kelley, Roland T., J. E. Walker, and B. R. Tegge, to Esso Research and Engineering Co. Treating recycle gas. 3,005,808, 10–24–61, Cl. 260—85.3.
Kelley, Roland T., A. D. de Vries, J. D. James, and J. E. Walker, to Esso Research and Engineering Co. Recovery of high purity isoprene from light steam cracked distillate. 3,012,947, 12–12–61, Cl. 202—39.5.
Kellher, Maurice G., J. C. Nygard, B. G. E. Stiff, and L. E. Wilson, Jr., to High Voltage Engineering Corp. Waveguide structure for microwave linear electron accelerator. 2,993,143, 7–18–61, Cl. 315—39.
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Kellogg, George E., and R. H. Bauman, to General Motors Corp. Brake booster unit casing. 2,969,046, 1–24–61, Cl. 121—48.
Kellogg, George E., and C. R. Kenrick, to General Motors Corp. Brake pedal return. 3,010,772, 11–28–61, Cl. 309—20.
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Kelly, Arthur W., Jr., and Pfeiffer. 3,012,082.
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Patton, James L., Stanford, and Bednars. 3,007,862.
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Schwarzenbek, Eugene F. 2,989,489.
Slyngstad, Charles E., Nathan, and Nagy. 2,994,659.
Stanford, George W., and Patton. 2,969,316.
Weil, Nicholas A. 2,967,352.
Kellogg, Ray R., to Aerojet-General Corp. Shut-off valve. 3,001,365, 9–26–61, Cl. 60—39.09.
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Kelly, Arthur, to The B. F. Goodrich Co. Vented rubberized fabric article and method of making same. 2,973,799, 3–7–61, Cl. 154—14.
Kelly, Arthur W., Jr., and R. W. Pfeiffer, to The M. W. Kellogg Co. Method of supplying gaseous material. 3,012,082, 12–5–61, Cl. 260—680.
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Kelly, Edgar J. Apparatus for producing flavor constituents. 2,992,978, 7–18–61, Cl. 202—160.
Kelly, George D., to United States of America, Air Force. Infrared-transmitting antimony sulfide glass. 3,002,842, 10–3–61, Cl. 106—47.
Kelly, Gerard W. Electrical quiz and game device. 2,997,793, 8–29–61, Cl. 35—9.
Kelly, Gordon E., to Radio Corp. of America. Crystal oscillator with reactance tube control used in color television receiving apparatus. 2,985,849, 5–23–61, Cl. 332—26.
Kelly, Gordon E., to Radio Corp. of America. Phase shifting circuit arrangements. 3,007,999, 11–7–61, Cl. 178—5.4.
Kelly, Gordon E., and W. P. Iannuzzi, to Radio Corp. of America. Frequency control and color killer for television. 2,971,050, 2–7–61, Cl. 178—5.4.
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Martin, Eugene C., and Kelly. 2,981,730.
Kelly, John. Strip camera and timer and photographs produced thereby. 3,012,840, 12–12–61, Cl. 346—107.
Kelly, John C. R., Jr., to United States of America, Navy. Gun barrel liner. 2,975,677, 3–21–61, Cl. 89—16.
Kelly, John E., to Lamb-Grays Harbor Co., Inc. Conveyor. 2,990,939, 7–4–61, Cl. 198—108.
Kelly, John J., 50% to J. J. Millison. Combination sewing template and clamp. 2,986,390, 5–30–61, Cl. 269—102.
Kelly, Joseph H. Method of preparing a fowl wing. 2,992,924, 7–18–61, Cl. 99—107.
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Kelly, Thomas J.: *See*—
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Kelly, William A., and H. D. Hamilton, to Lever Bros. Co. Soapmaking process. 2,970,116, 1–31–61, Cl. 252—368.
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Carolin, Edward R. 3,004,797.
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Gollwitzer, George E. 2,999,409.
Henry, Augustus P. 2,969,773.
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Henry, Augustus P. 3,004,561.
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Klavon, Joseph A., Jr. 2,999,527.
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Stelzer, William. 2,977,133.
Stelzer, William. 2,980,068.
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Stelzer, William. 2,985,143.
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Stelzer, William. 2,985,489.
Stelzer, William. 2,989,033.
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Stelzer, William. 2,990,917.
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Kemart Corp.: *See*—
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Kemble, Percy R., to United States of America, Navy. Expansible plug. 2,996,214, 8–15–61, Cl. 220—24.5.

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Kemnitz, Warren N., to General Electric Co. Pushing or pulling arrangement for a mobile vacuum cleaner. 2,974,344, 3–14–61, Cl. 15—327.

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Kemp, Paul C., and R. C. Sias, to Continental Oil Co. Preparation of basic barium sulfonates in a non-volatile solvent. 2,982,726, 5–2–61, Cl. 252—18.

Kemp, William P., and J. Johnston, to Thorium Ltd. Process for the separation of thorium and rare earths from monazite. 2,988,421, 6–13–61, Cl. 23—14.5.

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Kemper, Maxwell F. Apparatus for driving tunnels. 2,997,853, 8–29–61, Cl. 61—85.

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Kumin, Victor M., and Hollister. 2,970,882.
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Kendall, Fred E. Stencil means and manufacture thereof. 2,969,732, 1–31–61, Cl. 101—128.3.

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Kendall, Hugh C., to General Railway Signal Co. Electronic code responsive system. 2,982,818, 5–2–61, Cl. 178—17.5.

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Ferguson, Lester R. 3,000,577.
Kennedy, Verne C., Jr., to Streeter-Amet Co. Punch tape recorder. 2,981,587, 4–25–61, Cl. 346—93.
Kennedy, Wallace M.: *See*—
Fox, Harold E., and Kennedy. 3,013,442.
Kennedy, Walter L., Sr. Fuel injector. 2,995,349, 8–8–61, Cl. 261—41.
Kennedy, William J.: *See*—
Walton, John R., Allen, and Kennedy. 3,011,291.
Kennedy, William J., and S. F. Hostetler, to Textron Inc. Lens surfacing machine. 2,977,724, 4–4–61, Cl. 51—124.
Kennedy, William P. Adjustable pattern irrigation sprinkling device. 2,999,643, 9–12–61, Cl. 239—97.
Kennedy, William P. Cam controlled pattern impulse sprinkler. 2,999,645, 9–12–61, Cl. 239—230.
Kennel, John M., and M. Miller. Eddy current detector. 2,981,184, 4–25–61, Cl. 102—18.
Kennel, William E., E. Field, C. A. Spiller, and G. H. Weisemann, to Standard Oil Co. Polyethylene production with solid catalyst. 2,973,350, 2–28–61, Cl. 260—94.9.
Kennell, Franklin B. Burglar alarm for automobiles. 2,984,820, 5–16–61, Cl. 340—65.
Kennelly, Patrick J.: *See*—
Slater, Frank E., and Kennelly. 2,983,399.
Kennemer, Robert E., J. A. Immel, R. B. Cambron, and J. S. Barton, to Caterpillar Tractor Co. Grooved cylinder liner for reduced ring groove wear. 2,971,802, 2–14–61, Cl. 309—2.
Kenney, Charles V. Baby stroller. 3,010,731, 11–28–61, Cl. 280—9.
Kenney, Harold E.: *See*—
Weaver, Elmer A., and Kenney. 2,989,439.
Kenney, James T., to Idevel Corp. Prestressed pipe. 3,005,469, 10–24–61, Cl. 138—176.
Kenney, Joseph F.: *See*—
Clay, Franklin B., Jr., Kenney, Kidder, and Vandenberg. 2,999,767.
Kenney Mfg. Co.: *See*—
Cameron, Warren B. S., and Williamson. 2,982,539.
Schoos, Maurice A. 2,973,870.
Kenney, Stanhope S. Window construction and control. 3,001,250, 9–26–61, Cl. 20—62.
Kenney, William D., to Columbus Iron Works Co., Southern Plow Co. Division. Land surface preparation machine for surface shaping a cultivatable field. 2,994,143, 8–1–61, Cl. 37—155.
Kenney, William H. Nail free wall form assembly device. 3,007,221, 11–7–61, Cl. 25—131.
Kennon, John B., ½ to Charles E. Wright. Electrical testing devices for detecting and locating faults in circuits. 2,974,278, 3–7–61, Cl. 324—52.
Kennon, Patrick A. R. Automatic car servicing device. 2,987,359, 6–6–61, Cl. 312—234.
Kenny, Morris, to Acoustica Associates, Inc. Transducer assembly. 2,990,482, 6–27–61, Cl. 310—9.1.
Kenny, Vincent, to Union Oil Co. of California. Desulfurizing hydrocarbons with lead oxide-clay mixtures. 2,988,499, 6–13–61, Cl. 208—197.
Kenrick, Charles R.: *See*—
Kellogg, George E., and Kenrick. 3,010,772.
Kenrick & Jefferson Ltd.: *See*—
Gibbon, James. 2,971,689.
Kent, Alfred W., and P. A. Bentley, to The Bentley Engineering Co. Ltd. Fabric tensioning devices for knitting machines. 3,003,342, 10–10–61, Cl. 66—150.
Kent, Allen H. Miniature phonograph, particularly for use in doll bodies. 2,982,552, 5–2–61, Cl. 274—1.
Kent, Allen H., to Minitone, Inc. Battery operated pencil sharpener. 3,004,522, 10–17–61, Cl. 120—96.
Kent Corp., The: *See*—
Fiege, Martin E. 3,012,678.
Kent, Earle L., to C. G. Conn, Ltd. Wind instrument of the cup mouthpiece type. 2,987,950, 6–13–61, Cl. 84—388.
Kent, Evelyn M. Document sorting device. 3,008,582, 11–14–61, Cl. 211—11.
Kent, Francis J., to Baldwin-Lima-Hamilton Corp. Loading apparatus. 2,985,320, 5–23–61, Cl. 214—1.
Kent, Francis J., and O. Hammon, to Baldwin-Lima-Hamilton Corp. Mandrel lubricating device. 2,988,2111, 6–13–61, Cl. 207—1.
Kent, Frederick J., and J. J. Sedlacsik; said Kent assor. to Interplanetary Research & Development Corp. Electrostatic sprayer. 3,011,472, 12–5–61, Cl. 118—626.
Kent, Hans F. Stamp pads. 3,009,440, 11–21–61, Cl. 118—264.
Kent, Henry J., to General Precision, Inc. Stator and integral coil support means for precision electrical devices. 2,970,237. 1–31–61, Cl. 310—260.
Kent, Howard. Corrugated flexible wave guide. 2,986,713, 5–30–61, Cl. 333—95.
Kent, Jay E. Key attachment. 2,982,041, 5–2–61, Cl. 40—330.
Kent, John C., to Minneapolis-Honeywell Regulator Co. Electrical apparatus for storing digital information. 3,012,231, 12–5–61, Cl. 340—174.
Kent, Larry, and T. W. Norum. Vibrating bar type musical instrument having strikers. 2,971,424, 2–14–61, Cl. 84—404.
Kent Mfg. Corp.: *See*—
Batcheller, Hugh W. 2,982,329.
Batcheller, Hugh W. 2,996,026.
Kent, Melvin L.: *See*—
Budzich, Tadeusz, and Kent. 3,001,360.

Kent-Moore Organization, Inc.: *See*—
Lanham, James S., and Umbarger. 3,002,377.
Kent, Nelson H., to Rolls-Royce Ltd. Turbine and compressor blades. 2,972,182, 2–21–61, Cl. 29—156.8.
Kent, Preben, to Clary Corp. Butterfly valve. 2,988,320, 6–13–61, Cl. 251—174.
Kent, Raymond: *See*—
Nielsen, Olaf, Viola, and Kent. 2,980,377.
Kent, Stephen D., and S. P. Crane. Dished polishing buff. 3,007,289, 11–7–61, Cl. 51—195.
Kenton, Joseph R., to Standard Oil Co. Solvent extraction of water-immiscible, oil-soluble alcohols with liquid hexanetriol. 2,979,520, 4–11–61, Cl. 260—450.
Kentucky Research Foundation: *See*—
Gildart, Lee W., and Powell. 2,968,014.
Kenville, Max K.: *See*—
Kenville, Roy H. and M. K. 2,979,004.
Kenville, Roy H. and M. K. Stock lifter for use with dies. 2,979,004, 4–11–61, Cl. 113—42.
Kenworthy, Lester A., to The Glidden Co. Method for purifying titanium sulfate solutions. 3,001,854, 9–26–61, Cl. 23—117.
Kenyon, Allen S.: *See*—
Salyer, Ival O., and Kenyon. 2,985,617.
Salyer, Ival O., Kenyon, and Holladay. 3,009,206.
Kenyon, Clark: *See*—
Luks, Daniel W., and Kenyon. 2,982,664.
Kenyon Laboratories, Inc.: *See*—
Kenyon, Theodore W., and Pallme. 3,006,197.
Kenyon, Leon C., Jr.: *See*—
Ross, James F., Tegge, and Kenyon. 2,980,742.
Kenyon, Paul A. Hanger assembly. 2,972,460, 2–21–61, Cl. 248—62.
Kenyon, Paul A. Hanger assembly. 2,979,298, 4–11–61, Cl. 248—62.
Kenyon, Roger B., to Eastman Kodak Co. Decorative sheeting and method for its manufacture. 2,975,486, 3–21–61, Cl. 18—57.
Kenyon, Theodore W., to Aeroflex Laboratories Inc. Gyro vertical constructions. 3,014,376, 12–26–61, Cl. 74—5.4.
Kenyon, Theodore W., and E. H. Pallme, to Kenyon Laboratories, Inc. Stabilizing instrument. 3,006,197, 10–31–61, Cl. 74—5.22.
Kenyon, Walter W., to Millipore Filter Corp. Fluid sampling device. 3,010,583, 11–28–61, Cl. 210—406.
Keonjian, Edward, to General Electric Co. Temperature compensated voltage regulator. 2,983,863, 5–9–61, Cl. 323—69.
Keough, Patricia A.: *See*—
Grayson, Martin, and Keough. 3,005,013.
Kepkay, Leslie L.: *See*—
Horne, Donald S., Ashton, and Kepkay. 2,999,347.
Horne, Donald S., Ashton, and Kepkay. 2,999,556.
Kepler, Donald A. Weighted hook with dual eyes. 2,989,817, 6–27–61, Cl. 43—42.39.
Keppel, Ernst, to Joh. Vaillant, K.G. Water-flow gas control device. 2,972,445, 2–21–61, Cl. 236—25.
Kerber, Stanley M., G. M. Randall, and D. F. Zemke, to North American Aviation, Inc. Duomode microwave radiation system. 2,980,911, 4–18–61, Cl. 343—779.
Kerby, John L.: *See*—
Griffiths, Kenneth F. 3,005,691.
Kerker, William C., to Union Bag-Camp Paper Corp. Method of closing bag tube ends. 2,987,858, 6–13–61, Cl. 53—27.
Kerley, James J., Jr., R. G. Hartenstein, R. M. Sando, and M. F. Valentia, to Westinghouse Electric Corp. Vibration and shock isolator. 2,972,459, 2–21–61, Cl. 248—20.
Kerley, Robert V. Multiple orifice flow control device. 2,994,344, 8–1–61, Cl. 137—556.
Kerlie, Walter L., to United States Steel Corp. Method of making steel. 2,993,781, 7–25–61, Cl. 75—52.
Kermagoret, Marcel: *See*—
Gouyon, Arthur M., Kermagoret, and Pascal. 2,994,782.
Kermode, Alfred F., to United States of America, Air Force. Pylon tow equipment for "dart" target. 2,990,164, 6–27–61, Cl. 258—1.2.
Kern, Dale W., and C. Taggart, to Riegel Textile Corp. Tubular woven cotton pick sack and method of forming same. 2,972,799, 2–28–61, Cl. 28—74.
Kern, Emil: *See*—
Schubert, Fritz, and Kern. 3,009,924.
Kern, Frank, Jr., and C. Stang, Jr., to Maxitrol Co. Pressure regulator. 2,979,067, 4–11–61, Cl. 137—15.
Kern, Fritz, to Ciba Ltd. Process for the production of metallic niobium or tantalum by an electrolytic method. 2,981,666, 4–25–61, Cl. 204—64.
Kern, Fritz, and W. Schornstein, to Ciba Ltd. Process for separating niobium and tantalum from each other. 2,976,114, 3–21–61, Cl. 23—17.
Kern, Josef: *See*—
Gunther, Hermann, and Kern. 2,987,914.
Kern, Luther N., to General Motors Corp. Internal bleeder for vehicle brake. 2,968,372, 1–17–61, Cl. 188—264.
Kern, Paymond T., Jr.: *See*—
Gottshall, Ralph I., and Kern. 2,975,133.
Kern, Rudolf: *See*—
Lautsch, Willy, and Kern. 2,969,409.
Kern, Rudolf, H. Scheurer, and G. Ultsch, to Rhein-Chemie G m b.H. Anti-tack composition. 3,002,840, 10–3–61, Cl. 106—2.
Kern, Thomas W.: *See*—
Gaddy, William L. 3,012,252.
Kernen, Hans. Lifting jack. 2,974,930, 3–14–61, Cl. 254—102.
Kerns, Fred R., and R. R. Mease, to The Electric Storage Battery Co. Automatic transfer machine. 3,005,535, 10–24–61, Cl. 198—33.
Kerns, Gordon D.: *See*—
Gordon, Moses, and Kerns. 2,974,095.
Kerns, Quentin A., to United States of America, Atomic Energy Commission. Optical transcribing oscilloscope. 3,001,847, 9–26–61, Cl. 346—33.
Kerpel, Julius A.: *See*—
Coleman, Richard L., Cecil, and Kerpel. 2,980,998.
Kerr, Charles E., to Food Machinery and Chemical Corp. Case packing machine. 2,993,316, 7–25–61, Cl. 53—62.
Kerr, Charles, Jr., to Westinghouse Electric Corp. Rectifier apparatus. 3,001,121, 9–19–61, Cl. 321—8.
Kerr, Donald R., to A. J. Torrey. Sand spreading mechanism with reversible conveyer. 2,988,368, 6–13–61, Cl. 275—8.
Kerr, Edwin R., and M. C. Throckmorton, to Texaco Inc. Preparation of esters. 3,014,066, 12–19–61, Cl. 260—497.
Kerr, Fred S., to Holley Carburetor Co. Ignition contact set, 2,997,553, 8–22–61, Cl. 200—30.
Kerr, George T.: *See*—
Fox, Harry A., Jr., Kerr, and Zimmerman. 3,012,050.
Johnson, George C., and Kerr. 2,971,824.
Kerr, George T., to Socony Mobil Oil Co., Inc. Process for the manufacture of carbonyl sulfide. 2,983,580, 5–9–61, Cl. 23—203.
Kerr, Glenn W.: *See*—
Gable, Howard S., and Kerr. 2,944,361.
Kerr, Jack D., and R. F. Ryan, to The Dow Chemical Co. Clarification of aqueous organic suspensions. 3,009,873, 11–21–61, Cl. 210—53.
Kerr Mfg. Co.: *See*—
Moulds, Francis G. 2,983,047.
Kerr-McGee Oil Industries, Inc.: *See*—
Brinkmann, Emile J., Jr. 3,000,185.
Garwin, Leo. 2,967,818.
Garwin, Leo. 2,980,602.
Garwin, Leo. 3,003,945.
Garwin, Leo. 3,003,946.
Garwin, Leo. 3,003,947.
Garwin, Leo. 3,005,769.
Goren, Mayer B. 2,992,892.
Goren, Mayer B., and Marquardt. 2,995,433.
Hazen, Wayne C., and Henrickson. 2,992,894.
Hazen, Wayne C., and Henrickson. 2,994,580.
Pickell, Marion W. 2,993,800.
Wolff, Paul A. 2,966,994.
Wolff, Paul A. 3,011,317.
Kerr, Ralph W., to Corn Products Co. Method of making dextrose using purified amyloglucosidase. 2,967,804, 1–10–61, Cl. 195—66.
Kerr, Ralph W., to Corn Products Co. Method of making dextrose using purified amyloglucosidase. 2,970,086, 1–31–61, Cl. 195—66.
Kerr, Ralph W., E. F. Paschall, and W. H. Minkema, to Corn Products Co. Method of producing gelling starch of high clarity. 2,967,178, 1–3–61, Cl. 260—233.5.
Kerris, Wolfram E. K.: *See*—
Braun, Wolfgang G., and Kerris. 2,975,368.
Kerry, Thomas H., to Rolls-Royce Ltd. Aircraft gas-turbine power plant installation. 2,978,209, 4–4–61, Cl. 244—54.
Kerry, Thomas H., to Rolls-Royce Ltd. Aircraft with vertical lift engines and deflecting intakes therefor. 2,997,257, 8–22–61, Cl. 244—23.
Kerry, Thomas H., to Rolls-Royce Ltd. Cooling means for forked exhaust ducts of gas turbine engines. 3,003,316, 10–10–61, Cl. 60—39.66.
Kerry, Thomas H., and P. A. Ward, to Rolls-Royce Ltd. Air intake for power plant of supersonic aircraft. 3,013,385, 12–19–61, Cl. 60—35.6.
Kerschner, Paul M., and A. I. Meyers, to Cities Service Research and Development Co. Cyclopropane tricarboxylic acid ester lubricants. 3,010,990, 11–28–61, Cl. 260—468.
Kerschner, Paul M., and B. Greenwald. Carbon functional organo-siloxane fluoroesters. 3,014,056, 12–19–61, Cl. 260—448.2.
Kersey, Albert H., and F. D. Cooper, to Ford Motor Co. Hydraulic system for tractors. 3,002,571, 10–3–61, Cl. 172—9.
Kersh, Ronald C. Mixing and dispensing device. 2,971,825, 2–14–61, Cl. 23—272.7.
Kershaw, Delmar D., to General Electric Co. Fluorescent lamp dimming circuit. 3,003,079, 10–3–61, Cl. 315—97.
Kershaw Mfg. Co., Inc.: *See*—
Kershaw, Royce G. 2,986,100.
Kershaw, Royce G. 3,005,274.
Kershaw, Royce G., to Kershaw Mfg. Co., Inc. Railway crosstie detector. 2,986,100, 5–30–61, Cl. 104—12.
Kershaw, Royce G. Apparatus for raising railroad tracks. 2,990,786, 7–4–61, Cl. 104—7.
Kershaw, Royce G. Apparatus for scarifying a railroad roadbed. 2,991,988, 7–11–61, Cl. 262—8.
Kershaw, Royce G., to Kershaw Mfg. Co., Inc. Apparatus for removing ballast from between crossties. 3,005,274, 10–24–61, Cl. 37—104.
Kershenbaum, George: *See*—
Fleming, Ronald F., and Kershenbaum. 3,010,725.
Kershner, Richard B., to United States of America, Navy. Stabilizers for jet-propelled vehicles. 2,969,017, 1–24–61, Cl. 102—50.

Kershner, Richard B., to United States of America, Navy. Pin erector. 2,977,880, 4–4–61, Cl. 102—50.
Kershner, Richard B., and F. H. Swaim, to United States of America, Navy. Pre-boost control device for aerial missiles. 2,995,319, 8–8–61, Cl. 244—14.
Kersker, Theodore M.: *See*—
Gay, Clarence R., and Kersker. 2,991,817.
Gay, Clarence R., and Kersker. 2,991,818.
Kerst, Donald W., and D. F. Brower, to General Dynamics Corp. Coupling device. 2,976,444, 3–21–61, Cl. 313—62.
Kersten, William H., and R. Polan, to The Parker Pen Co. Writing instrument. 3,004,520, 10–17–61, Cl. 120—42.03.
Kerstetter, Donald R., and E. S. Wennin, to Sylvania Electric Products Inc. Application of strip coating to cathode. 2,986,671, 5–30–61, Cl. 313—346.
Kersting, Adolf, to Farbenfabriken Bayer Aktiengesellschaft. Process for the purification of polyamides. 2,978,439, 4–4–61, Cl. 260—78.
Kerstner, Otto S., to North American Aviation, Inc. Adjustable grooved fixture. 3,014,594, 12–26–61, Cl. 211—41.
Kerver, John K., to Jersey Production Research Co. Method and apparatus for releasing stuck drill pipe. 2,998,067, 8–29–61, Cl. 166—46.
Kerwin, James F.: *See*—
Georgian, Vlasios, Kerwin, and Wolff. 2,983,736.
Georgian, Vlasios, Kerwin, and Wolff. 3,007,922.
Kerwin, James F., and M. E. Wolff, to Smith Kline & French Laboratories. 11,18-lactone steroid compounds. 2,975,174, 3–14–61, Cl. 260—239.57.
Kerwin, James F., and M. E. Wolff, to Smith Kline & French Laboratories. 18-oxygenated pregnanes. 2,982,767, 5–2–61, Cl. 260—239.55.
Kerwin, James F., and M. E. Wolff, to Smith Kline & French Laboratories. Process for preparing steroidal lactones. 2,989,526, 6–20–61, Cl. 260—239.57.
Kerwin, James F., and M. E. Wolff, to Smith Kline & French Laboratories. Process and intermediates for preparing steroidal 17→18 lactones. 3,004,965, 10–17–61, Cl. 260—239.5.
Kerwin, James F., and M. E. Wolff, to Smith, Kline & French Laboratories. Process for the preparation of 3-ketoΔ-17, 18-steroidal lactones and novel steroid intermediates. 3,006,915, 10–31–61, Cl. 260—239.5.
Keryluk, Horace T., and T. Kyryluk, to Minnesota Mining and Mfg. Co. Fluid mixing and applying apparatus and method. 2,970,773, 2–7–61, Cl. 239—142.
Kes, William, and J. J. Okrent, to Hazeltine Research, Inc. Gasket for electric equipment. 2,974,183, 3–7–61, Cl. 174—35.
Kesecker, Woodrow W. Snow remover. 2,977,695, 4–4–61, Cl. 37—53.
Kesel, Robert E.: *See*—
Cary, Donald S., Kesel, and MacNeille. 2,997,595.
Kesinger, Donald A., to International Harvester Co. Corn pitcher. 3,005,551, 10–24–61, Cl. 209—136.
Kesler, Martin L., and G. L. Morgan, to American Cyanamid Co. Dyestuff and its preparation. 2,981,729, 4–25–61, Cl. 260—191.
Kesler, Richard B.: *See*—
Whitney, Roy P., Han, Bakken, and Kesler. 2,987,432.
Kesling, Elmer G. Lawn edge trimmer. 2,968,903, 1–24–61, Cl. 56—25.4.
Kessel, Alvan A., and R. S. Norman, to General Electric Co. Electrical apparatus having insulation for eliminating creepage tracking. 2,997,526, 8–22–61, Cl. 174—137.
Kessel, Alvan A., and R. S. Norman, to General Electric Co. Electrical apparatus having insulation for eliminating creepage tracking. 2,997,527, 8–22–61, Cl. 174—137.
Kessel, Alvan A., and R. S. Norman, to General Electric Co. Electrical apparatus having insulation for eliminating creepage tracking. 2,997,528, 8–22–61, Cl. 174—137.
Kessler, Charles A., to The Singer Mfg. Co. Shuttle mechanisms with cam lock. 2,966,870, 1–3–61, Cl. 112—196.
Kessler, Gerald, to Technicon Instruments Corp. Liquid mixing means. 2,999,673, 9–12–61, Cl. 259—7.
Kessler, Jack J., to Uarco, Inc. Method of deleaving and bursting continuous form stationery. 2,970,784, 2–7–61, Cl. 242—56.2.
Kessler, Jack J., to Uarco, Inc. Imprinting plate cylinder. 2,978,980, 4–11–61, Cl. 101—378.
Kessler, Jacob C. F., to N.V. Onderzoekingsinstituut Research. Method for preparing a molding material from high molecular weight substances and the resulting products. 2,976,572, 3–28–61, Cl. 18—47.5.
Kessler, Jacob C. F., and H. R. Spreeuwers, to N.V. Onderzoekingsinstituut Research. Process for preparing extruded high molecular weight substances and the resulting products. 2,996,466, 8–15–61, Cl. 260—28.
Kessler, Milton. Corner key for screen frames and the like. 2,989,788, 6–27–61, Cl. 20—56.1.
Kessler, Milton. Folding chair assembly. 2,990,007, 6–27–61, Cl. 155—143.
Kessler, Milton. Metal-base pile weatherstrip and method of making it. 2,994,929, 8–8–61, Cl. 20—69.
Kessler, Milton. Flexible weatherstrip means. 3,002,253, 10–3–61, Cl. 28—80.
Kessler, Richard, and H. Willig, to Deere and Co. Internal-combustion engine. 2,989,953, 6–27–61, Cl. 123—41.31.
Kessler, Theodore P. Reel for pile fabrics. 2,976,987, 3–28–61, Cl. 206—51.
Kessler, Theodore P. Torque transmission from an end member. 3,001,641, 9–26–61, Cl. 206—51.
Kesson, Gordon W., ⅓₀ to Gadget-Of-The-Month Club, Inc. Manually operable dry shaver. 2,983,041, 5–9–61, Cl. 30—43.
Kestenbaum, Aaron L., and S. W. Daskam, to Radio Corp. of America. Introduction of barrier in germanium crystals. 2,978,367, 4–4–61, Cl. 148—1.5.
Keston, Albert S., to Eli Lilly and Co. Glucose indicator and method. 2,981,606, 4–25–61, Cl. 23—230.
Keston, Albert S. Polarimetric apparatus. 2,999,418, 9–12–61, Cl. 88—14.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Noise reducing systems. 2,978,577, 4–4–61, Cl. 250—20.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Pulse length controlled servo system. 2,985,808, 5–23–61, Cl. 318—28.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Position control system. 2,990,505, 6–27–61, Cl. 318—32.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Electron multiplier tube circuits. 3,003,065, 10–3–61, Cl. 250—207.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Telephone switching circuit. 3,005,876, 10–24–61, Cl. 179—18.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Signal comparison system. 3,010,654, 11–28–61, Cl. 235—175.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Signal comparison system. 3,010,655, 11–28–61, Cl. 235—177.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Signal comparison system. 3,011,150, 11–28–61, Cl. 340—149.
Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Signal comparison system. 3,011,151, 11–28–61, Cl. 340—149.
Ketchledge, Raymond W., and C. A. Lovell, to Bell Telephone Laboratories, Inc. Magnetically controlled switching device. 3,002,066, 9–26–61, Cl. 200—87.
Ketchledge, Raymond W., and H. R. Moore, to Bell Telephone Laboratories, Inc. Combination radar and thermal-energy detection system. 3,010,102, 11–21–61, Cl. 343—6.
Ketchum, Calvin E. Windshield cover. 2,979,129, 4–11–61, Cl. 160—368.
Ketchum, David D., to United States of America, Air Force. Regenerative transistor pulse amplifier. 2,999,171, 9–5–61, Cl. 307—88.5.
Kettel, Anton G.: *See*—
Feeney, Robert J., Greene, and Kettel. 3,008,874.
Kettel, Ernst, M. Börner, and H. Ohnsorge, to Telefunken G.m.b.H. Mechanical frequency filter. 3,013,228, 12–12–61, Cl. 333—71.
Ketterer, Charles C., to E. I. du Pont de Nemours and Co. Process for preparing acrylonitrile polymers. 2,974,123, 3–7–61, Cl. 260—63.
Ketterer, Stanley J.: *See*—
Graham, Richard P., Herron, and Ketterer. 2,981,215.
Smith, Darwin G., and Ketterer. 2,968,269.
Ketterer, Stanley J., to The Singer Mfg. Co. Bobbin thread case opener mechanism. 2,990,794, 7–4–61, Cl. 112—228.
Ketterer, Stanley J., and W. L. Herron, to The Singer Mfg. Co. Lock stitch sewing machines. 3,012,529, 12–12–61, Cl. 112—181.
Ketterer, Stanley J., and W. L. Herron, to The Singer Mfg. Co. Lock stitch sewing machines. 3,012,530, 12–12–61, Cl. 112—181.
Kettering, Lee M., to Hagan Chemicals & Controls, Inc. Pilot valves having circular outlet ports modified to have the gain characteristics of square ports. 2,985,190, 5–23–61, Cl. 137—622.
Kettler, Jack F., to United States of America, Army. Night sight. 2,987,821, 6–13–61, Cl. 33—52.
Kettler, Wilfred A. Photographic apparatus. 3,010,377, 11–28–61, Cl. 95—93.
Kettma Hamburger Kettelmaschinenfabrik Erich Hahn K.G.: *See*—
Darandik, Wilhelm. 3,007,425.
Ketz, Albert G., and J. Bloemhof, to N.V. Lichtdrukpapierfabriek "De Atlas." Method and a machine for utilizing accounting and similar data. 3,007,380, 11–7–61, Cl. 95—4.5.
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Keuffel, Carl W., A. L. Baker, and C. D. Hillman, to Keuffel & Esser Co. Self-correcting alidade. 2,971,427, 2–14–61, Cl. 88—1.
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Baker, Allister L. 2,996,805.
Beeber, Allan R. A. 2,994,958.
Beeber, Allan R. A., and Spechler. 2,999,016.
Biber, Conrad H. 3,011,384.
Keuffel, Carl W., and Baker. 3,013,464.
Keuffel, Carl W., Baker, and Hillman. 2,971,427.
Koenig, Eugene H. 2,989,808.
Sahler, Wilhelm. 2,999,035.
Süs, Oskar, and Glos. 2,974,042.
Keuls, Henry P. C. Amusement device with projectible object. 3,003,767, 10–10–61, Cl. 273—138.
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Keutgen, William A., C. R. Davall, and R. S. Daniels, to Union Carbide Corp. Chemical process and product. 2,976,574, 3–28–61, Cl. 18—48.
Kevelin, Bruce E., T. A. Redo, and J. W. Willett, to General Motors Corp. Machine and method for dielectrically embossing trim strip material. 2,988,129, 6–13–61, Cl 154—1.6.
Kevorkian, Joseph D. Lamp guard construction. 2,975,269, 3–14–61, Cl. 240—102.
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Key, Carroll L., Jr., and R. F. Trufant, to United States of America, Navy. Drive for indicating means and the like. 3,005,133, 10–17–61, Cl. 318—15.
Key, Edward D., ½ to W. R. Farrington. Multiple radius pipe bending machine. 3,004,582, 10–17–61, Cl. 153—38.
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Keydel, Kurt R. 2,974,339.
Key-Tag Checking System Co., The: *See*—
Summers, Donald C. 3,003,267.
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Emery, Richard L. 2,984,345.
Emery, Richard L. 2,997,196.
Randall, Walter H., and Despres. 2,979,245.
Randall, Walter H., and Emery. 2,986,490.
Randall, Walter H., and Emery. 3,001,581.
Robbins, Gerald L. 2,974,788.
Smith, Dudley H. 2,990,945.
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Keyes, Frederick G. 2,982,112.
Keyes, Frederick G., to Frederick G. Keyes, Inc. Refrigeration apparatus for contact cooling of small areas. 2,982,-112, 5–2–61, Cl. 62—293.
Keyser, Edwin J. Inertia mass crank transmission. 2,984,-124, 5–16–61, Cl. 74—751.
Keyser, Edwin J. Inertia mass rotating transmission. 2,984,125, 5–16–61, Cl. 74—751.
Keyser, Johann J., to Schiess Aktiengesellschaft. Setup of spinning machines in a row. 2,969,635, 1–31–61, Cl. 57—1.
Keyser, John F., and J. T. Wilson. Fertilizer injector. 3,014,443, 12–26–61, Cl. 111—92.
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Keystone Shipping Co.: *See*—
Heidt, Peter C. 3,002,209.
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Khachigian, John. Drilling and threading attachment for lathes and the like. 3,011,185, 12–5–61, Cl. 10—129.
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Stuart, Archibald P., and Khelghatian. 2,967,206.
Thomas, Charles L., Stuart, and Khelghatian. 2,975,136.
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Kianpour, Ahmad, and D. W. McDonald, to Monsanto Chemical Co. Production of acrylonitrile. 2,998,443, 8–29–61, Cl. 260—465.3.
Kibbey, Ronald L., and G. Peat, to Rolls-Royce Ltd. Electrical connections. 2,981,925, 4–25–61, Cl. 339—223.
Kibbie, Charles J., and J. M. Thomas. Pipe joint. 2,996,317, 8–15–61, Cl. 285—231.
Kibby, William A. Combination handtruck and ladder. 2,980,200, 4–18–61, Cl. 182—16.
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Kibler, Richard W., to The Firestone Tire & Rubber Co. Reaction products of sulfur dichloride with 6-alkyl-2,2,4-trimethyl-1,2-dihydroquinolines and their use as antioxidants in rubber. 2,988,533, 6–13–61, Cl. 260—45.8.
Kibler, Richard W., to The Firestone Tire & Rubber Co. Polysulfides of 6-substituted 2,2,4-trimethyl-1,2-dihydroquinoline and their use in rubber. 2,988,540, 6–13–61, Cl. 260—79.5.
Kichta, Philip M., 25% to C. A. Bauscher, 25% to A. R. Mueller, and 25% to G. J. Patrides. Measuring or computing tool. 2,972,191, 2–21–61, Cl. 33—100.
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Marryatt, Earl A. 2,985,254.
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Kidde, Gustave E. 2,981,601.
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Kidder, Marshall J.: *See*—
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Kidger, David P., and R. J. Baeuerlen, to Swift & Co. Whipping agent and method of preparing the same. 2,978,335, 4–4–61, Cl. 99—113.
Kidwell, Alfred S., A. J. De Francesco, and Z. J. Grabicki, to The Connecticut Hard Rubber Co. Heat-resistant high-tensile silicone rubber compositions and methods of making them. 2,982,755, 5–2–61, Cl. 260—37.
Kidwell, John H., G. Musat, and K. E. Marquand, to The Babcock & Wilcox Co. Fuel burning method and apparatus. 2,982,347, 5–2–61, Cl. 158—11.
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Kieckhefer, Herbert M., to Ex-Cell-O Corp. Pouring spout container. 2,987,234, 6–6–61, Cl. 229—17.
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Kiefer, Walter J., to Belvedere Products, Inc. Hydraulically operated chair. 2,969,645, 1–31–61, Cl. 60—52.
Kiehl, Jean P., to Societe Generale de Products Refractaires. Process for obtaining refractory articles having a high mullite content. 3,003,887, 10–10–61, Cl. 106—67.
Kiehl, Paul F., to M. Steinthal & Co., Inc. Parachute with automatic canopy deflating device. 2,991,964, 7–11–61, Cl. 244—145.
Kiekhaefer, Elmer C. Silencing chamber and air inlet for outboard motors. 2,971,507, 2–14–61, Cl. 123—198.
Kiekhaefer, Elmer C. Flywheel magneto. 2,976,439, 3–21–61, Cl. 310—153.
Kiekhaefer, Elmer C. Magnetically actuated clutch. 2,987,156, 6–6–61, Cl. 192—58.
Kiekhaefer, Elmer C. Centrifugal clutch. 2,987,158, 6–6–61, Cl. 192—105.
Kiekhaefer, Elmer C. Valve member and method of making the same. 2,995,126, 8–8–61, Cl. 123—142.
Kiekhaefer, Elmer C. Running light for an outboard motor. 2,995,650, 8–8–61, Cl. 240—7.5.
Kiekhaefer, Elmer C. Damping and lift device for outboard motors. 3,003,724, 10–10–61, Cl. 248—4.
Kiel, Lyle O. Apparatus for steering an implement along a crop row. 2,993,548, 7–25–61, Cl. 180—14.
Kiel, Othar M., to Jersey Production Research Co. Petroleum recovery from carbonaceous formations. 2,974,937, 3–14–61, Cl. 262—3.
Kiel, Wilhelm K. B., and U. T. R. Eichler; said Kiel assor. Metall-Guss und Presswerk Heinrich Diehl G.m.b.H. Calculating machine actuator and carriage control. 2,969,911, 1–31–61, Cl. 235—63.
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Thoma, Fritz. 2,974,265.
Thoma, Fritz. 3,005,305.
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Haupt, Wilhelm. 3,012,712.
Hübl, Franz. 2,979,255.
Riegger, Paul, Vogtlin, and Becker. 2,982,594.
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Kienzle, Harold K., to Deere & Co. Implement control system. 2,974,734, 3–14–61, Cl. 172—9.
Kienzle, Harold K., to Deere & Co. Connecting rod. 2,985,-033, 5–23–61, Cl. 74—586.
Kienzle, Harold K., to Deere & Co. Pick-up hitch. 2,983,523, 5–9–61, Cl. 280—479.
Kienzle, Harold K., to Deere & Co. Tractor hitch and seal means therefor. 3,002,570, 10–3–61, Cl. 172—7.
Kierstead, Richard W., W. Kimel, and W. E. Scott, to Hoffmann-La Roche Inc. Process for the production of 1-vinyl-6-alkoxy-3,4-dihydronaphthalene. 3,003,001, 10–3–61, Cl. 260—612.

Kiersted, Wynkoop, Jr., and H. H. Gross, to Texaco Development Corp. Solvent two-stage fractional crystallization utilizing secondary filtrate to wash primary filter cake. 2,979,453, 4–11–61, Cl. 208—31.

Kiesling, Paul W., Jr., to Raytheon Co. Adjustable core transformer oscillator. 3,010,074, 11–21–61, Cl. 331—113.

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Kietz, Hans, to Atlas-Werke Aktiengesellschaft. Transducer and pulse excitation circuit. 3,013,247, 12–12–61, Cl. 340—5.

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Guest, Howard R., and Kiff. 3,008,919.
Guest, Howard R., and Kiff. 3,010,941.
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Kihn, Harry, and R. J. Klensch, to United States of America, Navy. High speed, narrow beam radar scanning antenna. 2,994,874, 8–1–61, Cl. 343—768.

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Kilbane, James A., and S. H. Palmer. Bridging plate and method of making the same. 3,001,266, 9–26–61, Cl. 29—155.

Kilbourne, Charles E., to General Electric Co. Conductor-cooled generator. 2,970,232, 1–31–61, Cl. 310—54.

Kilbourne, Charles E., and L. P. Grobel, to General Electric Co. Winding temperature control systems for direct-cooled dynamoelectric machines. 2,975,308, 3–14–61, Cl. 310—54.

Kilburg, James, and W. E. Thomas, to James Kilburg Corp. Tape advancer for automatic telephone dialer. 2,999,133, 9–5–61, Cl. 179—90.

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Williams, Frederic C., Kilburn, Newman, and Tootill. 3,012,724.
Williams, Frederic C., Kilburn, and Tootill. 3,012,725.
Williams, Frederic C., Kilburn, Tootill, and Robinson. 3,012,726.

Kilburn, Tom, G. R. Hoffman, and M. A. Maclean, to National Research Development Corp. Inductive control arrangements. 2,978,592, 4–4–61, Cl. 307—88.

Kilburn, Tom and G. R. Hoffman, to National Research Development Corp. Magnetic systems and devices. 2,982,947, 5–2–61, Cl. 340—174.

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Kile, John A., to Kile Bros. Mfg. Co. Abrading machine. 3,008,276, 11–14–61, Cl. 51—138.

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Kilgore, Charles R., to Thompson Ramo Wooldridge Inc. Lever actuated leveling valve having resiliently centered movably mounted fulcrum. 2,993,706, 7–25–61, Cl. 280—124.

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Kilgour, Vernon E., and Furman. 2,986,970.

Kilgour, Vernon E., and L. J. Furman, to R. E. Kilgour. Adjustable spectacles. 2,986,970, 6–6–61, Cl. 88—41.

Kilham, Louis F., Jr.: *See*—
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Kilian, Georg, and F. Mainz, to Libbey-Owens-Ford Glass Co. Method of manufacturing a double sheet glazing unit. 2,968,895, 1–24–61, Cl. 49—82.

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Killian, Gaddis W. Fish lure holder. 2,978,830, 4–11–61, Cl. 43—57.5.

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Killough, Jack D. Gate latch. 2,996,328, 8–15–61, Cl. 292—341.17.

Killow, John B.: *See*—
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Kilmer, George J.: *See*—
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Kilminster, Arthur R., to Hunter-Penrose Ltd. Modification of the light response from a coloured original. 2,968,214, 1–17–61, Cl. 88—24.

Kilner, Scott B., to Aerojet-General Corp. Hydrazinium borohydride solution and method of making it. 3,000,712, 9–19–61, Cl. 52—.5.

Kilness, Luther E., to The New Britain Machine Co. Ratchet mechanism. 2,981,389, 4–25–61, Cl. 192—45.1.

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Kiltz, Richard M., to Bell Telephone Laboratories, Inc. Switching apparatus. 2,988,672, 6–13–61, Cl. 317—9.

Kilyk, John. Microphone stand. 2,969,436, 1–24–61, Cl. 179—148.

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Kimball, John G., D. Willens, R. M. Oswalt, and D. E. O'Neill, to Turbo Research Corp. Centrifugal compressor for starting jet engines. 2,973,894, 3–7–61, Cl. 230—127.

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Kimber, Kenneth G., F. R. Makeham, and P. C. Foden, to The Pyrene Co. Ltd. Fire-extinguishing apparatus and method. 2,996,119, 8–15–61, Cl. 169—1.

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Eberly, Paul E., Jr., Adams, and Kimberlin. 2,996,442.
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Madden, Ralph J., Pennau, and Robinson. 2,988,141.
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Kimberlin, Charles N., Jr., to Esso Research and Engineering Co. Purifying water insoluble solids. 2,967,833, 1–10–61, Cl. 252—317.

Kimberlin, Charles N., Jr., and E. M. Gladrow, to Esso Research and Engineering Co. Hydrocarbon conversion catalyst. 2,971,903, 2–14–61, Cl. 208—119.

Kimberlin, Charles N., Jr., and W. J. Mattox, to Esso Research and Engineering Co. Separation of olefinic hydrocarbons with Co, Ba, K, or Ag, substituted 10 to 13 angstrom molecular sieves. 2,971,993, 2–14–61, Cl. 260—677.

Kimberlin, Charles N., Jr., and W. J. Mattox, to Esso Research and Engineering Co. Preparation of aromatics from aliphatic olefinic hydrocarbons containing from 2 to 7 carbon atoms per molecule. 2,972,643, 2–21–61, Cl. 260—673.

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Kimberlin, Charles N., Jr., and H. E. Merrill, to Esso Research and Engineering Co. Liquid phase hydrocarbon isomerization with gas phase product takeoff. 3,005,035, 10–17–61, Cl. 260—683.67.

Kimberlin, Charles N., Jr., and W. J. Mattox, to Esso Research and Engineering Co. Method of extracting hydrocarbons. 3,007,545, 11–7–61, Cl. 183—114.2.

Kimberlin, Charles N., Jr., and W. J. Mattox, to Esso Research and Engineering Co. Solvent extraction process. 3,013,962, 12–19–61, Cl. 208—254.

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Pinotti, Alfred D. 2,979,864.
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Stutske, William A. 2,969,162.
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Kimbrough, Richard L. and D. J. Process of preparing a frozen food product from sweet potatoes. 3,007,800, 11–7–61, Cl. 99—193.

Kimel, Walter: *See*—
Kierstead, Richard W., Kimel, and Scott. 3,003,001.

Kimel, Walter, to Hoffmann-La Roche Inc. Preparation of nuclearly unsaturated ionones and intermediates therefor. 2,974,170, 3–7–61, Cl. 260—587.

Kimijima, Takehiko, and S. Toyoda. Gear pump. 2,997,960, 8–29–61, Cl. 103—126.

Kimm, Ewald J., and R. L. Peterson, to United Aircraft Products, Inc. Thermostatic valve. 2,988,280, 6–13–61, Cl. 236—34.5.

Kimmel, Frank E., to Western Electric Co., Inc. Knockdown reel. 2,977,066, 3–28–61, Cl. 242—115.

Kimmel, Heinz, to Siemens-Schuckertwerke Aktiengesellschaft. Device for controlling electromagnetic radiation. 2,987,959, 6–13–61, Cl. 88—61.

Kimmel, Merl J.: *See*—
Thompson, Harry E., and Kimmel. 2,966,838.

Kimmel, Merle J. Children's high chair. 2,971,567, 2–14–61, Cl. 155—38.

Kimmel, Norman A.: *See*—
Alden, John P., and Kimmel. 2,989,844.

Kimmel, Norman A., to Phillips Petroleum Co. Insulation for rocket motors. 2,987,880, 6–13–61, Cl. 60—35.6.

Kimmel, Norman A., to Phillips Petroleum Co. Solid propellant rocket motor. 2,995,011, 8–8–61, Cl. 60—35.6.

Kimmel, William E., to Crompton & Knowles Corp. Pick and pick weft replenishing loom. 3,001,553, 9–26–61, Cl. 139—232.

Kimmell, Garman O. Apparatus and method for circulating and controlling liquids in gas-liquid systems. 2,990,910, 7–4–61, Cl. 183—2.

Kimmell, Garman O. Gas gravitometers. 3,002,373, 10–3–61, Cl. 73—30.

Kimmell, Richard T.: *See*—
Strobel, Charles K., and Kimmell. 2,971,074.

Kimmerle, Harlie J.: *See*—
Swanson, Albert S., and Kimmerle. 2,972,159.

Kimoto, Koji: *See*—
Inaba, Yanosuke, and Kimoto. 2,973,342.

Kimpel, Walter: *See*—
Schnell, Hermann, Kimpel, Bottenbruch, Krimm, and Fritz. 2,997,459.

Kimura, Shuji, and J. N. Stich, to Norton Chemical Co. Photographic shortstop compositions. 2,980,536, 4–18–61, Cl. 96—62.

Kinaga, Thomas, to Hughes Aircraft Co. Waveguide pressurizing plug. 3,001,158, 9–19–61, Cl. 333—98.

Kinard, Herbert D.: *See*—
Parton, Clarence C., and Kinard. 3,013,390.

Kinard, William C.: *See*—
Green, Max L., and Kinard. 2,972,389.

Kinard, William H., to United States of America, National Aeronautics and Space Administration. Particle detection apparatus. 3,004,735, 10–17–61, Cl. 244—14.

Kinariwala, Bharat K., to Bell Telephone Laboratories, Inc. Active impedance branch. 3,001,156, 9–19–61, Cl. 333—80.

Kincaid, George F., B. C. Douglas, and B. A. Gay, to Atlas Powder Co. Switch. 2,999,912, 9–12–61, Cl. 200—82.

Kincl, Fred A.: *See*—
Ringold, Howard J., and Kincl. 3,014,937.
Ringold, Howard J., Mancera, and Kincl. 2,997,489.

Kindel, Georg S.: *See*—
Reuter, Franz G., and Kindel. 2,971,356.

Kinder, Gotthardt: *See*—
Fischer, Oskar, Greger, Papke, Kinder, and Weidner. 2,996,964.

Kinderman, Walter J., to Yarnall-Waring Co. Temperature compensation for liquid level gauge. 2,993,376, 7–25–61, Cl. 73—290.

Kinderman, Walter J., and F. W. Miller, to Yarnall-Waring Co. Steam trap control valve. 2,989,976, 6–27–61, Cl. 137—183.

Kindig, Guilford E., to Eastman Kodak Co. Axial lens guiding system. 2,972,291, 2–21–61, Cl. 95—45.

Kindl, Friedrich: *See*—
Figdor, Hans, Kindl, Maiwald, Schager, and Zecha. 2,986,042.

Kindler, Herbert S., and C. M. Halsell, to Black, Sivalls & Bryson, Inc., and Humble Oil and Refining Co. Apparatus for directly measuring mass of fluid flow per unit of time. 2,975,635, 3–21–61, Cl. 73—194.

Kindler, Hubert: *See*—
Bueche, Walter, and Kindler. 2,985,686.

Kindred, Bob A.: *See*—
Shelden, C Hunter, Goodwin, and Kindred. 2,991,787.

Kindred, Raymond L., to Phillips Petroleum Co. Programming circuit for chromatographic analyzer. 2,982,123, 5–2–61, Cl. 73—23.

Kindseth, Harold V., and T. B. Ludlow, to Bemis Bro. Bag Co. Pressure sensitive tape. 2,971,863, 2–14–61, Cl. 117—68.5.

Kindseth, Harold V., J. A. Johnson, and T. B. Ludlow, to Bemis Bro. Bag Co. Molding form. 3,001,582, 9–26–61, Cl. 162—411.

Kine, Benjamin B.: *See*—
Kucsan, John, and Kine. 2,994,676.
Matlin, Nathaniel A., and Kine. 2,982,682.

Kinematics Ltd.: *See*—
Crang, Terence F. 3,012,753.

King, Aden J. Semi-conductor. 3,007,089, 10–31–61, Cl. 317—234.

King, Arthur S. Automotive wheel balancer. 3,012,820, 12–12–61, Cl. 301—5.

King Bee Mfg. Co.: *See*—
Ritz-Woller, Oliver C., and Renwick. 2,985,750.

King, Brian E., to The British Oxygen Co. Ltd. Photo-electric scanner for line-following devices. 2,997,593, 8–22–61, Cl. 250—202.

King, Burnham W., and M. C. Brockway, to Union Carbide Corp. Acid-resistant enamel for stainless steel. 3,014,816, 12–26–61, Cl. 117—129.

King, Charles B.: *See*—
Carlsen, Leonard O., and King. 2,994,943.

King, Charles B., and G. M. Spear, to The Gleason Works. Cutter for gears of tapering tooth depth. 2,974,399, 3–14–61, Cl. 29—105.

King, Charles H., Jr., and L. S. Billman, to United States of America, Navy. Interconnected burner pilots. 2,995,896, 8–15–61, Cl. 60—39.72.

King, Charles H., and M. V. West. Garment hanger. 3,003,669, 10–10–61, Cl. 223—91.

King, Charles W.: *See*—
Rady, William J., and King. 2,967,990.

King, Claude W., to Koppers Co., Inc. Coiler reel for reversing hot strip mills. 3,003,713, 10–10–61, Cl. 242—78.1.

King, Clyde O. Snap pierce fish hook assembly. 2,976,639, 8–28–61, Cl. 43—17.6.

King Container Corp.: *See*—
Rucki, Edward V., Jr. 2,969,895.

King, Desmond G. H.: *See*—
Busby, Leslie R., and King. 2,970,804.

King, Donald D., to Electronic Communications, Inc. Phase shifter controls. 3,013,224, 12–12–61, Cl. 333—18.

King, Donald M. Chains for conveyors. 2,980,236, 4–18–61, Cl. 198—189.

King, Donald M. Conveyor systems. 2,987,012, 6–6–61, Cl. 104—172.

King, Donald M. Chain guards for electrically operated hoist pulley blocks. 2,999,623, 9–12–61, Cl. 226—43.

King, Ellis G.: *See*—
Adolphson, Carl, and King. 3,007,864.
Adolphson, Carl, and King. 3,007,910.

King, Eula C. Shoe decorative device. 3,011,281, 12–5–61, Cl. 41—34.

King, Frederick E., V. F. G. Cooke, and J. Lincoln, to British Celanese Ltd. Copolymers of monoallyldialkyl phosphates and acrylonitrile. 2,999,085, 9–5–61, Cl. 260—85.5.

King, George E. Auxiliary wheel attachment for powered lawn edger. 2,977,740, 4–4–61, Cl. 56—25.4.

King, George L.: *See*—
Emker, Henry H., and King. 3,002,052.
Gilbert, Everett A., and King. 3,014,183.

King, George L., and H. H. Emker, to Radio Frequency Laboratories, Inc. Party line keying circuit. 2,997,534, 8–22–61, Cl. 178—2.

King, Geo. W., Ltd.: *See*—
Burrows, Arthur T. C. 3,009,994.

King, Gordon J.: *See*—
Speller, Jack B., and King. 3,014,133.

King, Helen R. Tooth cleaning device. 2,999,260, 9–12–61, Cl. 15—118.

King, Henry L., and W. A. H. Huffman, to The Chemstrand Corp. Omega-hydroxypolyoxyalkyleneoxybenzene sulfonates. 3,004,006, 10–10–61, Cl. 260—79.3.

King, Henry W. M. Busbars and similar electrical power conducting assemblies. 2,974,205, 3–7–61, Cl. 191—25.

King, Herschel D. Triple purpose parachute vehicle. 3,001,746, 9–26–61, Cl. 244—149.
King, Jack A. R., to The British Oxygen Co. Ltd. Automatic arc-welding apparatus. 3,005,901, 10–24–61, Cl. 219—125.
King, Jack B., to General Motors Corp. Variable clearance volume air compressor. 3,004,810, 10–17–61, Cl. 309—18.
King, James A. Anti-slip device for boots and shoes. 2,968,878, 1–24–61, Cl. 36—61.
King, James F., to Moviola Mfg. Co. Camera dolly with arcuate and crab steering. 2,995,380, 8–8–61, Cl. 280—91.
King, James F., Jr., to The Bahnson Co. Travelling cleaner for textile machinery. 2,976,557, 3–28–61, Cl. 15—312.
King, James F., Jr., to The Bahnson Co. Bobbin holder. 2,977,067, 3–28–61, Cl. 242—130.2.
King, James L.: *See*—
Scott, John F., King, and Pazmany. 3,013,751.
King, James V., to Square D Co. Motion translating device. 2,990,725, 7–4–61, Cl. 74—519.
King, John A.: *See*—
Edgar, John S., and King. 2,973,047.
King, John A., C. McCullough, and A. S. Montano. Material hoisting and dumping apparatus. 3,013,684, 12–19–61, Cl. 214—620.
King, John L., 30% to A. J. Wiesner, 30% to L. Wilson, and 40% to S. B. Harris. Process for forming a graphite lubricant. 2,986,519, 5–30–61, Cl. 252—30.
King, John L., to Krogh Pump Co. Open-case pump. 3,010,402, 11–28–61, Cl. 103—103.
King, John P. H.: *See*—
Pearson, Eric, and King. 2,992,456.
King, John S., and R. McDowall, to The Borden Co. Composition comprising an epoxy resin, an aniline-formaldehyde resin, a liquid polysulfide polymer and a phenolic curing accelerator. 3,014,007, 12–19–61, Cl. 260—45.2.
King, Jonathan W., Jr. Adjustable awning. 3,004,591, 10–17–61, Cl. 160—62.
King, Joseph B.: *See*—
Furiness, Samuel. 2,980,971.
King, Kenneth F., to E. I. du Pont de Nemours and Co. Process for curing sulfochlorinated hydrocarbon polymers. 2,994,688, 8–1–61, Cl. 260—79.
King, Kenneth G., and A. W. Tucker, to Westinghouse Brake and Signal Co., Ltd. Intermittent inductive train control systems. 2,975,273, 3–14–61, Cl. 246—63.
King, Kenneth K., to General Motors Corp. Universal joint. 3,001,386, 9–26–61, Cl. 64—17.
King, Kenneth K., and R. J. Schultz, to General Motors Corp. Bearing support. 3,003,831, 10–10–61, Cl. 308—26.
King, Kenneth L., to United Aircraft Corp. Infrared photoimaging device. 3,014,148, 12–19–61, Cl. 313—67.
King, Laurence F.: *See*—
Sproule, Lorne W., King, and Pattenden. 2,988,506.
King, Louis D.: *See*—
Smith, Pierre F., and King. 2,984,543.
King, Marvin M.: *See*—
Shwayder, Jesse and K. D., and King. 2,981,579.
King, Mary M.: *See*—
Donnell, Walter M., and Granton. 2,981,557.
King, Nancy H.: *See*—
Henn, Richard W., and King. 3,008,828.
King, Ralph W., and D. J. Movsovic, to Shell Oil Co. Aluminum alkylsesquichloride preparation. 2,987,533, 6–6–61, Cl. 260—448.
King, Ray E. Fishing sinker. 2,985,981, 5–30–61, Cl. 43—44.97.
King, Raymond H. Chair construction. 3,003,817, 10–10–61, Cl. 297—440.
King, Robert B., and C. E. Roos. Optical device for viewing and generating curved lines. 3,006,237, 10–31–61, Cl. 88—2.4.
King, Robert E.: *See*—
Charnicki, Walter F., and King. 2,970,944.
King, Robert H.: *See*—
Felmet, Frederick W. 2,974,966.
Felmet, Frederick W. 2,974,967.
King, Robert L.: *See*—
Glavan, Richard, and King. 3,001,841.
King, Robert R. Drive control system. 2,990,928, 7–4–61, Cl. 192—87.
King, Robert R., to The Pioneer Rubber Co. Display and packaging article for gloves, or the like. 3,003,621, 10–10–61, Cl. 206—45.33.
King, Robert W.: *See*—
Germann, Donald P., Kropa, King, and Stickney. 3,003,988.
King Sales & Engineering Co.: *See*—
Lawrence, Joseph L. and F. J. 3,014,599.
King-Seeley Corp.: *See*—
Larsen, Torleif I. 2,986,131.
Sivacek, Emil E. 2,980,875.
Sivacek, Emil E. 2,985,272.
Woodward, Cary F. 2,970,201.
King-Seeley Thermos Co.: *See*—
Bergsma, Rudolph. 2,988,717.
Bergsma, Rudolph. 3,009,081.
Bergsma, Rudolph. 3,011,351.
Boddy, Leonard. 3,005,979.
Boddy, Leonard. 3,010,097.
Gaskell, Walter L. 3,011,531.
Whinery, George B. 3,005,896.
King, Steve S. Child's convertible chair. 2,994,557, 8–1–61, Cl. 297—105.
King, Thomas F.: *See*—
Hannoosh, Mitchell M., Farnsworth, King, and De Santis. 3,002,590.
King, William D., to Westinghouse Electric Corp. Control apparatus for a strip winding device. 2,989,264, 6–20–61, Cl. 242—75.51.
King, William F., to General Motors Corp. Balancing machine. 2,988,918, 6–20–61, Cl. 73—462.
King, William N., to FMC Corp. Method of pelleting hay. 3,013,880, 12–19–61, Cl. 99—8.
King, William R. Time cycle controls. 2,997,030, 8–22–61, Cl. 121—147.
King, William R., to Minneapolis-Honeywell Regulator Co. Photographic slide projector. 2,998,750, 9–5–61, Cl. 88—28.
King, William R., to Phillips Petroleum Co. Method for incorporating carbon black into rubber. 3,004,940, 10–17–61, Cl. 260—27.
King, William R., to Phillips Petroleum Co. Dryer temperature controls. 3,013,785, 12–19–61, Cl. 263—33.
King, William R., and F. Rowe, Jr., to Phillips Petroleum Co. Cascading vane dust removal elutriator. 2,973,863, 3–7–61, Cl. 209—136.
King, William S. Actuating mechanism for fishing reels. 2,981,495, 4–25–61, Cl. 242—84.5.
Kingdon, Ralph H.: *See*—
Stanback, Harris I., and Kingdon. 2,976,514.
Kingely Rescue Harness Inc.: *See*—
Zakely, Rudolph F. 2,979,028.
Kingery, Marion L. Shredder for baled hay. 2,978,191, 4–4–61, Cl. 241—154.
Kinghorn, Henry G. Christmas tree ornament. 3,011,049, 11–28–61, Cl. 240—10.
Kinghurst Ltd.: *See*—
Rich, Carl. 3,000,010.
Kings Electronics, Inc.: *See*—
Jackson, Samuel H. 2,981,920.
Jackson, Samuel H. 2,983,893.
King's Lea Corp.: *See*—
Ingram, Ralph O. 2,997,748.
Kingsbury, Chadwick B., to North American Rayon Corp. Yarn crimping and texturing apparatus. 2,990,670, 7–4–61, Cl. 57—34.
Kingsbury, Franklin L., to National Lead Co. Complex titanium composition. 2,993,000, 7–18–61, Cl. 252—182.
Kingsbury, John, to Pye Ltd. Pick-up tube mounting arrangement. 3,008,002, 11–7–61, Cl. 178—7.2.
Kingsland, Daniel H., Jr.: *See*—
Avery, Howard, Kingsland, and Parker. 2,979,719.
Kingsley, David G., to Stapling Machines Co. Apparatus for feeding cleats to box-making machines. 2,999,616, 9–12–61, Cl. 221—224.
Kingsley, David G., R. L. Rice, and L. S. Hayward, to Stapling Machines Co. Apparatus for feeding cleats to box-making machines. 2,999,614, 9–12–61, Cl. 221—13.
Kingsley, David G., and L. S. Hayward, to Stapling Machines Co. Apparatus for feeding cleats to box-making machines. 2,999,615, 9–12–61, Cl. 221—13.
Kingsley, Gerald V., and W. E. Wyatt, to Bohn Aluminum & Brass Corp. Composite bearings and method of forming the same. 2,971,248, 2–14–61, Cl. 29—149.5.
Kingsley, Lewis A. Power operated cutoff shear mechanism adjustable as a unit along a frame. 2,970,504, 2–7–61, Cl. 83—467.
Kingsley, Lewis A. Wire-stamping and cutting machine. 2,973,706, 3–7–61, Cl. 101—11.
Kingsley, Lewis A. Air-operated wire and tube marking machine. 2,996,000, 8–15–61, Cl. 101—11.
Kingsley, Lewis A. Tape marking machine. 3,008,866, 11–14–61, Cl. 156—540.
Kingsley, Wayne H., to Sylvania Electric Products Inc. Electron test tube. 2,997,613, 8–22–61, Cl. 313—6.
Kings Mountain Mica Co.: *See*—
Lancaster, Hugh A., and Faust. 3,009,570.
Kingston Electronic Corp.: *See*—
Russell, Allan D. 3,005,043.
Kingston, Jonas A.: *See*—
Brooker, Eric G., Kingston, and Knox. 3,013,402.
Kingston, Paul E.: *See*—
De Witt, Clarence M., Jr., and Kingston. 2,970,705.
Kingston Products Corp.: *See*—
Dull, William B., and Daugherty. 2,970,199.
Jordan, Richard H. 2,976,377.
Treida, Grover G. 2,971,685.
Zimmerer, Mark E. 2,982,073.
Zimmerer, Mark E. 2,997,026.
Kingston, Walter E.: *See*—
Roboff, Stanley B., and Kingston. 2,993,786.
Kingston, Walter E., to United States of America, Atomic Energy Commission. Nuclear reactor fuel element. 2,981,672, 4–25–61, Cl. 204—193.2.
Kinkaid, Walter A. Dispensing merchandise by individual self service. 2,968,363, 1–17–61, Cl. 186—1.
Kinkel, Christian F., R. S. Richards, G. Steven, and W. C. Troy, to United States of America, Navy. Detonator. 2,977,978, 4–4–61, Cl. 102—28.
Kinley, John C.: *See*—
Harrison, Harry W., Kinley and M. M. 3,010,515.
Kinley, John C. Recording chart. 2,992,875, 7–18–61, Cl. 346—1.

Kinley, John C. Calipering tools. 3,010,212, 11–28–61, Cl. 33—178.

Kinley, Miron M.: *See*—
Harrison, Harry W., Kinley and M. M. 3,010,515.

Kinnear, Frank D., to Chicago Pneumatic Tool Co. Scraper for rock bit cutter. 3,013,621, 12–19–61, Cl. 175—313.

Kinney, Alfred W.: *See*—
Carew, Herman, and Kinney. 2,969,632.
Carew, Herman, and Kinney. 3,010,263.

Kinney, Alfred W., to American Can Co. Lid capping device. 2,974,459, 3–14–61, Cl. 53—342.

Kinney, Robert W.: *See*—
Osmond, Charles W., Fechheimer, and Kinney. 2,989,993.

Kinney, S. P., Engineers, Inc.: *See*—
Carr, Hugh B., Yuska, and Kinney. 3,006,598.
Kinney, Selwyne R., Clarke, and Carr. 2,992,777.
Osborne, Fred. 2,978,743.
Osborne, Fred. 3,001,724.

Kinney, Selwyne P.: *See*—
Carr, Hugh B., Yuska, and Kinney. 3,006,598.

Kinney, Selwyne P., W. W. Clarke, and H. B. Carr, to S. P. Kinney Engineers, Inc. Spray nozzle. 2,992,777, 7–18–61, Cl. 239—116.

Kinnison, Daniel C. Handle for paper cups. 2,991,907, 7–11–61, Cl. 220—85.

Kinoshita, Kazumoto: *See*—
Ogawa, Tetsuo, Tsunoda, Aoki, Kinoshita, Okumura, and Kondo. 2,971,890.

Kinoshita, Shukuo, K. Tanaka, and S. Akita, to Kyowa Hakko Kogyo Kabushiki Kaisha. Process for the production of citric acid by the fermentation process. 2,973,303, 2–28–61, Cl. 195—36.

Kinoshita, Shukuo, K. Nakayama, and S. Kitada, to Kyowa Hakko Kogyo Kabushiki Kaisha. Method of producing L-lysine by fermentation. 2,979,439, 4–11–61, Cl. 195—47.

Kinoshita, Shukuo, K. Nakayama, S. Udaka, and S. Kitada, to Kyowa Hakko Kogyo Kabushiki Kaisha. Method of producing L-ornithine by fermentation. 2,988,489, 6–13–61, Cl. 195—47.

Kinoshita, Shukuo, O. Terada, and K. Oishi, to Kyowa Hakko Kogyo Kabushiki Kaisha. Method of producing citric acid by fermentation. 2,993,838, 7–25–61, Cl. 195—36.

Kinoshita, Shukuo, K. Tanaka, and S. Akita, to Kyowa Hakko Kogyo Co., Ltd. Method of producing 1-glutamic acid. 3,002,889, 10–3–61, Cl. 195—47.

Kinoshita, Shukuo, M. Tanaka, and Y. Kato, to Kyowa Hakko Kogyo Co., Ltd. Method of producing L-glutamic acid from racemic glutamic acid. 3,003,921, 10–10–61, Cl. 195—29.

Kinoshita, Shukuo, K. Tanaka, S. Akita, Y. Maruta, and Y. Yamamoto to Kyowa Hakko Kogyo Co., Ltd. Method for producing L-pyrrolidonecarboxylic acid and its salt. 3,003,922, 10–10–61, Cl. 195—29.

Kinoshita, Shukuo, M. Tanaka, Y. Nagano, and T. Kishi, to Kyowa Hakko Kogyo Co., Ltd. Method for producing L-glutamic acid from racemic glutamic acid by use of a microorganism. 3,003,923, 10–10–61, Cl. 195—29.

Kinoshita, Shukuo, S. Udaka, and S. Akita, to Kyowa Hakko Kogyo Co., Ltd. Method of producing L1-glutamic acid by fermentation. 3,003,925, 10–10–61, Cl. 195—47.

Kinoshita, Yoshio. Anti-oxidation device for distributor point.. 2,978,551, 4–4–61, Cl. 200—30.

Kinoshita, Yoshio. Automatic safety device for hydraulic brake. 2,999,362, 9–12–61, Cl. 60—54.5.

Kinoshita, Yoshio. Starting ignition booster system. 3,006,328, 10–31–61, Cl. 123—179.

Kinsey, Claude J., to General Motors Corp. Engine test stand. 2,991,649, 7–11–61, Cl. 73—116.

Kinsey, Claude J., and W. J. Volke, to General Motors Corp. Wheel rim. 3,008,768, 11–14–61, Cl. 301—5.

Kinsey, George S. Bait-up-lite. 2,996,605, 8–15–61, Cl. 240—6.4.

Kinsey, Richard P., to United Kingdom Atomic Energy Authority. Cooling of nuclear reactors. 3,009,867, 11–21–61, Cl. 204—193.2.

Kinsey, Ronald W. S., to Siemens Edison Swan Ltd. Automatic telephone and like exchange systems. 3,001,028, 9–19–61, Cl. 179—18.

Kinsey, Ronald W. S., and W. D. P. West, to Siemens Edison Swan Ltd. Electric circuit arrangements. 3,005,111, 10–17–61, Cl. 307—88.

Kinsing, Charles E., and C. T. Williams, to Gould-National Batteries, Inc. Battery charger mounting for industrial trucks. 2,987,357, 6–6–61, Cl. 312—201.

Kinsman, Calvin T. Portable head rest. 2,996,333, 8–15–61, Cl. 297—399.

Kinsman, Frank W.: *See*—
Goldrick, Richard J., Kinsman, and Line. 2,973,919.

Kinsman, George H., N. N. Hellman, and D. L. Baker, to Basic Products Corp. Aqueous based liquid food substances. 2,984,571, 5–16–61, Cl. 99—151.

Kinsman Mfg. Co., Inc.: *See*—
Campbell, Richard H., Jr. 3,013,221.
Hadden, George H., and Campbell. 3,006,229.

Kinsman, Russell C., to The Bryant Electric Co. Weatherproof covering for an outlet box. 2,997,520, 8–22–61, Cl. 174—67.

Kinsman, Russell C., to The Bryant Electric Co. Selector switch. 2,997,551, 8–22–61, Cl. 200—5.

Kinstler, Robert C., to American Cyanamid Co. Preparation of sulfenamides. 2,981,325, 4–25–61, Cl. 159—47.

Kinstler, Robert C., to American Cyanamid Co. Acylation of amines. 2,996,543, 8–15–61, Cl. 260—553.

Kintner, Edwin K., to Sanitary Mfg. Co. of Pittsburgh, Pa. Milk treating system with deaerator. 2,971,453, 2–14–61, Cl. 99—252.

Kinzbach, Robert B., and W. Strecker, to Kinzbach Tool Co., Inc. Milling tool. 2,999,541, 9–12–61, Cl. 166—55.7.

Kinzbach Tool Co., Inc.: *See*—
Kinzbach, Robert B., and Strecker. 2,999,541.

Kinzelman, Joseph, to Gasway Corp. Roller supporting structure. 2,981,453, 4–25–61, Cl. 226—23.

Kinzer, Dan J. Apparatus for indicating the level of a magnetizable substance in a bin. 2,994,034, 7–25–61, Cl. 324—41.

Kipfer, Hugo, to Machine Tool Works Oerlikon, Administration Co. Projectile fuze. 3,007,412, 11–7–61, Cl. 102—71.

Kipping, Vernon L. Curved screen motion picture film gate. 2,981,146, 4–25–61, Cl. 88—17.

Király, Tibor, to Egyesult Izzolampa es Villamossagi Reszvenytarrasag. Method for cutting off lengths of glass tubing. 2,993,304, 7–25–61, Cl. 49—77.

Kirby, Arthur F.: *See*—
Foster, Robert E., and Kirby. 2,967,200.

Kirby, Ben H., and S. E. Getty, to Standard Ultramarine & Color Co. Phthalocyanine pigments. 3,004,986, 10–17–61, Cl. 260—314.5.

Kirby, Ben H., Jr., V. T. Humphreys, and T. James, to Koppers Co., Inc. Coloring of aluminum surfaces. 2,975,081, 3–14–61, Cl. 148—6.1.

Kirby, Edward F., to General Controls Co. Over temperature control unit. 2,987,919, 6–13–61, Cl. 73—343.

Kirby, Frederick G., to Kirko Corp. Safety fastening. 3,011,478, 12–5–61, Cl. 119—106.

Kirby, Robert A., to Jersey Production Research Co. Seismic recording apparatus. 3,011,855, 12–5–61, Cl. 346—74.

Kirby, Robert V. Pneumatic loader. 3,002,327, 10–3–61, Cl. 53—197.

Kirby, Wilfred: *See*—
Nasmith, John I., and Kirby. 2,979,722.

Kircher, Albert, Jr., to The Fitzpatrick Co. Cutter for elastic materials. 3,001,728, 9–26–61, Cl. 241—73.

Kircher, Alfred, and H. Siegelmann, to Gelsenkirchener Bergwerks-A.G. Mining machine having cutting and breaking rolls and suction transporting means. 2,981,527, 4–25–61, Cl. 262—27.

Kircher, Charles E., Jr., and R. J. Jones, to Detrex Chemical Industries, Inc. Dry-cleaning apparatus and methods of operation. 2,979,375, 4–11–61, Cl. 8—142.

Kircher, Charles E., Jr., R. J. Jones, and R. F. Kirz, to Detrex Corp. Method for producing finely divided polyvinyl chloride. 3,004,013, 10–10–61, Cl. 260—92.8.

Kircher, Nevin W.: *See*—
McGowen, Howell H., and Kircher. 2,978,300.

Kircher, Nevin W., to The Standard Oil Co. Sampling system. 3,008,333, 11–14–61, Cl. 73—421.

Kircher, Paul J., to Landers, Frary & Clark. Coffee maker. 3,011,428, 12–5–61, Cl. 99—310.

Kircher, Ralph N.: *See*—
Geller, Thomas L., Laabs, and Kircher. 2,969,452.

Kircher, Reymond J., and M. C. Wager, to Hughes Aircraft Co. Variable-frequency crystal-controlled oscillator systems. 2,972,120, 2–14–61, Cl. 332—26.

Kirchgassner, Benno: *See*—
Friedrich, Albert, Lentz, and Kirchgassner. 3,011,353.

Kirchhoff, Kurt: *See*—
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Kirchler, Lewis, and V. E. Rezabek, to International Harvester Co. Hydraulic bowl lifting arrangement for earth working scrapers. 3,014,291, 12–26–61, Cl. 37—129.

Kirchner, Francois F., and L. S. Jimerson, Jr., to Schlumberger Well Surveying Corp. Magnetic resonance apparatus. 2,996,658, 8–15–61, Cl. 324—.5.

Kirchner, Frederick K., to Sterling Drug Inc. 1-(3-indazolecarbonyl-hydrazines and their preparation. 3,007,938, 11–7–61, Cl. 260—310.

Kirchner, Stewart W. Artistic game apparatus. 2,984,488, 5–16–61, Cl. 273—157.

Kirchner, Werner R., to United States of America, Navy. Tapered tubular propellant grain. 3,000,317, 9–19–61, Cl. 102—98.

Kireta, Andrew G. Ejecting cartridge carrier. 3,014,617, 12–26–61, Cl. 221—94.

Kireta, Andrew G. Cartridge dispenser. 3,014,618, 12–26–61, Cl. 221—298.

Kirk, Clair E., Jr., to Glenair, Inc. Multiform, strain-absorbing cable-connector assembly. 3,009,129, 11–14–61, Cl. 339—103.

Kirk, David B., to Moore Products Co. Pneumatic gaging apparatus. 2,993,364, 7–25–61, Cl. 73—37.5.

Kirk, David C., Jr., to Hercules Powder Co. Curing of poly-(vinyl methyl ether). 2,984,655, 5–16–61, Cl. 260—91.1.

Kirk, David C., Jr., and A. E. Robinson, to Hercules Powder Co. Cross-linking of propylene polymers and copolymers. 3,012,016, 12–5–61, Cl. 260—79.5.

Kirk, David C., Jr., and A. E. Robinson, to Hercules Powder Co. Cross-linking of polyethylene, polypropylene and copolymers thereof. 3,012,020, 12–5–61, Cl. 260—88.2.

Kirk, David N.: *See*—
Petrow, Vladimir, and Kirk. 2,998,435.

Kirk, David N., V. Petrow, and M. H. Thomson, to The British Drug Houses Ltd. Process for the preparation of 6-methyl-5-ene-steroids. 2,981,732, 4–25–61, Cl. 260—239.55.

Kirk, David N., and V. Petrow, to The British Drug Houses Ltd. 4-organothiomethyl-3-oxo-Δ^4 steroids and methods for preparing same. 2,989,552, 6–20–61, Cl. 260—397.3.
Kirk, Donald R., and D. V. Allen, to General Dynamics Corp. Aircraft wing structure. 2,997,262, 8–22–61, Cl. 244—123.
Kirk, Harold L., to American Air Filter Co., Inc. Air heater fuel control system. 2,979,124, 4–11–61, Cl. 158—28.
Kirk, James H., to Sinclair Refining Co. Mineral base vanadium-containing residual fuel oil composition and method of preparation. 3,000,710, 9–19–61, Cl. 44—72.
Kirk, Margaret E. Disposable child's bib. 3,010,110, 11–28–61, Cl. 2—49.
Kirk, Martha R.: *See*—
Tolbert, Bert M., Kirk, and Baker. 3,000,377.
Kirk, Morris P., & Son, Inc.: *See*—
Richardson, Kay A., and Gullette. 2,977,007.
Kirk, Ralph D. Steering mechanism for child's vehicle or the like. 2,983,522, 5–9–61, Cl. 280—267.
Kirk, Robert A., to Eastman Kodak Co. Film gate. 2,995,974, 8–15–61, Cl. 88—18.
Kirk, Robert E., to General Motors Corp. Socket and locking means. 2,982,939, 5–2–61, Cl. 339—128.
Kirk, Samuel, & Son, Inc.: *See*—
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Kirk, Thomas E.: *See*—
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Kirk, Thomas E., to General Motors Corp. Manual safety lock for rear doors. 3,003,803, 10–10–61, Cl. 292—347.
Kirk, Walter B., to Westinghouse Air Brake Co. Multiple-unit locomotive brake control equipment. 2,998,284, 8–29–61, Cl. 303—8.
Kirk, Walter B., to Westinghouse Air Brake Co. Brake cylinder release valve device. 3,001,833, 9–26–61, Cl. 303—68.
Kirkbride, Chalmer G.: *See*—
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Kirkconnell, Oliver A., Jr. Simulated golf fairway. 3,013,801, 12–19–61, Cl. 273—181.
Kirkham, Don, and J. F. Stone, to Iowa State College Research Foundation, Inc. Apparatus for measuring the water content of soil. 2,999,160, 9–5–61, Cl. 250—83.1.
Kirkland, Earl V., to American Oil Co. Shaft bearing and seal. 2,973,997, 3–7–61, Cl. 308—36.2.
Kirkland, Earl V., and H. G. Brinkley, Jr., to Standard Oil Co. Distilling head. 3,002,897, 10–3–61, Cl. 202—161.
Kirkland, Horace S. Trash can holder. 2,971,739, 2–14–61, Cl. 248—361.
Kirkland, Vern D.: *See*—
Bratt, Robert W., Kirkland, Kurrasch, and Fossier. 2,971,726.
Kirkland, William A.: *See*—
Hollingsworth, Clinton A., and Kirkland. 2,995,436.
Kirklees Ltd.: *See*—
Rose, Leslie, and Sparke. 2,976,105.
Kirkman, Donald H., to Akro-Mils, Inc. Plastic cabinet drawer with removable partitions. 2,985,333, 5–23–61, Cl. 220—22.
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Kirkpatrick, James B.: *See*—
Campbell, William H., Miale, and Kirkpatrick. 2,973,646.
Kirkpatrick, James S., to Brooks & Perkins, Inc. Apparatus for performing operations in controlled atmosphere. 2,985,129, 5–23–61, Cl. 113—111.
Kirkpatrick, John W.: *See*—
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Kirkpatrick, Willard H., V. L. Seale, and R. E. Law, to Visco Products Co. Oil adducts. 2,971,965, 2–14–61, Cl. 260—398.
Kirkpatrick, Willard H., V. L. Seale, A. Walker, and J. B. Love, to Visco Products Co. Surface-active esters of polymerized polyethenoid fatty acids. 2,987,490, 6–6–61, Cl. 260—19.
Kirkpatrick, Willard H., V. L. Seale, and A. Walker, to Visco Products Co. Deemulsification of oil-in-water emulsions. 3,004,924, 10–17–61, Cl. 252—344.
Kirkup, Richard P.; *See*—
Garraway, George H., and Kirkup. 2,976,885.
Masnik, Walter, and Kirkup. 2,992,527.
Kirkwood, George B., and J. H. Greene, to Texaco Inc. Corrosion inhibiting oxidates and process for their production. 2,978,472, 4–4–61, Cl. 260—451.
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Kirsch, Kurt, and O. Weinreich, to Telefunken G.m.b.H. Conveyor systems. 2,991,893, 7–11–61, Cl. 214—11.
Kirschey, Gerhard. Friction wheel drive. 3,011,363, 12–5–61, Cl. 74—796.
Kirschner Hans G.: *See*—
Kreuter, Herbert, Sommer, and Kirschner. 3,007,904.
Kirschner, Hans G., A. G. M. Gumboldt, and G. Bier, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of propylene of high molecular weight. 3,002,961, 10–3–61, Cl. 260—93.7.
Kirshenbaum, Isidor: *See*—
Bartlett, Jeffrey H., and Kirshenbaum. 2,988,440.
McCulloch, William J. G., and Kirshenbaum. 2,978,420.
Kirshenbaum, Isidor, to Esso Research and Engineering Co. Bacteriological desulfurization of petroleum. 2,975,103, 3–14–61, Cl. 195—3.
Kirshenbaum, Isidor, and J. A. Hinlicky, to Esso Research and Engineering Co. Preparation of improved alumina supported catalyst. 2,970,892, 2–7–61, Cl. 23—143.
Kirshner, Jack. Removable finding for notions. 3,014,298, 12–26–61, Cl. 41—10.
Kirstahler, Alfred, and K. Goldann, to Bohme Fettchemie G.m.b.H. Foaming cleansing composition. 2,989,484, 6–20–61, Cl. 252—110.
Kirsten, Berndt. Combined knob and dial. Re. 24,999, 6–20–61, Cl. 116—124.
Kirsten, Berndt. Combined knob and dial. 2,987,032, 6–6–61, Cl. 116—124.
Kirsten, Paul A. Rotary tool for woodworking and woodcutting machines. 3,014,511, 12–26–61, Cl. 144—230.
Kirtchik, Hyman, to General Electric Co. Refractory sulfide casting cores. 3,011,233, 12–5–61, Cl. 22—165.
Kirton, Joseph M. Stapling machine. 3,005,988, 10–31–61, Cl. 1—49.
Kirz, Robert F.: *See*—
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Kis, George, and M. H. Murphy, to Packard Bell Electronics Corp. Infrared navigation system. 3,002,093, 9–26–61, Cl. 250—83.3.
Kiscadden, Christine. Zipper mouth doll. 2,995,865, 8–15–61, Cl. 46—116.
Kise, Mearl A., to Allied Chemical Corp. Absorption of formaldehyde in alkaline urea solution. 2,977,386, 3–28–61, Cl. 260—553.
Kise, William K., Jr.: *See*—
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Kiser, Albert L., to Product Development Corp. Foldable tackle box. 2,999,621, 9–12–61, Cl. 224—5.
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Edwards, Jennings B. 3,001,403.
Kish, Arnold C. Beverage dispensing device. 2,997,208, 8–22–61, Cl. 222—70
Kish, Arnold C. Liquid dispensing device. 2,991,916, 7–11–61, Cl. 222—386.5.
Kish Industries, Inc.: *See*—
Kish, Steven P., Donnell, and Graves. 2,970,818.
Kish, Nicholas W., to Rockwell Mfg. Co. Combined wrench, lock, hood and indicator for valves. 2,979,076, 4–11–61, Cl. 137—382.
Kish, Paul. Air floated grinder. 2,992,520, 7–18–61, Cl. 51—166.
Kish, Steven P., J. W. Donnell, and D. M. Graves, to Kish Industries, Inc. Mixing apparatus. 2,970,818, 2–7–61, Cl. 259—8.
Kishbaugh, Warren E.: *See*—
Collins, Cameron C., and Kishbaugh. 2,967,326.
Kishi, Hajime J., T. R. Sheridan, and A. Liguori, to Radio Corp. of America. Timing circuit. 3,012,228, 12–5–61, Cl. 340—172.5.
Kishi, Teruo: *See*—
Kinoshita, Shukuo, Tanaka, Nagano, and Kishi. 3,003,923.
Kisky, Christian. Toothbrush. 3,010,131, 11–28–61, Cl. 15—167.
Kispert, Edwin G.: *See*—
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Kiss, Agoston Z.: *See*—
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Kissa, Erik, to E. I. du Pont de Nemours and Co. Hydrocarbon-soluble alkali metal compositions. 3,013,869, 12–19–61, Cl. 44—66.
Kissin, Sidney, to Sperry Rand Corp., Ford Instrument Co. Division. Bomb ballistics mechanism. 2,996,244, 8–15–61, Cl. 235—61.5.
Kist, Karl E., to Harris-Intertype Corp. Sheet registering mechanism and method. 2,984,483, 5–16–61, Cl. 271—58.
Kist, Karl E., and J. E. Vandeman, to Harris-Intertype Corp. Sheet registering mechanism. 2,984,482, 5–16–61, Cl. 271—46.
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Kistiakowsky, George B., D. P. McDougall, J. H. Lum, J. K. Bragg, and G. H. Messerly, to United States of America, Navy. Explosive streamer. 2,966,822, 1–3–61, Cl. 86—1.
Kistler, Max W., to American Brake Shoe Co. Railroad equipment. 2,993,669, 7–25–61, Cl. 246—428.
Kistler, Walter P., to United States of America, Air Force. Gyroscopic pendulum. 2,996,923, 8–22–61, Cl. 74—5.34.
Kistler, Werner. Apparatus for the preparation of cotton wool balls. 2,987,781, 6–13–61, Cl. 19—144.5.
Kistner, Merrill M.: *See*—
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Kistner, Merrill M., and E. G. Tesmer, to Steam Iron Corp. Steam iron. 2,976,627, 3–28–61, Cl. 38—77.

Kita, Donald A., to Chas. Pfizer & Co., Inc. Oxygenation of steroids with *Streptomyces halstedii*. 2,991,230, 7–4–61, Cl. 195—51.

Kita, Sholchi, to Nippon Telegraph and Telephone Public Corp. Semiconductor diode. 3,012,174, 12–5–61, Cl. 317—236.

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Kinoshita, Shukuo, Nakayama, Udaka, and Kitada. 2,988,489.

Kitahara, Kakuo, to Kyowa Hakko Kogyo Co., Ltd. Process for the production of L-malic acid. 2,972,566, 2–21–61, Cl. 195—30.

Kitamura, Yoichi, to Toyo Kohan Co., Ltd. Electrochemical treatment of metal surfaces and the products thereof. 2,998,361, 8–29–61, Cl. 204—56.

Kitchen, Asa N.: *See*—
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Kitchen, Earl M. Bow tie clip. 3,005,989, 10–31–61, Cl. 2—154.

Kitchen, John A.: *See*—
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Kitchens, Clyde T.: *See*—
Ghormley, James G., Jr., and Kitchens. 2,975,708.
Ghormley, James G., Jr., and Kitchens. 3,002,451.

Kitchens, Garry C., to The Givaudan Corp. Dihydromercenyl monoacetate. 3,005,019, 10–17–61, Cl. 260—489.

Kitchens, Jesse L., Jr.: *See*—
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Kitko, Bartholomew J., to Thompson Ramo Wooldridge Inc. Seal means for a rotary heat exchanger. 3,000,617, 9–19–61, Cl. 257—269.

Kitrell, R. L. Welding apparatus and dam. 2,981,824, 4–25–61, Cl. 219—125.

Kitson, Gerald L. Ventilating system. 2,995,507, 8–8–61, Cl. 98—33.

Kitson, Gerald L. Egg grader. 3,000,500, 9–19–61, Cl. 209—121.

Kitson, Joseph R., to Casavan Industries. Composite panels for building constructions. 3,000,144, 9–19–61, Cl. 50—268.

Kittle, Irene T.: *See*—
Kittle, Levi O. and I. T. 2,987,742.

Kittle, Levi O. and I. T. Brush having foam rubber massage and polishing pad therefor. 2,987,742, 6–13–61, Cl. 15—114.

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Kittleman, Robert H.: *See*—
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Kittleman, Robert H., and R. G. Warren, to United States of America, Navy. Roll control system. 2,986,109, 5–30–61, Cl. 114—24.

Kittler, Milton J., to Holley Carburetor Co. Automatic carburetor primer. 2,977,948, 4–4–61, Cl. 123—119.

Kittler, Milton J., to Holley Carburetor Co. Fuel level adjustment means. 3,010,475, 11–28–61, Cl. 137—426.

Kittrell, Doity E. Tipping-body tail gate latch. 2,991,127, 7–4–61, Cl. 298—23.

Kivala, Walter J., and D. W. Mason, to Harbison-Walker Refractories Co. Furnace roof blocks with hangers. 2,991,736, 7–11–61, Cl. 110—99.

Kivimaa, Eero M. Method for swaging teeth of saw blades, swaging machine and saw blade. 2,985,039, 5–23–61, Cl. 76—54.

Kiwi, Walter, to R. H. Hood Co. Securing apparatus. 3,001,346, 9–26–61, Cl. 53—135.

Kiyasu, Zen-iti: *See*—
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Kiyasu, Zen-iti, K. Husimi, and K. Yamanaka, to Nippon Telegraph and Telephone Public Corp. Parametrically excited resonator. 2,969,497, 1–24–61, Cl. 321—69.

Kiyasu, Zen-iti, and S. Muroga, to Nippon Telegraph and Telephone Public Corp. Switching system of binary phase signal. 2,998,531, 8–29–61, Cl. 307—88.

Kjeldgaard, Niels O., and J. Ploug, to Løvens kemiske Fabrik ved A. Kongsted. Urokinase and method of recovering the same. 2,983,647, 5–9–61, Cl. 167—73.

Kjellberg, Sven A.: *See*—
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Kjellman, Thomas K., to The Bendix Corp. System for controlling air conditioners with a pilot duty humidistat and rated horsepower thermostat. 3,012,411, 12–12–61, Cl. 62—173.

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Klaassens, Klaas H.: *See*—
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Frankel, Milton B., and Klager. 2,967,199.
Frankel, Milton B., and Klager. 2,978,495.
Frankel, Milton B., and Klager. 2,978,496.
Frankel, Milton B., and Klager. 2,978,497.
Frankel, Milton B., and Klager. 2,978,498.
Frankel, Milton B., and Klager. 2,978,504.
Frankel, Milton B., and Klager. 2,978,510.
Frankel, Milton B., and Klager. 3,000,948.
Frankel, Milton B., and Klager. 3,000,949.
Frankel, Milton B., and Klager. 3,000,950.
Frankel, Milton B., and Klager. 3,000,951.
Frankel, Milton B., and Klager. 3,000,971.
Vanneman, Clinton R., and Klager. 2,971,026.
Vanneman, Clinton R., and Klager. 2,978,483.
Vanneman, Clinton R., and Klager. 3,000,935.

Klager, Karl, to Aerojet-General Corp. Nitro keto alcohols and esters. 2,978,467, 4–4–61, Cl. 260—404.5.

Klager, Karl, to Aerojet-General Corp. Nitro-substituted diisocyanate compounds. 2,978,475, 4–4–61, Cl. 260—453.

Klager, Karl, to Aerojet-General Corp. Preparation of N-(nitroalkyl) amides. 2,978,503, 4–4–61, Cl. 260—561.

Klager, Karl, to Aerojet-General Corp. Alcohols. 2,978,516, 4–4–61, Cl. 260—632.

Klager, Karl, to Aerojet General Corp. Method of manufacturing tetranitropropane. 2,984,689, 5–16–61, Cl. 260—644.

Klager, Karl. Tetranitrodiethylamine derivatives. 2,985,683, 5–23–61, Cl. 260—465.5.

Klager, Karl, to Aerojet-General Corp. Polynitro-substituted dibasic acids and esters. 3,000,932, 9–19–61, Cl. 260—485.

Klager, Karl, to Aerojet-General Corp. Nnitroallyl alcohol esters and method of making same. 3,000,934, 9–19–61, Cl. 260—488.

Klager, Karl, to Aerojet-General Corp. N-(nitroalkyl)-alkenoyl amides. 3,000,941, 9–19–61, Cl. 260—561.

Klager, Karl, to Aerojet-General Corp. Nitro-containing unsaturated aldehydes. 3,000,959, 9–19–61, Cl. 260—601.

Klager, Karl, to Aerojet-General Corp. Method of preparing polynitro compounds. 3,000,966, 9–19–61, Cl. 260—644.

Klager, Karl, to Aerojet-General Corp. Alpha-omega-dinitroalkanes. 3,000,967, 9–19–61, Cl. 260—644.

Klager, Karl, to Aerojet-General Corp. Method of preparing nitro compounds. 3,000,968, 9–19–61, Cl. 260—649.

Klager, Karl, and C. R. Vanneman, to Aerojet-General Corp. Nitraza diisocyanates. 2,967,193, 1–3–61, Cl. 260—453.

Klager, Karl, and M. B. Frankel, to Aerojet-General Corp. Nitro-amino diisocyanates. 2,978,474, 4–4–61, Cl. 260—453.

Klager, Karl, and C. R. Vanneman, to Aerojet-General Corp. Nitraza diisocyanates. 2,978,476, 4–4–61, Cl. 260—453.

Klages, John W., to The Columbus Auto Parts Co. Carrier for outboard motor. 2,983,520, 5–9–61, Cl. 280—47.19.

Klages, John W., to The Columbus Auto Parts Co. Boat ladder. 2,992,697, 7–18–61, Cl. 182—206.

Klages, John W., to The Columbus Auto Parts Co. Carrier for outboard motors. 3,004,768, 10–17–61, Cl. 280—47.24.

Klahn, Richard, to Bell Telephone Laboratories, Inc. Digital-to-analog converter. 3,012,240, 12–5–61, Cl. 340—347.

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Klamer, Reuben B., to Link Research Corp. Toy vehicle window construction. 3,009,288, 11–21–61, Cl. 46—223.

Klamer, Reuben B., and D. W. Herrick, to Link Research Corp. Block bench toy. 2,994,967, 8–8–61, Cl. 35—22.

Klamer, Reuben B., and D. W. Herrick, to Link Research Corp. Educational pop-up toy. 3,004,353, 10–17–61, Cl. 35—22.

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Klamp, Paul, to Mechanical Handling Systems, Inc. Power and free conveyor system. 2,971,474, 2–14–61, Cl. 104—172.

Klamp, Paul, to Mechanical Handling Systems, Inc. Conveyor dispatch system. 2,976,376, 3–21–61, Cl. 200—33.

Klamp, Walter K.: *See*—
Saulino, Anthony J., McFarlane, and Klamp. 2,995,178.

Klancnik, Adolph V. Machine tools. 2,986,957, 6–6–61, Cl. 77—32.5.

Klancnik, Adolph V. Machine tools. 3,001,422, 9–26–61, Cl. 77—63.

Klank, Walter C., Jr.: *See*—
Hughes, Paul R., and Klank. 2,982,374.

Klank, Walter C., Jr., to United Aircraft Products, Inc. Liquid storage tank. 2,975,793, 3–21–61, Cl. 137—43.

Klank, Walter C., Jr., to United Aircraft Products, Inc. Liquid storage tank. 3,011,504, 12–5–61, Cl. 137—45.

Klapes, Michael C., to Delta Engineering Corp. Apparatus for channeling articles. 3,001,636, 9–26–61, Cl. 198—204.

Klapperich, Wilfred A.: *See*—
Pellaton, Ernest C., and Klapperich. 2,979,247.

Klappert, Helmut: *See*—
Kempermann, Theo, Lober, and Klappert. 3,004,944.

Klappert, Richard H., to Aldo. Prime mover for wheel chairs. 2,993,550, 7–25–61, Cl. 180—15.

Klapproth, John F., to General Electric Co. VTOL boundary layer control system. 3,013,744, 12–19–61, Cl. 244—12.

Klar, Adolph. Safety head and side lamps for motor vehicles. 2,996,606, 8–15–61, Cl. 240—7.1.

Klar, Paul G. Flat-bag packaging machine. 2,994,996, 8–8–61, Cl. 53—134.

Klare, Manfred, to G. Kromschroder Aktiengesellschaft. Means for connecting a fluid-handling device to a pipeline. 2,973,011, 2–28–61, Cl. 137—590.

Klarer, Hermann O., to Carrier Corp. Air conditioning units. 3,012,759, 12–12–61, Cl. 257—137.

Klas, Harold W. Anti-torpedo device. 2,967,505, 1–10–61, Cl. 114—240.

Klasens, Hendrik A., to North American Philips Co., Inc. Cathode ray tube display system. 2,975,415, 3–14–61, Cl. 343—17.

Klasens, Hendrik A., J. G. van Santen, and H. J. M. Joormann, to North American Philips Co., Inc. Solid-state image intensifier. 2,999,941, 9–12–61, Cl. 250—213.

Klasens, Hendrik, A., G. Diemer, and S. T. Stap, to North American Philips Co., Inc. Solid-state image intensifier. 2,999,942, 9–12–61, Cl. 250—213.

Klasens, Hendrik A., W. van Gool, and A. Bril, to North American Philips Co., Inc. Red luminescent materials for color television picture tubes. 3,010,909, 11–28–61, Cl. 252—301.6.

Klasing, Charles L., Jr., to Klasing Hand Brake Co. Combined lubricant reservoir and side stop for railway car truck journal bearings. 2,992,865, 7–18–61, Cl. 308—40.

Klasing Hand Brake Co.: *See*—
Klasing, Charles L., Jr. 2,992,865.
Sale, William H. 2,998,271.

Klass, Donald L., W. L. Sieker, and R. W. Watson, to Standard Oil Co. Composition of matter prepared by reacting polymerized linoleic acid with an amine and subsequently reacting the mixture with boric acid. 3,000,916, 9–19–61, Cl. 260—404.5.

Klassen, Stephen L., to Thermo Electric Co., Inc. Plug and jack assembly. 2,997,681, 8–22–61, Cl. 339—74.

Klatt, Harold A.: *See*—
Holland, Herman L., and Klatt. 2,993,312.

Klaue, Hans J.: *See*—
Dickmann, Johannes F. E., Klaue, and Heim. 3,010,642.

Klaue, Hermann. Air-cooled disc brake. 2,973,836, 3–7–61, Cl. 188—72.

Klaue, Hermann. Disc brakes and clutches. 2,989,149, 6–20–61, Cl. 188—72.

Klaue, Hermann. Non-boosted disc brake, more particularly for motor vehicles. 2,998,103, 8–29–61, Cl. 188—72.

Klaue, Hermann. Composite power plant. 3,003,307, 10–10–61, Cl. 60—13.

Klauer, Leslie H.: *See*—
Herman, Clarence A., and Klauer. 2,998,870.

Klaus, Kaspar: *See*—
Haug Mathias 2,983,509.

Klaus, Richard M., to Dover Corp. Automatic safety nozzle. 3,005,476, 10–24–61, Cl. 141—225.

Klausmann, Milton H., and R. P. Von Culin, to Seal-Spout Corp. Combined container and foil pouring spout. 2,983,410, 5–9–61, Cl. 222—532.

Klausner, George K.: *See*—
Robertson, Thomas H., and Klausner. 2,984,912.

Klavehn, Wilfrid, to Knoll A.G. Chemische Fabriken. (2-hydroxybicyclo-[2,2,1]-heptyl-2)phenylacetic acid and aminoalkyl esters thereof. 2,985,681, 5–23–61, Cl. 260—459.

Klavon, Joseph A., Jr., to Kelsey-Hayes Co. Automatic restrike die and feed mechanism. 2,999,527, 9–12–61, Cl. 153—34.

Klawiter, Werner. Push button spreader for salt, pepper, sugar, etc. 2,998,166. 8–29–61, Cl. 222—189.

Kleb, Karl G., to Farbenfabriken Bayer Aktiengesellschaft. Process for dyeing and printing of textile materials containing hydroxyl groups. 2,995,412, 8–8–61, Cl. 8—54.2.

Klebba, Arthur A.: *See*—
Snow, Chester A., Jr., and Klebba. 3,003,772.

Klebe, Hans: *See*—
Schuler, Wilhelm A., and Klebe. 2,974,139.

Kleboe, John E.: *See*—
Muskat, Louis R., Klopfenstein, and Kleboe. 2,974,458

Kleebauer, Alfred A. Tub-type dishwashing machine. 2,970,819, 2–7–61, Cl. 259—95

Kleekamm, Fritz, and E. Siggel, to Vereinigte Glanzstoff-Fabriken AG. Apparatus for the production of low-shrinkage polyethylene terephthalate threads. 2,988,866, 6–20–61, Cl. 57—55.5.

Kleekamm, Fritz, E. Siggel, and T. Rack, to Vereinigte Glanzstoff-Fabriken A.G. Apparatus for heat-stretching of synthetic polymer threads. 3,009,231, 11–21–61, Cl. 28—71.3.

Kleen Test Products, Inc.: *See*—
Rogovin, Sidney H. 2,983,369.

Klees, George N., to North American Aviation, Inc. Transistorized, voltage regulated power supply. 2,984,779, 5–16–61, Cl. 323—22.

Klees, Ralph A., to Weltronic Co. Timing circuit. 2,991,348, 7–4–61, Cl. 219—114.

Kleger, Ferdinand. Machines for cutting out embroideries. 2,992,579, 7–18–61, Cl. 83—107.

Kleiber, Carl E., to Esso Research and Engineering Co. Carbon level analyzer. 2,984,542, 5–16–61, Cl. 23—1.

Kleifisch, Rudolf. Annealing hoods. 3,008,700, 11–14–61, Cl. 263—49.

Kleiman, Morton: *See*—
Goldman, Arthur, and Kleiman. 3,000,973.

Kleiman, Morton, and A. Goldman, to Velsicol Chemical Corp. Chlorinated derivatives of diels-alder adduct of pentachloropentadiene and cyclopentadiene. 3,000,974, 9–19–61, Cl. 260—648.

Klein, Adolph: *See*—
Gebert, Russell C., Klein, and Smiley. 2,977,660.

Klein, Albert. Aircraft propeller arrangement and means for elongating same. 2,979,288, 4–11–61, Cl. 244—55.

Klein, Andre. Filing racks. 2,983,387, 5–9–61, Cl. 211—40.

Klein, Arthur F., and A. Voorhees, to American Cyanamid Co. Process and composition for coloring fibrous materials. 2,995,413, 8–8–61, Cl. 8—70.

Klein, Bruce W., to The Bendix Corp. Friction controlling means. 3,007,549, 11–7–61, Cl. 188—78.

Klein, Charles: *See*—
Turner, William G., and Klein. 3,002,655.

Klein, Clarence F.: *See*—
Joseph, Maurice J., Cox, and Klein. 2,970,743.

Klein, Clarence F., and G. S. Sexton, II, to The Lord Baltimore Press, Inc. Sealed carton and method of forming. 2,970,525, 2–7–61, Cl. 93—36.

Klein, Clarence J., and T. P. Caine, to National Steel Corp. Galvanizing. 3,010,844, 11–28–61, Cl. 117—51.

Klein, Clifford J., to Specialties Development Corp. Flame detecting apparatus. 2,994,859, 8–1–61, Cl. 340—228.

Klein, David X., and T. A. Girard, to Heyden Newport Chemical Corp. Production of trichlorobenzoic acids. 3,009,942, 11–21–61, Cl. 260—465.

Klein, Edmund P.: *See*—
Leuthesser, Edward F., and Klein. 2,970,699.

Klein, Edward, to Quaker Stretcher Co. Combined table and rack. 2,998,884, 9–5–61, Cl. 211—2.

Klein, Edward I. Table lighter. 2,995,915, 8–15–61, Cl. 67—4.1.

Klein, Edward J., to Minneapolis-Honeywell Regulator Co. Control mechanism. 2,984,404, 5–16–61, Cl. 236—4.

Klein, Elias: *See*—
Baril, Albert, Jr., and Klein. 2,976,145.

Klein, Elias, D. J. Stanonis, and P. Harbrink, to United States of America, Agriculture. Production of strong, rot-resistant benzyl cellulose fibers. 2,990,234, 6–27–61, Cl. 8—120.

Klein, Eugene A.: *See*—
Bain, Joseph P., Gary, and Klein. 3,014,047.
Bain, Joseph P., Hunt, Klein, and Booth. 2,972,632.

Klein, Eugene A., to The Glidden Co. Conversion of a pinane alcohol 2,972,633, 2–21–61, Cl. 260—601.

Klein, Frederick J. Phonograph tone arm. 2,983,517, 5–9–61, Cl. 274—23.

Klein, Gerald, to United States of America, Army. Backward wave tube amplifier-oscillator. 2,970,241, 1–31–61, Cl. 315—3.6.

Klein, Heinrich, to Eschweiler Bergwerks-Verein. Process and apparatus for manufacturing reinforced plastic tubes. 3,004,286, 10–17–61, Cl. 18—13.

Klein, Howard C.: *See*—
Beckmann, Charles O., Klein, and Griffith. 2,967,869.
Hochberg, Melvin, Ely, and Klein. 2,974,043.

Klein, Howard C., and R. Kapp, to Nopco Chemical Co. Preparation of vitamin A alcohol. 2,972,634, 2–21–61, Cl. 260—617.

Klein, Howard C., and R. Griffith, to Nopco Chemical Co. α-hydroxy-β,β-dimethyl-γ-butyrolactone and a process for producing same. 2,976,298, 3–21–61, Cl. 260—343.6.

Klein, Howard C., R. Kapp, and R. Griffith, to Nopco Chemical Co. Process for obtaining D(—)-α-hydroxy-β,β-dimethyl-γ-butyrolactone. 3,009,922, 11–21–61, Cl. 260—343.6.

Klein, Irvin I., to Catalyst Research Corp. Apparatus for classifying light-weight objects. 2,979,198, 4–11–61, Cl. 209—74.

Klein, Iven W.: *See*—
Kooiker, Ralph L., and Klein. 2,998,123.

Klein, Iven W., to The Sioux Steel Co. Gear case. 2,997,894, 8–29–61, Cl. 74—606.

Klein, Iven W., to Sioux Steel Co. Jointed conveyor. 3,014,575, 12–26–61, Cl. 198—213.

Klein, Johannes: *See*—
Wille, Rudolf, and Klein. 2,982,315.

Klein, Joseph J.: *See*—
Muskat, Irving E., and Klein. 2,972,554.

Klein, Joseph J., to Fiber Bond Corp. Air filter. 2,988,169, 6–13–61, Cl. 183—49.

Klein, Joseph J., to Fiber Bond Corp. Air filter. 3,005,516, 10–24–61, Cl. 183—49.

Klein, Keith W., to General Electric Co. Interval timer. 2,981,808, 4–25–61, Cl. 200—38.

Klein, Leonard: *See*—
Kuzell, Charles R., Fowler, Klein, and Davis. 2,989,397.

Klein, Lewis D. Modular sill element. 2,994,987, 8–8–61, Cl. 50—118.

Klein, Lewis D. Strip brace. 3,010,162, 11–28–61, Cl. 20—9.

Klein, Marie-Louise: *See*—
Latour, Henri. 2,968,200.

Klein, Michael R., to The University of Kansas Research Foundation. Method and apparatus for obtaining specimens of viable bronchial epithelial cells. 3,003,496, 10–10–61, Cl. 128—2.

Klein, Michael R. Variable focusing, multi-beam, illuminating device. 3,005,087, 10–17–61, Cl. 240—1.4.

Klein, Norman E.: *See*—
Evans, Cyril G., Harmon, and Klein. 2,977,661.
Harmon, Albert D., and Klein. 2,981,496.

Klein, Norman E., to Deering Milliken Research Corp. Yarn crimping apparatus and methods. 2,987,869, 6–13–61, Cl. 57—34.

Klein, Norman E., to Deering Milliken Research Corp. Yarn twisting apparatus. 3,001,356, 9–26–61, Cl. 57—58.84.

Klein, Norman E., and C. G. Evans, to Deering Milliken Research Corp. Apparatus for processing thermoplastic yarns. 2,977,746, 4–4–61, Cl. 57—34.
Klein, Ralph A.: *See*—
Hale, James F., Klein, and Bradway. 2,980,543.
Klein, Richard J.: *See*—
Moyer, Elmo E., and Klein. 3,005,142.
Klein, Siegfried, to Commissariat a l'Energie Atomique. Ion sources. 2,969,480, 1–24–61, Cl. 315—111.
Klein, Siegfried, to Commissariat a l'Energie Atomique. Ion source. 2,977,495, 3–28–61, Cl. 313—63.
Klein, Stephen V.: *See*—
Engleson, Harry E., and Klein. 2,983,374.
Klein, Victor G.: *See*—
Mueller, Carl H., and Klein. 3,013,531.
Klein, Walter A.: *See*—
Jones, William C., and Klein. 2,976,567.
Klein, Walter A., A. J. Mason, and J. Holzschu, to The Dow Chemical Co. Dispensing container. 3,011,688, 12–5–61, Cl. 223—47.
Klein, Walter W., Jr., and A. E. Tilley, to California Research Corp. Seismic section plotter. 2,976,107, 3–21–61, Cl. 346—109.
Klein, Walter W., Jr., and O. A. Fredriksson, to California Research Corp. Seismic data display. 3,006,713, 10–31–61, Cl. 346—108.
Klein, Werner, and W. Friz, to C. Lorenz, Aktiengesellschaft. Highly compressive gun system comprising a combined electrostatic and magnetic focusing. 3,001,095, 9–19–61, Cl. 313—84.
Kleine, Johannes: *See*—
Indest, Heinz, Kleine, and Stohr. 2,978,438.
Kleine, Werner K. M. Drill heads and cutting tools therefor. 2,969,699, 1–31–61, Cl. 77—68.
Kleineberg, Gustav: *See*—
Zimmermann, Otto, Kleineberg, and Hermanni. 3,012,476.
Kleinecke, Albert L. Exhaust filter-muffler. 2,984,315, 5–16–61, Cl. 183—4.5.
Kleiner, Helmut: *See*—
Kruckenberg, Winfried, Nussler, Singer, and Kleiner. 2,972,508.
Weis, Konrad, and Kleiner. 2,993,886.
Weis, Konrad, Kleiner, and Bayer. 3,005,677.
Kleiner, Helmut, and H. Gutjahr, to Farbenfabriken Bayer Aktiengesellschaft. Process and compositions for the manufacture of ice colors in textile printing. 2,989,359, 6–20–61, Cl. 8—45.
Kleiner, Walter B.: *See*—
Foulke, Donald G., Stoddard, Kardos, and Kleiner. 2,976,225.
Kleinewefers, Joh., Sohne: *See*—
Siegel, Peter. 3,006,610.
Kleinholz, Milton P., to Sinclair Refining Co. Detergent multigrade lubricant. 2,991,246, 7–4–61, Cl. 252—32.7.
Kleinhuizen, Nickolas H.: *See*—
Mulder, Marvin W., and Kleinhuizen. 2,981,554.
Kleinman, Jacob L. Cushioning shaving head units for shaving implements. 2,979,819, 4–18–61, Cl. 30—43.
Kleinman, Leonard: *See*—
Berk, Aristid D., Nelson, and Kleinman. 3,014,184.
Kleinman, Maurice, to United States of America, Navy. Antifog lens. 3,012,248, 12–12–61, Cl. 2—14.
Kleinman, Miles H.: *See*—
Boozenny, Alex, Kleinman, and Tarsey. 2,992,098.
Kleinmann, Earl E., and P. F. Tooman, to Phillips Petroleum Co. Dusting particles of adhesive materials. 3,012,900, 12–12–61, Cl. 117—4.
Kleinpenning, Johannus L., to North American Philips Co., Inc. Article-storing closet. 2,967,081, 1–3–61, Cl. 312—268.
Kleinpeter, Edward W., to Ethyl Corp. Vented enclosure for electrical devices. 2,985,337, 5–23–61, Cl. 220—88.
Kleinschmidt, Edward F., to Smith-Corona Merchant Inc. Tape control transmitter. 3,013,118, 12–12–61, Cl. 178—17.
Kleinschmidt, Edward F., C. P. and H. A. Anderson, C. H. Clark, and D. C. Sherrick, to Smith-Corona Marchant Inc. Printing telegraph equipment. 2,982,810, 5–2–61, Cl. 178—4.
Kleinschmidt, Edward F., and C. P. Anderson, to Smith-Corona Marchant Inc. Tape controlled transmitter. 2,982,817, 5–2–61, Cl. 178—17.
Kleinschmidt, Edward F., J. W. Ehrlich, and E. E. Podwojski, to Smith-Corona Marchant Inc. Communications equipment. 3,009,988, 11–21–61, Cl. 178—2.
Kleinschmidt, Edward F., and J. A. Mankawich, to Smith-Corona Marchant Inc. Printer and perforator. 3,014,095, 12–19–61, Cl. 178—92.
Kleinschmidt, Hans-Joachim, to Gelenkwellenbau G.m.b.H. Shearing coupling, especially for universal joint shafts. 2,976,704, 3–28–61, Cl. 64—28.
Kleinschmidt, Hans-Joachim, to Gelenkwellenbau G.m.b.H. Arrangement for sealing the studs of universal joint shafts and the like. 2,996,901, 8–22–61, Cl. 64—17.
Kleinschmidt, Hans-Joachim, to Gelenkwellenbau, G.m.b.H. Coupling, especially for universal joint shafts and the like. 2,999,374, 9–12–61, Cl. 64—11.
Kleinschmidt, Hans-Joachim, to Gelenkwellenbau G.m.b.H. Centering system for rubber elements of universal joint shafts and the like. 3,013,828, 12–19–61, Cl. 287—85.
Kleinschmidt, Harry, and H. A. Stoffel. Ball faucet valve. 2,973,179, 2–28–61, Cl. 251—86.
Kleinschmidt, Roger F., and S. H. Pitts, Jr., to Phillips Petroleum Co. Stabilizer for bromo-substituted acetylenic compounds. 3,002,029, 9–26–61, Cl. 260—652.5.
Kleis, Derk, to North American Philips Co., Inc. Method of recording and apparatus for recording signals. 3,012,104, 12–5–61, Cl. 179—100.2.
Kleis, Derk, and R. Vermeulen, to North American Philips Co., Inc. Sound reproduction system. 2,982,821, 5–2–61, Cl. 179—100.1.
Kleiss, Louis D., to Phillips Petroleum Co. Process control system. 2,994,646, 8–1–61, Cl. 202—160.
Kleissmann, Alfred: *See*—
Glaser, Wolfgang, and Kleissmann. 2,970,021.
Kleist, Dale, and H. J. Snow, to Owens-Corning Fiberglas Corp. Apparatus for controlling the distribution of molten material. 2,972,209, 2–21–61, Cl. 49—14.
Kleist, Leroy C.: *See*—
Barton, Wesley B., Chapman, Ferry, Joehlin, Kleist, and Tyler. 2,996,184.
Kleist, Lester E.: *See*—
Plate, John R., Carlin, and Kleist. 3,006,393.
Klem Chemicals, Inc.: *See*—
Yaroch, William L. 2,975,140.
Klemchuk, Peter P., to Esso Research and Engineering Co. Method of preparing cyclic ketones from nonconjugated polyolefins. 2,995,607, 8–8–61, Cl. 260—586.
Klement, John F., to Ampco Metal Inc. Aluminum bronze alloy having improved wear resistance by the addition of cobalt and manganese. 2,979,397, 4–11–61, Cl. 75—161.
Klement, John F., to Ampco Metal, Inc. Method of heat treating a cast aluminum bronze article. 3,007,821, 11–7–61, Cl. 148—13.2.
Klemes, Martin S.: *See*—
Zeigler, Edgar L., and Klemes. 2,970,480.
Klemm, Arthur R., Jr. Fruit harvester. 2,990,669, 7–4–61, Cl. 56—334.
Klemm, Ernst, to H. Berg. Fencing strip. 3,010,701, 11–28–61, Cl. 256—8.
Klemm, Herman G., to Massey-Ferguson Inc. Air cleaner. 2,988,166, 6–13–61, Cl. 183—15.
Klemm, Joseph, to Boesch Mfg. Co., Inc. Apparatus for loading coil winding machine shuttles. 3,010,505, 11–28–61, Cl. 153—2.
Klemm, William F. Moistening and heating device. 2,973,705, 3–7–61, Cl. 99—234.
Klemm, William F. Moistening and heating device. 2,980,099, 4–18–61, Cl. 126—20.
Klemme, Roland M., deceased, by V. K. Klemme, executrix. Lamp for keyboard instruments. 3,007,037, 10–31–61, Cl. 240—4.
Klemme, Virginia K.: *See*—
Klemme, Roland M. 3,007,037.
Klemperer, Hans, to Raytheon Co. Moving target radar system. 2,974,317, 3–7–61, Cl. 343—7.7.
Klemperer, Wolfgang B., to Douglas Aircraft Co., Inc. Visual simulator for flight training device. 2,979,832, 4–18–61, Cl. 35—12.
Klemt, Gunter, to Jos. Schneider & Co., Optische Werke. High-speed gaussian dual objective. 3,005,379, 10–24–61, Cl. 88—57.
Klenck, Herbert R., to Pneumatic Tool Sales & Repair Co. Inc. Pneumatically driven tool for marking, carving and light hammering. 2,982,255, 5–2–61, Cl. 121—25.
Klenk, Hans, to Hakle Werke. Method of producing pearl crepe paper and apparatus therefor. 2,995,180, 8–8–61, Cl. 154—30.
Klensch, Richard J.: *See*—
Kihn, Harry, and Klensch. 2,994,874.
Klenz, Karl A. Vertical Venetian blind. 2,996,115, 8–15–61, Cl. 160—168.
Klepp, George F., and O. H. Dalton, to International Standard Electric Corp. Cold cathode character display tubes. 2,996,635, 8–15–61, Cl. 313—109.5.
Klepper, Raphael. Inflatable cushion 2,987,114, 6–6–61, Cl. 155—178.
Klesa, Arlene. Restraining device. 2,998,008, 8–29–61, Cl. 128—133.
Klessmann, Erich: *See*—
Kohler, Walter. 2,970,619.
Klettke, Walter G., to The Upjohn Co. Bottle stoppering apparatus. 2,979,875, 4–18–61, Cl. 53—320.
Klicker, James D.: *See*—
Huff, George F., and Klicker. 2,968,540.
Pearson, Richard K., and Klicker. 2,994,718.
Kliever, Waldo H.: *See*—
Little, Charles H., and Kliever. 3,009,141.
Kliever, Waldo H. Binary scale reading system. 2,970,292, 1–31–61, Cl. 340—172.5.
Kliever, Waldo H., to Minneapolis-Honeywell Regulator Co. Radio controlled automatic pilots. 3,005,140, 10–17–61, Cl. 318—489.
Kliever, Waldo H., and W. M. Ross, to Minneapolis-Honeywell Regulator Co. High speed sonar scanning apparatus. 2,995,725, 8–8–61, Cl. 340—3.
Klimkowski, Robert J., and C. J. Shoemaker, to A. B. Dick Co. Method of producing a spirit master from a positive and a duplicating process with same. 2,969,015, 1–24–61, Cl. 101—149.4.
Klimstra, Paul D.: *See*—
Counsell, Raymond, and Klimstra. 3,009,934.
Counsell, Raymond E., and Klimstra. 2,980,710.

Kline, Arthur J., Jr., and F. C. Hassett, to Radio Corp. of America. Pulse generator. 2,994,855, 8–1–61, Cl. 340—174.
Kline, Charles M., to Sperry Rand Corp. Joint. 3,010,295, 11–28–61, Cl. 64—17.
Kline, Jack, to Sanders Associates, Inc. Synchronized regenerative amplifier. 3,003,118, 10–3–61, Cl. 331—55.
Kline, Joseph D., and D. E. Holcomb, Jr., to Ryan Aeronautical Co. Component output characteristic tracer. 2,980,853, 4–18–61, Cl. 324—57.
Kline, Paul C., to United States of America, Navy. Refrigerated hopper equipment for automatic riveting machines. 3,012,455, 12–12–61, Cl. 78—46.
Kline, Richard H., to The Goodyear Tire & Rubber Co. Diene rubber with a para-beta cyanoalkylaminodiphenylamine antiozonant. 3,008,921, 11–14–61, Cl. 260—45.9.
Kline, Robert E.: *See*—
Beuther, Harold, Kline, and Zabor. 2,968,606.
Kline, Robert H.: *See*—
Mallory, Edwin E., Heston, Kline, and Christy. 2,970,341.
Kline, Samuel M., to Koppers Co., Inc. Protectors. 3,002,640, 10–3–61, Cl. 215—12.
Klinefelter, Glenn B., to Gorton Heating Corp. Air valves. 3,002,522, 10–3–61, Cl. 137—202.
Kling, August J.: *See*—
Green, Charles F., Taylor, Kling, and Metcalf. 3,007,050.
Kling, Lloyd D., and W. S. Mattingley, to A. W. Cash Co. Attachment for turret lathe. 2,995,805, 8–15–61, Cl. 29—42.
Klingberg, Anders I. Braking device for fishing reels. 2,967,676, 1–10–61, Cl. 242—84.52.
Klingberg, George H., to A. Wimpfheimer & Bro. Inc. Multilayer heat insulating fabric. 3,013,588, 12–19–61, Cl. 139—410.
Klingelnberg, W. Ferd., Sohne: *See*—
Schicht, Heinrich. 2,984,956.
Klingener, Harry F., to Sonotone Corp. Phonograph pickups. Re. 24,968, 4–18–61, Cl. 177—100.41.
Klinger, Karl A. Self-sealing valves. 2,989,283, 6–20–61, Cl. 251—86.
Klinger, Yehuda: *See*—
Lewin, Leonard, and Klinger. 3,013,217.
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Klingler, Karl A. Vacuum delivery belt. 2,969,869, 1–31–61, Cl. 198—180.
Klingler, Martin L., to AMP Inc. Pressure intensification device. 2,972,867, 2–28–61, Cl. 60—54.6.
Klingler, Martin L., to AMP Inc. Hydraulic system for operating a crimping tool. 2,973,625, 3–7–61, Cl. 60—52.
Klingman, Gilbert E.: *See*—
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Klingsberg, Frwin, to American Cyanamid Co. Anthraquinonyl sulfones and production thereof. 2,995,584, 8–8–61, Cl. 260—370.
Klingspor, Carl. Grinding wheel. 2,982,060, 5–2–61, Cl. 51—206.
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Holmstrom, Gosta R., and Klingstrom. 2,985,363.
Klinkenberg, Jan W., to Shell Oil Co. Catalytic conversion of hydrocarbons. 2,982,799, 5–2–61, Cl. 260—683.15.
Klinkhamer, Jacob F., to North American Philips Co., Inc. Arrangement for reducing crosstalk in automatic telephone exchanges. 2,982,820, 5–2–61, Cl. 179—16
Klinksiek, Karl W., to Wagner Electric Corp. Coil winding machine. 3,011,728, 12–5–61, Cl. 242—9.
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Klohs, Murle W., M. D. Draper, and F. Keller, to Riker Laboratories, Inc. Alkaloid and process for its production. 2,974,144, 3–7–61, Cl. 260—287.
Klokow, Richard E., and R. L. Gasperetti, to Westinghouse Electric Corp. Electrical control apparatus. 3,007,105, 10–31–61, Cl. 322—36.
Klomparens, William, to The Upjohn Co. Cycloheximide acetate horticultural fungicidal composition and method of use. 2,980,580, 4–18–61, Cl. 167—33.
Klomparens, William, to The Upjohn Co. Anhydrocycloheximide and its horticultural fungicidal use. 2,982,687, 5–2–61, Cl. 167—33.
Klomparens, William, to The Upjohn Co. Dehydrocycloheximide and its systemic translocation antifungal use for foliage growth. 2,982,688, 5–2–61, Cl. 167—33.
Klonoski, Stephen W., and K. A. Merz, to The Torrington Mfg. Co. Fan blade and hub assembly. 3,005,497, 10–24–61, Cl. 170—160.53.
Klooss, Siegfried, to VEB Schuh-und Sattlermaschinenbau Leipzig. Conveyor control system. 2,967,603, 1–10–61, Cl. 198—38.
Kloosterziel, Hendrik, to Shell Oil Co. Chlorination of saturated hydrocarbons. 2,970,952, 2–7–61, Cl. 204—163.
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Kloote, George E., J. A. Potchen, and G. D. Meier, to Evans Products Co. Plastic truck body construction. 3,003,810, 10–10–61, Cl. 296—31.
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Klopp, Edward W., and W. G. Darland, Jr., to Union Carbide Corp. Activation accelerators. 2,997,518, 8–22–61, Cl. 136—90.
Klopp, Friedrich, F. Klopp, Jr., and F. Lessenich, to Klopp-Werke G.m.b.H. Hydraulic drives for rectilinear alternating motions for reciprocating machines. 2,972,864, 2–28–61, Cl. 60—52.
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Klös, Heinrich, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation and purification of alkyl mercuric salts. 2,967,190, 1–3–61, Cl. 260—431.
Klosa, Josef, to Delmar Chemicals, Ltd. Flavone-7-oxyacetamides. 3,002,979, 10–3–61, Cl. 260—345.2.
Klose, Alfred J., to Wallace O. Leonard, Inc. Valve. 2,973,008, 2–28–61, Cl. 137—516.29.
Kloss, Hans-Joachim, to Julius Montz, K.G., Apparatebau. Internal structure for heat and mass exchanging columns. 2,981,665, 4–25–61, Cl. 202—158.
Kloss, Richard, to Klockner-Humboldt-Deutz Aktiengesellschaft. Air cooled internal combustion engine. 2,989,042, 6–20–61, Cl. 123—41.65.
Klossika, Walter, to Telefunken G.m.b.H. Method of forming an hermetic seal. 2,996,801, 8–22–61, Cl. 29—525.
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Klumpp, Ferdinand, Jr., and W. H. Jemison, to Heyman Mfg. Co. Self-locking bushing. 3,001,007, 9–19–61, Cl. 174—153.

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Kluver, Johan W., to Bell Telephone Laboratories, Inc. Traveling wave tube. 2,999,959, 9–12–61, Cl. 315—3.6.

Klyce, David J., to Nordberg Mfg. Co. Drive and coupling for screens. 2,970,694, 2–7–61, Cl. 209—367.

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Knabe, John A.: *See*—
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Knabe, Norbert N., J. A. and T. J. Insert pump. 2,994,278, 8–1–61, Cl. 103—155.

Knabe, Thomas J.: *See*—
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Knapp, Carroll L., Jr., and S. L. Wythe, to Esso Research and Engineering Co. Phosphosulfurized detergent-inhibitor additive. 2,969,324, 1–24–61, Cl. 252—32.7.

Knapp, Charles A., W. E. Budd, and K. S. Stone, to Dorr-Oliver, Inc. Apparatus for the treatment of polluted liquids. 3,010,581, 11–28–61, Cl. 210—151.

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Knapp, Heinrich, and L. Steinke, to Robert Bosch, G.m.b.H. Fuel injection apparatus for internal combustion engines. 3,000,368, 9–19–61 Cl. 123—119.

Knapp, Heinrich, and L. Steinke, to Robert Bosch G.m.b.H. Fuel injection valve arrangement. 3,004,720, 10–17–61, Cl. 239—585.

Knapp, Lewis G.: *See*—
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Uthoff, Robert D. 3,009,244.
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Knapp, Ralph S., to Tri-Trix Inc. Spreaders for liquids and semi-liquids. 2,982,987, 5–9–61, Cl. 15—545.

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Knapp, Richard P., J. R. Sims, and F. T. Focht, to Jersey Production Research Co. Method for installing controls to and operating an underwater well. 2,970,646, 2–7–61, Cl. 166—45.

Knapp, Richard P., and J. R. Sims, to Jersey Production Research Co. Hydraulic mooring means. 2,994,202, 8–1–61, Cl. 61—46.5.

Knapp, Robert A., to Industrial Nucleonics Corp. Extrusion packaging apparatus. 2,999,270, 9–12–61, Cl. 17—35.

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Knapp, Samuel B.: *See*—
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Knapp, Victor E., and O. F. Schmidt, to Knapp Mills Inc. Method for making lead shields. 2,980,973, 4–25–61, Cl. 22—212.

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Knapp, William E.: *See*—
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Knapp, William E., and W. T. Bolkcom, to American Metallurgical Products Co. Method of making aluminum killed steel. 2,980,529, 4–18–61, Cl. 75—57.

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Damgen, Wilhelm, Zager, and Kremer. 2,969,410.
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Knau, Horst W., to Clevite Corp. Attaching leads to silicon semiconductor devices. 3,012,316, 12–12–61, Cl. 29—473.1.

Knaub, Richard Z., and H. H. Hammond, to United States of America, Navy. Hoist device for trainable missile launchers. 2,998,753, 9–5–61, Cl. 89—1.7.

Knauer, Wolfgang, to Radio Corp. of America. Low-temperature plasma source. 2,975,320, 3–14–61, Cl. 313—187.

Knauf, Harry V., Jr., and G. M. Rose, Jr., to Radio Corp. of America. Method of making electron tubes. 3,007,760, 11–7–61, Cl. 316—19.

Knauf, Wilhelm, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Carrying case for photographic cameras and the like. 2,998,042, 8–29–61, Cl. 150—52.

Knaus, Eugen: *See*—
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Knausenberger, Georg E., to HRB-Singer, Inc. Variable impedance unit. 2,988,638, 6–13–61, Cl. 250—40.

Knausenberger, Georg E., to United States of America, Navy. High speed missile. 3,008,413, 11–14–61, Cl. 102—49.

Kneale, Allan T., to United Aircraft Corp. High impedance transistor pick-off circuit. 2,983,830, 5–9–61, Cl. 307—88.5.

Kneale, John S.: *See*—
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Knebusch, Arthur W. Garden hose stand, angularly adjustable for both horizontal traverse and vertical elevational angles. 2,993,671, 7–25–61, Cl. 248—87.

Knecht, Alfred, to BEKA St. Aubin AG. Brake valve. 2,971,799, 2–14–61, Cl. 303—54.

Knecht, Forrest E. Arresting gear with sliding sheave, cable shock vibration damper and slack take-up mechanism. 2,969,944, 1–31–61, Cl. 244—110.

Knecht, Robert S. Combination inflight refueling and dumping for helicopters. 2,967,684, 1–10–61, Cl. 244—136.

Kneeland, John A., to Pacific Vegetable Oil Corp. Process for producing reconstituted milk product like evaporated milk. 3,011,893, 12–5–61, Cl. 99—63.

Kneen, Eric, and H. E. Smith, to Kurth Malting Co. Method of malting. 3,014,847, 12–26–61, Cl. 195—70.

Kneen, Orville H. Fence construction. 2,987,299, 6–6–61, Cl. 256—24.

Knefel, Emanuel A., to The Magnavox Co. Card processing apparatus. 2,968,480, 1–17–61, Cl. 271—39.

Kneip, Delvin A. Electric receptacle cover with safety shields. 2,988,242, 6–13–61, Cl. 220—24.3.

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Kneisel, Otto, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Plural-stage impulse timing chain circuit. 2,985,770, 5–23–61, Cl. 307—88.5.

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Knickerbocker, Robert H., and H. L. Redding, to General Motors Corp. Exhaust system support. 2,981,351, 4–25–61, Cl. 180—64.

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Kniel, Ludwig, to The Lummus Co. Absorption system. 2,990,914, 7–4–61, Cl. 183—115.

Kniepkamp, Ernst, and F. G. Reuter, to Mobay Chemical Co. Flexible joint. 2,999,707, 9–12–61, Cl. 287—85.

Kniepkamp, Ernst, to Mobay Chemical Co. Seal. 3,004,807, 10–17–61, Cl. 308—187.1.

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Knight, Albin F.: *See*—
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Knight, Cosler D., to Zenith Radio Corp. Transducer apparatus. 2,999,909, 9–12–61, Cl. 179—100.41.

Knight, Emilee B. Safety light reflector. 2,975,675, 3–21–61, Cl. 88—81.

Knight, George R., Jr., J. J. McMullen, and D. A. Argyriadis. Container ship. 2,985,131, 5–23–61, Cl. 114—72.

Knight, Harmon M., and J. T. Kelly, to Standard Oil Co. Salt hydrate-BF_3-H_2X_2 polymerization process. 2,981,770, 4–25–61, Cl. 260—683.15.

Knight, Harmon M., and J. T. Kelly, to Standard Oil Co. Salt hydrate-BF_3-H_2X_2 catalytic process. 2,986,589, 5–30–60, Cl. 260—683.44.

Knight, Harmon M., and J. T. Kelly, to Standard Oil Co. Boron trifluoride recovery. 3,012,859, 12–12–61, Cl. 23—205.

Knight, Henry de Boyne, to The British Thomson-Houston Co., Ltd. Electric arc discharge devices. 2,978,604, 4–4–61, Cl. 313—193.

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Knight, James L., to General Electric Co. Automatic ice maker. 2,967,408, 1–10–61, Cl. 62—351.

Knight, James T. Pail and paste brush stand. 2,969,949, 1–31–61, Cl. 248—230.

Knight, John W., to The Fabri-Form Co. Ventilator assembly for a flexible cover. 3,013,483, 12–19–61, Cl. 98—37.

Knight, Mark B., to Radio Corp. of America. Beam deflection type electron discharge device. 2,975,316, 3–14–61, Cl. 313—82.

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Knight, Philip L., to Midland-Ross Corp. Heat-treating apparatus. 2,998,966, 9–5–61, Cl. 263—3.

Knight, Philip L., and G. W. Michel, to Midland-Ross Corp. Apparatus for rapid heating of one side only of work. 2,973,192, 2–28–61, Cl. 263—43.

Knight, Robert F., and R. E. Jenkins, to Core Laboratories, Inc. Apparatus for measuring weight on well drilling bit. 2,988,915, 6–20–61, Cl. 73—114.

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Knighton, James B., to United States of America, Atomic Energy Commission. Process for removing noble metals from uranium. 2,970,050, 1–31–61, Cl. 75—84.1.

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Knights, Herbert C., and W. Rodwell, to United Kingdom Atomic Energy Authority. Nuclear reactors. 3,008,891, 11–14–61, Cl. 204—193.2.

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Knippel, Willis H., W. Van Der Sluys, and J. J. Hunt, to Pullman Inc. Railway tie spacer. 2,991,725, 7–11–61, Cl. 104—9.

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Corwin, Thomas E., and Knipple. 2,979,027.

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Knobel, Max. Thickness gaging apparatus. 2,982,124, 5–2–61, Cl. 73—37.8.

Knobel, Max. Pressure actuated device. 2,989,991, 6–27–61, Cl. 137—788.

Knoble, William S., and L. J. McGovern, to Socony Mobil Oil Co., Inc. Propylene alkylation. 2,986,590, 5–30–61, Cl. 260—683.59.

Knobloch, James O.: *See*—
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Knobloch, James O., and H. P. Liao, to Standard Oil Co. Compounds of the type acetic (trimellitic anhydride) anhydride. 2,996,520, 8–15–61, Cl. 260—346.3.

Knoblock, John E., to Ford Motor Co. Valve gear. 2,970,583, 2–7–61, Cl. 123—90.

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Knoche, Raymond E. Apparatus for feeding loose-leaf metal arches. 2,972,433, 2–21–61, Cl. 221—160.

Knochel, Edward S.: *See*—
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Knocke, Louis T. Method for securing a plated washer to a plated nut or bolt by fusing the platings. 2,996,735, 8–22–61, Cl. 10—10.

Knocke, Louis T. Method of assembly of bolt and washer. 3,009,176, 11–21–61, Cl. 10—10.

Knoepke, Olga H.: *See*—
Leistner, William E., Hecker, and Knoepke. 2,997,454.

Knoernschild, Eugen M.: *See*—
Dallenbach, Frederick, Eichenberger, Knoernschild, and Van Le. 2,967,013.

Knohl, Herbert, to The Kendall Co. Elastic garment. Re. 25,046, 10–3–61, Cl. 66—178.

Knol, Kornelis S., and H. van de Weg, to North American Philips Co., Inc. Transistor amplifier. 3,001,146, 9–19–61, Cl. 330—31.

Knoll A.G. Chemische Fabriken: *See*—
Klavehn, Wilfrid. 2,985,681.

Knoll Associates, Inc.: *See*—
Knoll, Florence S. 2,973,232.
Knoll, Florence S. 2,979,122.
Schultz, Moses R. 2,967,565.

Knoll, Florence S., to Knoll Associates, Inc. Multiple desk unit with combined frame and retaining rail. 2,973,232, 2–28–61, Cl. 311—4.

Knoll, Florence S., to Knoll Associates, Inc. Chair frame and supporting structure. 2,979,122, 4–11–61, Cl. 155—191.

Knoll, Henry L., K. M. Holland, and R. C. Steele, to Hexcel Products Inc. Method of making honeycomb. 2,983,640, 5–9–61, Cl 154—122.

Knoll, Max. X-ray image amplifier storage tubes. 2,981,862, 4–25–61, Cl. 315—11.

Knoop, Hendrikus, to Rodi & Wienenberger, Aktiengesellschaft. Elastic linkage having detachable links designed for quick assembly. 2,985,999, 5–30–61, Cl. 59—79.

Knop, Victor R. Easels. 2,981,030, 4–25–61, Cl. 45—129.

Knopf, Robert J.: *See*—
Theiling, Louis F., Jr., and Knopf. 2,982,790.

Knopf, Walter E. Fishing rod holder. 3,007,661, 11–7–61, Cl. 248—44.

Knopow, Joseph J. Method and apparatus for measuring depths of water and detecting submerged bodies by employing pulsed light. 2,968,987, 1–24–61, Cl. 88—1.

Knops, Ivan P., and P. H. Newman, to Thomas De La Rue & Co. Ltd. Inking mechanisms for printing machines. 3,008,408, 11–14–61, Cl. 101—352.

Knospe, Bruno: *See*—
Lamesch, Armand, Jansen, and Knospe. 2,989,826.

Knost, Lloyd H. Slab surfacing machine. 2,985,989, 5–30–61, Cl. 51—55.

Knost, Lloyd H. Apparatus for honing hard surfaced materials. 3,006,116, 10–31,61, Cl. 51—55.

Knoth, Walter H., to E. I. du Pont de Nemours and Co. Reaction products of decaborane with sulfoxides and phosphine oxides. 3,009,961, 11–21–61, Cl. 260—606.5.

Knoth, Walter H., Jr., to E. I. du Pont de Nemours and Co. Heterocycles. 2,983,744, 5–9–61, Cl. 260—448.2.

Knott, Edward B.: *See*—
Saunders, David G., and Knott. 3,005,712.

Knowles, Alfred J.: *See*—
Ashworth, Fred, and Knowles. 2,999,766.

Knowles, Edward R., to The Specialty Papers Co. Apparatus for molding hollow articles of plastic. 2,974,362, 3–14–61, Cl. 18—5.

Knowles, Edwin C., N. R. Odell, and J. F. Lyons, to Texaco Inc. Soap thickened lubricating grease containing formamide. 2,980,616, 4–18–61, Cl. 252—42.1.

Knowles, Eric, and T. J. Meyrick, to Imperial Chemical Industries Ltd. Bonding of polyethylene terephthalate fibres to rubber. 2,990,313, 6–27–61, Cl. 154—139.

Knowles, Hugh S., to United States of America, Navy. Electronic oscillator metering device. 3,001,129, 9–19–61, Cl. 324—34.

Knowles, Hugh S. Electro acoustic transducer. 3,002,058, 9–26–61, Cl. 179—114.

Knowles, John D.: *See*—
Williams, Leslie A., and Knowles. 2,987,396.

Knowles, M B: *See*—
Bell, Alan, Knowles, and Tholstrup. 2,967,774.

Knowles, William S., and G. H. Alt, to Monsanto Chemical Co. Ionic bromination of aromatic and aliphatic compounds without HBr formation. 3,012,035, 12–5–61, Cl. 260—256.4.

Knowlton, M. D., Co.: *See*—
Light, Wallace W. 2,987,947.

Knowlton, Norwood H.: *See*—
Whelton, John M., and Knowlton. 2,984,160.

Knowlton, Orin H., Jr.: *See*—
Cowart, Brooks E., Ball, Crane, and Knowlton. 2,971,698.

Knowlton, William R.: *See*—
Bertell, Paul, and Knowlton. 2,993,410.

Knox, Carl B., to United States of America, Air Force. Tube socket for printed circuits. 2,984,809, 5–16–61, Cl. 339—17.

Knox, Charles R., to Chicago Carton Co. Carton. 3,009,624, 11–21–61, Cl. 229—39.

Knox, David M. Ensemble for displaying pictures and the like. 2,966,755, 1–3–61, Cl. 40—152.

Knox, David M. Picture display devices. 2,968,108, 1–17–61, Cl. 40—152.

Knox, David R., to Bundy Tubing Co. Shaping of ends of hollow work pieces. 2,971,554, 2–14–61, Cl. 153—2.

Knox, Donald G., to Camco, Inc. Timer controlled free piston well pumping apparatus. 3,012,518, 12–12–61, Cl. 103—52.

Knox, Donald G., to Camco, Inc. Free piston well pump device. 3,012,832, 12–12–61, Cl. 309—23.

Knox, Granville S., to Hydril Co. Gate type valve. 2,986,-371, 5–30–61, Cl. 251—187.

Knox, Granville S., to Hydril Co. Packed-off clearance and method of packing-off same. 2,992,028, 7–11–61, Cl. 288—8.

Knox, John W.: *See*—
Bradley, Walter W. 2,980,059.

Knox, Joseph R.: *See*—
Brooker, Eric G., Kingston, and Knox. 3,013,402.

Knox, Lawrence H., to Syntex, S.A. 2a-substituted methyl androstanes. 3,000,912, 9–19–61, Cl. 260—397.4.

Knox Mfg. Co.: *See*—
Petrick, Edward J. 3,003,729.

Knox, Roger E., to E. I. du Pont de Nemours and Co. Process for preparing a molded cellular article. 3,006,-033, 10–31–61, Cl. 18—48.

Knox, Walter R.: *See*—
Estes, Lynn H., and Knox. 3,013,089.
Hochwalt, Carroll A., and Knox. 3,013,090.

Knox, William C., and S. E. Denzinger, to Burroughs Corp. Crossfooter clear signaling mechanism. 2,987,245, 6–6–61, Cl. 235—60.2.

Knox, William J., Jr., and J. Stenberg, to Eastman Kodak Co. Gelatin coating compositions. 2,992,108, 7–11–61, Cl. 96—85.

Knudsen, Anders C., to Instituttet for Produktudvikling. Drawing table. 2,988,843, 6–20–61, Cl. 45—131.

Knudsen, John P., to The Chemstrand Corp. Manufacture of polymeric shaped objects by wet spinning. 3,011,859, 12–5–61, Cl. 18—54.

Knudsen, Knud J., to Lewis Engineering Co. Temperature-responsive transducer. 2,981,109, 4–25–61, Cl. 73—362.

Knudsen, Knud J., to Lewis Engineering Co. Condition-responsive device. 2,986,934, 6–6–61, Cl. 73—342.

Knudsen, Knud J., to Lewis Engineering Co. D.C. regulator and control circuit. 3,004,209, 10–10–61, Cl. 323—22.

Knudsen, Knud J., to Lewis Engineering Co. Compact electrical instrument movement with large-scale deflection and self-shielding field structure. 3,004,222, 10–10–61, Cl. 324—150.

Knudsen, Knud J., and C. I. McCall, to Lewis Engineering Co. Pyrometer bulb. 2,981,106, 4–25–61, Cl. 73—339.

Knudsen, Lowell J. Semaphore and Morse code educational device. 2,988,822, 6–20–61, Cl. 35—14.

Knudsen, Mildred P.: *See*—
Ehrlich, John, Knudsen, Bartz, Fusari, and Haskell. 2,996,435.
Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.

Knudson, Giltner J., to The Bendix Corp. Valve. 2,987,293, 6–6–61, Cl. 251—141.

Knudson, Giltner J., to The Bendix Corp. Fuel feed control for internal combustion engines. 2,992,642, 7–18–61, Cl. 123—119.

Knup, Emil, to Ciba Ltd. Process for reducing the translucency of woven and knitted fabrics of polyamide fibres. 2,982,673, 5–2–61, Cl. 117—065.2.

Knuth, Charles J.: *See*—
Bavley, Abraham, Brunings, Knuth, and Timreck. 2,993,021.
Bavley, Abraham, Humphrey, and Knuth. 2,992,236.
Bavley, Abraham, and Knuth. 2,972,595.

Knutsen, Erling J.: *See*—
Hansen, Kaare, and Knutsen. 2,990,128.

Knutsen, Wallace N.: *See*—
Parker, Joseph, and Knutsen. 2,978,344.

Knutsen, Wallace N., and J. G. Black, Jr., to Illinois Tool Works. Resistor tape sprayer. 2,977,928, 4–4–61, Cl. 118—321.

Knutson, Kermit B. Tape dispenser. 2,978,155, 4–4–61, Cl. 225—25.

Knutson, Kermit B. Liner-wound adhesive tape dispenser. 3,014,625, 12–26–61, Cl. 225—80.

Knutson, Merritt. Back-up warning signal for automotive vehicles. 2,972,139, 2–14–61, Cl. 340—392.

Knutson, Richard E. Arithmetic instructing aid circuit. 2,970,386, 2–7–61, Cl. 35—9.

Knutsson-Hall, Folke K. Method of manufacturing boxes of cardboard. 2,985,075, 5–23–61, Cl. 93—36.

Kobayashi, Kanjiro, and H. Suzuki, to Fujisawa Pharmaceutical Co., Ltd. Omega-alkylmercurythio fatty acids, derivatives thereof and process of preparing the same. 2,973,-379, 2–28–61, Cl. 260—399.

Kobayashi, Tatsuo: *See*—
Nakane, Takashi, Kobayashi, Akimoto, and Senzuwa. 2,971,564.

Kobbeman, Donald D., to United States of America, Air Force. Combination igniter and nozzle. 2,976,680, 3–28–61, Cl. 60—35.6.

Kobe, Inc.: *See*—
Coberly, Clarence J. 2,969,676.
Coberly, Clarence J. 2,999,464.
Coberly, Clarence J. 3,005,413.
Coberly, Clarence J. 3,005,414.
Coberly, Clarence J. 3,014,367.

Kober, Ehrenfried H., to Olin Mathieson Chemical Corp. Preparation of alkoxy triazines. 3,014,907, 12–26–61, Cl. 260—248.

Kober, William, to TKM Electric Corp. Dynamoelectric machine. 3,008,062, 11–7–61, Cl. 310—268.

Kobil, George F. and T. T. Adjustable panel mounting sash. 2,996,767, 8–22–61, Cl. 20—56.4.

Kobil, Thomas T.: *See*—
Kobil, George F. and T. T. 2,996,767.

Kobitter, Henry J. Slide bracket mechanism. 3,000,686, 9–19–61, Cl. 313—333.

Koblanski, John. Rotary toothbrush. 3,008,162, 11–14–61, Cl. 15—23.

Koble, Robert A.: *See*—
Sherk, Fred T., and Koble. 2,982,602.

Koble, Robert A., to Phillips Petroleum Co. Processing of uranium ores. 2,979,378, 4–11–61, Cl. 23—14.5.

Koble, Robert A., to Phillips Petroleum Co. Apparatus for feeding solids. 2,982,445, 5–2–61, Cl. 222—55.

Koble, Robert A., to Phillips Petroleum Co. Recovery of rare gases from synthetic ammonia plant purge gases. 2,993,342, 7–25–61, Cl. 62—22.

Koble, Robert A., and J. R. Cobb, Jr., to Phillips Petroleum Co. Production and purification of acetylene. 2,974,180, 3–7–61, Cl. 260—679.

Koble, Robert A., and W. A. Goldtrap, to Phillips Petroleum Co. Dyeing of 1-olefin polymers. 2,997,432, 8–22–61, Cl. 204—162.

Koble, Robert A., and F. T. Sherk, to Phillips Petroleum Co. Process for automatic control of polymerization reactions by measurement of coolant vapor volume and apparatus therefor. 3,013,004, 12–12–61, Cl. 260—94.9.

Kobler, Paul. Shaverheads on electrical or mechanical shavers. 2,973,574, 3–7–61, Cl. 30—43.

Kobler, Paul. Contact pieces. 2,976,383, 3–21–61, Cl. 200—166.

Kobler, Paul. Knives in mechanical shavers. 3,002,276, 10–3–61, Cl. 30—43.

Kobles, Frank P., to Atlantic Machine Tool Works, Inc. Container and attachable handle therefor. 2,997,218, 8–22–61, Cl. 224—55.

Koblin, Abraham, to United States of America, Army. Vapor and aerosol sampler. 3,001,402, 9–26–61, Cl. 73—421.5.

Koblizek, Vladimir: *See*—
Dubsky, Borivoj, Straka, Cernohorsky, and Koblizek. 2,977,791.

Kobrin, Maurice. Knockdown, prefabricated sectional bar. 2,995,408, 8–8–61, Cl. 312—140.2.

Kobryner, Herman H., to Murray Mfg. Corp. Load distributing arrangement. 2,980,824, 4–18–61, Cl. 317—116.

Kocay, Witold R.: *See*—
Serreze, Victor C., Jr., and Kocay. 2,977,187.
Wishman, Marvin, and Kocay. 2,983,718.
Wishman, Marvin, and Kocay. 3,012,998.

Kocay, Witold R., and M. Wishman, to American Cyanamid Co. Preparation of polymers. 3,012,997, 12–12–61, Cl. 260—80.5.

Koch, Adolf J. J.: *See*—
Hokkeling, Pieter, and Koch. 3,006,045.

Koch, Alan J., to Whirlpool Corp. Ice cubes ejectors. 2,981,-080, 4–25–61, Cl. 62—365.

Koch, Alan J., to Whirlpool Corp. Latch. 3,009,725, 11–21–61, Cl. 292—251.5.

Koch Engineering Co., Inc.: *See*—
Michael, Vesta F. 2,990,031.

Koch, Fritz. Magnet toy. 2,987,852, 6–13–61, Cl. 46—241.

Koch, Fritz. Arrangement in or relating to musical boxes. 3,006,111, 10–31–61, Cl. 46—232.

Koch, Gene. Refrigerant flow control means. 2,983,113, 5–9–61, Cl. 62—197.

Koch, Gerhard, to Telefunken G.m.b.H. Directional antenna having cosine shaped aperture. 2,975,420, 3–14–61, Cl. 343—786.

Koch, Gustav H., to Westinghouse Electric Corp. Coupling apparatus. 2,974,984, 3–14–61, Cl. 287—53.

Koch, H., & Sons: *See*—
Gaylord, John A. 2,992,467.
Gaylord, John A. 2,992,567.
Gaylord, John A. 2,992,849.
Gaylord, John A. 2,994,231.
Gaylord, John A. 2,994,552.
Smith, Joe B., and Gaylord. 2,992,798.

Koch, Hans: *See*—
Harte, Heinz, and Koch. 3,010,576.

Koch, Hans O. Method of detecting and eliminating flaws in solid material of high molecular order. 2,967,240, 1–3–61, Cl. 250—53.

Koch, Herbert, and K. E. Möller, to Studiengesellschaft Kohle m.b.H. Process for the production of aliphatic and cycloaliphatic monocarboxylic acid alkyl esters. 2,967,873, 1–10–61, Cl. 260—410.9.

Koch, Homer C.: *See*—
Croall, Edward J., Jr., Koch, and Saunders. 3,010,193.

Koch, Howard A., Jr.: *See*—
Slobod, Robert L., and Koch. 2,968,350.

Koch, Jakob: *See*—
Altermatt, Hans, and Koch. 3,006,882.

Koch, John H., to Burton-Rodgers, Inc. Display device and method for making the same. 2,985,968, 5–30–61, Cl. 35—1.

Koch, John H., Jr.: *See*—
Hauel, Anna P., and Koch. 2,991,256.

Koch, John H., Jr., to Engelhard Industries, Inc. Alumina trihydrate preparation. 2,973,329, 2–28–61, Cl. 252—463.

Koch, Karl: *See*—
Robinson, Robert E., and Koch. 2,991,153.
Robinson, Robert E., and Koch. 3,012,974.

Koch, Lawrence E., to Louis A. M. Phelan. Continuous freezer. 2,975,618, 3–21–61, Cl. 62—342.

Koch, Leonard J., R. E. Rice, Jr., A. A. Denst, A. J. Rogers, and M. Novick, to United States of America, Atomic Energy Commission. Nuclear reactors. 3,011,962, 12–5–61, Cl. 204—193.2.

Koch, Paul H., to The Babcock & Wilcox Co. Apparatus for shut-down of a forced flow vapor generating unit. 2,995,119, 8–8–61, Cl. 122—406.

Koch, Paul H., to The Babcock & Wilcox Co. Forced flow vapor generating unit. 3,007,459, 11–7–61, Cl. 122—406.

Koch, Paul H., and J. J. Fink, to The Babcock & Wilcox Co. System for burning low volatile fuels. 2,980,084, 4–18–61, Cl. 122—480.

Koch, Paul H., and A. E. Raynor, to The Babcock & Wilcox Co. Vapor generating installation with multiple platen radiant superheater. 2,982,268, 5–2–61, Cl. 122—480.

Koch Processes Ltd.: *See*—
Heussner, Gerda. 2,978,324.

Koch, Richard C. Insulation connector for use with electrical jack and plug structures. 3,005,972, 10–24–61, Cl. 339—101.

Koch, Robert B., to The Polymer Corp. Nylon tubing with braided cover and method of making. 2,977,839, 4–4–61, Cl. 87—1.

Koch, Robert J., to Cadaco-Ellis Inc. Game. 2,998,975, 9–5–61, Cl. 273—93.

Koch Supplies Inc.: *See*—
Rigall, Joseph F. 2,977,954.

Koch, Theodore A., and I. M. Robinson, to E. I. du Pont de Nemours and Co. Preparation of unsaturated esters. 3,014,958, 12–26–61, Cl. 260—486.

Koch, Theodore F., to Chicago Rawhide Mfg. Co. Sealing friction testing apparatus. 2,972,881, 2–28–61, Cl. 73—9.

Koch, Theodore T., to General Electric Co. Trip mechanism. 3,012,800, 12–12–61, Cl. 287—52.07.

Koch, Walter: *See*—
Wever, Franz, and Koch. 2,991,684.

Koch, Werner, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Gripper for use in printing machines. 2,984,178, 5–16–61, Cl. 101—409.

Koch, Werner, to Roland Offsetmaschinenfabrik Faber & Schleicher A.G. Sheet printing machine for obverse and reverse printing. 3,012,500, 12–12–61, Cl. 101—230.

Koch, Winfield R., to Radio Corp. of America. Series energized transistor amplifier. 2,981,895, 4–25–61, Cl. 330—18.

Kochale, Ernest P., Jr.: *See*—
Lessner, Richard C., and Kochale. 3,004,147.

Kocher, Erich J.: *See*—
Grant, Whitney I., and Kocher. 3,013,403.

Kocher, Erich J., and M. F. Tokach, to The Vilter Mfg. Co. Heat exchanger system for ice making machines. 2,986,903, 6–6–61, Cl. 62—333.

Kocher, Erich J., and W. I. Grant, to The Vilter Mfg. Co. Refrigerating system. 2,986,905, 6–6–61, Cl. 62—475.

Kocher, Erich J., and R. C. Johnson, to Vilter Mfg. Corp. Art of producing ice briquettes. 2,997,861, 8–29–61, Cl. 62—347.

Kocher, Hans, and P. Marmier, to Buren Watch Co. S.A. Self-winding watch. 2,988,869, 6–20–61, Cl. 58—82.

Kocher, Walter: *See*—
Wirth, Thomas, and Kocher. 2,991,887.

Kochi, Jay K.: *See*—
De La Mare, Harold E., Kochi, and Rust. 3,013,068.

Kochjohann, Ernst. Skin twisting device for sausage filling machines. 3,010,144, 11–28–61, Cl. 17—34.

Kochm, Robert C., to The Firestone Tire & Rubber Co. Method of making an air impervious sheet of rubberized cotton fabric. 2,978,784, 4–11–61, Cl. 28—72.

Koci, Jerry C., to Chicago Dynamic Industries, Inc. Amusement apparatus. 2,990,180, 6–27–61, Cl. 273—126.

Koci, Jerry C., and S. M. Heide, to Chicago Dynamic Industries, Inc. Device for visually digitally reading to a binary code and its complement. 3,010,101, 11–21–61, Cl. 340—347.

Koci, Ludvik J., to Sunbeam Corp. Thermal responsive device. 3,004,129. 10–10–61, Cl. 219—19.

Kocian, Richard H.: *See*—
Amundsen, Oliver O., and Kocian. 2,990,187.

Kock, Friedrich A. H. Ampoule type container and method of producing the same. 2,977,014, 3–28–61, Cl. 215—12.

Kock, Paul O., to Bituminous Coal Research, Inc. Stoker mechanism having a pulsatory grate. 3,005,446, 10–24–61, Cl. 122—376.

Kock, Winston E.: *See*—
Crane, Robert B., and Kock. 3,015,102.

Kocourek, Zdenek: *See*—
Kyselak, Eduard, and Kocourek. 2,978,094.

Koda, Nobuo J., to Hughes Aircraft Co. Electrostatic lens arrangement for cathode ray tubes. 2,986,669, 5–30–61, Cl. 313—86.

Kodera, Keiji, to Kabushiki Kaisha Aires Shashinski Seisakusho. Exposure regulator for a focal plane shutter camera. 3,006,264, 10–31–61, Cl. 95—57.

Kodras, Rudolph: *See*—
Hoglan, Forest A., and Kodras. 2,991,309.

Kodras, Rudolph, to International Minerals & Chemical Corp. Purification of phosphate-modified starches. 2,971,954, 2–14–61, Cl. 260—233.5.

Koeber, Henry J., to Bell & Howell Co. Camera crank connection. 2,994,232, 8–1–61, Cl. 74—548.

Koeber, Henry J., Jr., to Bell & Howell Co. Needle entrapment automatic exposure control mechanism. 3,010,359, 11–28–61, Cl. 88—16.

Koehl, Herman. Combination punching and eyeleting device. 2,996,211, 8–15–61, Cl. 218—25.

Koehler, Charles H. Lamp shade. 2,979,606, 4–11–61, Cl. 240—108.

Kochler, Fred, and D. A. Bly, to Hamilton Watch Co. Magnetic assembly for electric timepiece. 3,012,173, 12–5–61, Cl. 317—158.

Koehler, James O., and H. Lamprey, to Union Carbide Corp. Organo-zirconium derivatives. 2,978,347, 4–4–61, Cl. 106—308.

Koehler, James O., and H. Lamprey, to Union Carbide Corp. Carbon and graphite articles. 2,980,633, 4–18–61, Cl. 252—507.

Koehler, James O., and H. Lamprey, to Union Carbide Corp. Shaped resins. 2,985,604, 5–23–61, Cl. 260—23.

Koehler, James O., and H. Lamprey, to Union Carbide Corp. Rubber additives. 2,985,607, 5–23–61, Cl. 260—23.7.

Koehler, James O., and H. Lamprey, to Union Carbide Corp. Organometallic pigment dispersants based on acylates polyhydric alcoholates and aminoalcoholates of group IV–B metals. 2,988,412, 6–20–61, Cl. 106—236.

Koehler Mfg. Co.: *See*—
Davis, Arthur G. 2,987,718.

Koehler, Marcel A. G.: *See*—
Delaplace, Rene P., and Koehler. 2 973,336.

Koehn, Helmut: *See*—
Matsch, Ladislas C., Yendall, Lauer, and Koehn. 2,984,079.

Koehring Co.: *See*—
Appel, Theodore B., Jr. 3,002,575.
Bausemer, Roland E. 3,010,334.
Cline, Charles D. 2,984,217.
Greiner, Carl F. 3,009,401.
Harrison, John F., Mathys, and Thompson. 2,985,080.
Legge, Elmer E. 2,981,136.
Lindell, John F. 3,006,087.
Nelson, Wayne F. 2,973,006.
Nelson, Wayne F. 3,007,527.
Ronyak, Robert C.: 2,988,235.
Wills, Marion C. 2,991,891.

Koehrmann, Richard H.: *See*—
MacQuaid, Craig, Jr., and Koehrmann. 3,007,083.

Koelliker, A., & Cie. A.-G.: *See*—
Haller, André R. 3,005,261.

Koelmans, Hein, and C. M. C. Verhagen, to North American Philips Co., Inc. Luminescent germanates. 3,014,878, 12–26–61, Cl. 252—301.6.

Koelsch, Lester M.: *See*—
Koerper, Erhardt C., Koelsch, and Anderson. 2,986,305.

Koenecke, Donald F., to Esso Research and Engineering Co. Method for increasing the rate of air oxidation of polymers and copolymers of butadiene. 2,971,991, 2–14–61, Cl. 260—669.

Koenecke, Donald F., and A. H. Gleason, to Esso Research and Engineering Co. Drying oils cured with diisocyanates. 2,968,647, 1–17–61, Cl. 260—77.5.

Koenig, Eugene H., to Keuffel & Esser Co. Scribing instrument. 2,989,808, 6–27–61, Cl. 33—27.

Koenig, Herbert G., to Trio Mfg. Co. Transmission line connector. 2,997,683, 8–22–61, Cl. 339—99.

Koenig, Leslie A.: *See*—
Cortelli, John A., and Koenig. 2,985,809.

Koenig, Mathias. Steam cloth. 2,973,762, 3–7–61, Cl. 128—399.

Koenig, Nathan H.: *See*—
Lundgren, Harold P., Koenig, and Pardo. 2,987,870.

Koenig, Nathan H., to United States of America, Agriculture. Treatment of wool with isocyanates in the presence of dimethylformamide. 2,974,003, 3–7–61, Cl. 8—128.

Koenig, Nathan H., to United States of America, Agriculture. Treatment of wool with acid anhydrides in the presence of dimethylformamide. 2,986,445, 5–30–61, Cl. 8—128.

Koenig, Nathan H., to United States of America, Agriculture. Treatment of wool with acid chlorides in the presence of dimethylformamide. 2,993,748, 7–25–61, Cl. 8—128.

Koenig, Nathan H., L. R. Lefkowitz, and H. P. Lundgren, to United States of America, Agriculture. Process for densifying felts. 2,986,798, 6–6–61, Cl. 28—76.

Koenig, Paul E.: *See*—
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Foster, Walter E., and Koenig. 2,998,440.

Koenig, Seymour H., and G. R. Gunther-Mohr, to International Business Machines Corp. Oscillator utilizing avalanche breakdown of supercooled semiconductor. 3,011,133, 11–28–61, Cl. 331—107.

Koenig, Walter, Jr., to Bell Telephone Laboratories, Inc. Telautograph system. 3,005,050, 10–17–61, Cl. 178—20.

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Koets, Augustinus A. A. M., J. J. A. P. Van Amstel, and P. W. Haaijman, to North American Philips Co., Inc. Semi-conductor barrier layer system. 2,998,554, 8–29–61, Cl. 317—234.
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Kofahl, David C., to Richfield Oil Corp. Submerged elevated well head structure. 3,004,612, 10–17–61, Cl. 175—9.
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Kofink, Siegfried, E. Schubert, and M. Munzenmaier, to J. Eberspacher. Vehicle heating apparatus. 3,008,642, 11–14–61, Cl. 237—12.3.
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De Jongh, David K., Akkerman, Kofman, and De Vries. 3,006,918.
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Kogel, Wilhelm G., to Aktiebolaget Electrolux. Absorption refrigeration. 3,003,337, 10–10–61, Cl. 62—496.
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Kohlmeyer, Ernst J., to Metallgesellschaft Aktiengesellschaft. Process for the production of lead from its sulfidic ores or concentrates thereof. 2,984,562, 5–16–61, Cl. 75—77.
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Kohn, Samuel T., to Sorensen & Co., Inc. Voltage regulator. 2,973,470, 2–28–61, Cl. 323—60.
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Etchells, Eugene B., Kolbe, and Barr. 3,014,554.
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Kolbe, Adelbert E., to General Motors Corp. Internal combustion engine. 2,969,781, 1–31–61, Cl. 123—41.69.
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Kolbe, Adelbert E., to General Motors Corp. Frame assembly for internal combustion engines. 2,974,660, 3–14–61, Cl. 123—195.
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Natkin, Alvin M., Kolfenbach, and Forster. 2,990,346.
Natkin, Alvin M., Kolfenbach, and Forster. 2,990,350.
Kolfenbach, John J., and J. P. Longwell, to Esso Research and Engineering Co. Method for operating a rocket motor or the like. 2,974,475, 3–14–61, Cl. 60—35.4.
Kolfenbach, John J., and H. K. Wiese, to Esso Research and Engineering Co. Jet and rocket fuels and preparation thereof. 3,002,829, 10–3–61, Cl. 52—.5.
Kolfertz, Erwin, to Erwin Kolfertz Apparate-Bau. Venting apparatus for aquariums. 3,009,628, 11–21–61, Cl. 230—55.
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Koller, Lewis R., to General Electric Co. Luminescent screens and the production thereof. 2,983,816, 5–9–61, Cl. 250—80.
Koller, Lewis R., to General Electric Co. Evaporation method and apparatus. 3,001,892, 9–26–61, Cl. 117—106.
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Geiser, Nikolaus, and Kolling. 2,993,881.
Kollmann, Werner A., to "Elin" Aktiengesellschaft Fur Elektrische Industrie. Regulating transformer. 2,989,685, 6–20–61, Cl. 323—43.5.
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Kollonitsch, János, O. Fuchs, and G. Vita, to Chinoin Gyógyszer és Vegyészeti Termékek Gyára. Process for the preparation of 1-(p-nitrophenyl)-2-acylamido-propane-1,3-diols. 2,983,755, 5–9–61, Cl. 260—562.
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Kollsman, Paul. Method of and apparatus for separating constituents of a liquid. 3,005,763, 10–24–61, Cl. 204—180.
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Komarek, Ernst, and G. Mauthe, to Farbenfabriken Bayer Aktiengesellschaft. Production of shrunk leather. 3,010,779, 11–28–61, Cl. 8—94.18.
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Komarek, Gustav and K. R., to Komarek-Greaves and Co. Method and apparatus for agglomerating particulate material. 2,977,631, 4–4–61, Cl. 18—12.
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Komarek, Gustav and K. R. 2,977,631.
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Komenda, Erwin, to Porsche, Dr.-Ing. h.c.F., K.G. Cooling-air guide system for motor vehicles. 3,011,577, 12–5–61, Cl. 180—54.
Komenda, Erwin, and K. Bamberg, to Dr.-Ing. Porsche h.c.F., K.G. Cooling-air guide system for motor vehicles. 2,969,847, 1–31–61, Cl. 180—54.
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Konig, Otto, E. G. Gordon, and D. F. Herman, to National Lead Co. Vinyl resin compositions stabilized with acyl borates. 2,969,342, 1-24-61, Cl. 260—45.85.

König, Rezso, and Z. Földi, to Chinoin Gyogyszer-es Vegyeszeti Termekak Gyara Rt. New aniline-disulphonic acid amide derivatives and process for preparing the same. 2,995,586, 8-8-61. Cl. 260—397.7.

Konig, Roderich, and K. Keller, to J. R. Geigy, A.-G. Fluorescent foils. 2,983,686, 5-9-61, Cl. 252—301.2.

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Busquet, Jan C. 2,990,791.
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Koninklijke Zwarelzuurfabrieken v/h Ketjen N.V.: *See*—
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Konold, William G., and J. A. Finken, to G. Mingle. Highway signal device. 2,966,877. 1-3-61, Cl. 116—65.

Konopka, Alfred Z., and R. O. Lightfoot, to Paddock Pool Equipment Co. Swimming pool filter. 2,979,206, 4-11-61, Cl. 210—169.

Konopka, Bernard E., and W. E. Zimmermann, to March Mfg. Co. Condensate pump. 2,971,467, 2-14-61, Cl. 103—87.

Konopka, Joseph, to General Motors Corp. Friction hinge. 2,977,626, 4-4-61, Cl. 16—140.

Konopka, Richard O. Pistol draw game apparatus. 3,008,712, 11-14-61, Cl. 273—1.

Konrad, Jakob, H. J. Ramundt, and A. Betz, to Maschinenfabrik Augsburg-Nurnberg, A.G. Starting device for internal combustion engine. 2,993,487, 7-25-61, Cl. 123—142.5.

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Kooiker, Paul I., to General Electric Co. Compressor motor cooling arrangement for reversible refrigeration system. 3,006,163, 10-31-61, Cl. 62—324.

Kooiker, Ralph L., and I. W. Klein, to The Sioux Steel Co. Gear case for screw conveyor. 2,998,123, 8-29-61, Cl. 198—213.

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Kopec, John C., to United States of America, Navy. Safety mechanism for electrically detonated projectiles. 2,981,191, 4-25-61, Cl. 102—70.2.

Kopelman, Bernard, and R. B. Holden, to United States of America, Atomic Energy Commission. Electrolytic process for producing metals. 2,987,454, 6-6-61, Cl. 204—65.

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Kopp, Philip E., to A. H. Greening, trustee in bankruptcy for Richey Mfg. Co. Starter mechanism. 2,987,058, 6-6-61, Cl. 123—179.

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Nitchie, Charles D. 2,989,328.
O'Brochta, John. 2,999,094.
O'Brochta, John. 2,999,095.
Rice, Owen R. 2,970,901.
Rice, Owen R. 3,002,788.
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Rudner, Bernard, and Moores. 3,000,924.
Rudner, Bernard, and Moores. 3,000,925.
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St. Clair, William E., and Moult. 2,981,702.
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Foulke, Donald G., Kardos, and Koretzky. 3,002,904.

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Hauptvogel, Herbert, and Korf. 2,985,067.
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Korpi, Karl J., and R. C. Johnson, to The Lummus Co. Method of refining metals. 3,001,866, 9–26–61, Cl. 75—84.1.

Korpi, Karl J., and R. C. Johnson, to The Lummus Co. Method of refining metals. 3,001,867, 9–26–61, Cl. 75—84.1.

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Korsch, Emil R. and G. H. 2,996,756.

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Korsgren, Theodore Y., Sr., and T. Y. Korsgren, Jr., to Haydon Switch, Inc. Switch and actuator assembly. 2,977,447, 3–28–61, Cl. 200—153.

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Kosman, Henry. Combined steering and drive unit for tractor wheels. 2,994,392, 8–1–61, Cl. 180—6.24.

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Kossmann, Konrad H., to Shawinigan Chemicals Ltd. Process for heating beds of solid particles spouted with gas. 2,968,683, 1–17–61, Cl. 260—683.

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Kostelec, Joze, to General Aniline & Film Corp. Photoelectric cell. 3,009,006, 11–14–61, Cl. 136—89.

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Koster, Alfred, and K.-H. Worms, to Henkel & Cie, G.m.b.H. Production of nitrogen-phosphoric acid compounds. 2,996,357, 8–15–61, Cl. 23—107.

Koster, Frank, to Vogel Tool & Die Corp. Method of notching and shearing the ends of tubing in the preparation of tubular assemblies. 3,005,369, 10–24–61, Cl. 83—40.

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Köster, Roland, to Studiengesellschaft Kohle m.b.H. Processes for the production of alkyl boric acid esters and free alkyl boric acids. 2,992,267, 7–11–61, Cl. 260—462.

Kostka, Charles. Slidable pawl ratchet-type wrench. 3,009,372, 11–21–61, Cl. 81—58.4.

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Kostrzewa, Valerian R. Transfer apparatus. 2,999,579, 9–12–61, Cl. 198—19.

Kostur, J. Edward. Machines for automatically skin packaging merchandise articles and for cutting into separate packages. 2,976,658, 3–28–61, Cl. 53—112.

Kostyshyn, Bohdan, to International Business Machines Corp. Three lead hall probes. 3,003,105, 10–3–61, Cl. 324—45.

Kotchan, Charles J. Center punch with hammer and magnifier. 3,011,258, 12–5–61, Cl. 30—367.

Kotermanski, Mitchell, and W. K. Rutledge, to Accurate Partitions, Inc. Control device for swinging doors. 2,997,735, 8–29–61, Cl. 16—182.

Kotilainen, Paavo. Device for continuous measurement of moisture of the paper track or the like. 2,997,649, 8–22–61, Cl. 324—61.

Kötitzer Ledertuch- und Wachstuch-Werke AG.: *See*—
Jilge, Victor. 2,983,960.

Kotkins, Henry L. Luggage handle. 3,009,551, 11–21–61, Cl. 190—58.

Kotora, John, Jr. Automatically adjustable rear view mirror for vehicles. 2,988,957, 6–20–61, Cl. 88—93.

Kotowick, Joseph L., to Crown Zellerbach Canada Ltd. Stacking carton. 3,002,672, 10–3–61, Cl. 229—16.

Kotte, Jan J., to North American Philips Co., Inc. Cinematograph film projector. 3,011,393, 12–5–61, Cl. 88—17.

Kottmann, Guido. Portable clock. 2,970,426, 2–7–61, Cl. 58—2.

Kottsieper, Edward, to United Aircraft Corp. Helicopter rotor head and its controls. 2,984,306, 5–16–61, Cl. 170—135.75.

Kotyk, Walter G. Shoe last. 3,006,007, 10–31–61, Cl. 12—36.

Kouba, Delore L., to United States of America, Navy. Trinitroethyl trinitrophenyl nitramine. 2,999,113, 9–5–61, Cl. 260—577.

Kouba, Delore L., to United States of America, Navy. N(B-trinitroethyl)-p-nitroaniline. 2,999,114, 9–5–61, Cl. 260—577.

Koubek, Frantisek, to Meopta Prerov, narodni podnik. Panoramic camera. 2,993,424, 7–25–61, Cl. 95—15.

Koubek, František, to Meopta Prerov, narodni podnik. Devices for swivelling the objective of panoramic cameras. 3,011,417, 12–5–61, Cl. 95—16.

Koukios, Serafim: *See*—
Hoop, Frederick R. 2,986,907.

Koulicovitch, Miron, to Societe Genevoise d'Instruments de Physique. Visual and photoelectric device for locating the position of a movable member. 3,002,421, 10–3–61, Cl. 88—14.

Kounovsky, Edward F.: *See*—
Lange, Harold T., and Kounovsky. 2,967,403.

Koupal, Robert J., to Infilco Inc. Filter element and system. 2,985,308, 5–23–61, Cl. 210—169.

Koury, Frederic, to Sylvania Electric Products Inc. Light amplifier and storage device. 2,973,436, 2–28–61, Cl. 250—213.

Koury, Frederic, to Sylvania Electric Products Inc. Electroluminescent image device. 2,996,623, 8–15–61, Cl. 250—213.

Koury, Frederic, and F. A. Loughridge, to Sylvania Electric Products Inc. Method of making a light amplifier and storage device. 2,972,803, 2–28–61, Cl. 29—155.5.

Koustas, Peter, to Radio Corp. of America. Modulation system. 2,971,168, 2–7–61, Cl. 332—5.

Koutnik, Roderick J.: *See*—
Piet, Meyer, and Koutnik. 2,971,090.

Koutnik, Rodrick J., to Clary Corp. Control valve. 2,982,294, 5–2–61, Cl. 137—116.5.

Kovach, John E., to Bergen Machine & Tool Co., Inc. Block stacking machine. 3,013,648, 12–19–61, Cl. 198—35.

Kovach, John E., and C. K. Brown, Jr., to Bergen Machine & Tool Co., Inc. Pallet supply and accelerating apparatus. 2,996,782, 8–22–61, Cl. 25—41.

Kovach, Leslie J.: *See*—
Sanko, Daniel C. 2,980,955.

Kovach, Stephen M.: *See*—
Sanford, Robert A., and Kovach. 3,000,983.

Kovacich, Steve A.: *See*—
Peeler, Robert L., and Kovacich. 2,995,590.
Peeler, Robert L., and Kovacich. 2,995,592.

Kovacich, Steve A., and R. L. Peeler, to California Research Corp. Alkoxydisiloxanes. 2,995,591, 8–8–61, Cl. 260—448.8.

Kovacich, Steve A., and R. L. Peeler, to California Research Corp. Hexaalkoxydisiloxanes. 2,995,593, 8–8–61, Cl. 260—448.8.

Koval, Robert M.: *See*—
Bury, Nellie V., Serrao, and Koval. 3,008,615.

Kovalcik, James L. Cutting gauge for frame parts. 2,999,684, 9–12–61, Cl. 269—192.

Kovaleski, Joseph J., to The Coulter & McKenzie Machine Co. Variable speed wire coiling machine. 2,981,494, 4–25–61, Cl. 242—83.

Kovick, William E., and J. A. Royer, to Buckner Mfg. Co., Inc. Sprinkler. 2,986,339, 5–30–61, Cl. 239—230.

Kovner, Leon A. Scrolling machines. 2,998,046, 8–29–61, Cl. 153—40.

Kovo-finis, narodni podnik: *See*—
Navara, Vaclav. 3,006,555.

Kowal, Leonard J., to Imperial-Eastman Corp. Tube cutter. 3,013,335, 12–19–61, Cl. 30—94.

Kowalczyk, Walter, 1/10 part to Gadget-of-the-Month Club, Inc. Convertible combination infant's chair, bed, and feeding apparatus. 2,988,136, 6–13–61, Cl. 155—49.

Kowalczyk, Walter, 1/10 to Gadget-of-the-Month Club, Inc. One hand soldering iron. 2,995,099, 8–8–61, Cl. 113—109.

Kowalczyk, Walter, to Gadget-of-the-Month Club, Inc. Golfer's case. 3,010,628, 11–28–61, Cl. 224—29.

Kowalewski, John J., to Electrolux Corp. Combination hand power tool and floor polisher. 2,967,314, 1–10–61, Cl. 15—28.

Kowalik, John J.: *See*—
Kolacinski, Walter. 2,990,213.

Kowalski, Alexander: *See*—
Barth-Wehrenalp, Gerhard, and Kowalski. 2,975,028.

Kowalski, Bronislaw P. Aerial toy. 2,969,609, 1–31–61, Cl. 46—85.

Kowalski, Slawomir, D. A. Worden, and S. R. Smolen, to Marotta Valve Corp. Control valves for sensing pressure chamber. 2,971,537, 2–14–61, Cl. 137—636.1.

Kowalyshyn, Stephen: *See*—
Jones, Leonard S., and Kowalyshyn. 2,980,048.

Kowolik, Ernest J.: *See*—
Lincoln, James, Hawthorne, and Kowolik. 2,974,122.

Kowolik, Ernest J., and J. Lincoln, to British Celanese Ltd. Manufacture of high linear polyesters with tin phosphide catalyst. 2,979,483, 4–11–61, Cl. 260—47.

Kozacka, Frederick J., to The Chase-Shawmut Co. Electric fuses having ribbon links in radial planes. 2,982,835, 5–2–61, Cl. 200—131.

Kozacka, Frederick J., to The Chase-Shawmut Co. Time-lag fuses. 2,988,620, 6–13–61, Cl. 200—131.

Kozacka, Frederick J., to The Chase-Shawmut Co. Cable protection. 3,007,019, 10–31–61, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut Co. Fuse structures. 3,007,020, 10–31–61, Cl. 200—132.

Kozak, Edward, to National Castings Co. Coupling device. 3,011,749, 12–5–61, Cl. 248—361.

Kozak, John: *See*—
Gray, Milo C., and Kozak. 2,977,727.

Kozak, John. Apparatus for boring square holes. 2,985,204, 5–23–61, Cl. 144—73.

Kozak, John W., to Frank L. Wells Co. Helical cutting apparatus. 2,974,705, 3–14–61, Cl. 153—2.

Kozel, James A., and C. E., Lyall, to Scovill Mfg. Co. Mixing valve for washing machines. 2,997,062, 8–22–61, Cl. 137—606.

Kozel, James E.: *See*—
Rimsha, Victor E., and Kozel. 3,001,717.

Kozicki, Henry J., to Ford Motor Co. Load leveling motor vehicle wheel suspension. 2,991,088, 7–4–61, Cl. 280—124.

Kozicki, Henry J., to Ford Motor Co. Vehicle suspension. 2,998,265, 8–29–61, Cl. 280—124.

Kozicki, Henry J., to Ford Motor Co. Spring unit for hydropneumatic suspension. 3,013,813, 12–19–61, Cl. 280—124.

Kozinski, Joseph, to H. G. Fischer & Co. Paint spraying system. 2,980,337, 4–18–61, Cl. 239—15.

Kozinski, Joseph, to H. G. Fischer & Co. Electrostatic paint spraying system. 2,980,338, 4–18–61, Cl. 239—15.

Kozinski, Richard R. Method of casting air brake hose couplings. 3,010,167, 11–28–61, Cl. 22—200.

Kozlik, Roland A., to The International Nickel Co., Inc. Method of brazing. 2,987,817, 6–13–61, Cl. 29—494.

Kozlowski, Matthew A.: *See*—
Stoudt, Thomas H., Kozlowski, and McAleer. 2,982,694.

Kozobarich, Louis. Jackets. 2,971,199, 2–14–61, Cl. 2—93.

Kraase, Walter W., and R. J. Bertling, to McGraw-Edison Co. Strain clamp. 2,999,224, 9–5–61, Cl. 339—265.

Kraatz, Albert M., to Western Electric Co., Inc. Apparatus for selective shearing of contacts from tapes including means to retract hose tapes not being sheared. 3,007,360, 11–7–61, Cl. 83—206.

Kraay, Robert A., to Western Electric Co., Inc. Wire feed control system. 3,003,087, 10–3–61, Cl. 317—149.

Krabacher, Albert C., to Hathaway Instruments, Inc. Instrument mounting. 3,011,126, 11–28–61, Cl. 324—154.

Krabbe, Ulrik, to Allmanna Svenska Elektriska Aktiebolaget. Laminated magnetic core. 2,989,712, 6–20–61, Cl. 336—217.

Kracht, Fred, and J. H. Harper, to Philips Electronics Industries Ltd. Apparatus for separating objects such as bowling balls and pin. 2,982,548, 5–2–61, Cl. 273—43.

Kracker, Herbert, H. Albert, and H. Thaler, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Mixture of water-insoluble disazo dyestuffs. 2,970,029, 1–31–61, Cl. 88—26.

Kraffe de Laubarede, Leonce M. H. Machine for manufacturing an impervious tube and other products starting from a woven tube. 2,990,577, 7–4–61, Cl. 18—14.

Kraft, Donald L.: *See*—
Walker, Billy L., and Kraft. 3,002,231.

Kraft, Edmond W., to Stewart-Warner Corp. Gauge calibration arrangement. 2,991,418, 7–4–61, Cl. 324—106.

Kraft, Herman T., to The General Tire & Rubber Co. Method of and apparatus for applying an uncured rubber covering to a tire carcass. 2,974,714, 3–14–61, Cl. 154—9.

Kraft, Joseph K., to Westinghouse Electric Corp. Closure control mechanism. 2,985,258, 5–23–61, Cl. 187—52.

Kraft, Robert H., to Goodman Mfg. Co. Conveyor structure for continuous miner. 2,984,470, 5–16–61, Cl. 262—7.

Kraft, William M., to Heyden Newport Chemical Corp. Forming alkyd resins by the incremental addition of the monobasic acid. 2,973,331, 2–28–61, Cl. 260—22.

Kraft, William M., to Heyden Newport Chemical Corp. Dehydration of pentaerythritol esters and preparation of resins from said dehydrated esters. 2,985,601, 5–23–61, Cl. 260—22.

Kraftson, Harry A., to Leeds and Northrup Co. Methods and apparatus for sampling gases. 2,987,921, 6–13–61, Cl. 73—421.5.

Kraftson, Harry A., to Leeds and Northrup Co. Measuring system. 3,007,340, 11–7–61, Cl. 73—432.

Krahler, Stanley E., to E. I. du Pont de Nemours and Co. Oil well treating material. 2,999,812, 9–12–61, Cl. 252—8.55.

Krahulec, Fred, to A. C. Nielson Co. System and apparatus for recording the listening habits of wave signal receiver users. 2,984,536, 5–16–61, Cl. 346—108.

Krahulec, Fred, to Warwick Mfg. Corp. Record changing phonograph. 2,987,320, 6–6–61, Cl. 274—10.

Krahulec, Fred, and M. R. Sinda, to Warwick Mfg. Corp. Record changer. 2,994,537, 8–1–61, Cl. 274—10.

Kraissl, Frederick Jr. Filter unit for liquids. 2,982,413, 5–2–61, Cl. 210—131.

Kraissl, Frederick, Jr. External gear pump. 2,988,009, 6–13–61, Cl. 103—126.

Krakauer, Daniel, to Kay Mfg. Corp. Mattress, cushion or the like. 2,979,739, 4–18–61, Cl. 5—345.

Královopolská strojírna Závody Chemických zarízení, národní podnik: *See*—
Mackrle, Vladimir and S., Tesařik, and Mican. 2,969,149.

Kram, Jesse. Collapsible trays. 2,992,765, 7–18–61, Cl. 229—30.

Kramaroff, Nathan. Lawn edgers. 2,986,224, 5–30–61, Cl. 172—16.

Kramcsak, Michael, Jr., to The Bassick Co. Sealed caster. 2,971,211, 2–14–61, Cl. 16—21.

Kramcsak, Michael, Jr., to The Bassick Co. Caster glides. 2,973,545, 3–7–61, Cl. 16—42.

Kramcsak, Michael, Jr., to The Bassick Co. Caster glide. 2,996,753, 8–22–61, Cl. 16—42.

Kramer, Amihud, G. Nielsen, and S. Bryan, to L.E.E., Inc. Tenderness testing apparatus for food products. 2,972,884, 2–28–61, Cl. 73—101.

Kramer, Clarence F., to Ford Motor Co. Door lock. 2,987,336, 6–6–61, Cl. 292—52.

Kramer, Clarence F., to Ford Motor Co. Vehicle body window glass frame structure. 2,997,334, 8–22–61, Cl. 296—44.5.

Kramer, Clarence F., to Ford Motor Co. Seat adjuster track mechanism. 3,001,835, 9–26–61, Cl. 308—6.

Kramer, Frank J., Jr.: *See*—
Bissonette, Alfred J., and Kramer. 2,986,964.

Kramer, Frederick C.: *See*—
Homeyer, Arthur C., and Kramer. 3,003,519.

Kramer, George M., and W. Doering, to Esso Research and Engineering Co. Paraffin hydrocarbon isomerization. 2,987,563, 6–6–61, Cl. 260—683.76.

Kramer, Hyman. Web-to-tube fasteuings. 2,978,775, 4–11–61, Cl. 24—265.

Kramer, Hyman. Web-to-tube fastenings. 2,979,119, 4–11–61, Cl. 155—187.

Kramer, Johannes, to North American Philips Co., Inc. Method and device for adjusting the excitation of a stigmator in electron-microscopes. 2,973,433, 2–28–61, Cl. 250—49.5.

Kramer, John V., 10% to W. Rood. Chain holding tool. 2,968,912, 1–24–61, Cl. 59—5.

Kramer, Joseph, to Diamond National Corp. Folding box construction. 2,990,098, 6–27–61, Cl. 229—32.

Kramer, Kenneth C.: *See*—
Meyers, Raymond I., and Kramer. 2,967,680.

Kramer, Lamar J. Lawn edgers having oscillating blades. 2,978,041, 4–4–61, Cl. 172—15.

Kramer, Leo, to Controls Co. of America. Pilot valve. 2,969,088, 1–24–61, Cl. 137—614.2.

Kramer, Lewis. Slipper. 3,004,354, 10–17–61, Cl. 36—9.

Kramer, Nellius G.: *See*—
Meder, Adrianus J. W., and Kramer. 2,970,979.

Kramer, Noah H., to International Business Machines Corp. Visual indicators for low voltage apparatus. 2,997,700, 8–22–61, Cl. 340—253.

Kramer, Otto L. Binder header for textile swatch. 2,977,690, 4–4–61, Cl. 35—55.

Kramer, Ray L.: *See*—
Bleakney, Walker, Rojansy, Delsasso, Reynolds, and Kramer. 2,993,372.

Kramer, Richard, to General Time Corp. Ship's bell clock. 2,974,473, 3–14–61, Cl. 58—9.

Kramer, Roy G. Fastener for securing hinged window panels. 2,988,390, 6–13–61, Cl. 292—288.

Kramer Trenton Co.: *See*—
Nussbaum, Otto J. 2,972,236.

Kramer, William E., to Gulf Research & Development Co. Dispensing system. 2,967,005, 1–3–61, Cl. 222—136.

Kramer, William F., to Philco Corp. Air conditioning. 2,982,110, 5–2–61, Cl. 62—91.

Kramig, Anna L.: *See*—
Kramig, Robert E., Jr. 2,986,379.

Kramig, Robert E., Jr., deceased; A. L. Kramig, executrix. Heat exchanger. 2,986,379, 5–30–61, Cl. 26—28.

Kramis, Charles J., to E. I. du Pont de Nemours and Co. Recovery of trimethylamine by extractive distillation. 2,999,053, 9–5–61, Cl. 202—39.5.

Krammer, Emil J.: *See*—
Odegaard, David C., O'Brien, and Krammer. 2,995,452.

Krammer, Robert: *See*—
Bishop, Leonard J., Klamp, and Krammer. 2,982,227.

Krammes, Don C., to The Hoover Co. Collapsible support for an ambulatory appliance. 2,974,345, 3–14–61, Cl. 15—328.

Krammes, Don C., to The Hoover Co. Suction cleaner. 2,986,764, 6–6–61, Cl. 15—320.

Krammes, Don C., to The Hoover Co. Suction cleaning device. 2,993,223, 7–25–61, Cl. 15—320.

Krammes, Don C., to The Hoover Co. Suction floor scrubber. 3,002,214, 10–3–61, Cl. 15—320.

Kramskoy, Charles M., to Electric & Musical Industries Ltd. Data-handling apparatus. 2,996,699, 8–15–61, Cl. 340—172.5.

Kranc, Casimir: *See*—
Banks, Charles T., Schneider, and Kranc. 2,996,761.

Kraner, Hobart M., and R. A. Limons, to Bethlehem Steel Co. Method of sintering. 3,003,864, 10–10–61, Cl. 75—5.

Krantz, Frank M., to United States of America, Air Force. Mounting system for printed circuits. 3,006,982, 10–31–61, Cl. 174—68.5.

Krantz, Karl W.: *See*—
Bobear, William J., and Krantz. 2,974,063.

Kranz, Frederick H., to Allied Chemical Corp. N-bis(p-dialkylaminophenyl)methyl derivatives of nitrogen-containing saturated heterocyclic compounds. 2,981,733, 4–25–61, Cl. 260—247.5.

Kranz, Frederick H., to Allied Chemical Corp. Heterocyclic nitrogen derivatives of bis(p-dialkylaminophenyl)methane. 2,981,738, 4–25–61, Cl. 260—308.

Kranz, Frederick H., to Allied Chemical Corp. Aliphatic amino derivatives of bis(p-dialkylaminophenyl)methane. 2,983,756, 5–9–61, Cl. 260—570.

Kranz, Philip A. Automatic classification apparatus. 3,004,702, 10–17–61, Cl. 235—61.11.

Kranzusch, Edward A. Wire puzzle. 2,998,253, 8–29–61, Cl. 273—158.

Krapcho, John, to Olin Mathieson Chemical Corp. Acetamide derivatives. 2,994,700, 8–1–61, Cl. 260—295.

Krapcho, John, and W. A. Lott, to Olin Mathieson Chemical Corp. Certain 1,4-benzodioxanyl imidazolines and corresponding pyrimidines and process. 2,979,511, 4–11–61, Cl. 260—309.6.

Krappatsch, Herbert, to P. Gossen & Co., G.m.b.H. Color temperature meter. 2,985,061, 5–23–61, Cl. 88—22.5.

Krasner, Maurice. Hand scraper. 2,974,428, 3–14–61, Cl. 37—53.

Krasnoff, Gilbert and W. Treadle scooter. 3,006,659, 10–31–61, Cl. 280—221.

Krasnoff, William: *See*—
Krasnoff, Gilbert and W. 3,006,659.

Krässig, Hans A.: *See*—
Herbst, John H. E., Beazley, and Krassig. 3,000,875.
Herbst, John H. E., and Krässig. 2,989,519.

Krassoievitch, Andre, and R. Brunner, to Ancienne Manufacture d'Horlogerie Patek, Philippe & Co., S.A. Horal instrument of high precision. 2,976,470, 3–21–61, Cl. 318—341.

Kratochvil, Friedrich, and H. Richter, to Telefunken G.m.b.H. Deflection yoke assembly. 2,991,392, 7–4–61, Cl. 315—27.

Kratochvil, Kenneth V.: *See*—
Wrightman, Robert E., and Kratochvil. 2,991,646.

Kratochvil, Kenneth V., to Phillips Petroleum Co. Recording system. 2,977,472, 3–28–61, Cl. 250—41.9.

Kratt, William. Toy musical instrument. 3,014,397, 12–26–61, Cl. 84—404.

Kratville, Robert E., to E. E. Poncel. Irreversible linkage. 3,008,346, 11–14–61, Cl. 74—531.

Kratz, David W. Composite tool and receptacle. 3,011,349, 12–5–61, Cl. 73—421.

Kratz, Josef: *See*—
Grätz, Fritz, and Kratz. 3,011,939.

Kratzer, John L., to United States of America, Army. Explosive warhead skin separation device. 2,996,985, 8–22–61, Cl. 102—7.2.

Kraus, Charles E., small percentages to various assignees. Toroidal type transmission. 3,008,337, 11–14–61, Cl. 74—200.

Kraus, Donald A.: *See*—
McClosky, Robert B., and Kraus. 3,011,678.

Kraus, Eugene S., Jr. Conductor spreaders and ladder hangers. 3,001,603, 9–26–61, Cl. 182—46.

Kraus, Gerard, to Phillips Petroleum Co. Bonding of elastomers. 2,984,281, 5–16–61, Cl. 152—330.

Kraus, Gerard, to Philips Petroleum Co. Polymerization inhibition. 2,993,903, 7–25–61, Cl. 260—290.

Kraus, Gerard, and D. E. Carr, to Phillips Petroleum Co. Hydroxytitanium acylates in cis-conjugated diene polymer compositions and process of preparation. 3,002,944, 10–3–61, Cl. 260—23.7.

Kraus, Gustav. Quick coupling for securing straps. 2,994,934, 8–8–61, Cl. 24—271.

Kraus, Hans W. Control means for a conveyance. 3,002,578, 10–3–61, Cl. 180—8.

Kraus, Ludwig, to Daimler-Benz Aktiengesellschaft. Axle-drive mechanism for motor vehicles. 2,978,054, 4–4–61, Cl. 180—70.

Kraus, Philip J. Carrying case for wet paintings. 2,976,985, 3–28–61, Cl. 206—1.

Krause, Erich, to Universal Maschinenfabrik G.m.b.H. Method of drawing off chain knitted articles. 2,967,414, 1–10–61, Cl. 66—150.

Krause, Frank R., to Thompson Ramo Wooldridge Inc. Machine for rolling metal. 2,969,700, 1–31–61, Cl. 80—40.

Krause, Hans-Joachim, and F. Drexler, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of water-soluble copolymers. 2,997,465, 8–22–61, Cl. 260—80.5.

Krause, Herbert: *See*—
Fiedler, Martin, Korab, and Krause. 3,009,192.

Krause, Herbert, to Chicago Forging and Mfg. Co. Hinge and support assembly. 2,987,753, 6–13–61, Cl. 16—128.1.

Krause, Herbert, to Chicago Forging and Mfg. Co. Hood latch and guide means. 2,996,324, 8–15–61, Cl. 292—226.

Krause, Herbert, and G. Korab, to Chicago Forging and Mfg. Co. Double rocker type hood lock. 2,992,031, 7–11–61, Cl. 292—29.

Krause, Horst-Jürgen: *See*—
Dohr, Manfred, and Krause. 2,969,339.
Dohr, Manfred, Krause, and Wulff. 2,971,015.
Wulff, Carl, Dohr, and Krause. 2,997,462.

Krause, Irving A., to International Telephone and Telegraph Corp. Single sideband reception. 2,999,154, 9–5–61, Cl. 250—20.

Krause, Jack H.: *See*—
Farkas, Adalbert, and Krause. 2,977,363.

Krause, Jack H., to Houdry Process Corp. Preparation of diazabicyclo-octane from N-aminoethyl piperazine. 2,985,658, 5–23–61, Cl. 260—268.

Krause, Johannes: *See*—
Rodis, Franz, Krause, and Beltz. 2,977,317.

Krause, Lloyd O., and H. G. Smith, to General Electric Co. Helical antenna with conductive support. 2,985,878, 5–23–61, Cl. 343—895.

Krause, Susan: *See*—
Dvorkovitz, Vladimir, Berst, and Krause. 2,968,733.

Krause, Walter P., to Jefferson Chemical Co., Inc. Decolorizing the product of reacting an alkylene oxide with a hydroxyl-containing organic compound in the presence of an alkaline reacting catalyst. 2,983,763, 5–9–61, Cl. 260—613.

Krauss, Carl. Motor bracket assembly for fans. 2,968,457, 1–17–61, Cl. 248—15.

Krauss, Hans G.: *See*—
Ireton, Earl T., and Krauss. 3,011,354.

Krauss, Harold, H. Moses, and E. Liebman. Pile fabric water-repelling and finishing process. 2,970,363, 2–7–61, Cl. 26—2.

Krauss, Lawrence B., to Fairchild Camera and Instrument Corp. Compositions for electrical resistance films. 2,978,314, 4–4–61, Cl. 75—.5.

Krauss-Maffei Aktiengesellschaft: *See*—
Wirth, Thomas, and Kunscher. 3,011,458.

Krauss, Paul: *See*—
Johnston, Frank C., and Krauss. 3,004,097.

Krauss, Robert E.: *See*—
Danly, James C. and J. R., Georgeff, and Krauss. 2,984,880.

Krauss, Wolfgang W., and T. J. Truman, to Republic Steel Corp. Building panel. 3,014,560, 12–26–61, Cl. 189—34.

Krautter, Willy F.: *See*—
Kamm, Wunibald I. E., Staiger, and Krautter. 2,976,906.

Kravagna, Cut. Ball cock-type valve. 3,011,515, 12–5–61, Cl. 137—411.

Kray, Raymond H. Shaped charge projectile. 2,972,948, 2–28–61, Cl. 102—56.

Kray, Raymond J., and F. M. Berardinelli, to Celanese Corp. of America. Aqueous latex comprising vinyl acetate polymer and amino ether of starch and method of coating fibrous sheet material therewith. 3,001,957, 9–26–61, Cl. 260—17.4.

Kray, Raymond J., and C. A. Defazio, to Celanese Corp. of America. Moldable copolymers. 3,012,990, 12–12–61, Cl. 260—67.

Kray, William, and J. P. Pecka. Mandrel. 2,983,461, 5–9–61, Cl. 242—68.4.

Krebs, Ernst T. and E. T. Krebs, Jr. Hexuronic acid derivatives. 2,985,664, 5–23–61, Cl. 260—345.7.

Krebs, Ernst T., Jr.: *See*—
Krebs, Ernst T. and E. T. Krebs, Jr. 2,985,664.

Krebs, George: *See*—
Chill, Charles W., Clark, and Krebs. 3,013,506.

Krebs, Samuel, F. Howard, C. Male, and J. W. Sumpter, to James Lees and Sons Co. Industrial apparatus. 2,975,904, 3–21–61, Cl. 211—46.

Krehbiel, Robert D., to Cessna Aircraft Co. Hydraulic flow control system and valve with anti-cavitation feature. 2,980,136, 4–18–61, Cl. 137—622.

Krehl, Herman, to Steel Heddle Mfg. Co. Metallic receptacles. 3,007,603, 11–7–61, Cl. 220—67.

Kreidl, Norbert J., and R. A. Weidel, to Bausch & Lomb Inc. Ceramic material. 3,007,804, 11–7–61, Cl. 106—39.

Kreidl, Werner H. Method of treating a foamy material having a high water content and product obtained thereby. 3,004,293, 10–17–61, Cl. 18—47.5.

Kreidl, Werner H., and O. Vieli, to Vereinigte Chemische Fabriken Kreidl, Rutter & Co., and Spumalit-Anstalt. Foamed carbamide resins and method of preparing same. 2,970,120, 1–31–61, Cl. 260—2.5.

Kreinberg, Earl R., to Philco Corp. System for testing semiconductor devices. 3,007,113, 10–31–61, Cl. 324—158.

Kreinheder, Donald E.: *See*—
Hanson, Allan W., and Kreinheder. 2,973,487.

Kreiskott, Horst: *See*—
Meiser, Werner, Breitner, Wirth, and Kreiskott. 2,971,979.

Kreisman, Wallace S., to United States of America, Air Force. Electromagnetically operated light valve. 3,008,374, 11–14–61, Cl. 88—61.

Kreissig, Johannes, to Firma Robert Bosch G.m.b.H. Lever assembly. 3,011,360, 12–5–61, Cl. 74—519.

Kreitzberg, James S. Reflector. 2,968,033, 1–10–61, Cl. 343—18.

Krejci, Joseph C., to Phillips Petroleum Co. Furnace carbon black process and apparatus. 2,967,762, 1–10–61, Cl. 23—209.6.

Krejci, Joseph C., to Phillips Petroleum Co. Process for production of carbon black. 3,009,784, 11–21–61, Cl. 23—209.4.

Krejci, Robert F.: *See*—
Rosenthal, Felix, Roberts, and Krejci. 2,969,827.

Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Cutter bit and socket structures. 2,996,291, 8–15–61, Cl. 262—33.

Krekovich, James J.: *See*—
MacDougall, Anne J., Lohnes, and Krekovich. 2,988,845.

Krellen, Harry I., to United States of America, Army. Convertible switch and load transferer for overland conveyor system. 2,969,868, 1–31–61, Cl. 198—78.

Kremen, Seymour S., and R. L. Southwood, to Leather Research Corp. Impregnated leather and means of producing. 2,983,566, 5–9–61, Cl. 8—94.21.

Kremen, Seymour S., and R. L. Southwood, to Leather Research Corp. Aldehyde tanning of leather. 2,983,567, 5–9–61, Cl. 8—94.33.

Kremer, Gottfried: *See*—
Damgen, Wilhelm, Zager, and Kremer. 2,969,410.

Kremer, Julius, to Kortenbach & Rauh Kommanditgesellschaft. Umbrella frame. 2,969,798, 1–31–61, Cl. 135—23.

Kremp, Rudolf, and F. Hennig, to Agfa Aktiengesellschaft. Slide changer magazine. 3,009,274, 11–21–61, Cl. 40—79.

Krems, Irving J.: *See*—
Fox, Arthur L., and Krems. 2,979,436.

Kremzner, Leon T.: *See*—
Barnes, Harry M., Kremzner, and Mitchell. 2,975,603.

Kremzner, Leon, and W. A. Mitchell, to General Foods Corp. Gasified confection and method of making the same. 3,012,893, 12–12–61, Cl. 99—134.

Krenz, Ferdinand H.: *See*—
Biefer, Gregory J., and Krenz. 2,977,260.

Krepper, Gabriel M.: *See*—
Steele, James E., Krepper, and Evans. 3,008,691.

Kreps, Robert W. F., to Shell Oil Co. Purification of phthalic acid esters. 3,004,062, 10–10–61, Cl. 260—475.

Kreps, Saul I., to Van Dyk & Co., Inc. Sunscreening agents. 2,976 217, 3–21–61, Cl. 167—90.

Krespan, Carl G., to E. I. du Pont de Nemours and Co. Reaction products of bis(polyfluoroalkyl) acetylenes with phosphorus, arsenic and antimony. 2,996,527, 8–15–61, Cl. 260—440.

Krespan, Carl G., and G. N. Sausen, to E. I. du Pont de Nemours and Co. Bis (trifluoromethyl) substituted bicyclooctatrienes. 2,977,394, 3–28–61, Cl. 260—648.

Kress, Bernard H.: *See*—
Santangelo, Charles E., and Kress. 2,992,145.

Kress, Bernard H., to Quaker Chemical Products Corp. Method of insolubilizing polymeric hydroxyl-bearing compounds. 2,968,581, 1–17–61, Cl. 117—139.5.

Kress, Herman. Foundation garment. 2,981,257, 4–25–61, Cl. 128—432.

Kress, Herwig R. A., to Aktiengesellschaft Brown, Boveri & Cie. Blading for use in axial flow machines. 2,976,014, 3–21–61, Cl. 253—77.

Kress, James H., to Deere & Co. Hydraulic pump system. 2,987,003, 6–6–61, Cl. 103—38.

Kress, John H., to American Optical Co. Method of making multifocal lenses. 2,966,767, 1–3–61, Cl. 51—284.

Kress, Ralph, to Solar Aircraft Co. Variable jet nozzle with coacting shroud. 2,976,676, 3–28–61, Cl. 60—35.6.

Kress, Ralph H., to LeTourneau-Westinghouse Co. Vehicle shock-absorbing coupling. 3,014,739, 12–26–61, Cl. 280—489

Kressbach, James E.: *See*—
Margulies, Paul H., and Kressbach. 2,978,301.

Kresse, Arthur O., and E. G. Rapp, to Thompson Ramo Wooldridge Inc. Fuel decomposition chamber. 2,988,431, 6–13–61, Cl. 23—281.

Kressel, Konrad: *See*—
Roesler, Ernst, and Kressel. 2,986,119.

Kresslein, Albert, to Vereinigte Glanzstoff-Fabriken A.G. Thread holding means for laying-on a thread to a spool. 2,973,126, 2–28–61, Cl. 225—63.

Kressley, Leonard J.: *See*—
Frevel, Ludo K., and Kressley. 2,981,768.
Frevel, Ludo K., and Kressley. 2,981,769.

Kressman, Theodore R. E., to The Permutit Co. Ltd. Process of concentrating dissolved salts by electrodialysis. 3,014,855, 12–26–61, Cl. 24—180.

Krestan, Miles F., and R. E. White, to Triangle Publications, Inc. Web control device. 2,979,279, 4–11–61, Cl. 242—58.3.

Krett, Orest J.: *See*—
Berndt, Lyle H., and Krett. 3,010,830.

Krettinger, Ilya L.: *See*—
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Kretzmer, Minor G., Jr., to The A. C. Gilbert Co. Self aligning bearing. 2,987,349, 6–6–61, Cl. 308—72.

Kretzmer, Minor G., Jr., to The A. C. Gilbert Co. Bell ringing equipment for wheeled toys. 3,012,365, 12–12–61, Cl. 46—113.

Kreuchen, Karl H. R. C., and P. C. Barrett, to Electric & Musical Industries Ltd. Formation of firmly adherent coatings of refractory materials on metals. 3,001,893, 9–26–61, Cl. 117—217.

Kreuter, Herbert, S. Sommer, and H. G. Kirschner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Process for preparing high molecular olefin polymers using a catalyst consisting of an alumino-organic compound, an inorganic heavy metal salt and oxygen. 3,007,904, 11–7–61, Cl. 260—88.2.

Kreuter, Kenneth G., to Robertshaw-Fulton Controls Co. Control for fluid system. 2,990,780, 7–4–61, Cl. 103—25.

Kreuttner, Joseph W., to Buensod-Stacey Corp. Valve. 2,974,680, 3–14–61, Cl. 137—595.

Kreuttner, Joseph W., to Buensod-Stacey Corp. Air conditioning system mixing valve. 2,997,240, 8–22–61, Cl. 236—13.

Kreutzer, Otto. Transistor-controlled output regulator arrangement for direct current and alternating current circuits. 3,012,184, 12–5–61, Cl. 322—17.

Kreuz, Kenneth L.: *See*—
Wiley, Morris A., and Kreuz. 3,006,847.

Kreuzer, Josef, and O. Ascher, to "Elin" Aktiegesellschaft fur Elektrische Industrie. Magnetic core. 2,991,437, 7–4–61, Cl. 336—5.

Krewer, William A.: *See*—
Ayers, George W., and Krewer. 2,978,406.
Hutchings, Le Roi E., Krewer, and Remes. 2,983,766.

Krewson, Ralph W. Grass catcher. 2,970,421, 2–7–61, Cl. 56—202.

Krey, Harold L., to Livingston & Co. Collapsible cabinet. 3,006,709, 10–31–61, Cl. 312—262.

Kriechbaum, John P., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,978,630, 3–7–61, Cl. 62—139.

Kriechbaum, John P., to Minneapolis-Honeywell Regulator Co. Electric load control system. 3,011,095, 11–28–61, Cl. 315—299.

Krieg, Werner. Soil damming implement. 2,987,128, 6–6–61, Cl. 172—528.

Kriegel, Bernard: *See*—
Ernest, Fred. 2,970,822.

Krieger, Gardiner L.: *See*—
Morton, George A., and Krieger. 2,997,614.

Krieger, Gardner L., and G. A. Morton, to United States of America, Army. High voltage image tube. 2,994,798, 8–1–61, Cl. 313—65.

Krieger, Gardner L., M. L. Schultz, and G. A. Morton, to Radio Corp. of America. Infra-red sensitive devices. 3,003,075, 10–3–61, Cl. 313—65.

Krieger, Irving W.: *See*—
Furnas, William C., and Krieger. 2,972,664.
Willcox, Dale F., Few, and Krieger. 2,971,072.

Krieger, Larry L., to International Latex Corp. Brassiere. 2,988,087, 6–13–61, Cl. 128—505.

Krieger, Larry L., to International Latex Corp. Pivot action brassiere. 3,001,526, 9–26–61, Cl. 128—489.

Krieger, Robert J., to Titanium Metals Corp. of America. Melting titanium metal. 2,974,033, 3–7–61, Cl. 75—10.

Krijbolder, Henricus M.: *See*—
Duran, Johannes C., and Krijbolder. 3,007,292.

Krijgsman, Centinus, to Stamicarbon N.V. Process and apparatus for purifying suspensions of fine magnetizable particles in a liquid. 2,972,408, 2–21–61, Cl. 209—38.

Krikorian, Nerses H.: *See*—
Bowman, Melvin G., and Krikorian. 3,002,852.

Krimm, Heinrich: *See*—
Schnell, Hermann, Kimpel, Bottenbruch, Krimm, and Fritz. 2,997,459.
Schnell, Hermann, and Krimm. 2,999,846.

Krimmel, Carl P., to G. D. Searle & Co. Derivatives of 3-phenyl - 5,6 - dihydroimidazo - [2.1-b]thiazoles. 2,969,369. 1–24–61, Cl. 260—306.7.

Krimmel, Carl P., to G. D. Searle & Co. 2-substituted derivatives of 7-alkoxy-1,2,3,4-tetrahydro-8H-pyrido(1.2)pyrazin-8-ones and 7-alkoxy-1, or 2,3,4,5,9-hexahydropyrido (1.2) (1.4)diazepin-9-ones and their derivatives. 2,999,860, 9–12–61, Cl. 260—268.

Kring, Gerald L.: *See*—
Garver, Clyde L., Kring, and Nye. 2,966,807.

Kring, Peder L.: *See*—
Ten Ham, Evert J., and Kring. 2,980,587.

Kripak, Leonid: *See*—
Glass, Marvin I., and Kripak. 2,968,119.
Glass, Marvin I., and Kripak. 2,992,004.

Kripak, Leonid, to M. I. Glass. Toy clock. 3,002,335, 10–3–61, Cl. 58—2.

Kristi Co., The: *See*—
Schomers, William H. 2,967,578.

Kristiansen, Frank T.: *See*—
Garthwaite, Albert N., and Kristiansen. 2,971,298.

Kristiansen, Svend H., to Hi-Press Air Conditioning of America, Inc. Sound-deadening air-intake devices. 2,974,745, 3–14–61, Cl. 181—53.

Kristiansen, Svend H., to Hi-Press Air Conditioning of America, Inc. Outlet unit for ventilating plants. 3,005,397, 10–24–61, Cl. 98—40.

Kritchever, Mathew F., 25% to H. Dawson. Thermoplastic bag closure and method. 3,000,415, 9–19–61, Cl. 150—3.

Krithers, Robert M.: *See*—
Lemieux, George E., Krithers, and Croswhite. 2,987,943.

Kritscher, Andrew F., to United States Steel Corp. Method of galvanizing pipe. 3,008,849, 11–14–61, Cl. 117—97.

Kritz, Jack. Ultrasonic system for measuring the physical characteristics of a gas. 2,978,899, 4–11–61, Cl. 73—24.

Kritz, Jack, to American Bosch Arma Corp. Accelerometer. 2,984,111, 5–16–61, Cl. 73—517.

Kritz, Jack. Ultrasonic flowmeters and transducers therefor. 2,993,373, 7–25–61, Cl. 73—194.

Kritzer, Richard W. Drum type heat exchanger. 2,970,812, 2–7–61, Cl. 257—241.

Kritzer, Richard W. Method of making heat transfer units. 2,977,918, 4–4–61, Cl. 113—118.

Kritzer, Richard W. Method of forming heat transfer units. 2,994,123, 8–1–61, Cl. 29—157.3.

Krivit, Lawrence B. Examining device. 3,012,463, 12–12–61, Cl. 88—1.

Krizka, Jerry S.: *See*—
Taylor, John B., and Krizka. 2,979,406.

Krizman Mfg. Co., Inc.: *See*—
Krizman, Steve. 3,008,544.

Krizman, Steve, to Krizman Mfg. Co., Inc. Lubricating system. 3,008,544, 11–14–61, Cl. 184—6.

Kroeger, Henry H., to Worthington Corp. Centrifugal pump with self-priming characteristics. 2,992,617, 7–18–61, Cl. 103—103.

Kroeger, William J.: *See*—
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Musser, C Walton, and Kroeger. 2,992,479.

Kroehler Mfg. Co.: *See*—
Jellnek, Erwin. 2,974,720.
Morton, Lawrence L., Decker, and Bennett. 2,999,285.

Kroeker, Edwin H., to Rohm & Haas Co. Process for producing abrasion-resistant plastic articles. 2,997,745, 8–29–61, Cl. 18—55.

Kroeper, Hugo: *See*—
Platz, Rolf, Kroeper, and Dorsch. 2,985,695.

Kroeper, Hugo, F. Wirth, and O. H. Huchler, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Carbonylation of aryl halide. 3,009,951 11–21–61. Cl. 260—515.

Kroes, Jacob M. A. Anti-blinding screen with built-in lamp means for the illumination of roads with separate tracks. 3,004,145, 10–10–61, Cl. 240—25.

Kroffke, Kenneth K., to Airmatic Valve, Inc. Flow control valve. 3,011,753. 12–5–61, Cl. 251—51.

Krofta, Milos. Stock consistency indicator. 2,992,651, 7–18–61, Cl. 137—92.

Kroger, Marlin G., to Motorola, Inc. Television receiver. 2,970,188, 1–31–61, Cl. 178—7.3.

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Krogman, Francis J. Cattle oiler and scratcher. 2,982,251, 5–2–61. Cl. 119—157.

Krohm, Fred A., to The Anderson Co. Windshield wiper blade assembly and pressure device therefor. Re. 24,974, 4–25–61, Cl. 15—250.42.

Krohm, Fred A., to The Anderson Co. Method for wiping a curved windshield. 2,979,425. 4–11–61, Cl. 134—6.

Krohm, Fred A., to The Anderson Co. Windshield wiper arm assembly. 2,979,426. 4–11–61. Cl. 134—6.

Krohm, Fred A., to The Anderson Co. Windshield wiper arm assembly. 2,979,752. 4–18–61. Cl. 15—250.21.

Krohm, Fred A., to The Anderson Co. Detachably connecting a windshield wiper blade unit and a pressure unit. 3,003,175. 10–10–61. Cl. 15—250.42.

Krohm, Fred A., to The Anderson Co. Windshield wiper unit and wiper blade unit assembly. 3,006,014. 10–31–61. Cl. 15—250.33.

Krohm, Fred A., to The Anderson Co. Windshield wiper arm and blade assembly. 3,010,137. 11–28–61. Cl. 15—250.21.

Krohm, Fred A., to The Anderson Co. Apparatus for wiping a curved windshield. 3,014,232. 12–26–61. Cl. 15—250.23.

Krohm, Fred A., to The Anderson Co. Fluid motor. 3,014,463. 12–26–61. Cl. 121—120.

Krohm, Fred A., and S. L. Okleja, to The Anderson Co. Windshield wiper blade. 3,006,017. 10–31–61. Cl. 15—250.37.

Krohn, Henry W., Jr.: *See*—
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Krokos, Raymond M., and N. B. Smith, to Evans Products Co. Bicycle trainer wheel attachment. 2,976,057, 3–21–61. Cl. 280—293.

Krokos, Raymond M., and J. J. Kostrewa, to Evans Products Co. Hitch assembly. 2,980,442. 4–18–61. Cl. 280—204.

Krol, Jan M.: *See*—
Kuzmick, Jerome F., and Krol. 2,999,309.

Krol, Stanley J.: *See*—
Maximoff, Paul A., and Krol. 3,002,654.

Krol, Stanley J., and J. B. Sola, to Malco Mfg. Co. Terminal crimping machine. 3,002,669, 10–3–61, Cl. 226—71.

Krol, Stanley J., and J. B. Sola, to Malco Mfg. Co. Terminal crimping machine with improved switch. 3,004,581. 10–17–61. Cl. 153—1.

Krolick, Stanley W. Sheet metal bending tool. 2,972,270, 2–21–61, Cl. 81—15.

Kroll, Harley E.: *See*—
Horner, Herbert F., Kroll, and Benson. 2,973,614.

Kroll, Harley E., and H. F. Horner, to Toro Mfg. Corp. Collection bag attachment for lawn mowers. 2,970,422, 2–7–61. Cl. 56—202.

Kroll, Harry: *See*—
Knell, Martin, and Kroll. 3,005,848.

Kroll, Harry, J. V. Simonian, and M. Knell, to Geigy Chemical Corp. Ethylenediaminediacetic acids containing phenolic groups. 2,967,196, 1–3–61, Cl. 260—507.

Kroll, Harry, and R. S. Gubner. Chelates of monosaccharide-amino acids and related compounds. 3,014,026, 12–19–61, Cl. 260—211.

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Ziegler, Karl, Köster, and Kroll. 3,013,043.

Krom, Myron E., to Bell Telephone Laboratories, Inc. Truck concentrator for telephone answering service. 3,002,054, 9–26–61, Cl. 179—27.

Kromer, Wallace R. Method of and apparatus for cooling, storing, mixing and dispensing beverages. 3,011,681, 12–5–61, Cl. 222—1.

Kromex Corp., The: *See*—
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Kromschroder, G., Aktiengesellschaft: *See*—
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Kron, Carl M., to Phillips Petroleum Co. Fractionation process control. 2,977,289, 3–28–61, Cl. 202—40.

Kron, Carl M., to Phillips Petroleum Co. High purity cyclohexane from natural cyclohexane-containing fraction. 3,009,002, 11–14–61, Cl. 260—667.

Kron, Eugene, and P. Glasgow, to Nord Photocopy and Electronics Corp. Photocopy means. 2,989,913, 6–27–61, Cl. 95—89.

Kron, Max. Washing machine. 3,009,342, 11–21–61, Cl. 68—15.

Kron, Saul. Spanner wrench. 3,010,347, 11–28–61, Cl. 81—90.

Kroneberg, Hans-Guenther: *See*—
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Kronenberger, Paul E., and O. V. Saunders, to General Motors Corp. Refrigerator with air circulation outside of liner. 3,006,166, 10–31–61, Cl. 62—407.

Kroner, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Glass polishing compositions. 2,967,096. 1–3–61, Cl. 51—307.

Kronhaus, Dina, and L. M. Lifschutz Portable collapsible patio structure. 3,003,198, 10–10–61, Cl. 20—2.

Kronman, Albert F.: *See*—
Aronson, Theodore F., Kronman, and Lyon. 2,977,016.

Kronoff, Clarence R. *See*—
Herard, Archibald J., Kronoff, and Whitin. 3,014,505.
Herard, Archibald J., Jr., Kronoff, and Sepavich. 2,980,145.

Kronoff, Clarence R., to Crompton & Knowles Corp. Weft detecting mechanism for looms. 2,986,172, 5–30–61, Cl. 139—273.

Kronoff, Clarence R., to Crompton & Knowles Corp. Warp control in a high speed loom. 3,004,562, 10–17–61, Cl. 139—91.

Kronprinz Aktiengesellschaft: *See*—
Rabe, Karl, Sutor, and Krapp. 3,009,742.

Kronquist, Alfred J. Doorjamb structure and method of setting doorjambs including stops. 3,001,244, 9–26–61, Cl. 20—11.

Kronsbein, Curt, and F. Bellmann, to Bellfour Gesellschaft fuer Verfahrens-und Trocknungstechnik m.b.H. Method of dyeing knitted textile products. 2,985,502, 5–23–61, Cl. 8—150.

Kronsbein, Ruth: *See*—
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Kronson, Ernest, and F. Dickinson, to Wagner Folding Box Corp. Cardboard tray. 3,013,710, 12–19–61, Cl. 229—32.

Kronson, Ernest, and F. Dickinson, to Wagner Folding Box Corp. Receptacle closure. 3,013,711, 12–19–61, Cl. 229—36.

Kronstein, Max, and J. Eichberg, to American Lecithin Co. Coating compositions. 2,997,398, 8–22–61, Cl. 106—14.

Kroon, Reinout P., to Westinghouse Electric Corp. Blade vibration damping arrangement for elastic fluid machines. 2,970,809. 2–7–61, Cl. 253—77.

Krooss, Robert J.: *See*—
Foster, Eugene L., Krooss, and Nahikian. 2,984,250.

Kropa, Edward L.: *See*—
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Kropa, Edward L., and G. E. Cremeans, to Esso Research and Engineering Co. Curing agent for urea resins. 2,995,541. 8–8–61, Cl. 260—77.5.

Kropf, Heinz: *See*—
Hock, Heinrich, and Kropf. 3,009,963.

Kropp, Eric E., V. D. Gillham, and M. E. Norman, to White-Rodgers Co. Visual training projector. 2,986,968, 6–6–61, Cl. 88—28.

Krost, Bruce B.: *See*—
Poncar, John J. 3,006,460.

Kroupa, Vĕnceslav, to Tesla, narodni podnik. Circuit arrangement for the glow-discharge tube indication of a decimal tube counter. 2,968,744. 1–17–61, Cl. 315—84.5.

Krouse-Doremus Foundry Co.: *See*—
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Krouse, Glen N., to The Budd Co. Reaction compensated vibratory programmed force producing apparatus. 2,972,336, 2–21–61, Cl. 121—38.

Krouse, Le Roy M.: *See*—
Zech, William A., and Krouse. 3,012,308.

Kroyer, Karl K. K. Refrigerating installations. 3,007,321, 11–7–61, Cl. 62—199.

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Schulze, Robert E., Heartstedt, Jauch, and Kruckeberg. 3,008,486.
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Kruckeberg, Christian W., and R. J. Jauch, to Tokheim Corp. Incinerating toilet. 2,995,097, 8–8–61, Cl. 110—9.

Kruckenberg, Winfried, to Farbenfabriken Bayer Aktiengesellschaft. Water-insoluble phenylazoindole dyes. 2,970,994, 2–7–61, Cl. 260—165.

Kruckenberg, Winfried, L. Nussler, J. Singer, and H. Kleiner, to Farbenfabriken Bayer Aktiengesellschaft. Dyeing of polymers of acrylonitrile. 2,972,508, 2–21–61, Cl. 8—41.

Krueger, Alfred P., to Minnesota Mining and Mfg. Co. Tape-dispensing mechanism. 2,973,890, 3–7–61, Cl. 225—43.

Krueger, Archie S.: *See*—
Jones, Vincent C., Huss, and Krueger. 3,010,670.

Krueger, Arthur P. System of transport for trailers. 2,981,210, 4–25–61, Cl. 105—368.

Krueger, Bruno O.: *See*—
Halpern, Benjamin D., and Krueger. 3,011,954.
Krueger, Edward C.: *See*—
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,857.
Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,858.
Krueger, Edward C., to Hammond Machinery Builders, Inc. Opposed table. 2,988,862, 6–20–61, Cl. 51—240.
Krueger, Howard H., to Cutler-Hammer, Inc. Rotary switch. 2,978,549, 4–4–61, Cl. 200—11.
Krueger, Jack N.: *See*—
Perrozzi, Joseph R., and Krueger. 2,968,210.
Krueger, Leonard R., to Wausau Iron Works. Snow plow. 3,012,345, 12–12–61, Cl. 37—42.
Krueger, Owen A. Apparatus for reducing the loading on the load supporting axles of a truck mounted vehicle. 2,986,407, 5–30–61, Cl. 280—405.
Krueger, Ralph W., to Union Carbide Corp. Flat cell manufacture. 2,995,614, 8–8–61, Cl. 136—111.
Krueger, Rudolph E. Sealing assembly. 2,993,713, 7–25–61, Cl. 286—30.
Krueger, Theodore H. Push button tape dispenser. 2,994,464, 8–1–61, Cl. 226—135.
Krueger, Theodore H., and E. E. Sharpe, to Better Packages, Inc. Strip serving and applying device. 2,970,416, 2–7–61, Cl. 53—198.
Kruesi, Geoffrey G., 10% to A. C. Nolte, Sr. Radio direction finder. Re. 25,064, 10–24–61, Cl. 343—113.
Kruesi, Geoffrey G., 10% to A. C. Nolte, Sr. Airplane instrument approach and landing system. 3,007,162, 10–31–61, Cl. 343—107.
Kruger, August: *See*—
Sobisch, Johannes, Lauschke, Puschmann, and Kruger. 3,012,717.
Kruger, Curtis F.: *See*—
Harper, Walter R., Jr., and Kruger. 2,967,920.
Krüger, Gustav, E. Schütz, and H. Bourquin, to Institut Dr. Ing. Reinhard Straumann A.G. Method of preparing self-lubricating watch and clock parts and the coated article. 2,979,417, 4–11–61, Cl. 117—65.2.
Kruger, Leland R., and L. Suverkrop. Hay balers. 2,982,201, 5–2–61, Cl. 100—99.
Kruithof, Jakob, L. J. G. Nys, and J. L. J. Donceel, to International Standard Electric Corp. Multi-switch contact mechanism. 3,001,022, 9–19–61, Cl. 179—27.54.
Krum, Robert E. Combine chaff and grain conveyor. 2,995,135, 8–8–61, Cl. 130—27.
Krummel, Frederick J., to Walworth Co. Pulp stock valves. 2,982,513, 5–2–61, Cl. 251—203.
Krumrei, William C., and J. Blinka, to The Procter & Gamble Co. Opaque liquid detergent composition. 2,970,964, 2–7–61, Cl. 252—161.
Krumsiek, Harold A., Jr., and G. D. Wood, to Texon, Inc. Process and apparatus for forming an impregnated fiber product. 2,993,828, 7–25–61, Cl. 162—184.
Krupa, George J., to United States Steel Corp. Blast furnace bell and bell hopper arrangement. 3,010,711, 11–28–61, Cl. 266—27.
Krupick, Walter J.: *See*—
Lewis, William J., and Krupick. 2,985,021.
Krupin, Fred: *See*—
Brost, Gene A., Krupin, and Woodward. 2,989,434.
Krupp, Fried., Mortoren- und Kraftwagenfabriken G.m.b.H.: *See*—
Helling, Jürgen. 2,977,134.
Krupp, Robert F., and J. K. Wagner, to Gerber Products Co. Machine for testing and sorting cartons holding containers. 3,011,633, 12–5–61, Cl. 209—74.
Kruppa, William J.: *See*—
Barclay, Kenneth M., Nobles, and Kruppa. 3,010,882.
Krups, Fritz, to Detecto Scales, Inc. Weighing machine, particularly for weighing persons. 2,969,229, 1–24–61, Cl. 265—68.
Kruse, E. A.: *See*—
Haring, Ivan P. 2,975,580.
Kruse, Edwin C.: *See*—
Hartzband, Harry M., and Kruse. 2,991,245.
Kruse, Elmer A., to Wagner Electric Corp. Package for box-like containers. 2,986,272, 5–30–61, Cl. 206—65.
Kruse, George C. Coupling device for tubular structural element. 2,995,392, 8–8–61, Cl. 287—118.
Kruse, Howard W., to United States of America, Navy. Motor fuel composition. 2,982,637, 5–2–61, Cl. 52—.5
Kruse, John R., Jr., and R. S. Hudson, to Diamond Power Specialty Corp. Automatic amplitude control for television systems. 2,978,537, 4–4–61, Cl. 178—6.8.
Kruse, John R., Jr., L. D. Burgess, and J. A. Stumpf, to Diamond Power Specialty Corp. Optical defect detector. 2,975,293, 3–14–61, Cl. 250—219.
Kruse, Norman F., to Central Soya Co., Inc. Thermal pressure preparation of high fat meal. 2,978,326, 4–4–61, Cl. 99—22.
Kruse, Paul W., to International Telephone and Telegraph Corp. Holding switch. 2,997,630, 8–22–61, Cl. 317—125.
Kruse, Ralph H., H. N. Fawcett, and J. D. Digby, to Cambridge Instrument Co., Inc. Recording with audible and visible monitoring. 2,986,606, 5–30–61, Cl. 179—100.2.
Kruse, Uno, and D. F. Herman, to National Lead Co. Sodium-catalyzed ethylene polymerization. 2,975,166, 3–14–61, Cl. 260—94.9.
Kriss, Johannes. Method for producing feed. 2,986,469, 5–30–61, Cl. 99—7.
Krüssmann, Adolf. Indicating circuit. 2,979,705, 4–11–61, Cl. 340—178.
Kruzan, Albert W., to Borg-Warner Corp. Static dry mechanism for a clothes dryer. 2,978,232, 4–4–61, Cl. 259—81.
Kruzic, John F.: *See*—
Bachus, Benson F., and Kruzic. 3,003,709.
Krygowski, Joseph, to Novo Industrial Corp. Stud-staking arrangement. 3,012,641, 12–12–61, Cl. 189—36.
Krynski, John E.: *See*—
Buss, Benjamin A., and Krynski. 2,972,510.
Buss, Benjamin A., and Krynski. 2,974,514.
Krynski, John E., to American Machine and Metals, Inc. Filter. 3,013,666, 12–19–61, Cl. 210—404.
Krynytzky, Alexander: *See*—
Hoffmann, Otto, and Krynytzky. 2,975,743.
Kryzer, Benjamin H.: *See*—
Tischler, Edward J., and Kryzer. 2,985,423.
Kryzer, Benjamin H., to Union Tank Car Co. Controls for fluid treatment apparatus. 2,999,514, 9–12–61, Cl. 137—624.18.
Kryzer, Benjamin H., T. W. Techler, and R. G. Thompson, to Union Tank Car Co. Brine supply system for fluid treatment apparatus. 3,003,638, 10–10–61, Cl. 210—139.
Kryzer, Benjamin H., and R. G. Thompson, to Union Tank Car Co. Multiple port valve assembly. 3,007,482, 11–7–61, Cl. 137—119.
Krzesinski, Boleslaw: *See*—
Finlayson, Donald, and Krzesinski. 2,988,418.
Finlayson, Donald, Krzesinski, and Cooke. 2,973,018.
Krzikalla, Hans, G. Lange, and B. Eistert, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Azo dyestuffs. 3,001,982, 9–26–61, Cl. 260—151.
Ksieski, Kazimierz T., and S. D. Burton, to Parker-Hannifin Corp. Balanced poppet valve. 2,982,299, 5–2–61, Cl. 137—454.6.
Kubach, Richard A. Life saving device. 2,991,489, 7–11–61, Cl. 9—4.
Kube, Adolph M. L.: *See*—
Ford, William W., and Kube. 2,978,063.
Kubel, Manfred, and H. Preiss, to Robert Bosch, G.m.b.H. Tool-driving shaft assembly for household appliances. 2,968,488, 1–17–61, Cl. 279—24.
Kuber, Mandel D., and B. B. Ruby, to Joseph Machine Co., Inc. Waistband assembly for garment. 2,986,742, 6–6–61, Cl. 2—236.
Kubera, Gerhard, to Alfred Teves Maschinen- und Armaturenfabrik KG. Closing member for hollow valve cones. 2,982,011, 5–2–61, Cl. 29—156.7.
Kubera, Gerhard, and G. Prasse, to Alfred Teves Maschinen- und Armaturenfabrik KG. Process for surface protection of parts subject to high thermal stress. 2,987,805, 6–13–61, Cl. 29—156.7.
Kubes, John P. Shipping container assembly apparatus. 2,979,727, 4–18–61, Cl. 1—146.
Kubes, John P. Shipping container. 3,009,596, 11–21–61, Cl. 217—47.
Kubesh, Milo F., 20% to L. F. Fasching, 20% to F. H. Bickman, and 20% to K. F. Guggemos. Upright erecting and hinging means. 2,985,261, 5–23–61, Cl. 189—28.
Kubik, Paul P., to The Yale and Towne Mfg. Co. Cylindrical lock. 2,983,537, 5–9–61, Cl. 292—169.
Kubiliunas, Ignas B. Combined cap and pouring spout for glass and metal containers. 3,009,610, 11–21–61, Cl. 222—484.
Kubler, Donald G.: *See*—
Hoaglin, Raymond I., Montagna, and Kubler. 2,982,787.
Montagna, Amelio E., Brezinski, and Kubler. 2,995,599.
Montagna, Amelio E., Kubler, and Brezinski. 2,998,446.
Kubota, Hiroyuki: *See*—
Cregan, Maurice J., and Kubota. 3,014,458.
Kubota, Takashi, to Hitachi Ltd. Detecting and automatic gain controlling circuit arrangement using transistors. 3,012,136, 12–5–61, Cl. 250—20.
Kuc, Simon F. Vehicle wheel chain. 2,970,632, 2–7–61, Cl. 152—241.
Kucera, Clement M., to Reed Roller Bit Co. Detritus trap for well drill. 2,982,367, 5–2–61, Cl. 175—328.
Kucera, Joseph B.: *See*—
McElhinney, Eric M., and Kucera. 3,011,793.
Kuch, Carl: *See*—
Nusslein, Joseph, and Kuch. 2,990,231.
Kuchenbecker, Morris W.: *See*—
Huss, William S., and Kuckenbecker. 2,974,852.
Kuchenbecker, Morris W., to American Can Co. Carton lock. 2,984,400, 5–16–61, Cl. 229—39.
Kuchenbecker, Morris W., to American Can Co. Divider. 3,014,632, 12–26–61, Cl. 229—15.
Kuchler, Theodore C.: *See*—
Taschenberg, Ernest J., and Kuchler. 2,998,987.
Kuck, John H., to United States of America, Navy. Deferred action battery. 2,979,552, 4–11–61, Cl. 136—90.
Kuck, John H., to United States of America, Navy. Autocorrelation discriminator. 2,998,942, 9–5–61, Cl. 244—14.
Kuck, John H., to United States of America, Navy. Temperature sonde. 3,008,666, 11–14–61, Cl. 244—14.
Kuck, John H., and W. M. McCord, to United States of America, Navy. Gaseous relaxation pulse generator with output taken from screen grid. 2,999,211, 9–5–61, Cl. 331—129.
Kuck, Wilbert A. Visual lubricant gauge. 3,011,345, 12–5–61, Cl. 73—292.

Kückens, Alexander, to Dagma & Co., G.m.b.H. Coffee dispenser responsive to presence or absence of a cup. 3,001,557, 9–26–61, Cl. 141—94.
Kuckhoff, Carl J.: *See*—
Biedinger, Henry J., and Kuckhoff. 3,008,175.
Kuckhoff, John C.: *See*—
Biedinger, Henry J., and Kuckhoff. 2,998,878.
Kucmerosky, Theodore L., to The Bendix Corp. Bobbin holder suspension means. 2,973,920, 3–7–61, Cl. 242—130.2.
Kuconis, Barney E., to Hoague-Sprague Corp. Machine for applying reinforcing cords to the edge of a web. 3,005,484, 10–24–61, Cl. 156—438.
Kucsan, John, and B. B. Kine, to Rohm & Haas Co. Interpolymer of acrylonitrile, acrylamide, ethyl acrylate, and higher alkyl acrylate, and aqueous dispersions thereof. 2,994,676, 8–1–61, Cl. 260—29.4.
Kudalis, Edwin J., to Controls Co. of America. Alternate action switch. 2,988,613, 6–13–61, Cl. 200—67.
Kudar, John C. Continuous motion picture transmitting apparatus. 2,972,280, 2–21–61, Cl. 88—16.8.
Kudela, Alfred F.: *See*—
Conger, Robert L., and Kudela. 2,997,695.
Kudera, Dieter. Process for producing threads, foils, tubes and the like from amylose and/or starch carbohydrates containing amylose. 2,973,243, 2–28–61, Cl. 18—54.
Kudlaty, Walter J.: *See*—
Flick, Francis S., and Kudlaty. 2,979,369.
Flick, Francis S., and Kudlaty. 3,004,574.
Kudner, Donald F. Vehicle guard partition. 2,997,331, 8–22–61, Cl. 296—24.
Kuebel, Daniel J.: *See*—
Hain, Paul, and Kuebel. 3,000,631.
Kuebler, James F. Scenery handling apparatus. 2,991,526, 7–11–61, Cl. 24—126.
Kuebler, John R., Jr.: *See*—
Verner, Harry G., and Kuebler. 3,004,835.
Kuebler, Thomas L.: *See*—
Bayston, John R., and Kuebler. 3,009,336.
Kuebler, Werner R., P. J. Gregory, and H. S. Cockeram, to Gillespie-Rogers-Pyatt Co., Inc. Art of dewaxing shellac. 2,985,642, 5–23–61, Cl. 260—107.
Kuecken, John A., to Avco Corp. Folded dipole antenna fabricated from a single metallic sheet. 2,978,703, 4–4–61, Cl. 343—803.
Kuecken, John A., to Avco Corp. Phase shift scanning antenna. 3,007,168, 10–31–61, Cl. 343—854.
Kuehl, Ernest W.: *See*—
Ellis, Roger H., and Kuehl. 2,999,221.
Kuehl, Frederick A., Jr.: *See*—
Wagner, Arthur F., and Kuehl. 3,000,902.
Kuehl, Guenter: *See*—
Gunderson, Allen D., and Kuehl. 2,976,775.
Kuehn, William G., Jr.: *See*—
Johnson, Richard H., and Kuehn. 2,981,459.
Kuehne, Walter, F. J. Ocnaschek, and D. O. Martin, to Collins Radio Co. Automatic control of earth-moving machines. 3,009,271, 11–21–61, Cl. 37—143.
Kuellmar, Adolph G.: *See*—
Loomis, Russell M., Kuellmar, and Lundvall. 3,005,419.
Kuemmerling, Karl. Saw handle construction. 3,007,503, 11–7–61, Cl. 145—31.
Kuen, Franz M. Method of temporarily sterilizing a liquid. 2,992,883, 7–18–61, Cl. 21—58.
Kueneman, Ray W.: *See*—
Shaw, Roy L., Jr., Kueneman, and Conrad. 2,983,619.
Kuenning, Robert W.: *See*—
Aaland, Kris, Kuenning, and Harmon. 2,982,917.
Kuentzel, Ward E., to Standard Oil Co. High pressure closure. 2,967,639, 1–10–61, Cl. 220—46.
Kuepper, William E.: *See*—
Smith, Roy B. 2,981,286.
Kueppers, Wilhelm: *See*—
Conrad, Johannes, Blum, and Kueppers. 2,993,743.
Conrad, Johannes, Janson, Weller, Blum, and Kueppers. 2,993,742.
Kuespert, Stanley D.: *See*—
Dresbach, Robert A., and Kuespert. 2,999,233.
Kuester, Donald A.: *See*—
Baur, Leslie L., Gardafee, Kuester, Larson, Putzer, and Leeman. 2,998,891.
Kuester, Donald W., to United States of America, Navy. Low frequency hydrophone. 3,002,179, 9–26–61, Cl. 340—10.
Kuester, Frank E.: *See*—
Becktel, Jack M., Kuester, and Fritz. 3,008,833.
Findley, Thomas W., Ohlson, and Kuester. 3,006,936.
Kuester, Frank E., and T. W. Findley, to Swift & Co. Complex epoxy fatty esters. 2,978,463, 4–4–61, Cl. 260—348.
Kufferath, Josef. Electrically heated screen for separating coarser material from accompanying fines. 2,984,357, 5–16–61, Cl. 209—401.
Kugelfischer Georg Schäfer & Co.: *See*—
Staege, Werner, and Schenk. 3,007,464.
Kughler, Edwin R. Push-off attachments for lift trucks. 2,993,610, 7–25–61, Cl. 214—514.
Kugler, Albert H., to California Packing Corp. Peach spooner. 2,975,811, 3–21–61, Cl. 146—28.
Kugler, Emanuel. Draw string bag. 3,010,640, 11–28–61, Cl. 229—63.
Kugler, Simon, to The British Oxygen Co. Ltd. Converter system for liquefied gases. 2,983,106, 5–9–61, Cl. 62—51.
Kuhar, Ludwig J., to The Singer Mfg. Co. Thread carriers for sewing machine loop takers. 2,974,618, 3–14–61, Cl. 112—231.
Kuhar, William A.: *See*—
Carlson, Elmer T., and Kuhar. 2,997,555.
Kuhl, Henry Y. and P. R. Egg tray. 3,000,528, 9–19–61, Cl. 217—26.5.
Kuhl, Paul R.: *See*—
Kuhl, Henry Y. and P. R. 3,000,528.
Kühle, Engelbert: *See*—
Flück, Victor, Kühle, and Wegler. 3,005,750.
Kuhlman, Arthur H., Jr., to The B. F. Goodrich Co. Tubeless tire. 2,985,217, 5–23–61, Cl. 152—362.
Kuhlman, Carl W., Jr., and G. P. Lang, to United States of America, Atomic Energy Commission. Separation of scandium values from iron values by solvent extraction. 3,013,859, 12–19–61, Cl. 23—22.
Kuhlman, Lester H. Grinding apparatus. 3,012,379, 12–12–61, Cl. 51—33.
Kuhlman, Walter F. Coupling adapter. 2,976,063, 3–21–61, Cl. 285—119.
Kuhlmann, August M., to Union Carbide Corp. Calcium carbide production. 2,996,360, 8–15–61, Cl. 23—208.
Kuhlmann, Emil P., to The National Cash Register Co. Record material feeding means. 2,985,352, 5–23–61, Cl. 226—51.
Kuhm, Max: *See*—
Bucken, Curt, and Kuhm. 2,990,225.
Kuhn, Albert J., and D. D. Rector, to General Motors Corp. Refrigerating apparatus. 2,969,959, 1–31–61, Cl. 257—278.
Kuhn, Carl S.: *See*—
Bartholomew, Thomas L., and Kuhn. 2,983,053.
Kuhn, Donald H.: *See*—
Hoefer, William G., and Kuhn. 2,988,739.
Kuhn, Earl C., to Westinghouse Electric Corp. Brush holder. 2,972,689, 2–21–61, Cl. 310—246.
Kuhn, George, deceased; G. C. Kuhn, executor. Windshield wiper assembly. 2,995,766, 8–15–61, Cl. 15—250.25.
Kuhn, George C.: *See*—
Kuhn, George. 2,995,766.
Kühn, Hans-Robert, to Electroacustic Gesellschaft mit beschrankter Haftung. Transducer devices for stereophonic grooved sound records. 2,979,573, 4–11–61, Cl. 129—100.41.
Kuhn, Harold A.: *See*—
Polk, Isaac H., and Koch. 2,974,776.
Kuhn, Heinrich: *See*—
Scherer, Otto, Steinmetz, Kuhn, Wetzel, and Grafen. 2,994,723.
Kuhn, James O., to Bromo Mint Co. Toy construction set. 3,002,315, 10–3–61, Cl. 46—19.
Kuhn, James O., to Bromo-Mint Co. Jumping seat toy. 3,013,764, 12–19–61, Cl. 248—487.
Kuhn, John H. Camp stoves. 2,988,082, 6–13–61, Cl. 126—25.
Kuhn, Ludvik: *See*—
Němec, Jaroslav, and Kuhn. 2,966,801.
Kuhn, Paul, to Pathe Equipment Co., Inc. Automatic stop device for multi-needle sewing machines. 3,009,433, 11–21–61, Cl. 112—219.
Kuhn, Paul G.: *See*—
Chryst, Anton W., and Kuhn. 2,985,304.
Kuhn, Robert E.: *See*—
Rose, Werner P., Gessinger, and Kuhn. 3,009,376.
Kuhn, Stephen J.: *See*—
Olah, George A., and Kuhn. 2,981,602.
Olah, George A., and Kuhn. 2,998,460.
Olah, George A., Kuhn, and Barnes. 2,996,554.
Kuhn, Steven J.: *See*—
Olah, George A., and Kuhn. 3,000,986.
Kuhne, Christoph, to Askania-Werke A.G. Hydrostatic bearing system. 2,981,572, 4–25–61, Cl. 308—9.
Kuhner, Frank: *See*—
Voity, Maurice, and Kuhner. 3,010,170.
Kuhner, Max H., to Riley Stoker Corp. Spray desuperheater. 2,984,468, 5–16–61, Cl. 261—79.
Kuhnert, Rudolf, and H. Stuhmke, to VEB Kamera- und Kinowerke Dresden. Motion picture projector. 2,974,840, 3–14–61, Cl. 226—49.
Kuhnert, Rudolf, and J. Viehbach, to VEB Kamera-und Kinowerke Dresden. Magazine-type device for magnetically recording and/or transmitting sound in synchronous operation with a separate device for taking or projecting motion pictures. 2,988,954, 6–20–61, Cl. 88—16.2.
Kuhni, Leopold K., to Eversharp, Inc. Safety razor blade dispensing magazine with used blade compartment. 2,982,442, 5–2–61, Cl. 221—102.
Kuhni, Leopold K., and M. Glaberson, to Eversharp, Inc. Safety razor case. 2,984,380, 5–16–61, Cl. 220—31.
Kuhnle, Ernst. Weighing scale. 3,002,576, 10–3–61, Cl. 177—255.
Kuhrmeyer, Carl A., to Minnesota Mining and Mfg. Co. Heat-sensitive copy-paper. 2,976,415, 3–21–61, Cl. 250—65.
Kuhrt, Friedrich, and W. Engel, to Siemens-Schuckertwerke Aktiengesellschaft. Hall-voltage generating device. 2,986,711, 5–30–61, Cl. 332—51.
Kuhrt, Friedrich, and G. Stark, to Siemens-Schuckertwerke Aktiengesellschaft. Slotted hall effect transducer. 2,987,581, 6–6–61, Cl. 179—100.2.
Kuhrt, Friedrich, and K. Maaz, to Siemens-Schuckertwerke Aktiengesellschaft. Hall voltage generators for amplifier and oscillator purposes. 2,988,707, 6–13–61, Cl. 331—107.

Kuhrt, Friedrich, and E. Braunersreuther, to Siemens-Schuckertwerke Aktiengesellschaft. Ratio computing apparatus. 3,003,698, 10–10–61, Cl. 235—196.
Kuhrt, Friedrich, and K. Maaz, to Siemens-Schuckertwerke Aktiengesellschaft. Temperature compensated hall voltage generators. 3,008,083, 11–7–61, Cl. 323—69.
Kuhrt, Wesley A., to United Aircraft Corp. Ducted fan engine. 3,000,176, 9–19–61, Cl. 60—35.6.
Kuipers, Minne, and J. van der Poel, to North American Philips Co., Inc. Electric discharge tube. 2,973,449, 2–28–61, Cl. 313—271.
Kuivila, Henry G., and O. F. Beumel, Jr., to Research Corp. Method of reduction with hydrocarbontin hydrides. 2,997,485, 8–22–61, Cl. 260—389.
Kuivinen, William L.: *See*—
Kamp, Ewald A., and Kuivinen. 3,009,394.
Kujas, Eric F., to The Electric Storage Battery Co. Counter cell electrolyte. 2,973,399, 2–28–61, Cl. 136—155.
Kujawa, Edmund J.: *See*—
Cahill, Richard T., and Kujawa. 2,980,452.
Kukin, Ira, and K. S. Spiegler, to Gulf Research & Development Co. Stabilization of fuel oils. 2,980,517, 4–18–61, Cl. 44—62.
Kukka Electric Corp.: *See*—
Kulka, Eugene R. 2,998,589.
Kuklinski, Henry W., to Carrier Corp. Refrigeration system with variable speed compressor. 3,010,289, 11–28–61, Cl. 62—196.
Kuksa, John R., to Automatic Electric Laboratories, Inc. Adapter circuit for adding automatic answering to central station switching equipment. 3,003,033, 10–3–61, Cl. 179—6.
Kulak, John: *See*—
Northcote, John A., and Kulak. 2,994,174.
Kulbersh, Nathan, and G. J. Filia, to Sargent & Co. Carpenter's planes. 2,969,097, 1–24–61, Cl. 145—14.
Kulcsar, Frank, to Clevite Corp. Ferroelectric ceramic composition. 3,006,857, 10–31–61, Cl. 252—62.9.
Kulesa, Bernard S., to Lev-L-It Stirrup Co., Inc. Scaffold stirrup. 2,977,083, 3–28–61, Cl. 248—324.
Kulicke Frames, Inc.: *See*—
Kulicke, Robert M. 3,003,272.
Muhlemann, Ernst. 2,992,464.
Kulicke, Frederick W.: *See*—
Tancredi, Henry, and Kulicke. 2,999,607.
Kulicke, Frederick W., Jr.: *See*—
Bycer, Manuel M., and Kulicke. 3,006,245.
Hohenadel, John J., Soffa, and Kulicke. 2,982,985.
Kulicke, Frederick W., Jr., and A. Soffa, to Western Electric Co., Inc. Welding apparatus. 3,003,051, 10–3–61, Cl. 219—78.
Kulicke, Robert M., to Kulicke Frames, Inc. Mounting. 3,003,272, 10–10–61, Cl. 40—155.
Kulicke & Soffa Mfg. Co.: *See*—
Bycer, Manuel M., and Kulicke. 3,006,245.
Hohenadel, John J., Soffa, and Kulicke. 2,982,985.
Tancredi, Henry, and Kulicke. 2,999,607.
Kulieke, Frederick C., to American Steel Foundries. Rotary coupler arrangement. 2,990,963, 7–4–61, Cl. 213—62.
Kulig, Francis V., to Federal Paper Board Co., Inc. Article carrier. 2,993,618, 7–25–61, Cl. 220—112.
Kuliga, Felix N.: *See*—
Lemke, Lester H., and Kuliga. 2,992,847.
Kulik, Metro D., to Consolidation Coal Co. Liquid carbon black feedstock. 2,989,458, 6–20–61, Cl. 208—8.
Kulik, Metro D., to Consolidation Coal Co. Method for removing finely divided solid particles from low temperature carbonization tars. 3,010,893, 11–28–61, Cl. 208—8.
Kulka Electric Corp.: *See*—
Kulka, Eugene R. 2,991,440.
Kulka, Eugene R., to Kulka Electric Corp. Screw-type terminal connector for printed circuits. 2,991,440, 7–4–61, Cl. 239—17.
Kulka, Eugene R., to Kukka Electric Corp. Terminal block assembly. 2,998,589, 8–29–61, Cl. 339—198.
Kulka, James M. Portable toilet or the like. 2,999,247, 9–12–61, Cl. 4—119.
Kulka, Thomas S. Friction reducing tape reel. 2,973,159, 2–28–61, Cl. 242—71.8.
Kulka, Thomas S. Reel engaging tape retaining means. 2,993,588, 7–25–61, Cl. 206—53.
Kulka, Thomas S. Retaining means for tape wound on a reel. 3,012,662, 12–12–61, Cl. 206—53.
Kull, Francis R., to Standard Pressed Steel Co. Socket drive. 2,969,250, 1–24–61, Cl. 287—126.
Külling, Emil: *See*—
Sigg, Walter, Külling, and Schaffützel. 2,992,166.
Kulp, Harry W., to K. D. Mfg. Co. Petcock drain tool, nonflexible shaft. 3,010,346, 11–28–61, Cl. 81—90.
Kulsrud, Russell M., and L. Spitzer, Jr., to United States of America, Atomic Energy Commission. High temperature reactor. 3,012,955, 12–12–61, Cl. 204—193.2.
Kumagai, Jinji. Automatic telephone dialing system. 2,988,603, 6–13–61, Cl. 179—90.
Kumin, Victor M., and J. H. Hollister, to The Kendall Co. Process for continuous purification of bulk fiber. 2,970,882, 2–7–61, Cl. 8—108.
Kumins, Charles A., J. Fine, and V. L. Chase, to Interchemical Corp. Process of coloring textile materials. 2,971,458, 2–14–61, Cl. 101—170.
Kumins, Charles A., P. A. Scardaville, and R. G. Frieser, to Interchemical Corp. Pigment and method of preparing same. 2,993,065, 7–18–61, Cl. 260—439.
Kumler, William L.: *See*—
Miller, Montgomery K., and Kumler. 2,981,332.
Miller, Montgomery K., and Kumler. 2,981,333.
Kummer, Ed., A.G.: *See*—
Von Gunten, Fritz. 2,986,869.
Kummerlowe, Carl K., and J. E. Batie, ⅓ to F. Bruce. Refrigeration apparatus. 2,990,694, 7–4–61, Cl. 62—141.
Kummerman, Henri, to Ateliers et Chantiers de Bretagne (Anciens ets. de la Brosse et Fouche), and MacGregor-Comarain. Retractable ramps for interconnecting spaces situated at different levels. 2,979,007, 4–11–61, Cl. 114—72.
Kummerman, Henri, to International MacGregor Organization (I.M.G.O.). Method of and device for controlling the closing panels of shipholds, railway cars and the like. 2,979,012, 4–11–61, Cl. 114—202.
Kummeth, George J., Sr., to Kummeth Mfg. Co. Collapsible stroller. 3,000,646, 9–19–61, Cl. 280—41.
Kummeth Mfg. Co.: *See*—
Kummeth, George J., Sr. 3,000,646.
Kumpman, Daniel F. Pendulum ball game. 2,967,713, 1–10–61, Cl. 273—119.
Kuna, Samuel, and A. G. Wilson, to Bristol-Myers Co. Cyclobutane analgesics. 3,004,889, 10–17–61, Cl. 167—65.
Kunc, John F., Jr.: *See*—
Clarke, John V., Jr., Smith, and Kunc. 3,010,903.
Kundert, Alex, to Flarilham S.A. Ball applicator attachment for bottles. 2,974,351, 3–14–61, Cl. 15—572.
Kundiger, Donald G., and G. F. Morris, to The Dow Chemical Co. Trans-*p*-chloro-*α*-methylcinnamic acid. 2,969,389, 1–24–61, Cl. 260—515.
Kundiger, Donald G., and J. H. Hennes, to The Dow Chemical Co. Dioxanes. 3,000,904, 9–19–61, Cl. 260—340.7.
Kundiger, Donald G., and R. L. Soulen, to The Dow Chemical Co. Chloro-allylamines. 3,008,994, 11–14–61, Cl. 260—583.
Kunec, Michael G.: *See*—
Catlin, Beryl G., and Kunec. 2,994,329.
Catlin, Beryl G., and Kunec. 2,994,330.
Kunetka, Robert E., to Texaco Inc. In situ combustion. 3,000,441, 9–19–61, Cl. 166—11.
Kunkel, Albert A.: *See*—
Kunkel, Aloysius T. 2,996,769.
Kunkel, Aloysius T., deceased; A. A. Kunkel, administrator. Adjustable weatherstripping for thresholds. 2,996,769, 8–22–61, Cl. 20—68.
Kunkel, Edward A.: *See*—
Altonji, Edmund R., and Kunkel. 2,987,717.
Kunkle, Gerald E., to Pittsburgh Plate Glass Co. Polybutene sealing compound for glazing purposes. 2,974,377, 3–14–61, Cl. 20—56.5.
Kunkle, Jay H. Extensible electrical outlet connection. 2,984,714, 5–16–61, Cl. 191—12.
Kunscher, Heinz: *See*—
Wirth, Thomas, and Kunscher. 3,011,458.
Kunsman, Laurence D.: *See*—
Hose, Alfred G., Kunsman, and Wennes. 2,992,469.
Kunstadt, George H., to Raytheon Co. Off-centered sweep amplifiers. 2,998,542, 8–29–61, Cl. 315—22.
Kunstzijdespinnerij Nyma N.V.: *See*—
Heukensfeldt Jansen, Hubertus V.P. 2,981,047.
Nijhoff, Gerard J. J. 3,001,884.
Kuntz, George A., and G. F. Gannon, Jr., to Westinghouse Electric Corp. Display device. 2,998,546, 8–29–61, Cl. 315—169.
Kuntz, Glenn C., to General Motors Corp. Material applying apparatus. 2,991,598, 7–11–61, Cl. 51—263.
Kuntz, Irving: *See*—
Baldwin, Francis P., Thomas, and Kuntz. 2,983,705.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,706.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,707.
Miller, Alfred L., Kuntz, and Baldwin. 2,993,027.
Serniuk, George E., Kuntz, and Baldwin. 3,009,904.
Kuntz, Irving, to Esso Research and Engineering Co. Halogenation of rubbery copolymers. 2,994,690, 8–1–61, Cl. 260—85.3.
Kuntz, Irving, and F. P. Baldwin, to Esso Research and Engineering Co. Process of reacting a tertiary amine with a halogenated copolymer of an isoolefin monomer and a multiolefin monomer, and product thereof. 3,011,996, 12–5–61, Cl. 260—41.5.
Kuntz, Louis E., to Phillips Petroleum Co. Measurement and control of B.S. & W. in oil. 3,005,554, 10–24–61, Cl. 210—96.
Kuntz, Robert S., to The M. A. Hanna Co. Rotary sizing mechanism. 2,974,793, 3–14–61, Cl. 209—106.
Kunz, George E., to Hughes Tool Co.-Aircraft Div. Cartridge for firearms having side-loaded firing chambers. 2,996,988, 8–22–61, Cl. 102—38.
Kunz, Jacob T., to Schulmerich Electronics, Inc. Method of tuning a musical tone generator bar. 3,013,461, 12–19–61, Cl. 84—402.
Kunze, Heinrich: *See*—
Gassen, Peter, Holtschmidt, Kunze, and Braun. 3,014,077.
Kunzler, William S.: *See*—
Branson, Charles D., and Kunzler. 3,002,693.
Kunzler, William S., to Robertshaw-Fulton Controls Co. Control device operator. 2,972,262, 2–21–61, Cl. 74—504.

Kunzog, Theodore W., to General Motors Corp. Cylinder liner and valve seat assembly. 3,000,370, 9–19–61, Cl. 123—193.

Kuo, Chi S. Nail clippers. 2,970,376, 2–7–61, Cl. 30—28.

Kuo, Chi S. Combination door holder and stopper. 2,988,392, 6–13–61, Cl. 292—338.

Kupchan, S. Morris, to Wisconsin Alumni Research Foundation. Protoverine 6,7-diacetate 15(1)2'-methylbutyrate and its preparation. 3,009,917. 11–21–61, Cl. 260—287.

Kupfer, Armin. Electronic control system having predetermined output independent of input signal. 2,978,644, 4–4–61, Cl. 328—86.

Kupfer-Asbest-Co.: *See*—
Augustin, Gustav. 3,009,722.

Kupferschmitt, Alfred: *See*—
Edwards, Robert S., Sharp, and Kupferschmitt. 2,991,644.

Kupka, John J., to McKiernan-Terry Corp. Concrete pile form. 2,972,872, 2–28–61, Cl. 61—53.52.

Küpper, Wilhelm, to W. Reiners. Coil starting device for yarn winding machines. 2,969,196, 1–24–61, Cl. 242—27.

Kuppers, Josef, to Firma Franz Muller, Maschinenfabrik. Winding machines, particularly cross-winding machines. 3,004,726, 10–17–61, Cl. 242—43.2.

Kuppers Metallwerk G.m.b.H.: *See*—
Melchiors, Horst. 3,000,769.
Melchiors, Horst, and Luz. 2,992,949.

Kups, Edward F., to United States of America, Air Force. Error-detecting circuit for pulse storage systems. 2,975,404, 3–14–61, Cl. 340—164.

Kurashiki Rayon Co., Ltd.: *See*—
Matsumoto, Masakazu, and Shiraishi. 2,983,759.
Osugi, Tetauro, Tanabe, and Morimoto. 2,977,183.
Tanabe, Kenichi, Miyazaki, and Osugi. 3,011,861.
Tomonari, Tsukumo, and Akaboshi. 2,988,802.
Tomonari, Tsukumo, and Nomura. 2,990,235.

Kurata, Fred, to Conch International Methane Ltd. Removal of aromatics from liquefied natural gas. 3,001,372, 9–26–61, Cl. 62—15.

Kurbjuweit, Hans-Georg: *See*—
Stach, Kurt, Achelis, Kroneberg, and Kurbjuweit. 3,004,984.

Kurent, Valentine M.: *See*—
Baker, Clyde F., Kennedy, and Kurent. 2,968,166.

Kurfman, Virgil B.: *See*—
Sturkey, Lorenzo, and Kurfman. 2,976,143.

Kurhajec, George A., to Shell Oil Co. Production of esters and alcohols. 2,986,577, 5–30–61, Cl. 260—488.

Kurie, Franz N. D., and L. A. Cartwright, to United States of America, Navy. Expandable echo sounder. 2,978,668, 4–4–61, Cl. 340—2.

Kurie, Franz N. D., and L. A. Cartwright, to United States of America, Navy. Expandable lead line sounder. 2,978,690, 4–4–61, Cl. 320—224.

Kuris, Arthur: *See*—
Balamuth, Lewis, and Kuris. Re. 25,033.
Balamuth, Lewis, and Kuris. 2,990,616.

Kurkjian, Hrand L.: *See*—
Astrahan, Morton M., Batchelor, Housman, Kurkjian, and Sarahan. 3,012,227.

Kurkjian, Hrand L., and E. G. Wagner, to International Business Machines Corp. Binary signal storage. 3,003,137, 10–3–61, Cl. 340—172.5.

Kurkoske, Robert E. Water closet flushing apparatus with non-sweating tank. 2,971,201, 2–14–61, Cl. 4—19.

Kurland, Jacob. Magnetic key holder. 3,007,568, 11–7–61, Cl. 206—19.5.

Kurland, Jerome J. and Joseph J., to Illinois Condenser Co. Method of manufacturing a miniature capacitor. 2,987,800, 6–13–61, Cl. 29—25.31.

Kurland, Jerome J. and J. J., to Illinois Condenser Co. Multiple-terminal miniature capacitor and method of making same. 3,010,056, 11–21–61, Cl. 317—230.

Kurland, Joseph J.: *See*—
Kurland, Jerome J. and Joseph J. 2,987,800.
Kurland, Jerome J. and Joseph J. 3,010,056.

Kurokawa, Kazuo: *See*—
Noda, Katsuhiko, and Kurokawa. 2,974,272.

Kuroshiki Rayon Co., Ltd.: *See*—
Matsubayashi, Kanji, Ueno, and Tanabe. 3,007,228.

Kurowski, Walter J., to Aluminum Refrigerator Door Co., Inc. Refrigerator door. 2,987,782, 6–13–61, Cl. 20—16.

Kurrasch, Leslie F.: *See*—
Bratt, Robert W., Kirkland, Kurrasch, and Fossler. 2,971,726.

Kurre, Paul G., to Allis-Chalmers Mfg. Co. Variable pitch diameter sheave. 2,973,656, 3–7–61, Cl. 74—230.17.

Kurt, Ewald H., and R. L. Thompson, to Ingersoll-Rand Co. Rock drill. 3,011,570, 12–5–61, Cl. 175—138.

Kurt, Franklin T. Magnetic fastener. 3,008,209, 11–14–61, Cl. 24—203.

Kurtak, Joseph A., to Sutton Engineering Co. Stretch measuring and limiting device for stretching machines. 2,999,528, 9–12–61, Cl. 153—35.

Kurth, Franz J., and L. R. Phillips, to Anemostat Corp. of America. Valve structures. 2,976,884, 3–28–61, Cl. 137—606.

Kurth Malting Co.: *See*—
Kneen, Eric, and Smith. 3,014,847.

Kurti, Alexander, to United Aircraft Corp. Balanced exhaust nozzle. 2,974,480, 3–14–61, Cl. 60—35.6.

Kurtis, Donald L.: *See*—
Sheridan, William R., Young, and Kurtis. 2,991,200.

Kurtovich, David D., to Boeing Airplane Co. Insulated tank construction. 2,995,268, 8–8–61, Cl. 220—15.

Kurtovich, Joseph. Motor assembly for a drill press. 2,975,647, 3–21–61, Cl. 74—242.16.

Kurtyka, Joseph F., and A. Haritonoff, to Futorian-Stratford Furniture Co. Reclining type lounging chair having a retractable disappearing headrest. 2,996,332, 8–15–61, Cl. 297—61.

Kurtz, Carlo: *See*—
Richter, Harald, and Kurtz. 2,972,955.

Kurtz, Frank. Universal fishing spike. 2,999,660, 9–12–61, Cl. 248—48.

Kurtz, George W., to Miles Laboratories, Inc. Scavenger packet. 2,971,851, 2–14–61, Cl. 99—171.

Kurtz, Jacob. Method of making compact high density radiation screening material containing tungsten. 2,986,465, 5–30–61, Cl. 75—212.

Kurtz, Jacob. Compact high density radiation screening material containing tungsten. 2,986,533, 5–30–61, Cl. 252—478.

Kurtz, Louis A., to Hughes Aircraft Co. Simultaneous lobing array antenna system. 2,981,948, 4–25–61, Cl. 343—771.

Kurtz, Peter: *See*—
Disselnkötter, Hans, and Kurtz. 2,991,316.
Gold, Heinrich, and Kurtz. 2,975,188.

Kurtz, Robert G., to Philco Corp. Gas cleaning unit. 2,973,054, 2–28–61, Cl. 183—7.

Kurtzon, Albert J. Lighting fixture. 3,012,135, 12–5–61, Cl. 240—78.

Kurvers, Robert J., to Lockheed Aircraft Corp. Aircraft maintenance platform. 2,972,392, 2–21–61, Cl. 182—148.

Kurz, Eduard: *See*—
Enk, Eduard, Reinecke, and Kurz. 2,981,722.

Kurz, Erwin, to Schwaben-Nudel-Werke, B. Birkel Sohne. Method for the finishing treatment of dough products. 2,989,809, 6–27–61, Cl. 4—34.28.

Kurz, Fred: *See*—
Becker, Dale F., and Kurz. 2,997,653.

Kurz, Philip F., to Haloid Xerox Inc. Method of etching and dampening planographic printing plates and fountain solution therefor. 2,988,988, 6–20–61, Cl. 101—149.2.

Kurz, Philip F., to Xerox Corp. Preparing planographic plates and solution therefor. 3,001,872, 9–26–61, Cl. 96—1.

Kurz, Richard: *See*—
Schwab, Max, Palloch, and Kurz. 2,970,557.

Kurzman, Harold P., to Lily of France, Inc. Girdle. 2,972,992, 2–28–61, Cl. 128—547.

Kurzrok, Richard M., to Radio Corp. of America. Parometric amplifier device. 2,970,275, 1–31–61, Cl. 330—5.

Kus, Friedrich W. Combined paint containers and dispensers. 3,011,682, 12–5–61, Cl. 222—105.

Kusaka, Hiroyuki: *See*—
Arita, Hideo, and Kusaka. 3,014,782.

Kusakabe, Hisao. Tube container. 2,978,722, 4–11–61, Cl. 15—137.

Kuschk, Reinhard: *See*—
Eckelmann, Alfred, and Kuschk. 2,988,534.

Kusek, Edwin F., to Mystik Adhesive Products, Inc. Tape dispenser. 2,975,950, 3–21–61, Cl. 225—26.

Kusel, Edward J., and R. S. Mankin. Adaptor fitting for wrought iron railing. 3,005,623, 10–24–61, Cl. 256—67.

Kusel, Ernst: *See*—
Hornstein, Victor, Lohrmann, Schneider, and Kusel. 2,977,058.

Kushmuk, Walter P., to Ammco Tools, Inc. Honing devices. 3,005,294, 10–24–61, Cl. 51—184.2.

Kushner, Bernard. Letterheads and the like. 2,967,657, 1–10–61, Cl. 229—92.3.

Kushner, Samuel: *See*—
Kende, Andrew S., and Kushner. 2,987,545.

Kusko, Alexander, to Basic Products Corp. Electrical system for compensating for line voltage variations. 3,013,202, 12–12–61, Cl. 323—2.

Kuslich, John S., and F. Tako, 10% to Gadget-of-The-Month Club, Inc. Can crusher. 3,011,429, 12–5–61, Cl. 100—98.

Kusner, Louis. Sewage pumping system with electric motor operated discharge valve. 3,012,510, 12–12–61, Cl. 103—40.

Kusnick, Arthur A.: *See*—
Femmer, Max E., Sochor, Kusnick, Nielsen, and Vinson. 2,974,306.

Küssner, Willi, and H.-W. Voigtlander, to E. Merck Aktiengesellschaft. Novel esters of α-tocopherol and the acid addition salts thereof. 2,988,553, 6–13–61, Cl. 260—345.5.

Kussy, Werner F., to Square D Co. Adjustable connector. 2,992,291, 7–11–61, Cl. 174—88.

Kuster, A., & Co. Werkzeugmaschinen: *See*—
Hentke, Kurt. 2,973,576.

Kuster, Werner: *See*—
Schetty, Guido, Beffa, and Kuster. 2,991,280.

Kuster, William, to Cal-Tan Research Products Corp. Method of supplement from tannery fleshings, hide trim and other animal by-products and the resulting product. 3,000,742, 9–19–61, Cl. 99—7.

Kusters, Norbert L., D. W. R. McKinley, and A. R. Morse, to National Research Council. Ground detectors for electrical distribution systems. 2,999,231, 9–5–61, Cl. 340—255.

Kuster-Sange, Karl, to Firma Schering A.G. 10-acetyloxy derivatives of Δ1,4-estradiene-10-xi-17 beta diol-3-one derivatives. 3,009,913, 9–13–61, Cl. 260—397.4.

Kustom-Fit Mfg. Co.: *See*—
Belk, Earl H. 2,970,860.

Kustusch, Paul. Depth gauge. 2,987,824, 6-13-61, Cl. 33—170.
Kutchera, Richard E., to Titanium Metals Corp. of America. Welding titanium. 2,985,747, 5-23-61, Cl. 219—137.
Kutil, Clyde R. Hose guide. 2,991,025, 7-4-61, Cl. 242—157.
Kuts, Mathew, and C. Mullender, to The B. F. Goodrich Co. Lacerating tire treads for traction. 2,968,344, 1-17-61, Cl. 157—13.
Kutsay, Ali U.: *See*—
Yorgiadis, Alexander J. 2,974,536.
Yorgiadis, Alexander, and Kutsay. 2,986,031.
Kutzler, Robert J., to Minneapolis-Honeywell Regulator Co. Aircraft surface control. 2,988,306, 6-13-61, Cl. 244—78.
Kuypers, Harold A., A. S. MacLennan, and F. R. Dinger, to Ford Motor Co. Pump flow control means. 2,975,801, 3-21-61, Cl. 137—576.
Kuypers, Norbert T.: *See*—
Liddell, Robert E., Kuypers, and Yonkers. 2,975,449.
Kuzell, Charles R., M. G. Fowler, L. Klein, and J. H. Davis, Jr., to Phelps Dodge Corp. Gaseous reduction of oxygen-containing copper. 2,989,397, 6-20-61, Cl. 75—76.
Kuzma, George R.: *See*—
Wickman, Robert J., and Kuzma. 2,976,642.
Kuzmich, Eli D. Pleasure chest. 3,001,638, 9-26-61, Cl. 206—38.
Kuzmick, Jerome F., and J. M. Krol, to Welded Carbide Tool Co., Inc. Composite metal article and method of producing. 2,999,309, 9-12-61, Cl. 29—194.
Kuzmitz, Frank V., J. M. Eastman, and R. G. Rose, to The Bendix Corp. Fuel feed and power control device for gas turbine engines. 2,971,574, 2-14-61, Cl. 158—36.4.
Kvassay, Emanuel, and J. B. Andrews, to W. D. Sellers. Container. 2,979,191, 4-11-61, Cl. 206—45.33.
Kvavle, Robert C., to Omark Industries, Inc. Explosively actuated tool. 3,005,202, 10-24-61, Cl. 1—106.
Kvavle, Robert C., to Omark Industries, Inc. Explosively actuated tool. 3,009,157, 11-21-61, Cl. 1—106.
Kvet, Otto, to General Electric Co. Lamp base solder trimming apparatus. 3,000,272, 9-19-61, Cl. 90—14.
Kviesitis, Boris, to Vy Lactos Laboratories, Inc. Animal feed supplement and method of making same. 2,967,106, 1-3-61, Cl. 99—6.
Kviesitis, Boris, and W. E. Rogerson, to Vy Lactos Laboratories, Inc. Method of and means for dehydrating flowable matter. 2,991,179, 7-4-61, Cl. 99—6.
Kwart, Harold, and C. Yang, to J. Greenspan. Automatic recording spectrophotometer. 2,984,146, 5-16-61, Cl. 88—14.
Kwast, Victor B., to Daystrom Inc. Frequency sensitive circuit. 3,010,066, 11-21-61, Cl. 324—70.
Kwiatek, Jack: *See*—
Cophenhaver, John W., Kwiatek, and Davis. 3,004,048.
Kwiatek, Stanislaw. Turbine with funnel drive vanes. 2,979,305, 4-11-61, Cl. 253—48.
Kwisnek, Charles. Harness for live minnows. 2,984,929. 5-23-61, Cl. 43—446.
Kwolek, Stephanie L.: *See*—
Hill, Harold W., Jr., Kwolek, and Morgan. 3,006,899.
Kyle, Adlai P. Blast actuated nozzle. 3,001,586, 9-26-61, Cl. 169—2.
Kyle, Leslie B., to Hydroponics, Inc. Seed bed operation in hydroponic systems. 2,971,290, 2-14-61, Cl. 47—1.2.
Kyle, William K., to Westinghouse Electric Corp. Air heating systems. 2,981,479, 4-25-61, Cl. 236—68.
Kyllonen, David M., to Callery Chemical Co. Cyclic process for production of sodium borohydride. 2,969,274, 1-24-61, Cl. 23—14.
Kyowa Hakko Kogyo Co., Ltd.: *See*—
Kinoshita, Shukuo, Tanaka, and Akita. 3,002,889.
Kinoshita, Shukuo, Tanaka, Akita, Maruta, and Yamamoto. 3,003,922.
Kinoshita, Shukuo, Tanaka, and Kato. 3,003,921.
Kinoshita, Shukuo, Tanaka, Nagano, and Kishi. 3,003,923.
Kinoshita, Shukuo, Udaka, and Akita. 3,003,925.
Kitahara, Kakuo. 2,972,566.
Kyowa Hakko Kogyo Kabushiki Kaisha: *See*—
Kinoshita, Shukuo, Nakayama, and Kitada. 2,979,439.
Kinoshita, Shukuo, Nakayama, Udaka, and Kitada. 2,988,489.
Kinoshita, Shukuo, Tanaka, and Akita. 2,973,303.
Kinoshita, Shukuo, Terada, and Oishi. 2,993,838.
Kyper, James G. Fishing lure. 3,002,311, 10-3-61, Cl. 43—42.04.
Kyryluk, Tadie: *See*—
Keryluk, Horace T., and Kyryluk. 2,970,773.
Kyselák, Eduard, and Z. Kocourek, to SVII, narodni podnik. Device for the transport of shoes. 2,978,094, 4-4-61, Cl. 198—84.
Kysor Heater Co.: *See*—
Ferris, David R. 2,977,774.
Ferris, David R. 3,006,552.
Kytta, Oswald O., to The Bendix Corp. Sheet metal locking means. 3,014,745, 12-26-61, Cl. 292—252.
L.A.B. Corp.: *See*—
Hill, Gilbert F. 2,970,570.
L & B Welding Equipment, Inc.: *See*—
Wright, Allen C. 3,014,519.
LCN Closers, Inc.: *See*—
Flint, Russell C. 3,001,664.
L.E.E., Inc.: *See*—
Kramer, Amihud, Nielsen, and Bryan. 2,972,884.
LESA Costruzioni Elettromeccaniche S.p.A.: *See*—
Meoni, Nello. 2,972,484.
LKB-Produkter Fabriksaktiebolag: *See*—
Hagdahl, Erik L. 2,988,222.
Svensson, Svante H. 2,982,168.
L & L Mfg. Co.: *See*—
Lyon, Gilbert T. 2,991,085.
Lyon, Gilbert T. 3,003,795.
L & L Mfg., Inc.: *See*—
Wehrmann, Nicholas. 3,007,223.
L, M and L Corp.: *See*—
Lemieux, Joseph F., Jr. 2,972,853.
L & M Space Research and Electronics Corp.: *See*—
Lovret, Frederick I. 2,977,468.
L-O-F Glass Fibers Co.: *See*—
Walbolt, Gerald A. 2,972,370.
La Fonte Electrique S.A.: *See*—
Pahud, René. 2,976,117.
Pahud, René. 2,976,118.
La Societe dite Le Magnesium Thermique ("Magnetherm"). *See*—
Artru, Jean, and Marchal. 2,971,833.
La Spirotechnique: *See*—
De Wouters D'Oplinter, Jean G. M. J. 3,001,462.
Gruget, André. 2,989,062.
La Telemecanique Electrique (Societe Anonyme): *See*—
Sonchet, André A. H. 2,995,638.
Laabs, Glenzer C. Press for heat-sealing cheese and the like. 2,995,879, 8-15-61, Cl. 53—124.
Laabs, William G.: *See*—
Geller, Thomas L., Laabs, and Kircher. 2,969,452.
Laakmann, Peter, to American District Telegraph Co. Liquid level supervisory device. 2,999,230, 9-5-61, Cl. 340—244.
Laakso, Thomas M., J. L. R. Williams, and C. S. Garber, to Eastman Kodak Co. Quaternary salts of C-vinylpyridine polymers with compounds containing a haloacetyl group. 2,972,535, 2-21-61, Cl. 96—87.
Laakso, Thomas M., and J. L. R. Williams, to Eastman Kodak Co. Anti-static quaternary salts of C-vinylpyridine polymers with haloacetone cyanohydrins. 2,972,536, 2-21-61, Cl. 96—87.
Laakso, Thomas M., and J. L. R. Williams, to Eastman Kodak Co. Condensation products of polyvinylketones with hydrazides containing quaternary nitrogen groups. 2,972,537, 2-21-61, Cl. 96—87.
Laakso, Thomas M., and J. L. R. Williams, to Eastman Kodak Co. Condensation products of C-vinylpyridinium haloketone polymers with hydrazides containing quaternary nitrogen groups. 2,972,538, 2-21-61, Cl. 96—87.
Laas, Kurt, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for telephone systems comprising markers for controlling the setting of switches. 3,009,021, 11-14-61, Cl. 179—18.
Laban, William H., to Accles & Pollock Ltd. Means for producing integral finned tubing. 2,983,168, 5-9-61, Cl. 80—13.
Laban, William H., to Accles & Pollock Ltd. Means for forming integral finned tubing. 2,983,169, 5-9-61, Cl. 80—13.
Laban, William H., to Accles & Pollock Ltd. Finned tube rolling. 2,983,171, 5-9-61, Cl. 80—58.
La Barre, George D., Jr., to E. I. du Pont de Nemours and Co. Coating compositions. 3,014,881, 12-26-61, Cl. 260—18.
La Bash, Edward J. Tape folders. 2,997,296, 8-22-61, Cl. 270—86.
La Bate, Ernest E.: *See*—
Atalla, Martin M., and La Bate. 2,973,466.
Labbé, Francis A. M., to Molins Machine Co. Ltd. Apparatus for forming a continuous tobacco filler. 2,972,993, 2-28-61, Cl. 131—84.
Labbé, Francis A. M., to Societe Anonyme dite: Usines Decoufle. Tobacco distributor for continuous-rod cigarette making machines. 2,989,055, 6-20-61, Cl. 131—21.
Labels Inc.: *See*—
Shepherd, Charles J. 3,001,686.
La Berge, Robert W., to E. I. du Pont de Nemours and Co. Primer paint composition and wood coated therewith. 3,008,847, 11-14-61, Cl. 117—72.
Labeyrie, Jacques, and A. Roguin, to Commissariat a l'Energie Atomique. Gas cooled nuclear reactors. 2,987,459, 6-6-61, Cl. 204—193.2.
Labin, Emile, to International Telephone and Telegraph Corp. Method and apparatus for accurate comparison of frequencies. 3,002,089, 9-26-61, Cl. 250—20.
Labino, Dominick, to Johns-Manville Fiber Glass Inc. Process and machine for producing fibrous mats. 3,006,797, 10-31-61, Cl. 156—28.
Labino, Dominick, to Johns-Manville Fiber Glass Inc. Method of wet felting and leaching mineral fibers and resultant felted product. 3,012,930, 12-12-61, Cl. 162—156.
Labline, Inc.: *See*—
Magnuson, Donald V., and McDonald. 2,986,280.
Magnuson, Donald V., and McDonald. 2,992,979.
La Boda, Mitchell A.: *See*—
Bendler, Harry M., Bleil, Hertzog, La Boda, and Ben. 2,968,555.
La Bombard, Emerson H., and O. A. Swanson. Self broaching fastener. 2,972,274, 2-21-61, Cl. 85—1.
La Bonia, Vincent, and J. W. Platt, to The Platt & La Bonia Co. Shelf and mounting means therefor. 2,978,111, 4-4-61, Cl. 211—90.
Laboon, John F. Method of sewage treatment. 2,975,122, 3-14-61, Cl. 210—12.

Laboratoire de Recherche et de Controle du Caoutchouc: *See*—
Ortlieb, Claude, and Sinn. 3,007,792.

Laboratoire Sapos: *See*—
Gold-Aubert, Philippe. 2,996,506.

Laboratorio Guidotti & C.: *See*—
Di Paco, Gianfranco, and Sonnino Tauro. 2,989,531.

Laboratorni pristroje, narodni podnik: *See*—
Petzelt, Bedrich. 2,998,562.

Laboratory for Electronics, Inc.: *See*—
Barker, John L. 2,989,728.
Evans, Robert R. 2,991,456.
Fuller, Harrison W., and Evans. 2,976,517.
Fuller, Harrison W., and Kelner. 2,972,735.
Fuller, Harrison W., Rubinstein, and Woodsum. 2,984,825.
Kelner, Robert C., Woodsum, and Hale. 2,984,538.
Ledin, Carl W., Gorman, and Engman. 3,005,675.
Meyer, Maurice A. 2,974,286.
Meyer, Maurice A. 2,982,956
Meyer, Maurice A. 3,005,980.
Ostroff, Edward D. 3,004,249.
Sharaf, Harold M. 2,995,668.
Wood, James W. 2,995,666.

Laboratory Equipment Corp.: *See*—
Schultz, Oswald C. 2,983,350.
Wagner, Harold G. 2,990,601.
Wagner, Harold C. 2,997,413.

Laborit, Henri, G. Guiot, R. Moynier, C. Baron, and A. Trzebski. Potassium aspartate and magnesium aspartate fatigue-recovery promoting process, and compositions. 3,009,859, 11–21–61, Cl. 167—65.

Labott, John, Ltd.: *See*—
Geiger, Kenneth H., and Compton. 2,967,107.

Labout, Johan W. A., to Shell Oil Co. Microelastometer. 3,014,363, 12–26–61, Cl. 73—59.

La Branche, Harvey W., J. C. Preble, and B. K. Boundy, to Ekco Products Co. Sliding drawer assembly. 3,003,841, 10–10–61, Cl. 312—348.

Labrie, Charles. Guide for the engagement of stud carrying collars on a grooved shaft. 2,980,357, 4–18–61, Cl. 242—68.1.

La Brie, Eugene A., Jr. Axle lock. 3,002,370, 10–3–61, Cl. 70—183.

Lace, Donald A. Electro-magnet reflecting device and motor therefor. 2,982,179, 5–2–61, Cl. 88—92.

Lace Originals, Inc.: *See*—
Elsas, Gerald W., and Riehl. 3,011,325.

Lacey, George T. Decorating appliance. 2,968,262, 1–17–61, Cl. 107—52.

Lacey, Michael F., to The Anaconda American Brass Co. Expanding and contracting blockers. 2,991,954, 7–11–61, Cl. 242—72.

Lacey, Thomas H., 75% to J. T. Zrakas. Bolted box corner construction. 2,993,637, 7–25–61, Cl. 229—49.

Lach, John, and C. D. Frankenberger, to Uarco, Inc. Attachment for bursting machine. 3,010,630, 11–28–61, Cl. 225—100.

Lach, Vladimir, V. Potucek, and J. Slaba. Method of producing shaped bodies of ceramic material protective against ionising radiation. 3,007,882, 11–7–61, Cl. 252—478.

Lachaize, Paul, to Mecimap. Photographic camera. 2,967,469, 1–10–61, Cl. 95—11

La Chapelle, Theodore J., Jr., to Pacific Semiconductors, Inc. Flanged lapping jig. 2,983,086, 5–9–61, Cl. 51—237.

Lachat, Paul J. Fishing line storage spool assembly. 3,011,735, 12–5–61, Cl. 242—118.4.

Lachman, Leon, and L. Malspeis, to Ciba Pharmaceutical Products, Inc. Pharmaceutical compositions of ethyl α-phenyl-α-piperidyl-(2)-acetate. 2,986,494, 5–30–61, Cl. 167—55.

Lachowicz, Stefan K., to The Distillers Co. Ltd. Polymerisation process. 2,980,663, 4–18–61, Cl. 260—93.7.

Lackey, Daryl L., and D. A. Roper, to Monsanto Chemical Co. Process of solidifying a concentrated solution of aluminum sulfate containing solid aluminum sulfate. 3,011,878, 12–5–61, Cl. 23—293.

Lackey, Robert S., and J. D. Meess, to Westinghouse Electric Corp. Thermoelectric heat pump. 2,973,627, 3–7–61, Cl. 62—3.

Lackey, Robert S., W. L. Wright, and J. D. Mees, to Westinghouse Electric Corp. Plural-stage thermoelectric heat pump. 2,978,875, 4–11–61, Cl. 62—3.

Lackey, Robert S., and J. D. Meess, to Westinghouse Electric Corp. Thermoelectric cooling device. 2,994,203, 8–1–61, Cl. 62—3.

Lacko, Anthony V.: *See*—
Rhodes, Joseph C., Segers, and Lacko. 2,974,519.

Laco Oil Burner Co., Inc.: *See*—
Cocklin, Clinton T. 3,009,530.

Lacoe, Ralph D., Jr. Magazine slide projector with snap action feeding, slide review and restacking means. 2,986,070, 5–30–61, Cl. 88—28.

Lacombe, John J.: *See*—
Hersh, Sidney, and Lacombe. 2,977,851.

Lacon, Gilbert W.: *See*—
Haseler, Arthur C., and Lacon. 3,002,594.

Laconia Malleable Iron Co. Inc.: *See*—
Clevett, Merton L., Jr. 2,986,242.
Clevett, Merton L., Jr. 3,008,557.

La Costa, Nicholas J.: *See*—
Barr, Irwin R., Bond, Gore, and La Costa. 3,004,475.

La Coste, Lucien J. B., to La Coste & Romberg. Force measuring apparatus. 2,977,799, 4–4–61, Cl. 73—382.

Lacoste, Roger G.: *See*—
Wisner, Jackson W., Lacoste, and Kluge. 2,987,512.

La Coste & Romberg: *See*—
La Coste, Lucien J. B. 2,977,799.

La Cour, Edgar J., to Orchard Paper Co. Method and apparatus for mounting printing plates. 2,984,910, 5–23–61, Cl. 33—184.5.

Lacroix, Seraphin, to Pechiney, Compagnie de Produits Chimiques et Elektrometallurgiques. Process for treating powdered materials with gases and resultant products. 2,996,354, 8–15–61, Cl. 23—88.

Lacroix, Serge, to Societe D'Electronique et d'Automatisme. Apparatus for the production of electrically conductive film layers of controlled resistivity. 3,008,447, 11–14–61, Cl. 118—58.

Lacy, Carl B., ¼ each to R. N. Beheler, N. V. Nininger, Jr., and C. S. McNultz, Jr. Automatic air brake release. 2,975,872, 3–21–61, Cl. 188—152.

Lacy, Glenn B., and D. B. Holt. Communion cup washing apparatus. 2,970,700, 2–7–61, Cl. 211—74.

Lacy, Stanford E. Non-removable dispensing closure. 2,970,724, 2–7–61, Cl. 222—484.

Ladbrooke, Neville C., to William Cotton, Ltd. Production of garments on straight bar knitting machines. 2,978,888, 4–11–61, Cl. 66—88.

Ladd, Elbert C., and M. P. Harvey, to United States Rubber Co. Organo-phosphorus compounds. 2,971,019, 2–7–61, Cl. 260—461.

Ladd, John W. Cleated plywood box. 2,972,429, 2–21–61, Cl. 217—12.

Ladd, John W. B., to Bard-Parker Co., Inc. Sterile surgical instrument and assembly. 2,998,880, 9–5–61, Cl. 206—63.2.

Ladd, Joseph M., to Holley Carburetor Co. Fluid pressure actuated control mechanism. 2,993,474, 7–25–61, Cl. 121—38.

Lade, Karl H., to J. M. Doess. Latch mechanism. 2,968,506, 1–17–61, Cl. 292—21.

Lademann, Rudolf: *See*—
Gerstenberg, Helmut, Grunewald, Medem, and Lademann. 3,007,819.

Ladenburg, Kurt, and A. Bloomberg, to International Salt Co., Inc. Preparation of purified brine. 2,977,189, 3–28–61, Cl. 23—89.

Ladenburg, Kurt, and R. S. Ploss, to International Salt Co., Inc. Reduction of caking tendency of salt. 3,009,775, 11–21–61, Cl. 23—89.

Ladenburger, Leonard, and W. A. Chilcote, to The Chilcote Co. Picture mount. 2,984,922, 5–23–61, Cl. 40—159.

Ladewig, Roland E., to Whitehouse Reinforced Plastics Co. Hinged-marine drive unit. 2,973,738, 3–7–61, Cl. 105—41.

Ladisch, Rolf K. Method and apparatus for producing fibers. 2,967,327, 1–10–61, Cl. 18—2.5

Ladish Co., Tri-Clover Division: *See*—
Harmes, Oren B. 2,985,746.
Harmes, Oren B. 3,008,037.

Lador, Inc.: *See*—
Faulkner, James E. 3,012,366.

Lady, Edward R., to Air Products Inc. Method and apparatus for pumping liquefied gases. 2,973,629, 3–7–61, Cl. 62—41.

Laete, Edward J.: *See*—
Long, Jasper, and Laete. 2,975,250.

Lafaurie, Michel J., to International Business Machines Corp. Time delay packing counter. 3,001,704, 9–26–61, Cl. 235—98.

La Fave, Francis G., to St. Regis Paper Co. Insert for bag valves. 2,977,038, 3–28–61, Cl. 229—62.5.

La Fave, Ivan V., and I. L. Wissmiller, to Chicago Bridge & Iron Co. Insulated cryogenic storage tank. 2,999,366, 9–12–61, Cl. 62—45.

Lafayette Brass Mfg. Co., Inc.: *See*—
Rosenkranz, Jules. 2,985,380.
Rosenkranz, Jules. 3,006,560.
Rosenkranz, Jules J. 2,991,942.
Rosenkranz, Jules J. 2,991,945.

Laffan, John C., Jr.: *See*—
Brace, Porter H., and Laffan. 2,977,666.

Lafferty, James M., to General Electric Co. Vacuum circuit interrupters. 2,975,255, 3–14–61, Cl. 200—144.

Lafferty, James M., to General Electric Co. Gaseous arc discharge device. 2,978,605, 4–4–61, Cl. 313—247.

Lafferty, Wylie M., to Universal Sewer Pipe Corp. Pipe joint. 2,999,699, 9–12–61, Cl. 285—110.
11–7–61, Cl. 225—93.

La Flame, Frank E., and F. L. Rifner, to General Motors Corp. Fluid compressor. 3,003,837, 10–10–61, Cl. 309—6.

La Fleur, Arthur E. Machines for making plastic bags. 3,003,907, 10–10–61, Cl. 156—537.

La Fleur, George, W. H. Gallagher, and G. Reef: said Reef assor. of ½, each to said La Fleur and said Gallagher. Fastener receiving clip applying machine. 3,007,169, 11–7–61, Cl. 1—2.

La Fleur, Kermit S., and E. J. Greene, to Deering Milliken Research Corp. Non-felting wool and methods for preparing the same. 2,980,557, 4–18–61, Cl. 117—141.

La Fontaine, William E. Closure type screened ventilator. 2,995,079, 8–8–61, Cl. 98—101.

La Forest, John P.: *See*—
Wilcox, Clinton S., and La Forest. 2,979,653.

Laforest, Pierre. Rotative kiln for concrete blocks. 2,969,577, 1–31–61, Cl. 25—133.
La Forge, Ray F., Jr., to Anderson Bros. Mfg. Co. Boxing machine. 3,000,156, 9–19–61, Cl. 53—153.
Laframboise, Guy R., and M. P. Prater, to International Business Machines Corp. Card punching device. 3,007,620,
La Francaise: *See*—
Chaze, Paul, and Nouel. 2,988,778.
La France Carpets, Inc.: *See*—
Harian, Kent. 2,966,742.
Harian, Kent. 2,972,773.
La Frut, Alphonse: *See*—
Fellmann, Isidore. 2,985,922.
Lagally, Herta: *See*—
Weschler, Joseph R., and P. and H. Lagally. 2,967,797.
Lagally, Paul: *See*—
Weschler, Joseph R., and P. and H. Lagally. 2,967,797.
Lagarias, John S., to Koppers Co., Inc. Electrostatic precipitator. 2,976,951, 3–28–61, Cl. 183—7.
Lagerstrom, Richard P., and D. G. Dow, to United States of America, Navy. Resistance-strapped helix for a traveling wave tube. 2,967,259, 1–3–61, Cl. 315—3.6.
Lagerwey, Anton A. F., to Shell Oil Co. Vessel with replaceable pliable lining. 2,970,042, 1–31–61, Cl. 23—290.
Lagler, Karl R.: *See*—
Barothy, Charles F., and Lagler. 2,988,234.
Lagler, Karl R., to Western Electric Co., Inc. Article orienting apparatus. 2,968,387, 1–17–61, Cl. 198—33.
Lagler, Karl R., to Western Electric Co., Inc. Article inspecting apparatus. 2,990,060, 6–27–61, Cl. 209—74.
La Gloria Oil and Gas Co.: *See*—
Petty, Charles O. 2,968,615.
Lagoumintzis, Nicholas: *See*—
Harvey, Salmon C., Lagoumintzis, and Harvey. 3,000,271.
La Grutta, Pascal, to Lapin Products, Inc. Plastic block assembly. 2,972,833, 2–28–61, Cl. 46—25.
Laguerre, Maxime. Closure device. 3,002,240, 10–3–61, Cl. 24—30.5.
Laguilharre, Pierre R. Method for pasteurizing or sterilizing liquid and semi-liquid products. 2,975,069, 3–14–61, Cl. 99—216.
Laguzzi, Mario, to Poirette Corsets, Inc. Foundation garment. 3,004,538, 10–17–61, Cl. 128—546.
Laguzzi, Mario, to Poirette Corsets, Inc. Foundation garment. 3,005,460, 10–24–61, Cl. 128—554.
Laham, George S. Leather necktie. 3,003,153, 10–10–61, Cl. 2—144.
Lahm, James J., and D. W. Gardner, to Westinghouse Electric Corp. Data handling apparatus. 2,997,154, 8–22–61, Cl. 198—19.
Lahti, Abbott W., and J. M. Dunn, to Dunn Engineering Associates, Inc. Dry cleaning devices. 3,013,572, 12–19–61, Cl. 137—93.
Lahti, Arvo A., to Consolidated Electrodynamics Corp. Shaft position digitizer. 2,972,740, 2–21–61, Cl. 340—347.
Lahti, Petter. Rotary pump of the liquid ring type with side channels. 3,002,463, 10–3–61, Cl. 103—96.
Lai, John R.: *See*—
Lane, William B., Baum, Graham, Fuller, Mackin, Lai, Zigman, and Shelberg. 2,974,520.
Laimins, Eric, to Baldwin-Lima-Hamilton Corp. Parallelogram beam type load cell. 3,004,231, 10–10–61, Cl. 338—5.
Lainchbury, David M.: *See*—
Templer, Charles E., and Lainchbury. 2,997,855
Lair, Glen F. Snow and lawn shovel. 3,007,263, 11–7–61, Cl. 37—53.
Lair, Julien J. B., to International Telephone and Telegraph Corp. Automatic echo pulse recapture circuit. 2,979,712, 4–11–61, Cl. 343—7.3.
Lair, Julien J. B., and J. E. Metzger, to International Telephone and Telegraph Corp. Gyroscope systems. 2,986,943, 6–6–61, Cl. 74—5.4.
L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude: *See*—
Grunberg, Jacques F., and Nelson. 2,982,108.
Szarvasi, Etienne. 3,012,025.
Villemey, Lucien. 3,002,817.
Laist, Frederick, to The Anaconda Co. Heat exchange device for corrosive liquors. 3,001,766, 9–26–61, Cl. 257—1.
Laithwaite, Eric R.: *See*—
Williams, Frederic C., and Laithwaite. 2,978,623.
Laithwaite, Eric R., to National Research Development Corp. Induction motors for shuttle propulsion in weaving looms. 2,993,130, 7–18–61, Cl. 310—13.
Lakander, Olof & Co. Aktiebolag: *See*—
Lovstedt, Stig A. 2,997,572.
Lakatos, Emory: *See*—
Goodell, Everett M., and Lakatos. 3,005,194.
Lakatos, Emory, to Thompson Ramo Wooldridge Inc. System for detecting a signal in the presence of noise. 2,970,304, 1–31–61, Cl. 340—248.
Lakatos, Emory, D. D. Pidhayny, and M. F. Gordon, to Thompson Ramo Wooldridge Inc. Collision indication system. 2,991,463, 7–4–61, Cl. 343—5.
Lakatos, György: *See*—
Szigeti, György, and Lakatos. 2,991,386.
Lakatos, Louis L., to United States of America, Navy. Automatic frequency control for FSK telegraph receiver. 2,995,627, 8–8–61, Cl. 178—88.
Lake, Harry F.: *See*—
Schuricht, Henry A., Lake, and Smith. 2,980,121.
Lake, Harry F. Airfoil and boundary-layer control rotor. 2,973,167, 2–28–61, Cl. 244—42.
Lake, William C., to Pan American Petroleum Corp. Grid design for fluidized beds. 2,975,037, 3–14–61, Cl. 23—288.
Lake Erie Chemical Co., The: *See*—
Bullard, Ralph H., Graff, and McIntosh. 2,968,579.
Bullard, Ralph H., Graff, and McIntosh. 2,968,675.
Hoffmann, Otto, and Krynytzky. 2,975,743.
Lake Erie Machinery Corp.: *See*—
Kenline, Frederick J. 2,998,238.
Lake Shore, Inc.: *See*—
Clark, James W. 2,978,123.
Lakeside Laboratories, Inc.: *See*—
Biel, John H. 2,974,146.
Biel, John H. 2,978,461.
Biel, John H. 2,993,900.
Biel, John H. 2,995,492.
Biel, John H. 2,995,554.
Biel, John H. 2,995,560.
Biel, John H. 2,998,444.
Biel, John H. 3,000,903.
Lakins, Franklin D., and G. B. Lanphere, to Lipe-Rollway Corp. Stock pusher. 2,979,804, 4–18–61, Cl. 29—93.
Lakso Co. Inc., The: *See*—
Hendrickson, Ralph. 2,990,047.
Lakso, Eino E. 3,008,564.
Lakso, Eino E. 3,008,580.
Lakso, Eino E., to The Lakso Co. Inc. Fast action shifting device. 3,008,564, 11–14–61, Cl. 198—31.
Lakso, Eino E., to The Lakso Co., Inc. Sorting and inspection table. 3,008,580, 11–14–61, Cl. 209—125.
Lal, Joginder, to The Goodyear Tire & Rubber Co. Polymerization vinyl alkyl ethers. 2,984,656, 5–16–61, Cl. 260—91.1.
Laland, Per J. and S. G. M., and J. Dedichen, ½ each to Nyegaard & Co. A/S, and Merck & Co., Inc. Process for the producing of a substance which causes leucocytosis. 2,985,561, 5–23–61, Cl. 167—74.6.
Laland, Sören G. M.: *See*—
Laland, Per J. and S. G. M., and Dedichen. 2,985,561.
Judd, Claude L., Drukker, and Biel. 2,985,660.
La Lande, William A., Jr., to Pennsalt Chemicals Corp. Preparation of perchloryl fluoride. 2,982,617, 5–2–61, Cl. 23—203.
La Lande, William A., Jr., and J. F. Gall, to Pennsalt Chemicals Corp. Heat transfer. 2,998,388, 8–29–61, Cl. 252—67.
Laliberte, Leopold: *See*—
Netherwood, Paul H., Laliberte, and Shor. 2,997,414.
Lalick, Michael J. Construction of artificial tree. 2,994,252, 8–1–61, Cl. 93—1.
Lallemand, Andre: *See*—
Causse, Jean-Pierre, and Lallemand. 2,977,252.
L'Allemand, Charles C.: *See*—
Atwood, Rawson, and L'Allemand. 2,983,466.
Lalli, John O., to Sperry Rand Corp. Toss-bombing aid for aircraft. 3,003,398, 10–10–61, Cl. 89—1.5.
Lalli, Peter: *See*—
Mally, George G., Lalli, and Gniadowski. 2,998,047.
La Loudure Electrique Autogene, S.A.: *See*—
Siegfried, Walter. 2,970,830.
L'Aluminium Francais: *See*—
Dalmasso, Auguste. 2,984,441.
Lamade, Ralph M., Jr.: *See*—
Di Maggio, Carmelo A., Healy, and Lamade. 2,977,862.
La Maida, Thomas. Graduation cap. 2,995,758, 8–15–61, Cl. 2—175.
Lamar, Charles C., to Harper-Wyman Co. Locking type gas valve. 3,010,693, 11–28–61, Cl. 251—96.
Lamar, Ralph H. Variable color artificial fishing lures. 2,996,826, 8–22–61, Cl. 43—42.32.
La Marca, Frank: *See*—
Vassallo, Onofrio, La Marca, and Schaffer. 3,011,824.
Lamason, Robert H.: *See*—
Bergstedt, Milton A., and Lamason. 2,978,372.
Lamason, Robert H., to Johnson & Johnson. Improving the adhesive bond and delamination resistance of fluorocarbon backed adhesive tape. 2,989,419, 6–20–61, Cl. 117—71.
La Mastra, Alphonso L., to Valcor Engineering Corp. Solenoid and plunger. 3,013,768, 12–19–61, Cl. 251—129.
La Maur, Inc.: *See*—
Spiegel, Maurice L. Re. 25,022.
Lamazou, Jean and P. Single seed sowing machine. 2,991,909, 7–11–61, Cl. 221—211.
Lamazou, Paul: *See*—
Lamazou, Jean and P. 2,991,909.
Lamb, Carroll L. Traction devices for automotive vehicles. 2,986,190, 5–30–61, Cl. 152—216.
Lamb, Charles A.: *See*—
Voigtman, Edward H., Donnelly, and Lamb. 2,996,424.
Lamb, Douglas J.: *See*—
Bromley, James E., and Lamb. 2,979,882.
Lamb, Ellard. Guide for portable saw. 3,011,530, 12–5–61, Cl. 143—47.
Lamb, F. Jos., Co.: *See*—
Angello, Richard W., and Dabich. 2,978,120.
Dabich, Michael. 3,005,536.
Kay, John G., and Waitkins. 2,989,162.
Lamb, Frank: *See*—
Cagle, Toby T. 2,997,138.
Lamb, George E., to Lamb-Grays Harbor Co., Inc. Roll over machine. 2,984,364, 5–16–61, Cl. 214—1.

Lamb, Gordon A.: *See*—
Ross, Irene F., and Lamb. 3,003,494.

Lamb-Grays Harbor Co., Inc.: *See*—
Kelly, John E. 2,990,939.
Lamb, George E. 2,984,364.

Lamb, Harold W., to Crossley Machine Co., Inc. Machine for stacking tile and the like. 3,013,671, 12–19–61, Cl. 214—6.

Lamb Industries, Inc.: *See*—
Thomson, Byron C. 3,002,830.

Lamb, John, deceased; A. Briggs and W. E. Holden, executors, to John Lamb Publications and Inventions Ltd. Pressure relief valve. 2,976,881, 3–28–61, Cl. 137—488.

Lamb, John M., to Cooperative Industries, Inc. Wave guides for propagation of high frequency wave energy. 2,991,434, 7–4–61, Cl. 333—95.

Lamb, John, Publications and Inventions Ltd.: *See*—
Lamb, John. 2,976,881.

Lamb, Lee F., and L. C. Freeman, Jr. Portable combination tool. 3,012,441, 12–12–61, Cl. 74—16.

Lamb, Leslie L., and C. A. Lavery, to National Tank Co. Process and apparatus for recovering hydrocarbons from gas streams. 3,012,630, 12–12–61, Cl. 183—4.7.

Lamb, Miles A., to Food Machinery and Chemical Corp. Diffuser tube. 2,978,234, 4–4–61, Cl. 261—122.

Lamb, Sidney A., H. O. Smith, and G. Norcross, to Imperial Chemical Industries Ltd. Separation of alcohols. 2,991,232, 7–4–61, Cl. 202—42.

Lamberson, Nathaniel D., to Ideal Mfg. Co. Trailer hitch. 3,009,714, 11–21–61, Cl. 280—512.

Lambert, Arthur: *See*—
Batty, John W., Lambert, Scott, Bebbington, and Seed. 2,971,952.

Lambert, Arthur J.: *See*—
Freeman, Lawson J., Jr. 2,966,708.

Lambert Brake Corp.: *See*—
Graber, Walter. 2,971,612.
Graber, Walter. 3,010,542.
Parrett, Dent. 2,968,369.
Pear, Arthur W., Jr. 3,010,543.

Lambert, Chandley W. Burst control for automatic rifles. 2,976,771, 3–28–61, Cl. 89—129.

Lambert, Charles M., to Hercules Powder Co. Gel-free rosin soap and method of preparing same. 2,980,629, 4–18–61, Cl. 252—369.

Lambert, Charles M., to Hercules Powder Co. Emulsifier for aqueous emulsion polymerization processes. 3,012,975, 12–12–61, Cl. 252—352.

Lambert Engineering Co., Inc.: *See*—
Lambert, John W. 2,972,254.

Lambert, Glenn F.: *See*—
Schmidt, John L., Perdue, Lambert, and Miller. 2,997,393.

Lambert, Harry E., to Packaging Corp. of America. Molded pulp carton. 2,978,162, 4–4–61, Cl. 229—2.5.

Lambert, Harry L.: *See*—
Page, Paul F., Lambert, and Snyder. 2,979,277.

Lambert, Harry L., to Royal McBee Corp. Carriage positioning mechanism for typewriters or like machines. 2,984,328, 5–16–61, Cl. 197—66.

Lambert, Harry L., to Royal McBee Corp. Escapement mechanism for business machines. 2,986,258, 5–30–61, Cl. 197—88.

Lambert, Harry L., P. F. Page, and A. G. Snyder, to Royal McBee Corp. Decoding arrangement. 3,011,618, 12–5–61, Cl. 197—20.

Lambert, John W., to Lambert Engineering Co., Inc. Well flow periodic sampling mechanism. 2,972,254, 2–21–61, Cl. 73—422.

Lambert, Louis J. R., W. Sedlacek, and G. M. Messin, to BOT Brassert Oxygen Technik AG. Refining of crude iron. 3,004,847, 10–17–61, Cl. 75—52.

Lambert, Merlan M.: *See*—
Bauch, Werner A., Lambert, and Hillard. 2,973,346.
De Vries, Arthur D., and Lambert. 3,014,973.

Lambert, Merlan M., and F. P. Baldwin, to Esso Research and Engineering Co. Method for adding stabilizer to halogenated polymer. 2,985,618, 5–23–61, Cl. 260—45.8.

Lambert, Michel: *See*—
Broman, Arthur, Lambert, Gilard, and Van Herck. 2,972,210.

Lambert, Renben B. Electric lamp socket with ring switch sleeve. 2,985,729, 5–23–61, Cl. 200—51.14.

Lambert, Robert L.: *See*—
Blickwedel, Theodore W., and Lambert. 2,985,548.

Lambert, Robert L., and W. R. McKelrnan, to Sylvania Electric Products Inc. Process and apparatus for obtaining smooth surfaces on films. 2,974,364, 3–14–61, Cl. 18—15.

Lambert, Roger E., and M. Dubesset, to Compagnie de Saint-Gobain. Apparatus for bending articles of glass or other thermoplastic materials. 2,969,613, 1–31–61, Cl. 49—7.

Lambert, Roger E., and P. Arbelt, to Compagnie de Saint-Gobain. Methods of and tank furnaces for making glass. 2,990,438, 6–27–61, Cl. 13—6.

Lambert, Rogers F., and J. D. Johnston, to Ethyl Corp. Manganese compounds. 3,013,039, 12–12–61, Cl. 260—429.

Lambert, Rudolph J., to White-Rodgers Co. Solenoid actuator and control means therefor. 2,999,192, 9–5–61, Cl. 317—191.

Lamberti, Martin J. Safety signalling devices for vehicle lifts. 2,979,694, 4–11–61, Cl. 340—61.

Lamberti, Vincent, to Lever Brothers Co. Preparation of halogenated anilides of salicylic acid. 2,967,885, 1–10–61, Cl. 260—559.

Lambie, James M., to Findlay Refractories Co. Method of making siliceous refractories. 2,990,289, 6–27–61, Cl. 106—68.

Lambiotte, Oscar J. Recreational device. 2,988,360, 6–13–61, Cl. 273—105.

Lambrech, Joseph A., to Union Carbide Corp. Method and composition of destroying insects employing 1-naphthyl n-methyl carbonate. 3,009,855, 11–21–61, Cl. 167—32.

Lambson, Charles S. Endless chain sawmill nigger. 2,988,117, 6–13–61, Cl. 143—102.

Lambton, Charles W. Device for delivering liquid mixtures. 3,003,703, 10–10–61, Cl. 239—309.

La Mear, Edgar: *See*—
Valleroy, Edgar M. 3,008,593.

Lamellen-und Kupplungsbau August Haussermann: *See*—
Haussermann, Kurt. 2,983,503.

Lamesch, Armand, J. Jansen, and B. Knospe, to Compagnie de Saint-Gobain. Grinding machines simultaneously working both surfaces of a continuous ribbon of glass. 2,989,826, 6–27–61, Cl. 51—209.

Laminated Shim Co., Inc.: *See*—
Bagdon, Richard J., and Warren. 2,980,572.

Laminators Inc.: *See*—
Hannon, Donald F. Re. 25,005.
Hannon, Donald F. 2,984,030.

Lamkin, John C., to Standard Oil Co. Fluid sampling and injection valve. 2,972,888, 2–28–61, Cl. 73—422.

Lamlein, Walter E.: *See*—
Beckner, Donald O., and Lamlein. 3,004,902.

Lamm, Uno, to Allmanna Svenska Elektriska Aktiebolaget. Gas filled rectifier. 2,976,440, 3–21–61, Cl. 313—19.

Lamm, William R. Cigarette and wrapper therefor. 2,998-012, 8–29–61, Cl. 131—15.

Lammers, Delmar R. Protective tray for cartons. 2,967,002, 1–3–61, Cl. 220—85.

Lamond, Robert A. Arrow brake and indicator devices. 2,989,310, 6–20–61, Cl. 273—106.5.

La Mont, Bernard D., to Westinghouse Electric Corp. Preparation of ultrafine refractory oxide. 3,002,808, 10–3–61, Cl. 23—14.5.

Lamont, Ebenezer N., ½ to L. M. Flaskerud. Segmental ash tray. 2,974,821, 3–14–61, Cl. 220—23.4.

Lamont, John, and A. J. Stern, to Western Electric Co., Inc. Relay test fixture. 2,981,919, 4–25–61, Cl. 339—75.

La Mont Steam Generators, Inc.: *See*—
Stabenow, Georg. 2,994,308.

Lamontagne, Renald L., and R. C. Greene, to Wildman Jacquard Co. Knitted cuff for garments and method. 2,985,001, 5–23–61, Cl. 66—172.

La Monte, Carmen R. Traveling sign. 3,006,094, 10–31–61, Cl. 40—106.31.

La Motta, Frank C.: *See*—
Van Nostrand, Walter L., Jr., and La Motta. 3,004,937.

La Motte, Golladay. Tobacco stripper and classifier. 2,989,056, 6–20–61, Cl. 131—131.

Lamouria, Lloyd H., to The Regents of the University of California. Automatic retracting mechanism for agricultural machinery. 3,005,500, 10–24–61, Cl. 172—6.

Lamovreux, Jean A.: *See*—
Hiskey, Clarence F., and Lamovreux. 2,982,535.

Lamp, James K., Jr., and C. R. Van Der Aue, to Whirlpool Corp. Gas valve. 3,014,489, 12–26–61, Cl. 137—1.

Lamp Presscops Ltd.: *See*—
Bailey, Edward E. 2,990,935.

Lampard, Edward H. A., to British Celanese Ltd. Thermoplastic material. 2,988,133, 6–13–61, Cl. 154—28.

Lampatzer, Karl: *See*—
Keller, Heinz, Brodt, and Lampatzer. 2,979,430.

Lampe, Robert C.: *See*—
Beede, Arnold H., Cawl, and Lampe. 2,975,391.

Lampert, Harold. Gate valve. 2,970,801, 2–7–61, Cl. 251—145.

Lamphere, David E.: *See*—
Kammerer, Archer W., Jr., and Lamphere. 2,976,927.

Lamphier, Charles R. Gate fastener. 2,973,595, 3–7–61, Cl. 39—74.

Lamprey, Headlee: *See*—
Koehler, James O., and Lamprey. 2,978,347.
Koehler, James O., and Lamprey. 2,980,633.
Koehler, James O., and Lamprey. 2,985,604.
Koehler, James O., and Lamprey. 2,985,607.
Koehler, James O., and Lamprey. 2,988,412.

Lampuzzi, Alfeo: *See*—
Speggiorin, Giuseppe, and Lampuzzi. 3,000,160.

Lamson Corp.: *See*—
Crosby, Peter F. 2,980,222.

Lamson, Edward R., and M. J. Devine. Lubricated anti-friction bearings. 2,969,263, 1–24–61, Cl. 308—187.

Lamson, Edward R., and M. J. Devine. Lubricated anti-friction bearings. 2,969,264, 1–24–61, Cl. 308—187.

Lamson, Edward R., and M. J. Devine. Method of lubricating anti-friction bearings. 2,978,793, 4–11–61, Cl. 29—148.4.

Lamson, Edward R., and M. J. Devine. Method of lubricating anti-friction bearings with bonded lubricant films. 2,978,794, 4–11–61, Cl. 29—148.4.

Lamson, Edward R., and M. J. Devine. Method of lubricating anti-friction bearings with bonded film lubricants. 2,978,795, 4–11–61, Cl. 29—148.4.

Lamson, Edward R., and M. J. Devine. Method of lubricating anti-friction bearings. 2,980,987, 4–25–61, Cl. 29—148.4.
Lamson, Edward R., and M. J. Devine. Anti-friction bearings lubricated with bonded lubricant films. 3,001,837, 9–26–61, Cl. 308—188.
Lamson, Edward R., and M. J. Devine. Lubricated anti-friction bearings. 3,001,838, 9–26–61, Cl. 308—188.
Lamson & Sessions Co., The: *See*—
Anderson, Edward A., and Walton. 2,987,202.
Anderson, Edward A., and Walton. 3,001,214.
Anderson, Edward A., and Walton. 3,001,292.
Lamtex Industries, Inc.: *See*—
Medney, Jonas. 2,967,283.
Lamy, Richard C., to International Business Machines Corp. Binary comparator. 2,997,692, 8–22–61, Cl. 340—149.
Lanata, German D. Blinking light arrangement. 2,967,976, 1–10–61, Cl. 315—322.
La Nationale S.A.: *See*—
Zellweger, Conrad. 3,014,357.
Lancashire, Thomas A. H.: *See*—
Catford, Adrian L., and Lancashire. 2,987,056.
Lancaster, Edward W., and H. H. Evans, to Commercial Cam & Machine Co. Indexing cam structure. 2,986,949, 6–6–61, Cl. 74—84.
Lancaster Engineering Co.: *See*—
Gannon, John J. 2,976,022.
Lancaster, Hugh A., and W. A. Faust, to Kings Mountain Mica Co. Process for eliminating clay slimes from mica. 3,009,570, 11–21–61, Cl. 209—5.
Lancaster, John K., D. C. Milner, and W. Hirst, to The British Thomson-Houston Co. Ltd. Heat treatment of metals in an electrolytic bath. 3,002,083, 9–26–61, Cl. 219—121.
Lancaster, John T. Can punch. 2,995,819, 8–15–61, Cl. 30—16.
Lancaster, Rodney W. Automatic control of room temperature regulating devices. 2,987,894, 6–13–61, Cl. 62—97.
Lancaster, Talbot A. Method and apparatus for vacuum packaging with plastic sheaths. 2,991,600, 7–11–61, Cl. 52—22.
Lance, Ora L. Trailer hitch equalizers. 2,982,565, 5–2–61, Cl. 280—406.
Lance, Ora L. Load equalizers for trailerhouses. 3,011,799, 12–5–61, Cl. 280—406.
Lance, Orville P.: *See*—
Skromme, Arnold B., and Lance. 3,005,538.
Lance, Orville P., and W. A. Murray, to Deere & Co. Conveyor. 2,990,053, 6–27–61, Cl. 198—185.
Lanciano, Claude O., Jr., and P. J. Zannoni, to Rubber Fabricators, Inc. Life preserver. 2,999,255, 9–12–61, Cl. 9—338.
Lancor, Joseph H., Jr., to Sperry Rand Corp. Object detecting and locating system. 3,008,139, 11–7–61, Cl. 343—17.1.
Lanctot, Donald H., to Don-Lan Electronics Co., Inc. Miniature wave guide switch. 3,009,117, 11–14–61, Cl. 333—7.
Lanctot, Donald H., to Don-Lan Electronics Co., Inc. Wave guide switch. 3,015,079, 12–26–61, Cl. 333—7.
Lancucki, Marian A., and J. W. Strange, to Thorn Electrical Industries Ltd. Nozzles. 3,007,438, 11–7–61, Cl. 118—3.
Lancy Laboratories, Inc.: *See*—
Lancy, Leslie E. 2,981,682.
Lancy, Leslie E., to Lancy Laboratories, Inc. Chlorination of water soluble iron cyanide compounds using mercuric chloride catalyst. 2,981,682, 4–25–61, Cl. 210—62.
Land-Air, Inc.: *See*—
Crampton, Gale W., and Smith. 3,002,376.
Land, Edwin, to Polaroid Corp. Photographic process, product and apparatus. 2,977,226, 3–28–61, Cl. 96—3.
Land, Edwin H.: *See*—
Grey, David S., Land, and Ryan. 2,991,690.
Land, Edwin H., to Polaroid Corp. Photographic transfer processes for forming multicolor dye images and photographic products for carrying out the same. 2,968,554, 1–17–61, Cl. 96—3.
Land, Edwin H., to Polaroid Corp. Photographic process. 2,972,532, 2–21–61, Cl. 96—29.
Land, Edwin H., to Polaroid Corp. Composition comprising a vinylpyridine polymer and a hydantoin formaldehyde condensation polymer. 2,979,477, 4–11–61, Cl. 260—29.4.
Land, Edwin H., to Polaroid Corp. Photographic processes and products. 2,982,650, 5–2–61, Cl. 96—76.
Land, Edwin H., to Polaroid Corp. Photographic processes and products. 2,992,102, 7–11–61, Cl. 96—29.
Land, Edwin H., to Polaroid Corp. Novel color processes and products. 2,997,390, 8–22–61, Cl. 96—29.
Land, Edwin H., to Polaroid Corp. Color image formation in which only one color filter is employed in projection. 3,003,391, 10–10–61, Cl. 88—16.4.
Land, Edwin H., and O. E. Wolff, to Polaroid Corp. Photographic transfer-reversal processes utilizing screen members. 2,992,103, 7–11–61, Cl. 96—29.
Land, Edwin H., M. N. Fairbank, and W. J. McCune, Jr., to Polaroid Corp. Photographic apparatus and process for treating light-sensitive material. 3,003,871, 10–10–61, Cl. 96—29.
Land, Elvin S. Hoop roller. 2,970,403, 2–7–61, Cl. 46—220.
Land, Elvin S. Can opener. 2,975,515, 3–21–61, Cl. 30—15.
Land, Everett A., Jr. Device for stretching web material. 2,984,934, 5–23–61, Cl. 45—138.
Land, William E. Plastic bonded explosives rocket warhead. 2,998,772, 9–5–61, Cl. 102—56.
Land, William E., and R. O. Phillips, to United States of America, Navy. High explosive composition. 3,000,308, 9–19–61, Cl. 102—56.
Landa, Arthur J.: *See*—
Catlin, Robert T., and Landa. 2,977,855.
Landau, Argo E., E. C. Roberts, and J. A. Zeilmann, to Royal Bond, Inc. Materials for embalming human corpses. 3,000,782, 9–19–61, Cl. 167—49.5.
Landau, Max A., to Azoplate Corp. Development of diazotype printing plates. 2,994,609, 8–1–61, Cl. 96—49.
Landau, Miles E. Adhesive protective pads. 2,969,062, 1–24–61, Cl. 128—153.
Landauer, Rolf W., to International Business Machines Corp. Ferroelectric circuitry. 3,015,090, 12–26–61, Cl. 340—173.2.
Landauer, Walter E.: *See*—
Speh, Karl C., and Landauer. 2,984,746.
Landbouwwerktuigen-en Machinefabriek H. Vissers N.V.: *See*—
Vissers, Herbert. 2,970,626.
Landbrecht, Franz, to Agfa Aktiengesellschaft. Dashpot for camera shutter. 2,974,754, 3–14–61, Cl. 188—95.
Landeau, Warner E. Screw-holder screw driver. 3,003,528, 10–10–61, Cl. 145—50.
Landecker, Kurt, to The University of New England. Means for the generation and transmission of very large pulses of radio frequency waves. 3,011,051, 11–28–61, Cl. 250—17.
Landee, Robert W.: *See*—
Tasker, Homer G., Van Alstyne, Green, Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.
Landee, Robert W., to Gilfillan Bros. Inc. System and subcomponents for selecting and controlling surveillance and precision displays for ground-controlled approach. 3,009,144, 11–14–61, Cl. 343—11.
Landee, Robert W., J. R. Deen, J. J. Fling, R. G. Shaw, R. R. Davis, J. K. Johnston, and P. L. Bennett, to Gilfillan Bros. Inc. Simplified ground controlled approach system including adaptations for surveillance, precision approach, taxi and height finding. 2,975,413, 3–14–61, Cl. 343—5.
Landeg, Peter E.: *See*—
Sawyer, Charles H. V., and Landeg. 2,977,020.
Landell, Edward E., to Kirsch Co. Pleater strip. 2,985,235, 5–23–61, Cl. 160—348.
Lander, David R.: *See*—
Clarke, Gordon H. T., and Lander. 2,991,049.
Lander, Kenneth: *See*—
Fisher, William H., and Lander. 2,985,740.
Lander, Richard W., to Clips & Clamps, Inc. Clamp. 2,992,801, 7–18–61, Cl. 248—74.
Landerer, Hugo, and R. Rabin, to Sperry Rand Corp. Moving average computer. 2,985,371, 5–23–61, Cl. 235—180.
Landerman, Abraham M., to United Aircraft Corp. Rocket gas generator for turbofan engine. 3,002,340, 10–3–61, Cl. 60—35.6.
Landeros, Jose D. Sewing machine drive. 2,985,270, 5–23–61, Cl. 192—11.
Landers, Frary & Clark: *See*—
Kircher, Paul J. 3,011,428.
Russell, William J. 3,012,686.
Landers, Harvey S. Quick change roller die assembly. 2,981,212, 4–25–61, Cl. 107—14.
Landers, Harvey S. Die assembly for pellet mills. 2,994,918, 8–8–61, Cl. 18—12.
Landesman, Herbert, to Olin Mathieson Chemical Corp. Preparation of liquid alkylates pentaborane. 2,977,392, 3–28–61, Cl. 260—606.5.
Landesman, Herbert, to Olin Mathieson Chemical Corp. Production of liquid alkylated pentaborane. 2,983,761, 5–9–61, Cl. 260—606.5.
Landfors, Arthur A., to National Research Corp. High vacuum. 2,986,326, 5–30–61, Cl. 230—69.
Landgraf, David C. Nutcracker. 3,014,514, 12–26–61, Cl. 146—13.
Landgraf, Fred: *See*—
Goldsworthy, William B., and Landgraf. 2,990,091.
Landgraf, George F., to Trion, Inc. Method and apparatus for electrostatic coating. 2,994,618, 8–1–61, Cl. 117—93.
Landgraf, George W., to Johns-Manville Corp. Method of embossing mineral wool acoustical panels. 3,008,257, 11–14–61, Cl. 41—24.
Landgraf, Jacob T., and R. W. Nelson, to H. D. Hudson Mfg. Co. Pilot construction. 2,993,533, 7–25–61, Cl. 158—115.
Landgraf, Richard P.: *See*—
Hermann, Lee N., and Landgraf. 3,001,114.
Landgraf, Walter D. and R. P. 2,967,601.
Landgraf, Walter D. Typewriter spools. 3,008,561, 11–14–61, Cl. 197—151.
Landgraf, Walter D. and R. P. Trigger mounting for typewriter spool. 2,967,601, 1–10–61, Cl. 197—175.
Landgren, Thomas E.: *See*—
Georgen, Robert D., Johnson, and Landgren. 2,975,387.
Landin, Lars H. Hydraulic garage-jack. 3,011,763, 12–5–61, Cl. 254—2.
Landis, Alfred R., to Imperial-Eastman Corp. Tube bending machines. 2,986,195, 5–30–61, Cl. 153—40.
Landis, George N.: *See*—
Karron, Jacob, Landis, and Robbins. 2,995,050.
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Hauri, Paul. 2,987,703.
Jaeger, Hans. 2,973,620.
Jager, Hans. 2,997,612.
Von Kotschubey, Nikolaus. 2,987,365.
Landis Machine Co.: *See*—
Beckner, Wilbur R., Jr. 2,981,962.
Eigenbrode, Glenn S. 2,974,550.
Moeltzner, Ernst F. W., and Hubl. 2,974,549.

Landis, Oliver D. Portable vacuum and blower construction. 2,969,559, 1–31–61, Cl. 15—330.

Landis, Peter H. Fountain brushes. 2,986,766, 6–6–61, Cl. 15—558.

Landis, Phillip S.: *See*—
Hamilton, Lyle A., and Landis. 2,995,569.

Landis Tool Co.: *See*—
Balsiger, Harold E. 2,975,782.
Balsiger, Harold E. 2,984,950.
Gebel, Kurt M. 2,984,952.
Price, Donald F. 2,977,933.
Price, Donald F., and Happel. 2,984,955.
Price, Ralph E. 3,009,455.
Snyder, Glenn M. 2,969,625.

Landmark Corp., The: *See*—
Bellis, Paul. 2,979,841.

Landolt, Percy E.: *See*—
Martin, Emmett J., and Landolt. 2,974,884.

Landon, Ira T.: *See*—
Matter, Robert C., and Landon. 2,980,562.

Landon, Richard E., and H. R. Rector. Clamping device for electrical extension cord couplings. 2,984,815, 5–16–61, Cl. 339—75.

Landon, Steven, to Washex Machinery Corp. Door structure for a rotary container. 2,967,001, 1–3–61, Cl. 220—55.

Landor Inc.: *See*—
Johnson, Edwin H. 3,011,805.

Landrieu, Philippe, to Societe des Gypses et Platres de France. Method of and apparatus for the production of gypsum plaster. 2,974,939, 3–14–61, Cl. 263—33.

Landrum, William F. Fishhook removing tool. 3,008,260, 11–14–61, Cl. 43—53.5.

Landry, Armand, to Scott & Williams, Inc. Knitting machine. 2,971,360, 2–14–61, Cl. 66—150.

Landry, Henry J. Folding play-yard. 2,992,441, 7–18–61, Cl. 5—99.

Landry, William J.: *See*—
Scott, Robert J., Chappell, Grant, and Landry. 2,995,817.

Landstorfer, Rudolf, to Robert Bosch, G.m.b.H. Voltage regulating apparatus. 2,972,712, 2–21–61, Cl. 322—25.

Landsverk Electrometer Co.: *See*—
Landsverk, Ole G., Glodenis, and Merriner. 2,976,420.

Landsverk, Ole G., Z. Glodenis, and D. L. Merriner, to Landsverk Electrometer Co. Dosimeter charging switches. 2,976,420, 3–21–61, Cl. 250—83.3.

Landua, Alton J., and J. G. Schuren, to Shell Oil Co. Continuous process for preparing glycidyl ethers of phenols. 2,986,552, 5–30–61, Cl. 260—47.

Lane, Arthur W., to Sperry Rand Corp. Gyroscopic apparatus. 2,977,806, 4–4–61, Cl. 74—5.34.

Lane, Byron D. Hanger for flue pipes. 3,004,740, 10–17–61, Cl. 248—57.

Lane, Claude B. Earth borer, pulverizer, and trenching device. 2,991,838, 7–11–61, Cl. 175—221.

Lane, Clayton A., and R. John, to Siemens Edison Swan Ltd. Thermionic valve grids. 2,989,615, 6–20–61, Cl. 219—58.

Lane, Clayton A., and J. Kay, to Siemens Edison Swan Ltd. Manufacture of electronic valves. 3,015,019, 12–26–61, Cl. 219—68.

Lane, Constance A., to Rohm & Haas Co. Alkyleneboratoalkyl acrylates and methacrylates. 2,994,713, 8–1–61, Cl. 260—462.

Lane Container Co.: *See*—
Lane, Dan R. 2,974,844.

Lane, Dan R., to Lane Container Co. Packaging support. 2,974,844, 3–14–61, Cl. 229—14.

Lane, Edward K., Jr., to Emhart Mfg. Co. Apparatus for making glass film. 2,986,844, 6–6–61, Cl. 49—17.

Lane, Erik L. Field glass having displaceable ocular lens. 2,985,070, 5–23–61, Cl. 88—34.

Lane, Frank L., and H. D. Roberts, to Chance Vought Corp. Load application unit. 2,981,097, 4–25–61, Cl. 73—88.

Lane, George E.: *See*—
Carpenter, Edward W., and Lane. 2,996,041.
Carpenter, Edward W., and Lane. 3,001,509.

Lane, Henry R. A., to Graphic Technology Ltd. Feed device for record controlled addressing machines and like machines. 2,981,396, 4–25–61, Cl. 197—133.

Lane, James M.: *See*—
Benson, Arthur E., and Lane. 3,012,599.

Lane, John C.: *See*—
Cumming, Ronald W., and Lane. 3,005,185.

Lane, John H., and V. M. Walker, to Burroughs Corp. Transfer circuit. 2,968,796, 1–17–61, Cl. 340—174.

Lane, Joseph H. Power tool guide with clamping and indicator means. 2,976,899, 3–28–61, Cl. 143—47.

Lane, Lewis D.: *See*—
McSpadden, Joseph W. 2,992,499.

Lane, Marvin, and J. S. Samkoff, to Union Tank Car Co. Method and apparatus for controlling the feed of filter aid to a filter arrangement. 2,971,648, 2–14–61, Cl. 210—75.

Lane, Norman R.: *See*—
Buckingham, William D., Lane, Ridge, and Turner. 2,982,815.

Lane, Robert F., to United Shoe Machinery Corp. Mechanism for feeding axial components to a conveyor. 2,985,275, 5–23–61, Cl. 198—26.

Lane-Wells Co., a Division of Dresser Industries, Inc.: *See*—
Bohn, Floyd O. 2,989,631.

Lane, William B., S. Baum, L. J. Graham, R. K. Fuller, J. L. Mackin, J. R. Lai, P. E. Zigman, and W. E. Shelberg, to United States of America, Navy. Detergometer. 2,974,520, 3–14–61, Cl. 73—53.

Lanegan, Frederick E. Printing machine for punched paper. 2,999,456, 9–12–61, Cl. 101—228.

Laneve, Arthur L., H. E. Nash, and R. L. Tress, to Crown Zellerbach Corp. Container for wire, tubing, cordage and the like. 2,973,858, 3–7–61, Cl. 206—52.

Lanford, Ben W., and L. H. Pool, to General Dynamics Corp. Fluid flow regulator. 2,998,520, 8–29–61, Cl. 250—83.3.

Lanford, Wade E., to United States of America, National Aeronautics and Space Administration. Folding apparatus. 3,010,372, 11–28–61, Cl. 93—1.

Lang, Albert P., to Sperry Rand Corp. Armature disk for clutch brake unit. 3,003,609, 10–10–61, Cl. 192—84.

Lang, Andrew R., to Burroughs Corp. Spring construction for a type rack. 2,978,978, 4–11–61, Cl. 100—109.

Lang, Anton, to Delmag-Maschinenfabrik Reinhold Dornfeld. Internal combustion ramming arrangements. 2,991,765, 7–11–61, Cl. 123—7.

Lang, Anton, to Delmag-Maschinenfabrik Reinhold Dornfeld. Fuel containers in reciprocating cylinders of internal combustion engines. 2,996,054, 8–15–61, Cl. 123—139.

Lang, Boris M. Music instruction device. 2,977,836, 4–4–61, Cl. 84—471.

Lang, Charles. Outboard tow and crash bar. 2,974,625, 3–14–61, Cl. 114—235.

Lang, Charles. Combination boat fender and boat step. 3,000,021, 9–19–61, Cl. 9—1.

Lang, Donald D., and J. Ford. Method and apparatus for making multi-conductor cable. 3,005,739, 10–24–61, Cl. 156—47.

Lang, Edward W.: *See*—
Parran, John J., Lang, and Whyte. 2,979,465.

Lang, Friedrich: *See*—
Geller, Julius, Schweym, Puls, Lang, and Damm. 2,985,577.

Lang, Gerhard, and R. Necke, to Institut fur Fordertechnik des Ministeriums fur Schwermaschinenbau. Load-carrying bridge for overhead travelling cranes, gantry cranes and the like. 2,983,390, 5–9–61, Cl. 212—18.

Lang, Gerhard P.: *See*—
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Lang-Giffen Co.: *See*—
Peavy, Clarence. 2,981,996.

Lang, Gregor L. Gearless speed reduction mechanism. 3,004,453, 10–17–61, Cl. 74—798.

Lang, Harold M.: *See*—
Eisler, Joseph D., Hadley, Lang, and Silverman. 3,011,145.

Lang, Helmut, to Firma Rhenopack G.m.b.H. Machine for the manufacture of hollow bodies. 3,013,301, 12–19–61, Cl. 18—19.

Lang, Helmut, and G. Lowinger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Apparatus for aligning and separating from one another continuous, pillow-shaped packages. 3,007,359, 11–7–61, Cl. 83—175.

Lang, Ivan R. Power-operated golfer's vehicle. 2,966,951, 1–3–61, Cl. 180—25.

Lang, James M., and P. Klamp, to Mechanical Handling Systems, Inc. Adjustable rack. 2,984,363, 5–16–61, Cl. 211—182.

Lang, John, & Sons, Ltd.: *See*—
Blackburn, Donald M. 2,972,487.

Lang, John L.: *See*—
Dreisbach, Robert R., and Lang. 2,992,942.
Dreisbach, Robert R., and Lang. 3,011,917.
Vandegaer, Jan E., and Lang. 2,997,206.

Lang, John L., to The Dow Chemical Co. Copolymers and process for preparing the same. 2,967,855, 1–10–61, Cl. 260—80.5.

Lang, John L., to The Dow Chemical Co. Resinous compositions comprised of a cross-linkable adduct of coal acids and a polyfunctional ureal reactant. 3,004,954, 10–17–61, Cl. 260—70.

Lang, John L., C. Jones, A. F. Roche, and F. L. Ingley, to The Dow Chemical Co. Copolymers of methyl methacrylate possessing good elongation values. 2,974,125, 3–7–61, Cl. 260—80.5.

Lang, Karl A., to Lindberg Engineering Co. Multiple chamber metal melting furnace. 3,005,858, 10–24–61, Cl. 13—29.

Lang, Karl F., and M. Froitzheim, to Rutgers-Aktiengesellschaft. Process for preparing 1,3,5-triphenyl-benzene. 2,987,559, 6–6–61, Cl. 260—668.

Lang, Konrad: *See*—
Schubert, Friedrich, and Lang. 2,994,698.

Lang, Leopold: *See*—
Belke, William E., and Lang. 3,008,893.

Lang, Lloyd N., to Improved Machinery Inc. Strainer construction. 2,998,064, 8–29–61, Cl. 162—251.

Lang, Maurice, to United States Electric Mfg. Corp. Wafer-type cells for dry batteries and method for making same. 2,987,569, 6–6–61, Cl. 136—111.

Lang, Paul: *See*—
Ten Bosch, Maurits, and Lang. 2,971,401.
Ten Bosch, Maurits, and Lang. 2,983,150.
Ten Bosch, Maurits, and Lang. 2,999,390.

Lang, Robert J., R. B. Long, C. E. Heath, and R. M. Skomoroski, to Esso Research and Engineering Co. Process and apparatus for partial oxidation of organic compounds. 2,981,747, 4–25–61, Cl. 260—451.

Lang, Robert M.: *See*—
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Lang, William H., to Socony Mobil Oil Co., Inc. Low pressure reforming with on-stream periods of greater duration. 3,002,918, 10–3–61, Cl. 208—134.
Langan, Jeremiah E., to Leesona Corp. Delay timer. 2,972,-112, 2–14–61, Cl. 328—72.
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Langangne, Henri J. Production of cast iron. 3,007,791, 11–7–61, Cl. 75—43.
Langbein Pfanhauser Werke, A.G.: *See*—
Todt, Hans G. 3,006,822.
Langberg, Edwin, to United States of America, Army. Nonlinear microwave element based on charge depletion. 2,974,223, 3–7–61, Cl. 250—20.
Lang-Dale, George D.: *See*—
Granados, Frank D. 3,000,202.
Langdon, Jesse D. Valved fluid pressure accumulator. 3,011,176, 12–5–61, Cl. 4—27.
Langdon, Kenneth T. P., to Rotol Ltd. Aircraft undercarriage. 2,967,033, 1–3–61, Cl. 244—102.
Langdon, Lawrence E., to Pacific Flush Tank Co. Gas diffusing apparatus. 2,986,382, 5–30–61, Cl. 261—124.
Langdon, William K., to Wyandotte Chemicals Corp. Soap composition containing lime soap dispersant. 2,983,684, 5–9–61, Cl. 252—117.
Lange, Andrew J. Walking model of an ambulant animal. 2,996,304, 8–15–61, Cl. 280—1.181.
Lange, Emil, to Aktieselskabet National Industri. Electrical fuse. 2,977,445, 3–28–61, Cl. 200—120.
Lange, Emil, ½ to Aktieselskabet National Industri. Electrical switch. 3,010,002, 11–21–61, Cl. 200—148.
Lange, Ferdinand, to W. Bahlsen. Collapsible wrapped folding box structure. 2,998,907, 9–5–61, Cl. 229—20.
Lange, Guenter: *See*—
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Lange, Harold T., and E. F. Kounovsky, to Sporlan Valve Co. Constant pressure expansion valve. 2,967,403, 1–10–61, Cl. 62—196.
Lange, Harry R., and R. F. Mitchell, to Textron Inc. Screw slotting machine with rotary work carrier braking means. 2,996,734, 8–22–61, Cl. 10—6.
Lange, Henry B.: *See*—
Jones, Robert E., and Lange. 2,994,645.
Lange Instrument Co.: *See*—
Carter, Willis M., and Lange. 2,981,147.
Lange, Joachim: *See*—
Bestian, Herbert, and Lange. 2,999,856.
Lange, Karl H., to Balda-Kamera-Werk Rudolf Gruter K.G. Photographic cameras. 2,982,192, 5–2–61, Cl. 95—42.
Lange, Karl H., to Balda-Kamerawerk, Rudolf Gruter K.G. Respooling device for photographic cameras. 3,014,673, 12–26–61, Cl. 242—71.6.
Lange, Karl O.: *See*—
Carter, Willis M., and Lange. 2,981,147.
Lange, Karl O. Constant pressure calipers. 3,008,239, 11–14–61, Cl. 33—149.
Lange, Marvin C. Wheel ornament. 3,007,743, 11–7–61, Cl. 301—37.
Lange, William R. Three-dimensional opto-router. 2,976,-636, 3–28–61, Cl. 41—25.
Langecker, Erhard, to Gebr. Battenfeld. Process and a machine for the production of hollow bodies. 2,978,745, 4–11–61, Cl. 18—5.
Langen, Viktor, to A. Ehrenreich & Cie. Ball and socket joints. 2,993,716, 7–25–61, Cl. 287—90.
Langenau, Edward E., to Fritzsche Brothers, Inc. Processes of coloring foodstuffs. 2,982,656, 5–2–61, Cl. 99—148.
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Langenbeck, Wolfgang, H. Kaufmann, and J. Welker, to VEB Leuna-Werke "Walter Ulbricht." Process for the reformation of gasoline hydrocarbons with a metallic nickel catalyst. 2,967,823, 1–10–61, Cl. 208—137.
Langenberg, Frederick C., to Crucible Steel Co. of America. Method to catalyze the reduction of ores. 2,979,396, 4–11–61, Cl. 75—34.
Langendorf, Matthew P., to International Business Machines Corp. Voice actuated relay circuit. 3,011,030, 11–28–61, Cl. 179—100.1.
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Langer, Arthur W., Jr., and C. M. White, to Esso Research and Engineering Co. Recovery of high molecular weight olefin polymers. 3,001,976, 9–26–61, Cl. 260—93.7.
Langer, Arthur W., Jr., and C. E. Morrell, to Esso Research and Engineering Co. Low pressure polymerization of olefins. 3,008,949, 11–14–61, Cl. 260—94.9.
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Langer, Richard. Ground anchor for guy wires. 2,983,345, 5–9–61, Cl. 189—91.
Langer, Shirley A.: *See*—
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Langer, Theodore W., deceased (S. A. Langer, administrator), and W. J. Ziemba, to Union Carbide Corp. Hydraulic fluid composition. 3,005,776, 10–24–61, Cl. 252—77.
Langeraar, Wijnand. Long-range navigation system. 2,980,-907, 4–18–61, Cl. 343—105.
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Langham, Eric M. Servomotor control system. 3,013,195, 12–12–61, Cl. 318—162.
Langhans, Ulrich, to VEB Leuna-Werke "Walter Ulbricht." Fluid-operated control device. 2,988,099, 6–13–61, Cl. 137—82.
Langheck, Richard, to Wilhelm Sihn, Jr., K.G. Overload clutch. 2,969,133, 1–24–61, Cl. 192—56.
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Langley, Bernard W., to Imperial Chemical Industries Ltd. Pyrimidines. 2,980,665, 4–18–61, Cl. 260—154.
Langley, Bernard W., to Imperial Chemical Industries Ltd. Pyrimidines. 2,980,678, 4–18–61, Cl. 260—256.4.
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Langlois, Pierre L. E., to Compagnie de Saint-Gobain. Manufacture of nitrogen containing complex fertilizers. 3,000,724, 9–19–61, Cl. 71—39.
Langmaack, Lothar, to Wolff & Co. Kommanditgesellschaft auf Aktien. Method of producing synthetic sausage casings. 2,973,274, 2–28–61, Cl. 99—176.
Langmack, Carl J., to Pfaff and Kendall. Portable mast. 3,004,635, 10–17–61, Cl. 189—26.
Langman, David. Leg bandage. 2,980,111, 4–18–61, Cl. 128—165.
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Langston, Donald M., to Federal Pacific Electric Co. Zig-zag ring bus. 2,975,306, 3–14–61, Cl. 307—147.
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Moser, Henry W., Grobman, and Eskilson. 3,013,489.
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Lanham, William M., to Union Carbide Corp. Production of heterocyclic phosphorus-containing compounds and products. 3,006,946, 10–31–61, Cl. 260—461.
Lanham, William M., to Union Carbide Corp. Production of heterocyclic phosphorus-containing compounds. 3,006,947, 10–31–61, Cl. 260—461.

Lanier, Reginald S., to Washington Machine & Tool Works, Inc. Multiple spindle boring machine. 2,972,914, 2–28–61, Cl. 77—22.

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Lanneau, Keith P., and M. O. Gernand, to Esso Research and Engineering Co. Input voltage controlled servosystem with one way drive output. 3,010,060, 11–21–61, Cl. 318—28.

Lanner, Arthur W., and R. A. Olney, to The Proctor & Gamble Co. Scorch resistant textile softening finish composition. 2,978,408, 4–4–61, Cl. 252—8.8.

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Lannert, Melvin R. Rotary lawn mower blade. 2,969,634, 1–31–61, Cl. 56—25.4.

Lannert, William H., to FMC Corp. Screening and comminuting device. 3,002,625, 10–3–61, Cl. 210—173.

Lannert, William H., to FMC Corp. Quick acting valve. 3,008,492, 11–14–61, Cl. 137—625.27.

Lanning, Walter C., to Sperry Rand Corp. Absolute value reversible counter. 2,970,759, 2–7–61, Cl. 235—92.

Lanning, Walter C., to Sperry Rand Corp. Binary digital counter. 2,983,826, 5–9–61, Cl. 307—88.

Lanning, William C., to Phillips Petroleum Co. Separation of solid polymer from solid catalyst by halogenation and solubilization of polymer. 2,981,728, 4–25–61, Cl. 260—94.9.

Lanning, William C., to Phillips Petroleum Co. Separation of reaction products of hydrogenation of crude oil. 3,003,580, 10–10–61, Cl. 183—2.5.

Lanning, William C., J. P. Hogan, R. L. Banks, and C. V. Detter, to Phillips Petroleum Co. Polymerization process using a solid catalyst dispersion medium. 2,970,135, 1–31–61, Cl. 260—94.9.

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Arnot, Alfred E. R. 3,014,344.

Lansing, Horace L., to Poor & Co. Integrated insulated rail joint bar. 2,989,240, 6–20–61, Cl. 238—244.

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Lantz, Robert, and G. Kalopissis, to Societe Anonyme Dite: Societe Monsavon-l'Oreal. Process for dyeing hair, fur and other keratinic fibres with dihydroxyaminobenzenes. 3,011,858, 12–5–61, Cl. 8—11.

Lantz, Willard J., to American Smelting and Refining Co. Low gassing zinc dust paint. 2,968,571, 1–17–61, Cl. 106—14.

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Laperouse, Edward J. Adjustable metallic awning. 2,979,789, 4–18–61, Cl. 20—57.5.

Lapeyre, Fernand S. and J. M., to The Peelers Co. Machine for peeling crawfish and the like. 2,987,759, 6–13–61, Cl. 17—2.

Lapeyre, Fernand S. and J. M., and L. E. Demarest, to The Peelers Co. Pressure devices for peeling shrimp. 2,988,771, 6–20–61, Cl. 17—2.

Lapeyre, Fernand S. and J. M., and L. E. Demarest, and R. F. Couret. Process for the recovery of oyster meats. 3,007,801, 11–7–61, Cl. 99—195.

Lapeyre, James M.: *See*—
Lapeyre, Fernand S. and J. M. 2,987,759.
Lapeyre, Fernand S. and J. M., and Demarest. 2,988,771.
Lapeyre, Fernand S., J. M., Demarest, and Couret. 3,007,801.

Lapeyre, James M., to The Peelers Co. Process for extracting meats from crustaceans. 2,978,334, 4–4–61, Cl. 99—111.

Lapham, Sidney D. Bull float. 2,999,261, 9–12–61, Cl. 15—235.8.

Laplerre, Raymond J.: *See*—
Benson, William L., and Laplerre. 2,970,056.

La Pierre, Raymond J., to Merck & Co., Inc. Stable formulations of plant growth stimulant. 3,004,845, 10–17–61, Cl. 71—2.4.

Lapin Products, Inc.: *See*—
La Grutta, Pascal. 2,972,833.

La Pine, Arthur S., & Co.: *See*—
Shonka, Francis R., and Solecki. 2,972,784.

Lapins, Alvin W., and B. G. Elliott, to Massey-Ferguson Inc. Combination scarifier-scraper. 2,986,828, 6–6–61, Cl. 37—145.

Lapins, Alvin W., and R. L. Tweedale, to Massey-Ferguson Inc. Leveling control for hillside combines. 3,008,724, 11–14–61, Cl. 280—6.1.

Lapinski, Francis A., and J. A. Dever, to Minneapolis-Honeywell Regulator Co. Recording apparatus. 3,013,855, 12–19–61, Cl. 346—29.

Lapinski, Frank S., to J. A. Cahil. Can opener. 2,983,039, 5–9–61, Cl. 30—8.5.

Lapinski, Theodore M.: *See*—
Chapin, William S., and Lapinski. 2,997,966.

La Pointe, Gabriel M., and D. E. Priest, to Parker Mfg. Co. Stapler device. 2,982,966, 5–9–61, Cl. 1—96.

Lapointe, Lloyd J.: *See*—
Cetran, Louis, D'Onofrio, and Lapointe. 3,001,625.

Lapointe, Lloyd J., to Royal McBee Corp. Combination punch and reader units. 2,980,320, 4–18–61, Cl. 234—41.

Lapointe, Lloyd J., to Royal McBee Corp. Voltage discriminating devices. 2,995,636, 8–8–61, Cl. 200—87.

Lapointe, Lloyd J., to Royal McBee Corp. Tape transport apparatus. 2,999,625, 9–12–61, Cl. 226—51.

Lapointe, Lloyd J., to The Denominator Co., Inc. Counter mechanism. 3,006,546, 10–31–61, Cl. 235—134.

Laporte Chemicals Ltd.: *See*—
Holmes, William R., Marshall, and Oates. 3,010,808.

Laporte, Francis L. Refrigerated space humidification. 3,004,403, 10–17–61, Cl. 62—311.

La Porte, Francis L. Refrigeration apparatus with liquid trapping means. 3,012,414, 12–12–61, Cl. 62—275.

La Porte, Francis L. Refrigerator defrosting means. 3,012,415, 12–12–61, Cl. 62—278.

Laporte Titanium Ltd.: *See*—
Wigginton, Raymond J. 3,009,772.

Lapp, Ellsworth W., to M. E. Bonomo and E. R. Meiness. Hydra-gauge dynamometer. 2,981,099, 4–25–61, Cl. 73—134.

Lapp, Grover W. Ceramic tunnel kiln. 2,975,499, 3–21–61, Cl. 25—142.

Lapp Insulator Co., Inc.: *See*—
Fiero, Carl D., and Corey. 2,986,595.
Jenner, Ralph L., and Mills. 3,002,043.

Lapp, Roger H., M. Goldman, M. E. Goss, and R. W. Froelich, to United States of America, Navy. Pressure operated water valve. 2,989,124, 6–20–61, Cl. 169—19.

Lappala, Risto P., to Griffolyn Co., Inc. Reinforced tear-resistant material. 2,999,041, 9–5–61, Cl. 154—46.

Lappin, Gerald R.: *See*—
Van Allan, James A., Lappin, and Tamblyn. 2,987,503.

Lappin, Gerald R., to Eastman Kodak Co. Stabilized polyethylene. 2,980,646, 4–18–61, Cl. 260—45.85.

Lappin, Gerald R., to Eastman Kodak Co. Polyethylene stabilized with 3 hydroxyl 4-(phenylcarbonyl) phenyl esters. 2,980,647, 4–18–61, Cl. 260—45.85.

Lappin, Gerald R., to Eastman Kodak Co. Polyesters of 3 hydroxy-4(phenylcarbonyl) phenoxyacetic acid and organic plastics stabilized therewith. 2,983,708, 5–9–61, Cl. 260—45.85.

Lappin, Milton L.: *See*—
Zandberg, Paul I., and Lappin. 3,013,804.

Lappin, Richard J., and R. G. Mohr, to Brunswick Corp. Chair structure. 2,999,662, 9–12–61, Cl. 248—188.

Lappin, Robert I. Apparatus for treating floors. 3,013,288, 12–19–61, Cl. 15—50.

Lapporte, Seymour J., and W. A. Sweeney, to California Research Corp. Production of alpha-glycols. 2,971,989, 2–14–61, Cl. 260—636.

Lapsley, Rhea P., to The Okonite Co. Dynamically balanced alternating-current electric conductors. 2,972,658, 2–21–61, Cl. 174—114.

Lapsley, Rhea P., to The Okonite Co. Method of and apparatus for manufacturing dynamically balanced, stranded electrical conductors. 3,001,353, 9–26–61, Cl. 57—12.
Lapsley, Rhea P., and R. G. Feller, to The Okonite Co. Air-dielectric cable. 3,009,008, 11–14–61, Cl. 174—28.
Lapsley, Robert, to Clark Equipment Co. Method and apparatus for molding a core. 2,990,591, 7–4–61, Cl. 22—13.
Lapsley, Robert, to Clark Equipment Co. Molding apparatus. 3,012,295, 12–12–61, Cl. 22—13.
Larach, Simon, to Radio Corp. of America. Phosphors. 2,978,417, 4–4–61, Cl. 252—301.6.
Larche, Kurt, to Firma Wilhelm Baier K.G. Device for holding a cover of a vehicle opening in a desired position. 3,002,785, 10–3–61, Cl. 296—120.
Larcher, Silvio, and M. Compostella, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Process and apparatus for the thermal cracking of liquid or gaseous hydrocarbons. 3,000,989, 9–19–61, Cl. 260—679.
Larco, Inc.: *See*—
Lintern, William A. and J. W. 2,966,779.
Larde, Raymond, to Les Laboratoires Francais de Chimiotherapie. Multivitamin preparation and method of making same. 2,980,588, 4–18–61, Cl. 167—81.
Lareau, Norman N.: *See*—
Stimson, Allen G., Eagle, and Lareau. 3,001,443.
Lareau, Norman N., and P. J. Erisse, to United States of America, Navy. Delayed arming self-destruction type fuse. 3,000,313, 9–19–61, Cl. 102—70.2.
La Resista Corset Co., The: *See*—
Rockwell, Eileen A. 3,006,345.
Smith, Frances M. 2,969,067.
Larew, John J., and J. K. Snell, to General Electric Co. Servo-controlled shutters for pinhole detectors. 2,981,845, 4–25–61, Cl. 250—219.
Large, Charles B.: *See*—
Zucrow, Maurice J., Hirsch, and Large. 3,012,866.
Large, William E.: *See*—
Scholtes, Donald R., and Large. 2,970,254.
Scholtes, Donald R., and Large. 2,985,816.
Scholtes, Donald R., and Large. 3,005,947.
Van Ness, Hubert W., and Large. 2,977,529.
Large, William E., to Westinghouse Electric Corp. Electronic control apparatus with magnetic input and output logic elements. 2,970,272, 1–31–61, Cl. 328—74.
Larges, Ernest R.: *See*—
Bettoni, Eugene C., and Larges. 2,985,727.
Larges, Ernest R., to Holley Carburetor Co. Spark distributor. 2,977,946, 4–4–61, Cl. 123—117.
Larges, Ernest R., to Holley Carburetor Co. Engine governor control valve. 3,000,388, 9–19–61, Cl. 137—56.
Larkey, Riley E. Protecting device for three phase motor having shiftable rotor as a part of the assembly. 3,001,099, 9–19–61, Cl. 317—13.
Lärkfeldt, Birger: *See*—
Allander, Claes, and Lärkfeldt. 2,976,794.
Allander, Claes, and Larkfeldt. 2,997,061.
Larkin, Artemas McKay. Bearing seal structures. 3,000,675, 9–19–61, Cl. 308—187.1.
Larkin, Barrymore T., and W. E. St. Clair, to Koppers Co., Inc. Method for preparation of glycidyl ether of polyhydric phenols. 2,995,583, 8–8–61, Cl. 260—348.6.
Larkin, Barrymore T., and W. E. St. Clair, to Koppers Co., Inc. Resins of controlled properties. 3,005,797, 10–24–61, Cl. 260—57.
Larkin, Mark E.: *See*—
Oglesby, Minor W., and Larkin. 2,966,920.
Larkin, Robert E., to Cutler-Hammer, Inc. Electrical connectors. 2,988,724, 6–13–61, Cl. 339—95.
Larkin, Robert G., V. W. Peterson, and H. H. Schnepel, to General Motors Corp. Propeller brake. 2,971,613, 2–14–61, Cl. 188—110.
Larkin, Robert G., V. W. Peterson, and H. H. Schnepel, to General Motors Corp. Propeller brake. 3,001,587, 9–26–61, Cl. 170—135.75.
Larkin, Walter: *See*—
McKibbin, John T., and Larkin. 2,966,783.
Larkins, John S., Jr., to Elox Corp. of Michigan. Process of electrical discharge machining with chromium electrode. 2,971,078, 2–7–61, Cl. 219—69.
Larkins, John S., Jr., to Elox Corp. of Michigan. Electrical machining apparatus. 2,981,822, 4–25–61, Cl. 219—69.
Larky, Norbert D., and C. L. Cuccia, to Radio Corp. of America. Automatic gain control of demodulating signals. 2,980,760, 4–18–61, Cl. 178—5.4.
La Rocca, James J., to Continental Can Co., Inc. Electric sensing device. 2,992,869, 7–11–61, Cl. 317—156.
La Rocca, James J., to Continental Can Co., Inc. Magnetically operated sensing device. 3,011,036, 11–28–61, Cl. 200—87.
Laros, R. K., Co., Inc.: *See*—
Bohn, Raymond T. 2,983,613.
La Rosa, Richard, to Hazeltine Research, Inc. Radar antenna system providing improved resolution. 2,990,544, 6–27–61, Cl. 343—100.
La Rose, Harry W., Jr.: *See*—
Ramberg, Einar M., and La Rose. 2,973,975.
Larsen, Adolf. Attachment means for coupling a towed implement or vehicle to a tractor. 3,010,735, 11–28–61, Cl. 280—405.
Larsen, Andrew C. Combination garment hanger. 2,990,959, 7–4–61, Cl. 211—30.
Larsen, Aubrey A., to Sterling Drug Inc. Preparation of halogenated isophthalic acids. 3,009,952, 11–21–61, Cl. 260—518.
Larsen, Botolv. System for operating rail- or cablecrane carriages. 3,011,653, 12–5–61, Cl. 212—91.
Larsen, Eric R., to The Dow Chemical Co. 2-bromo-1,1,1,2-tetrafluoroethane. 2,971,990, 2–14–61, Cl. 260—653.
Larsen, Eric R., to The Dow Chemical Co. Organic fluorine compounds and method of preparation. 2,988,559, 6–13–61, Cl. 260—408.
Larsen, Erling, and H. A. Gantz. Outing accessories. 2,970,630, 2–7–61, Cl. 150—28.
Larsen, Ezra B.: *See*—
Swerdloff, Jack, Larsen, and Troeleman. 2,968,857.
Larsen, Finn J.: *See*—
Bearinger, Van W., and Larsen. 2,980,841.
Larsen, Frederic P. Tight packing container. 3,010,600, 11–28–61, Cl. 220—43.
Larsen, Hans C., to Aktieselskabet Thomas Ths. Sabroe & Co. Apparatus for cooling vegetable and animal products. 2,981,081, 4–25–61, Cl. 62—378.
Larsen, John E. Character comparing apparatus. 2,982,945, 5–2–61, Cl. 340—149.
Larsen, Le Roy F. Device for cleaning and polishing base boards. 3,011,195, 12–5–61, Cl. 15—98.
Larsen, Louis F., to St. Johns Motor Express Co. Load carrying vehicle. 2,986,424, 5–30–61, Cl. 296—28.
Larsen, Lyle V.: *See*—
Harris, Arthur W., and Larsen. 2,968,420.
Larsen, Olaf E., to Phillips Petroleum Co. Method and means for welding thermoplastic pipes. 3,013,925, 12–19–61, Cl. 156—153.
Larsen, Oscar F.: *See*—
Fowler, Roland G., Larsen, Dale, and Garvey. 2,985,364.
Larsen, Paul V., to Esco Corp. Excavating tooth and base support therefor. 3,012,346, 12–12–61, Cl. 37—142.
Larsen, Robert F. Control handle means for powered tethered model airplanes. 2,975,549, 3–21–61, Cl. 46—77.
Larsen, Robert P. Combined boat trailer and shelter. 2,998,150, 8–29–61, Cl. 214—394.
Larsen, Sigwald and S. F. Adjustable anchor. 2,982,508, 5–2–61, Cl. 248—205.
Larsen, Sigwald F.: *See*—
Larsen, Sigwald and S. F. 2,982,508.
Larsen, Theodore E., to Minneapolis-Honeywell Regulator Co. Temperature sensitive apparatus. 2,990,878, 7–4–61, Cl. 158—28.
Larsen, Torleif I., to King-Seeley Corp. Governor. 2,986,131, 5–30–61, Cl. 123—103.
Larsen, Waldemar F., and L. L. Frederick, to McKiernan-Terry Corp. Bottom brace and folding pile hammer leads construction. 2,998,856, 9–5–61, Cl. 175—154.
Larsen, Walter C.: *See*—
De Neul, Richard P., Dickerson, Casey, and Larsen. 2,990,081.
Nelson, Cecil M., Larsen, Goralski, and Rehwaldt. 3,000,434.
Larsen, William J.: *See*—
Curtis, Aaron I., and Larsen. 2,978,878.
Larsh, Everett P. Apparatus for winding coils. 2,969,928, 1–31–61, Cl. 242—1.1.
Larson, Andy M.: *See*—
Larson, Ellsworth L., L. L., and A. M. 2,970,697.
Larson, Arne V.: *See*—
Baur, Leslie L., Gardafee, Kuester, Larson, Putzer, and Leeman. 2,998,891.
Larson, Carl R., to Aerodex, Inc. Method of treating chromium plated cylinders. 2,980,593, 4–18–61, Cl. 204—26.
Larson, Carl U.: *See*—
Kanter, Jerome J., and Larson. 2,992,806.
Larson, Charles O. Scaffold clamp. 2,993,254, 7–25–61, Cl. 24—263.
Larson, Clayton E., to White Metal Rolling & Stamping Corp. Fire escape ladders. 2,998,863, 9–5–61, Cl. 182—164.
Larson, Clayton E., to White Metal Rolling & Stamping Corp. Stepladders and structural components thereof. 3,005,513, 10–24–61, Cl. 182—165.
Larson, Clayton E., to White Metal Rolling & Stamping Corp. Stepladders. 3,009,535, 11–21–61, Cl. 182—124.
Larson, Daniel A., and L. Thorington, to Westinghouse Electric Corp. Lamp and method. 2,976,449, 3–21–61, Cl. 313—109.
Larson, Donald F.: *See*—
Petritz, Anthony F., and Larson. 2,974,078.
Larson, Donald J., to Caterpillar Tractor Co. Push block for tractor mounted ripper. 2,998,965, 9–5–61, Cl. 262—8.
Larson, Donald W. Dual dispenser and shaker insert. 2,986,309, 5–30–61, Cl. 222—480.
Larson, Ellsworth L., L. L., and A. M. Retractable swirl plate and vermin control guard for drain tile intakes. 2,970,697, 2–7–61, Cl. 210—163.
Larson, Ernest O., to Boston Cutting Die Co. Heated cutting die means. 2,997,905, 8–29–61, Cl. 83—171.
Larson, George P.: *See*—
Ten Eyck, Edward H., and Larson. 2,970,176.
Larson, John C.: *See*—
Chase, Thomas W., and Larson. 2,967,031.
Larson, John C., to Minneapolis-Honeywell Regulator Co. Automatic pilots. 2,978,210, 4–4–61, Cl. 244—77.
Larson, Lawrence L.: *See*—
Larson, Ellsworth L., L. L., and A. M. 2,970,697.

Larson, Lester L. Broadcast spreader. 2,989,314, 6–20–61, Cl. 275—8.

Larson, Louis P., to Crown Zellerbach Corp. Recessed bottom container. 3,000,496, 9–19–61, Cl. 206—65.

Larson, Melvin L., to Ethyl Corp. Antiknock compositions. 3,004,838, 10–17–61, Cl. 44—69.

Larson, Rodger G.: *See*—
Dailey, Hampton J., and Larson. 3,010,046.

Larson, Roy C. Beverage bottle receptacle. 2,995,272, 8–8–61, Cl. 220—102.

Larson, Siegfried W., to Leeds and Northrup Co. Control setter. 2,980,876, 4–18–61, Cl. 338—183.

Larson, Stanley C., and J. J. Halliday, to Johnson & Johnson. Apparatus for winding material with programmed tension. 2,978,200, 4–4–61, Cl. 242—75.51.

Larson, Virgil N. Ball door attachment for automatic pin setting machines. 3,012,782, 12–12–61, Cl. 273—49.

Larson, Walter G., to Elco Tool and Screw Corp. Plastic cabinet drawer construction. 2,998,128, 8–29–61, Cl. 206—45.34.

Larson, Wesley S.: *See*—
Hafner, Johann E., and Larson. 3,007,220.

Larson, William B., R. F. Thomson, and F. J. Webbere, to General Motors Corp. Method for producing a high strength ferrous metal. 2,978,320, 4–4–61, Cl. 75—130.

Larson, William M., and H. M. Rice, to The Goodyear Tire & Rubber Co. Adhesive process and laminates. 2,992,939, 7–18–61, Cl. 117—75.

Larssen, Per A., to Central Commercial Co. Artificially colored granules and method of making same. 2,986,476, 5–30–61, Cl. 117—100.

Larsson, Börje I., and A. Wormbs, to Aktiebolaget Bofors. Electrical system with static load switching. 3,011,077, 11–28–61, Cl. 307—127.

Larsson, Carl Viktor: *See*—
Ostberg, Jonas M., and Larsson. 2,999,723.

Larsson, George E., to P. S. Allen. Automatic photographic apparatus. 3,010,375, 11–28–61, Cl. 95—14.

Larsson, Gilbert: *See*—
Wasastierna, Gösta, Larsson, and Lindblad. 2,971,476.

Larsson, Hans E.: *See*—
Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,085.
Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,086.

Larsson, Ingmar V., to Svenska Aktiebolaget Browsregulator. Control valve. 2,991,801, 7–11–61, Cl. 137—620.

Larsson, Johan O. Banding machines. 2,995,080, 8–8–61, Cl. 100—27.

Larsson, Lars, and J. Thenander, to Aktiebolaget Westerasmaskiner. Threshing machine, especially combine harvester. 3,011,497, 12–5–61, Cl. 130—27.

Larsson, Lars E. H.: *See*—
Edenholm, Bert E., and Larsson. 2,986,818.

Larsson, Leo D. Multiple camera support. 2,976,791, 3–28–61, Cl. 95—86.

Larter, Raymond B. Sorting device. 3,000,509, 9–19–61, Cl. 211—11.

La Rue, Albert D., and E. T. Downing, to Raytheon Co. Magnetron electrode structure. 2,983,843, 5–9–61, Cl. 315—39.65.

La Rue, Eleanor S. and F. G.; said F. G. La Rue assor. to said E. S. La Rue. Detachable fastener. Re. 25,004, 7–4–61, Cl. 24—103.

La Rue, Frederick G.: *See*—
La Rue, Eleanor S. and F. G. Re. 25,004.

La Rue, Herschel C.: *See*—
Petersen, Walter C., and La Rue. 2,982,104.

Larue, Herschel C., and W. C. Peterson, to A. Teichert & Son, Inc. Canal excavating apparatus. 3,000,120, 9–19–61, Cl. 37—103.

La Rue, Mervin W., Jr., to Bell & Howell Co. Exposure control with diffraction compensation. 3,006,265, 10–31–61, Cl. 95—64.

La Rue, Mervin W., Jr., and W. W. Wightman, to Bell & Howell Co. Exposure control for photographic cameras. 2,994,256, 8–1–61, Cl. 95—10.

La Rue, Mervin W., Jr., and W. W. Wightman, to Bell & Howell Co. Exposure control for photographic cameras. 2,996,965, 8–22–61, Cl. 95—10.

Lasak, Edwin M.: *See*—
Lauterbach, William E., and Lasak. 3,011,767.

La Salle Steel Co.: *See*—
Nachtman, Elliot S. 2,998,336.
Nachtman, Elliot S. 3,001,897.
Nachtman, Elliot S., and O'Donnell. 3,009,843.

Lasar, William. Band saw mounting for a meat cutting saw. 2,969,815, 1–31–61, Cl. 143—27.

Lasar, William. Electric meat cutting machine. 3,009,492, 11–21–61, Cl. 143—174.

Lasarev, Nick, and W. T. Selsted, to Ampex Corp. Capstan drive assembly. 2,988,257, 6–13–61, Cl. 226—187.

La Sarre, Elmer F., to St. Clair Specialty Mfg. Co. System of making coreless rolls. 3,013,367, 12–19–61, Cl. 53—3.

Lasdine, Charles: *See*—
Fettig, Arthur J., Jenks, Lasdine, Maidment, and Runde. 2,981,421.

Lasdon Foundation, Inc.: *See*—
Huffman, Max N. 2,984,677.
Huffman, Max N. 2,994,708.
Huffman, Max N. 2,996,524.
Huffman, Max N. 3,002,009.
Huffman, Max N. 3,002,983.

Laser, Leon J., and J. G. Sinclair, Jr., to Hughes Aircraft Co. Carrier phase decoder circuit. 2,993,174, 7–18–61, Cl. 328—133.

Laser, William F., to City National Bank and Trust Co. of Chicago, as trustee. Rotary seal. 2,971,783, 2–14–61, Cl. 286—8.

Laser, William F., to City National Bank and Trust Co. of Chicago, as Trustee under the Cartridge Type Seal Liquidation Trust. Labyrinth seal including back up spring. 3,009,717, 11–21–61, Cl. 286—11.15.

Lash, Eugene C., and L. L. McClain, to F. W. Means & Co. Selector mechanism for a flatwork ironer or the like. 2,971,660, 2–14–61, Cl. 214—11.

Lash, Joseph F., to General Motors Corp. Unbalance measuring apparatus. 2,981,112, 4–25–61, Cl. 73—462.

Lash, Monroe H., to Trailco Mfg. and Sales Co. Hydraulically released tractor trailer dump body latching device. 2,989,344, 6–20–61, Cl. 298—22.

Lasho, Clarence E., Jr., and R. J. Pierce, to Collins Radio Co. Mounting structure. 2,994,416, 8–1–61, Cl. 189—36.

Lashua, Sherman C., and W. K. Schweitzer, Jr., to The Dow Chemical Co. Coated metal articles. 2,970,070, 1–31–61, Cl. 117—132.

Lasker, Richard, and C. K. Billeb, to Milprint Inc. Method of forming a reinforced double sheet of cellulose acetate. 3,006,800, 10–31–61, Cl. 156—290.

Laskin, Allen I.: *See*—
Lerner, Leonard J., Laskin, and Weisenborn. 3,005,017.
Weisenborn, Frank L., Lerner, and Laskin. 3,005,018.

Laskin, Allen I., M. A. Guiducci, and J. Fried, to Olin Mathieson Chemical Corp. Synthesis of steroids with Kabatiella phoradendri. 2,977,288, 3–28–61, Cl. 195—51.

Laskin, Allen I., L. J. Lerner, and F. L. Weisenborn, to Olin Mathieson Chemical Corp. A-nortestololactone. 2,998,428, 8–29–61, Cl. 260—343.2.

Laskowitz, Isidor B. Jet-powered ejector rotorless convertible aircraft. 3,010,675, 11–28–61, Cl. 244—12.

Laskowski, Gunter: *See*—
Schulze, Joachim, and Laskowski. 2,978,687.

Laslo, John, to Air Reduction Co., Inc. Pipe welding. 2,979,598, 4–11–61, Cl. 219—60.

Lass, Erwin H. Pipe-bevelers. 2,997,822, 8–29–61, Cl. 51—241.

Lassen, Herbert A., to Hughes Aircraft Co. Integrating accelerometer. 2,968,949, 1–24–61, Cl. 73—504.

Lassen, Herbert A., to Hughes Aircraft Co. System for positioning gimbaled object. 2,992,563, 7–18–61, Cl. 74—5.47.

Lassen-Nielsen, Morten, to Christiani & Nielsen A/S. Method and apparatus for the laying of tunnel units below water. 3,012,406, 12–12–61, Cl. 61—43.

Lasser, Marvin E., to Philco Corp. Image transducing system. 2,980,763, 4–18–61, Cl. 178—6.8.

Lasser, Marvin E., and P. H. Cholet, to Philco Corp. Infrared detector elements and methods of making same. 2,970,285, 1–31–61, Cl. 338—18.

Lassiter, Harmon D. Flush tank valve assembly. 2,970,319, 2–7–61, Cl. 4—57.

Last, James, to Elliott Bros. (London) Ltd. High speed printing mechanism. 2,988,987, 6–20–61, Cl. 101—93.

Laszlo, Margit F., to Cole of California, Inc. Garment construction. 3,012,249, 12–12–61, Cl. 2—243.

Laszlo, Tibor S., to Avco Corp. High density radiant heat systems. 3,015,013, 12–26–61, Cl. 219—19.

Latham, Burton F., Jr., to Continental Carbon Co. Apparatus for making carbon black. 2,976,127, 3–21–61, Cl. 23—259.5.

Latham, Burton F., Jr., and T. A. Ruble, to Continental Carbon Co. Apparatus for making carbon black. 2,976,128, 3–21–61, Cl. 23—259.5.

Latham, Burton F., Jr., and T. A. Ruble, to Continental Carbon Co. Apparatus for making carbon black. 3,012,864, 12–12–61, Cl. 23—259.5.

Latham, James C. Razor blade holder. 2,998,650, 9–5–61, Cl. 30—162.

Latham, Raymond L., to Chrysler Corp. Rocker arm. Re. 24,941, 2–28–61, Cl. 123—90.

Lathe, Frank E.: *See*—
Leatham, Earl, and Lathe. 3,014,806.

Lathrop, Henry T.: *See*—
Yonkers, Robert A., and Lathrop. 2,975,462.
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Yonkers, Robert A., and Lathrop. 2,976,559.

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Laughlin, Myron P. Means for applying plant growth control chemicals. 2,988,849, 6–20–61, Cl. 47—1.5.

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Lawrance, Richard B., and R. A. Pendleton, to Minneapolis-Honeywell Regulator Co. Tape stabilizing apparatus. 2,970,732, 2–7–61, Cl. 226—50.

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Laycak, John F., to Jones & Laughlin Steel Corp. Non-contacting width gage. 2,999,944, 9–12–61, Cl. 250—219.

Laycox, Dewey Manual boat propelling device and mount therefor. 3,007,434, 11–7–61, Cl. 115—31.

Layden, Lawrence M., to Air Reduction Co., Inc. Wire feed mechanism. 3,009,619, 11–21–61, Cl. 226—184.

Layer, Clarence L., to American Archery Co. Inc. Archer's glove. 2,985,885, 5–30–61, Cl. 2—161.

Layer, Edwin H., Jr., E. R. Olson, and J. O. Morgan, to United States of America, Air Force. Method and apparatus for providing a spiral cut in small resistances. 3,012,383, 12–12–61, Cl. 51—259.

Layer, Robert W., to The B. F. Goodrich Co. Production of dialkylidene-p-phenylenediamines. 2,975,213, 3–14–61, Cl. 260—560.

Laymon, Freel A. Feather duster. 2,993,222, 7–25–61, Cl. 15—234.

Layne, Richard C., to Auto-Mechanical Dock Board, Inc. Shock-absorbing bumper. 3,014,710, 12–26–61, Cl. 267—1.

Layng, Edwin T.: *See*—
Keith, Percival C., and Layng. 2,937,467.

Layshock, John L.: *See*—
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Layton, Forrest E., and H. I. Sole, to Crane Packing Co. Bench-type lapping machine. 3,001,371, 10–17–61, Cl. 51—129.

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Layton, J. C., to Towlsaver, Inc. Rotation control unit for dispensers. 3,010,338, 11–28–61, Cl. 74—565.

Layton, J. C., to Towlsaver, Inc. Bearing end construction. 3,010,669, 11–28–61, Cl. 242—55.2.

Layton, John M., to General Motors Corp. Apron for scraper. 3,006,088, 10–31–61, Cl. 37—129.

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Lazar, Melvin E., G. S. Smith, and E. O. Chapin, to United States of America, Agriculture. Preparation of dehydrated fruit having the characteristics of sun-dried fruit. 2,979,412, 4–11–61, Cl. 99—204.

Lazarowicz, Gustaw, to Orenda Engines Ltd. Bevel gear transmission with back-lash control. 2,996,929, 8–22–61, Cl. 74—409.

Lazarus Laboratories, Inc.: *See*—
Scheib, Bernard J., Lazarus, and Sullivan. 2,977,315.

Lazarus, Nathan E.: *See*—
Scheib, Bernard J., Lazarus, and Sullivan. 2,977,315.

Lazarus, Ralph E.: *See*—
Hardesty, Ethridge E. 2,988,240.

Lazenby, Edwin H.: *See*—
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Lazo, Luis R., and B. Barish, to Thompson Ramo Wooldridge Inc. Turbocharger. 3,010,697, 11–28–61, Cl. 253—55.

Lazo, Nicholas, to Bell Telephone Laboratories, Inc. Test circuit for telephone ringers. 3,009,992, 11–21–61, Cl. 179—175.2.

Lazott, Wesley E., to Needham Mfg. Co. Inc. Reset switch mechanism. 2,971,133, 2–7–61, Cl. 317—123.

Lazzarini, Richard F., to Eitel-McCullough, Inc. High-power, high-frequency amplifier klystron tube. 2,994,800, 8–1–61, Cl. 315—5.53.

Le Four Industriel Belge: *See*—
Schropp, Rudolf P. 2,992,084.

Lea, Bernard A.: *See*—
Fry, Douglaa J., Lea, and Kendall. 2,979,501.
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Lea, Harlan L., to D. W. Moor Rubber Corp. Method for fabricating a carpet unit. Re. 24,937, 2–21–61, Cl. 154—118.

Lea, Lawrence. Can opening key. 2,982,438, 5–2–61, Cl. 220—52.

Lea, Lawrence N. High frequency ice cream dispenser gun device. 3,005,421, 10–24–61, Cl. 107—48.

Lea, Lawrence N. Warning, safety stop and distress signalling lights devices. 3,005,975, 10–24–61, Cl. 340—81.

Leaberry, Ernest F., H. F. Hendershot, and P. H. Edwards, to The International Nickel Co., Inc. Lining for ingot molds and method of producing ingots. 2,973,563, 3–7–61, Cl. 22—113.

Leach, Alva L. Log bunk. 2,990,192, 6–27–61, Cl. 280—145.

Leach, Byron E. Therapeutic and prophylactic agent for upper respiratory infections. 2,989,441, 6–20–61, Cl. 195—80.

Leach, Clayton B., and L. V. Ostrander, to General Motors Corp. Bumper-conduit exhaust assembly. 2,979,357, 4–11–61, Cl. 293—69.

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Leach, Frank, and H. Shenton, to Permo Spinning Ltd. Direct spinning of condenser yarn. 2,995,002, 8–8–61, Cl. 57—52.

Leach, Frank, and H. Shenton, to Permo Spinning Ltd. Doffing of spinning machines. 2,997,836, 8–29–61, Cl. 57—52.

Leach, George J.: *See*—
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Leach, Herbert J., and E. H. Pfeiffer, to S. J. Shapiro. Armature assembly apparatus. 2,994,948, 8–8–61, Cl. 29—205.

Leach, John M. Track switches for conveyors. 2,966,862, 1–3–61, Cl. 104—102.

Leach, John M. Process and apparatus for modifying material. 2,995,450, 8–8–61, Cl. 99—134.

Leach, John M. Process and apparatus for treating materials. 2,995,451, 8–8–61, Cl. 9—134.

Leach, Kenneth J. Safety wheel attachment for motor vehicles. 2,970,008, 1–31–61, Cl. 301—1.

Leach, Mark. Vibratory device. 3,009,460, 11–21–61, Cl. 128—33.

Leach, Orrin. Preheaters for heavy fuel oil. 2,976,918, 3–28–61, Cl. 158—36.

Leach, Sam L., to Moving Picture Research Corp. Three dimensional motion picture camera. 3,013,468, 12–19–61, Cl. 88—16.6.

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Leaf, Clyde W., G. E. Hall, Jr., and I. A. Davis, to Wyandotte Chemicals Corp. Continuous calcium carbonate slurry process. 3,006,779, 10–31–61, Cl. 106—306.

Leahy, James F., to United Shoe Machinery Corp. Methods of heel attaching. 2,975,445, 3–21–61, Cl. 12—147.

Leahy, Robert E., to Sperry Rand Corp. Doppler radar receiver. 3,013,261, 12–12–61, Cl. 343—8.

Leahy, William J., and J. A. Draxler, to The Elwell-Parker Electric Co. Industrial truck braking system. 2,974,764, 3–14–61, Cl. 192—2.

Leake, Preston H., and E K. Brakebill, to Allied Chemical Corp. Process for the production of sarcosine and related alkylamino-aceticacids. 3,009,954, 11–21–61, Cl. 260—534.

Leal, John D. Screen wire stretcher. 2,968,324, 1–17–61, Cl. 140—109.

Leaman, Audley B., to United States of America, Navy. Explosive actuator. 2,996,990, 8–22–61, Cl. 102—70.2.

Leaman, Audley B., and N. Czajkowski, to United States of America, Navy. Lateral acceleration switch. 2,980,773, 4–18–61, Cl. 200—61.51.

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Curriston, Loren E., and de Boer. 2,982,510.
De la Tour, Roger B. 2,978,630.
Derylo, Walter F. 2,966,809.
Fallows, Walter J., Jr. 2,992,631.
Garver, Clyde L., Kring, and Nye. 2,966,807.
Hanlet, Jacques M. 3,009,834.
Hausammann, Werner. 2,989,846.
Horton, William F. 2,980,826.
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Johnson, Weldon H. 2,966,977.
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Meyers, Raymond I., and Kramer. 2,967,680.
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Lear, William P., to Lear, Inc. Twin-engine aircraft propeller drive. 2,981,069, 4–25–61, Cl. 60—97.

Learmont, Tom, to Bucyrus-Erie Co. Dragline excavator 2,972,199, 2–21–61, Cl. 37—116.

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Leary, Robert F., and L. W. Bowman, to Esso Research and Engineering Co. Polymerization of butene-1 with catalyst of titanium tetrachloride, aluminum triethyl and diethyl aluminum chloride. 2,983,720. 5–9–61. Cl. 260—93.7.

Leasure, William C. Method and apparatus for packaging. 2,969,627. 1–31–61. Cl. 53—28.

Leatham, Earl, and F. E. Lathe, to Northwest Magnesite Co. Production of dead-burned magnesite. 3,014,806, 12–26–61, Cl. 106—60.

Leather Research Corp.: *See*—
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Kremen, Seymour S., and Southwood. 2,983,567.

Leatherman, Martin. Catalyzed oxygen-producing compositions. 2,970,045. 1–31–61. Cl. 44—3.

Leathers, Clarence H., and V. R. Douglas. Section mill. 3,003,559, 10–10–61, Cl. 166—55.8.

Leavell, Charles. Localized vibration elimination in vibratory structural compositions. 2,985,078. 5–23–61. Cl. 94—18.

Leavitt, Herbert J., to General Electric Co. Method of rendering cellulosic material non-adherent and article produced thereby. 2,985,545. 5–23–61. Cl. 117—143.

Leavitt, Herbert J., to General Electric Co. Method of rendering cellulosic material non-adherent and article produced thereby. 2,985 546. 5–23–61. Cl. 117—143.

Leavitt, Herbert J., to General Electric Co. Rendering cellulosic materials non-adherent. 3,004,871. 10–17–61. Cl. 117—143.

Leavitt, James P. H., to Container Corp. of America. Container for packaging yarn cones. 2,975,892. 3–21–61, Cl. 206—65.

Leavitt, Julian J.: *See*—
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Leavitt, Lyman O., and D. Pitt, to Anchor Boat & Steel Co. Outboard marine drive. 2,979,019. 4–11–61. Cl. 115—34.

Leavitt, William E., to United States of America, Navy. Electrical measuring circuit. 2,988,695. 6–13–61. Cl. 324—82.

Le Baron, Ira M.: *See*—
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Le Baron, Ira M., and G. L. Samsel, to International Minerals & Chemical Corp. Electrostatic separation of isomeric materials. 2,992,728. 7–18–61. Cl. 209—2.

Lebedzinski, Anthony D. Parts and tool kit, as for plumbing parts, tools, and the like. 3,003,618. 10–10–61. Cl. 206—16.

Lebel, Jean D., G. J. Martin, and F. S. Replogle, Jr., to Schlumberger Well Surveying Corp. Signal converting systems. 2,974,315. 3–7–61. Cl. 340—347.

Le Bel, John P. Convertible aircraft. 2,989,269. 6–20–61, Cl. 244—12.

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Lebert, Gerald A., and N. D. Schulze, to Sprague Electric Co. Component holder. 3,014,978. 12–26–61. Cl. 174—52.

Lebert, Herbert A., to MacFarland, Aveyard & Co. Device for removal of tar and other deleterious substances from tobacco smoke. 3,010,458. 11–28–61. Cl. 131—190.

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Achorn, Glenwood B., Jr., Bokesch, Dapper, Lebherz, Schwab, Smith, Rawson, and Metcalfe. 2,981,660.

Le Bihan, Henri, and J. A. R. O. L. Godart, to Societe Belge de l'Azote et des Produits Chimiques du Marly. Production of vinyl chloride. 2,981,764. 4–25–61. Cl. 260—656.

Le Blan, Louis, to North American Philips Co., Inc. Multiplex transmission system for television signals. 2,975,234, 3–14–61. Cl. 178—6.

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Le Blanc, Jacques J. J.: *See*—
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Le Blanc, John R.: *See*—
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Le Blanc, Joseph V., to General Electric Co. Cooled rectifier assembly. 3,011,105, 11–28–61, Cl. 317—234.

Leblanc, Leon, to G. Leblanc Corp. Brace for musical instrument. 2,971,423, 2–14–61, Cl. 84—380.

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Le Blanc, Robert E., to Hamilton Watch Co. Electric wrist watch. 2,995,887, 8–15–61, Cl. 58—28.

Le Blanc, Walter J., to The B. F. Goodrich Co. Measuring brake motor displacement. 2,967,427, 1–10–61, Cl. 73—149.

Le Blond, R. K., Machine Tool Co., The: *See*—
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Carlstedt, Ragnar L. 3,014,384.
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Le Blond, Richard E., and G. E. Ruehrwein, to The R. K. Le Blond Machine Tool Co. Crankshaft lathe and method of operation. 3,013,457, 12–19–61, Cl. 82—9.

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Leboime, Pierre, to Societe Anonyme des Engrenages Minerva. Work positioning system for machine tools. 2,995,989, 8–15–61, Cl. 90—59.

Le Bolt, John M., and S. W. Drigot, to The Cromwell Paper Co. Corrosion-inhibitor packaging material. 3,007,767, 11–7–61, Cl. 21—2.5.

Le Bouef, William A., Sr. Apparatus and method for mill rolling sheet metals to impart a desired cross-section thereto. 3,009,511, 11–21–61, Cl. 153—77.

Lebourg, Maurice P., to Schlumberger Well Surveying Corp. Tubing measuring apparatus using pulse sequences. 2,994,962, 8–8–61, Cl. 33—178.

Lebow, Harvey J. Convertible bench and table in animal form. 3,008,763, 11–14–61, Cl. 297—181.

Le Bras, Jean, and C. Pinazzi, to Societe des Usines Chimiques Rhone-Poulenc. Hydroxymethyl derivatives of resorcinol and their production. 2,982,788, 5–2–61, Cl. 260—621.

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Le Brooy, John P. and P. J. Children's hoops and guide sticks. 2,985,985, 5–30–61, Cl. 46—220.

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Le Bus, Franklin L., Sr., to Le Bus Royalty Co. Thread box tool protector. 2,971,669. 2–14–61. Cl. 220—23.

Le Bus, Franklin, L., Sr., to Le Bus Royalty Co. Pressure bar for cable spooling drums. 2,976,017, 3–21–61, Cl. 254—190.

Le Bus, Franklin L., Sr., to Le Bus Royalty Co. Combined drilling and reaming apparatus. 2,994,389, 8–1–61, Cl. 175—321.

Le Bus, Franklin L., Sr., and C. Ware, to Wash Overshot and Spear Engineers, Inc. Free wheeling wash-over spear mechanism. 3,003,561, 10–10–61, Cl. 166—99.

Le Bus, Franklin L., Sr. Wash-over. spear apparatus 3,005,506. 10–24–61. Cl. 175—315.

Le Bus Royalty Co.: *See*—
Le Bus, Franklin L., Sr. 2,971,669.
Le Bus, Franklin L., Sr. 2,976,017.
Le Bus, Franklin L., Sr. 2,994,389.

Lechene, Leo L. Method of making bristles for street sweeping brooms. 2,980,467. 4–18–61. Cl. 300—21.

Lecher, Hans Z., and F. H. Adams, to American Cyanamid Co. Rubber composition containing an amidine nitrite and method of preparing cellular product therefrom. 2,977,329, 3–28–61, Cl. 260—2.5.

Lecher, Joseph, to Turbo-Jet Milling Co., Inc. Method and apparatus for reducing the size of particles. 3,003,707, 10–10–61, Cl. 241—1.

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Lechtenberg, Leo J., to Briggs & Stratton Corp. Air cleaner. 2,999,562, 9–12–61, Cl. 183—44.

Leclabart, Jean. Device for making flexible strips consisting of a continuous metal wire so wound as to form a plane helical spring. 2,983,301, 5–9–61, Cl. 153—65.

Le Clair, Donald E., to The Chapman Valve Mfg. Co. Sealing means for valve closure. 2,984,449, 5–16–61, Cl. 251—172.

Le Clair, Donald E., and R. H. Reinert, to The Chapman Valve Mfg. Co. Sluice gate. 2,984,074, 5–16–61, Cl. 61—28.

Le Claire, Charles F., to E. I. du Pont de Nemours and Co. Apparatus and process for coating a flexible web. 2,995,469, 8–8–61, Cl. 117—102.

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Leclerc, Armand J. Molded plastic pistol holster. 2,987,229, 6–6–61, Cl. 224—2.

Leclerc, Armand J. Toy gun construction. 2,989,820, 6–27–61, Cl. 46—175.

Leclercq, Rene, and J. Colle, to Union Chimique Belge, S.A. Aqueous emulsion containing organosilicon resin and a titanium derivative, process for making same, and process of using same. 2,970,976. 2–7–61, Cl. 260—29.2.

Lecocq, André, to Société Anonyme des Laminoirs, Hauts-Fourneaux, Forges Fonderies et Usines de La Providence. Binding machine. 2,972,294, 2–21–61, Cl. 100—10.
Le Compte, Frank M., to Tingley Rubber Corp. Molded rubber storm boot. 3,006,084, 10–31–61, Cl. 36—7.3.
Le Cron, Eugene L., Sr. Boat. 2,991,488, 7–11–61, Cl. 9—1.
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Lecullier, Pierre, to Etablissements Ducellier, Societe Anonyme. One-piece storage battery. 2,981,781, 4–25–61, Cl. 136—135.
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Ledbetter, Harvey D.: *See*—
Bartolomeo, Frank A., Ledbetter, and McDuff. 3,004,963.
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Lederer, Michael, H.-H. Frey, and R. Reeber, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of polyvinyl chloride. 2,987,510, 6–6–61, Cl. 260—92.8.
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Lederle, Henry F., to Sinclair Refining Co. Production of methylindane. 2,984,692, 5–16–61, Cl. 260—668.
Lederman, Albert, to Microwave Semiconductor & Instruments Inc. Microwave attenuator or modulator. 2,985,853, 5–23–61, Cl. 333—81.
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Capron, Nicholas J., and Lederman. 2,994,673.
Lederman, Burton E., and R. D. Hamilton, to Chadeloid Corp. Method of filling the pores of wood and resultant article. 2,977,242, 3–28–61, Cl. 117—64.
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Ledger, Anderson G. Portable air driven chain saw. 2,990,858, 7–4–61, Cl. 143—32.
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Endicott, Harold S., and Ledges. 2,977,193.
Ledin, Carl W., W. J. Gorman, and G. E. Engman, to Laboratory for Electronics, Inc. Fluid bearing control for a magnetic head. 3,005,675, 10–24–61, Cl. 346—74.
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Le Doux, Herbert. Cone shaped paper cup dispenser. 3,007,607, 11–7–61, Cl. 221—303.
Le Doux, Herbert C. Muffin and bagel rack for electric toasters. 3,007,393, 11–7–61, Cl. 99—427.
Leduc, René. Hydraulic valve and servo-systems. 2,969,044, 1–24–61, Cl. 121—41.
Leduc, René. Mechanical systems for transmitting control movements. 3,008,336, 11–14–61, Cl. 74—61.
Leduc, René. Servo-controls. 3,008,455, 11–14–61, Cl. 121—41.
Ledwith, Walter A., to United Aircraft Corp. Rocket nozzle tube construction. 3,004,386, 10–17–61, Cl. 60—35.6.
Lee, Aaron, and L. Carl, to Winslow Mfg. Corp. Air pumps. 2,985,358, 5–23–61, Cl. 230—172.
Lee, Alfred R., and E. J. Dickinson. Bituminous road-surfacing materials. 2,973,281, 2–28–61, Cl. 106—284.
Lee, Andrew, to Top-Fab Co. Apparatus for making plastic covered counter tops. 3,012,601, 12–12–61, Cl. 156—583.
Lee, Arnold S. J., to Invengineering, Inc. Method and apparatus for manufacturing potentiometer resistors. 2,989,256, 6–20–61, Cl. 242—9.
Lee, Arthur L., and A. B. Coval, to Consolidation Coal Co Driven steerable wheel assemblies for mine haulage vehicles and braking mechanisms therefor. 2,982,370, 5–2–61, Cl. 180—43.
Lee, Arthur L., and A. B. Coval, to Consolidation Coal Co. Vehicle steering mechanism. 2,993,552, 7–25–61, Cl. 180—79.2.
Lee, Bert E., to Gleason Reel Corp. Portable tower. 2,973,064, 2–28–61, Cl. 189—26.
Lee, Bock W., to Bell Telephone Laboratories, Inc. Selector circuit. 2,991,449 7–4–61, Cl. 340—147.
Lee, Bock W., to Bell Telephone Laboratories, Inc. Monostable circuits. 3,009,069, 11–14–61, Cl. 307—88.5.
Lee, Burton D., to Texaco Inc. Prospecting using gamma ray detection. 2,986,638, 5–30–61, Cl. 250—83.6.
Lee, Burton D., and A. L. Parrack, to Texaco Inc. Method and apparatus for obtaining constant speed drive for low speed recorders. 2,989,596, 6–20–61, Cl. 179—100.2.
Lee, Charles A., to Kimberly-Clark Corp. Method and apparatus for forming webs. 2,995,485, 8–8–61, Cl. 162—214.
Lee, Charles A., to Kimberly-Clark Corp. Papermaking machine. 3,014,833, 12–26–61, Cl. 162—111.
Lee, Chen Y., and D. E. Garrett, to American Potash & Chemical Corp. Production of potassium carbonate by anion exchange. 2,989,370, 6–20–61, Cl. 23—63.
Lee Clay Products Co.: *See*—
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Lee, Clinton W. Rotary gear pump, bearing and sealing means therefor. 3,002,464, 10–3–61, Cl. 103—126.
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Lee, Donald E., to Baldwin-Lima-Hamilton Corp. Materials testing machine. 2,978,900, 4–11–61, Cl. 73—93.
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Wilson, Douglas G., Lee, and Wonn. 2,995,957.
Lee, Edwin S., III: *See*—
Minnick, Robert C., and Lee. 3,007,140.
Lee Engineering Co.: *See*—
Lee, Royal. 2,999,139.
Lee, Royal. 3,009,996.
Lee, Fermin N.: *See*—
MacKenzie, William F., and Lee. 2,994,882.
Lee, Fred G. H.: *See*—
Johnson, Carl E., and Lee. 2,985,662.
Lee, George S., ½ to R. H. Bruns. Tire repair device and method. 2,991,819, 7–11–61, Cl. 152—370.
Lee, Harold D., to C. N. Housh. Pipe fabricating apparatus. 2,985,963, 5–30–61, Cl. 33—21.
Lee, Harold D., to C. N. Housh. Drilling rig and method of extending an upper section of the mast thereof. 2,991,852, 7–11–61, Cl. 189—14.
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Lee, Henry Y. Sectional gearing with lubricating means therefor. 2,972,903, 2–28–61, Cl. 74—468.
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Lee, James M., to New Castle Products, Inc. Trolley cushioning and holding means for suspended closures. 2,990,566, 7–4–61, Cl. 16—87.
Lee, John: *See*—
Gardner, Thomas S., Lee, and Wenis. 3,014,072.
Lee, John C. Pressure-balanced gear pump. 2,998,783. 9–5–61, Cl. 103—126.
Lee, John C., to American Machine and Metals, Inc. Air gauging system with a flapper valve. 3,010,309, 11–28–61, Cl. 73—37.9.
Lee, John C., and A. Forsyte, to M. B. Kallison. Whipping and aerating apparatus. 2,967,700, 1–10–61, Cl. 261—140.
Lee, John M.: *See*—
Schuck, Anthony G. 2,976,610.
Lee, Kenneth D. Car side tent. 2,989,967, 6–27–61, Cl. 135—1.
Lee, Leighton, II, to United States of America, Navy. Compensated carburetor. 2,997,034, 8–22–61, Cl. 123—119.
Lee, Luther E. Apparatus for assembling resilient seals. 2,968,864, 1–24–61, Cl. 29—235.
Lee, Luther E. Selector valve. 2,989,077, 6–20–61, Cl. 137—620.
Lee, Luther E. Thread counter dial valve. 2,989,078, 6–20–61, Cl. 137—620.
Lee, Luther E. Pump. 2,996,014, 8–15–61, Cl. 103—49.
Lee, Luther E. Power-operated tool holder. 3,002,410, 10–3–61, Cl. 82—24.
Lee, Maurice W., Sr. Pressure cooker and smoker. 2,984,171, 5–16–61, Cl. 99—260.
Lee, Norman, to The Keelavite Co. Ltd. Fluid operated reciprocating devices. 3,007,452, 11–7–61, Cl. 121—150.
Lee, Oscar C. Milking machine inflation brushes. 3,004,274, 10–17–61, Cl. 15—56.
Lee, Paul H., to C.G.S. Laboratories, Inc. Adjustable controllable inductor apparatus. 2,967,281, 1–3–61, Cl. 336—134.
Lee, Peter W. Traction device. 3,005,663, 10–24–61, Cl. 301—47.
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Lee, Robert A.: *See*—
Bang, Bernhard A., Dill, and Lee. 2,988,644.
Lee, Robert J., to Standard Oil Co. Permeation process using irradiated polyethylene membrane. 2,984,623, 5–16–61, Cl. 210—23.
Lee, Robert M., to The Bendix Corp. Digit-shifting memory system. 3,007,642. 11–7–61, Cl. 235—164.
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Shaw, Burton E., and Lee. 2,985,094.
Shaw, Burton E., and Lee. 3,003,410.
Lee, Royal, to Lee Engineering Co. Centrifugal switch devices. 2,999,139, 9–5–61, Cl. 200—80.
Lee, Royal, to Lee Engineering Co. Adjustable motor speed governors. 3,009,996, 11–21–61, Cl. 200—80.
Lee, Royal. Synchronous dynamo-electric machines. 3,014,142, 12–19–61, Cl. 310—162.
Lee Rubber & Tire Corp.: *See*—
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Lee, Russell W. Trailer lift. 3,002,760, 10–3–61, Cl. 280—43.23.
Lee, Sam H.: *See*—
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Lee, Shih-Ying, to Research Corp. Flow control valve having suspended movable valve element. 2,997,067, 8–22–61, Cl. 137—623.

Lee, Thomas H., to General Electric Co. Arc extinguishing structure for an electric circuit interrupter. 2,976,382, 3–21–61, Cl. 200—144.

Lee, Thomas H., to General Electric Co. Contact structure for a vacuum type circuit interrupter. 3,008,022, 11–7–61, Cl. 200—144.

Lee, Thomas H., and J. D. Cobine, to General Electric Co. Vacuum type circuit interrupter. 2,975,256, 3–14–61, Cl. 200—144.

Lee, Walter F. Spring urged chopaticks. 2,997,328, 8–22–61, Cl. 294—99.

Lee, William H. Homopolar generator. 2,990,485, 6–27–61, Cl. 310—178.

Lee, Willin C. Solar portable stove and pressure cooker. 2,994,318, 8–1–61, Cl. 126—270.

Lee, Wing J. Collar block for shirt folding machine. 2,983,411, 5–9–61, Cl. 223—52.1.

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Huefled, Homer C., and Gilchrist. 2,977,491.

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Leech, Robert E., and J. E. Knap, to Union Carbide Corp. Process for the production of organo sulfur compounds. 2,998,455, 8–29–61, Cl. 260—608.

Leech, Robert E., and J. E. Knap, to Union Carbide Corp. Process for the production of organo sulfur compounds. 3,012,077, 12–5–61, Cl. 260—608.

Leech, Stanley. Fishing alarm with releasable line storing mechanism. 3,012,353, 12–12–61, Cl. 43—17.

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Leeds, Morton W., and R. J. Tedeschi, to Air Reduction Co., Inc. Process for the production of olefinic carbinols. 2,989,567, 6–20–61, Cl. 260—631.

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Kraftson, Harry A. 2,987,921.
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Leeford (London) Ltd.: *See*—
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Leeg, Kenton J., D. A. Yeomans, and W. E. Ripley, Jr., of small interests to various assignees. High temperature resistant materials containing boron and method of manufacture thereof. 2,992,960, 7–18–61, Cl. 154—128.

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Leeman, Jan N. J., to Stamicarbon N.V. Process and apparatus for separating mixtures of solid particles. 2,984,355, 5–16–61, Cl. 209—172.5.

Leeman, Jan N. J., to Stamicarbon N.V. Process for purifying a suspension of fine magnetizable particles in a liquid. 2,998,882, 9–5–61, Cl. 209—172.5.

Leeman, Jan N. J., to Stamicarbon N.V. Apparatus for separating particles according to specific gravity. 3,007,573, 11–7–61, Cl. 209—172.5.

Leeman, Royal C.: *See*—
Baur, Leslie L., Gardafee, Kuester, Larson, Putzer, and Leeman. 2,998,891.

Leeper, Charles K., to United States of America, Navy. Fuel control system. 2,995,891, 8–15–61, Cl. 60—35.6.

Leeper, Charles K., to United States of America, Navy. Ram jet fuel control. 2,996,878, 8–22–61, Cl. 60—35.6.

Leeper, Gurny B., Sr. Revolving patio awnings. 2,974,449, 3–14–61, Cl. 50—50.

Leeper, Robert W., and V. C. Fusco, to Olin Mathieson Chemical Corp. Method for promoting the flowering of pineapple plants. 2,976,139, 3–21–61, Cl. 71—2.7.

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Ballard, Hyde W. 2,997,009.
Benedict, Ulman H. 2,979,023.
Berry, Charles C. 2,986,867.
Burnell, David G. 2,981,048.
Burnell, David G. 2,995,316.
Cutten, William K., and McNutt. 2,979,934.
Cutten, William K., and McNutt. 2,997,871.
Gebert, Russell C., Klein, and Smiley. 2,977,660.
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Lees, James, and Sons Co.: *See*—Continued
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Mays, Samuel R., and Worth. 2,973,784.
Nowicki, Henry F. 2,985,942.
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Lees, Richard W.: *See*—
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Lees, Robert, to United States of America, Navy. Apparatus for retrieving. 2,985,896, 5–30–61, Cl. 9—14.

Lees, Robert, to All American Engineering Co. Track for high speed acceleration sleds. 3,013,725, 12–19–61, Cl. 238—2.

Lees, Sidney. Integrating accelerometer with viscous drag pump. 2,975,641, 3–21–61, Cl. 73—503.

Lees, Sidney. Integrating angular accelerometer. 2,983,149, 5–9–61, Cl. 73—503.

Lees, Sidney. Null type integrating accelerometer. 2,988,920, 6–20–61, Cl. 73—503.

Lees, Sidney. Accelerometer. 3,008,334, 11–14–61, Cl. 73—503.

Leeson, Lewis J., S. A. Muller, and G. M. Sieger, to American Cyanamid Co. Process for the purification of cis-16,17-dihydroxy steroids. 3,005,839, 10–24–61, Cl. 260—397.45.

Leeson, Meldon G., to Borg-Warner Corp. Ice making machine. 2,983,109, 5–9–61, Cl. 62—73.

Leesona Corp.: *See*—
Goodhue, William V., and Higgins. 3,012,734.
Laudon, Herbert, and Tuerck. 2,989,638.
Keith, John V. 2,990,603.
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Langan, Jeremiah E. 2,972,112.
Morton, Robert E. 2,997,073.
Perdreaux, Rene J., Jr., and Wallack. 3,005,942.
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Steele, Carlton A. 2,997,017.
Whiting, Theodore A. 2,969,888.

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Leffler, Ralph R., and H. A. Knight, to Westinghouse Air Brake Co. Pulsation dampener device and mandrel for use therein. 3,004,560, 10–17–61, Cl. 138—30.

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Leflet, Herbert A., Jr., to Libbey-Owens-Ford Glass Co. Method and apparatus for cleaning and bending glass sheets. 2,985,986, 5–30–61, Cl. 49—7.

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Leflon, Henry. Fasteners for conveyor belts and the like. 3,010,168, 11–28–61, Cl. 24—33.

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Legator, Marvin, to Shell Oil Co. Inhibiting growth of bacteria in water flooding process. 2,987,475, 6–6–61, Cl. 252—8.55.

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Lehmann, Jules, to Radio Corp. of America. Automatic alignment system. 2,978,647, 4–4–61, Cl. 330—2.

Lehmann, Rudolf, A. Wiemer, and H. Voigt, to Deutsche Akademie der Wissenschaften zu Berlin. Pneumatic instrument for linear measurement. 2,981,094, 4–25–61, Cl. 73—37.5.

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Leibrook, Walton V., and G. A. Fasold, to The Philip Carey Mfg. Co. Self sealing asphalt shingles. 3,003,289, 10–10–61, Cl. 50—103.

Leiby, Dayton O., to DCA Food Industries Inc. Apparatus and method for deep frying. 3,013,485, 12–19–61, Cl. 99—355.

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Leigh, Thomas, to Imperial Chemical Industries Ltd. New organic compounds. 2,991,318, 7–4–61, Cl. 260—666.

Leighton, Francis, to Hydro-Aire Co. Leak sealing valve for fluid brake systems. 3,010,469, 11–28–61, Cl. 137—118.

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Leighton, Geoffrey J., to Canadian Curtiss-Wright, Ltd. Servosystem for controlling the mass content of a product. 2,979,649, 4–11–61, Cl. 318—480.

Leighton, Philip S.: *See*—
Frost, Frederick H., and Leighton. Re. 25,039.

Leighton, Thomas C., to Hycon Mfg. Co. Stabilizer gimbals. 2,967,430, 1–10–61, Cl. 74—5.

Leighton, Thomas C., L. F. Brunswick, and L. H. Wheeler, to Colorvision, Inc. Means for producing color separation images. 2,982,173, 5–2–61, Cl. 88—16.4.

Leighton, Thomas C., and A. Nuut, to Hycon Mfg. Co. Stereoplotter. 3,004,464, 10–17–61, Cl. 88—14.

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Leijonmarck, Sven: *See*—
Johanson, Karl L. B. 2,981,420.
Leilich, Hans-Otto: *See*—
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Leiman, Samuel K. Fluid valve structures. 3,009,478, 11–21–61, Cl. 137—609.
Leimbach, John G., to Sporlan Valve Co. Refrigeration system and control. 3,014,351, 12–26–61, Cl. 62—197.
Leimbach, John G., to Sporlan Valve Co. Refrigeration control with means to limit compressor load. 3,014,352, 12–26–61, Cl. 62—197.
Leimkuhler, Edward J. Switch device. 3,014,136, 12–19–61, Cl. 307—64.
Leiner, George S., & Co.: *See*—
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West, Charles P., Leiner, and Saltzman. 3,006,893.
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Leiser, Oscar R.: *See*—
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Leisey, Frank A., to Standard Oil Co. Light transmissivity control instrument. 2,967,946, 1–10–61, Cl. 250—218.
Leisey, Frank A., to Standard Oil Co. Method and apparatus for automatic titration and process control. 2,989,377, 6–20–61, Cl. 23—230.
Leisibach, Franz X., to Firma Aluco-Bauelemente-Patentgesellschaft. Double-glazed assemblies for windows and doors. 2,993,242, 7–25–61, Cl. 20—56.5.
Leiss, Abraham, J. H. Judd, and R. S. Freeman, to United States of America, National Aeronautics and Space Administration. Air frame drag balance. 3,001,395, 9–26–61, Cl. 73—147.
Leiss, Emil, to Lever Bias Machine Corp. Releasable work holding device. 2,985,459, 5–23–61, Cl. 279—110.
Leissner, William R., to Dynex, Inc. Check valve guide and stop. 3,002,528, 10–3–61, Cl. 137—539.
Leissner, William R., to Applied Power Industries, Inc. Hydraulic pump valve spacer. 3,009,423, 11–21–61, Cl. 103—225.
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Leistner, William E., A. C. Hecker, and O. H. Knoepke, to Argus Chemical Corp. Polyvinyl chloride stabilizer combinations of phosphorus acid with triphosphites and heavy metal salts. 2,997,454, 8–22–61, Cl. 260—45.8.
Leitch, Ernest D. Devices for weaning young animals. 2,990,810, 7–4–61, Cl. 119—131.
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Leitner, George J., to Heyden Newport Chemical Corp. Solubilized metal salts of N-nitroso N-aryl-hydroxyl amines. 2,991,222, 7–4–61, Cl. 167—30.
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Maifeld, Otto. 2,977,848.
Maifeld, Otto. 3,010,363.
Mandler, Walter. 2,978,950.
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Weissenberg, Gustav, and Meinert. 2,996,391.
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Leitzel, Ammon M., to Pacific Pulp Molding Co. Pulp molding method and apparatus. 2,990,314, 6–27–61, Cl. 162—220.
Leja, Casimir E., to Komfort King Seats, Inc. Resilient seat support. 2,985,227, 5–23–61, Cl. 155—51.
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Le Lacheur, Angus G. Intrinsically safe switching system. 2,974,261, 3–7–61, Cl. 317—149.
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Le Lan, Armand M., to H. Ernault-Batignolles S.A. Safety control mechanism for machine tools. 2,982,259, 5–2–61, Cl. 121—45.
Leland, Gerald H., and O. F. Davis, deceased (by M. A. Davis, executrix), to Ledex, Inc. Rotary actuators. 2,973,748, 3–7–61, Cl. 121—48.
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Lemaire, Jacques, to Aktiengesellschaft Brown, Boveri & Cie. Process for making laminated magnetic cores. 2,976,605, 3–28–61, Cl. 29—155.61.
Leman, Arthur L., to Southwest Oilfield Products, Inc. Reciprocating pump cylinder head and liner retainer. 2,981,575, 4–25–61, Cl. 309—3.
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Lemche, Johan H., to Carl Allers Etablissement A/S. Method of and means for photographing a reproduction original consisting of cards in a scale-like arrangement. 3,003,392, 10–10–61, Cl. 88—24.
Lemelson, Jerome H. Ultrasonic apparatus. 2,980,123, 4–18–61, Cl. 134—184.
Lemelson, Jerome H. Noisemaking toys. 2,988,848, 6–20–61, Cl. 46—180.
Lemelson, Jerome H. Extrusion apparatus. 3,002,615, 10–3–61, Cl. 207—2.
Lemelson, Jerome H. Beam tube having selective switching means. 3,003,109, 10–3–61, Cl. 328—64.
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Lemi, Francisco B. Fishing rod holder. 3,006,588, 10–31–61, Cl. 248—39
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Lemiszka, Theodore, and J. E. Shewmaker, to Esso Research and Engineering Co. High unsaturation irradiated butyl rubber. 2,982,706, 5–2–61, Cl. 204—154.
Lemiszka, Theodore, L. S. Minckler, Jr., and D. L. Cottle, to Esso Research and Engineering Co. Vulcanizable halogenated butyl rubber composition containing mercaptobenzothiazole and process of vulcanizing same. 2,992,202, 7–11–61, Cl. 260—41.5.

Lemke, Lester H., and F. N. Kuliga. Carrier for containers having undercut tops. 2,992,847, 7–18–61, Cl. 294—31.2.
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Lemley, Leon E. Auxiliary body for wagon vehicles. 2,984,514, 5–16–61, Cl. 296—14.
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Lemmerman, Richard D., and J. H. Glidard, to Koppers Co., Inc. Sound attenuating device. 3,011,584, 12–5–61, Cl. 181—52.
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Lemmerz, Paul. Wheel rim for tubeless tires. 3,009,501, 11–21–61, Cl. 152—410.
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Lempicki, Alexander, to Sylvania Electric Products Inc. Detector. 2,995,660, 8–8–61, Cl. 250—83.3.
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Lenci, Louis J., Jr., and C. A. Davis. Reversible ratchet socket wrench head. 2,993,396, 7–25–61, Cl. 81—63.
Lendle, Siegfried, and S. R. Bond, to Levolor Lorentzen, Inc. Box having removable and replaceable cover. 2,975,932, 3–21–61, Cl. 220—55.
Lenehan, Bernard E., to Westinghouse Electric Corp. Electrical measuring instrument. 2,970,268, 1–31–61, Cl. 324—147.
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Lengsfield, Byron H.: *See*—
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Bernstein, Seymour, and Lenhard. 2,990,415.
Lenhart, Herbert S., to Fuller Co. Harvesting method and apparatus. 2,993,598, 7–25–61, Cl. 209—135.
Lenhart, Herbert S., to Fuller Co. Unloading and conveying apparatus. 3,009,744, 11–21–61, Cl. 302—49.
Lenigan, Thomas E., to United States of America, Army. Pulse position error detector. 3,005,165, 10–17–61, Cl. 331—11.
Leniz, Joe A. Combination thumb tack dispenser and applicator. 3,009,155, 11–21–61, Cl. 1—46.
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Lennemann, Leona M. Support. 2,967,038, 1–3–61, Cl. 248—205.
Lennemann, Leona M. Dress-supporting form. 2,980,916, 4–25–61, Cl. 2—215.
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Lennox, George C., to The Bryant Electric Co. Wiring device. 3,002,171, 9–26–61, Cl. 339—52.
Lennox, George C., to The Bryant Electric Co. Retractable lampholder. 3,002,172, 9–26–61, Cl. 339—52.
Lennox, George C., to The Bryant Electric Co. Weatherproof lamp holders for fluorescent lamps. 3,005,971, 10–24–61, Cl. 339—94.
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Bierwirth, Henry C., and Rutgers. 3,001,606.
Bierwirth, Henry C., and Rutgers. 3,009,408.
Bierwirth, Henry C., and Rutgers. 3,014,704.
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Van Beest, Adolf C., and Le Nobel. 2,980,606.
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Lensner, Herbert W., to Westinghouse Electric Corp. Carrier relaying system. 2,973,457, 2–28–61, Cl. 317—27.
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Lentz, Billy J., J. F. McElderry, Jr., and F. A. McCoy, to Ethyl Corp. Purification of tetraethyllead. 2,999,054, 9–5–61, Cl. 202—69.
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Lentz, Hermann, to Alfred H. Schutte. Cutting tool and means for positioning the later. 2,984,130, 5–16–61, Cl. 77—58.
Lentze, Felix, to Licentia Patent-Verwaltungs G.m.b.H. Device for photoelectrically scanning webs. 3,005,916, 10–24–61, Cl. 250—219.
Lenz, Carl, to Westinghouse Electric Corp. Packaging apparatus. 2,998,687, 9–5–61, Cl. 53—236.
Lenz, Carl, and N. G. Johnston, to Westinghouse Electric Corp. Holding means for support-wire inserting device. 2,968,479, 1–17–61, Cl. 269—189.
Lenz, Emory W., to Trico Products Corp. Windshield cleaner. 3,009,186, 11–21–61, Cl. 15—250.35.
Lenz, Frank B., and W. W. Haerther, Jr., to Hawley Products Co. Sound reproducing and transmitting devices. 3,002,781, 10–3–61, Cl. 296—1.
Lenz, Hans-Joachim, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Process for coloring shaped structures of polyolefins and copolymers of olefins. 3,009,760, 11–21–61, Cl. 8—4.
Lenzini, Aristeo. Suspended bag filters. 3,011,645, 12–5–61, Cl. 210—328.
Leo, Anthony R. Golf training device. 2,995,376, 8–8–61, Cl. 273—186.
Leon, Howard. Segregator. 2,969,153, 1–24–61, Cl. 211—49
Leon, John, to Sorensen & Co., Inc. Single phase to three phase converter. 2,968,757, 1–17–61, Cl. 321—58.
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Leon, Salvatore J., to The New Haven Board & Carton Co. Carton connector. 2,973,128, 2–28–61, Cl. 229—15.
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Leonard, Cullman K., to United States of America, Air Force. Electromagnetic control of current flow. 2,972,071, 2–14–61, Cl. 310—94.
Leonard, Edward C., Jr.: *See*—
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Leonard, Eugene, to Curtiss-Wright Corp. Program device. 2,991,453, 7–4–61, Cl. 340—172.5.
Leonard, George E. Wall form tie rod. 2,992,468, 7–18–61, Cl. 25—131.
Leonard, George H., ⅓ to A. D. Cunnings, ⅓ to S. D'Ariano, and ⅓ to G. Shongut. Remote control device. 3,003,358, 10–10–61, Cl. 74—116.
Leonard, George H., and W. F. Huck; said W. F. Huck, d.b.a. Huck Co. Record processing machine. 2,993,483, 7–25–61, Cl. 101—19.
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Leonard, Henderson G. Scaffold hanger. 2,980,384, 4–18–61, Cl. 248—324.
Leonard, Henry K., and A. M. Donofrio. Closures for dispensing containers. 2,982,448, 5–2–61, Cl. 222—153.

Leonard, James H., to I-T-E Circuit Breaker Co. Bi-metal actuated bi-metal shunt. 2,989,605, 6–20–61, Cl. 200—88.

Leonard, Joe H. Method and apparatus for measuring liquid flow-volume. 3,001,397, 9–26–61, Cl. 73—194.

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Leonard, Leslie G. A., and C. Smith, to United Gas Industries Ltd. Meat-stuffing machine. 2,977,732, 4–4–61, Cl. 53—124.

Leonard, Lloyd H. Method of and apparatus for lifting preformed slabs. 2,975,560, 3–21–61, Cl. 50—80.

Leonard, Louis H., Jr., to Carrier Corp. Absorption refrigeration systems. 2,983,110, 5–9–61, Cl. 62—101.

Leonard, Louis H., Jr., to Carrier Corp. Control arrangement for absorption refrigeration systems. 2,984,990, 5–23–61, Cl. 62—103.

Leonard, Louis H., Jr., to Carrier Corp. Method of operation of an absorption refrigeration system. 3,014,349, 12–26–61, Cl. 62—85.

Leonard, Merrill G.: *See*—
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Leonard, Merrill G., and J. A. Guidosh, to United States of America, Navy. Control devices. 2,989,921, 6–27–61, Cl. 102—18.

Leonard, Ralph N., to The Radion Corp. Television receiving antenna. 2,979,720, 4–11–61, Cl. 343—805.

Leonard, Richard H., to General Electric Co. Condenser construction for clothes dryers. 3,012,333, 12–12–61, Cl. 34—75.

Leonard, Robert H.: *See*—
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Leonard, Royal. Nursing bottle. 2,987,209, 6–6–61, Cl. 215—11.

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Leonard, Wallace O., Inc.: *See*—
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Leonard, William F., to Clark Equipment Co. Shifter mechanisms for multi-shift transmissions. 2,969,687, 1–31–61, Cl. 74—335.

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Diehm, Kenneth F., and Leonard. 2,978,771.

Leonard, William T., and K. F. Diehm, to I. Constant. Process for inserting concealed slide fastener in cloth article. 2,972,751, 2–28–61, Cl. 2—265.

Leonard, William T., and K. F. Diehm, to I. Constant. Sewing machine for concealed slide fasteners. 3,006,301, 10–31–61, Cl. 112—260.

Leonardi, Samuel J., and E. A. Oberright, to Socony Mobil Oil Co., Inc. Mineral oil composition. 3,012,967, 12–12–61, Cl. 252—48.2.

Leonardo, Stephen V., ½ to K-G Electronics Corp. Portable table. 2,982,591, 5–2–61, Cl. 311—110.

Leonardson, Victor E.: *See*—
Flodstrom, Albert C., and Leonardson. 2,973,679.

Leone, Adolph A., and J. T. Polese, to L. L. Epstein. Locking coin box. 2,973,139, 2–28–61, Cl. 232—15.

Leone, Otto J. Dew point indicator. 2,979,950, 4–18–61, Cl. 73—336.5.

Leone, Salvatore J., to The New Haven Board and Carton Co. Holder for cards or plates and method of making it. 2,989,189, 6–20–61, Cl. 211—41.

Leone, Salvatore J., to The New Haven Board & Carton Co. Shipping and display cartons. 3,009,565, 11–21–61, Cl. 206—45.14.

Leone, Salvatore J., to The New Haven Board & Carton Co. Holster carton. 3,009,620, 11–21–61, Cl. 229—8.

Leone, Salvatore J., to The New Haven Board and Carton Co. Display cartons. 3,009,622, 11–21–61, Cl. 229—16.

Leonhardt, Charles G., to Acoustica Associates, Inc. Apparatus for ultrasonic cleaning. 2,994,332, 8–1–61, Cl. 134—184.

Leonhardt, Charles G., and B. E. Baldwin; said Leonhardt assor to Acoustica Associates, Inc., and said Baldwin assor. to American Hospital Supply Corp. Ultrasonic cleaner. 3,007,478, 11–7–61, Cl. 134—57.

Leon's Sausage Co.: *See*—
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Leopold, Bengt: *See*—
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Leopold, Wilbur R., Jr., and J. J. Smith, to Mueller Co. Rotary plug valve. 2,994,341, 8–1–61, Cl. 137—382.

Lepage, Urbain & Cie: *See*—
Dossin, Victor. 2,968,598.

Le Peer, Clarence M.: *See*—
Linker, Edward A., and Le Peer. 2,967,608.

Lepetich, Joseph E.: *See*—
Peickil, Vasalie L., and Lepetich. 2,985,475.

Lepetit S.p.A.: *See*—
Margalith, Pinhas, and Sensi. 2,988,490.
Melone, Gaetano, and Vecchi. 2,993,834.
Teotino, Uberto, and Maffii. 3,005,827.
Testa, Emilio. 3,006,951.

Lepley, Allen E.: *See*—
Parkinson, David B., Roberts, Haner, and Lepley. 2,990,535.

Le Poole, Jan B., to North American Philips Co., Inc. Method of examining the quality of electron-optical images and devices for carrying out this method. 2,986,634, 5–30–61, Cl. 250—49.5.

Le Pore, Amelio F.: *See*—
Naxon, William I., Le Pore, Eddy, and D'Angelo. 2,969,107.

Lepoutre, Raymond, and G. L. Martin, to Societe des Raffineries & Sucreries Say. Drive arrangement for driving a rotatable member in short intervals at high and low speeds. 2,984,965, 5–23–61, Cl. 60—6.

Lepper, Wilhelm. Compensation of unbalance in centrifugal machines. 2,968,970, 1–24–61, Cl. 74—573.

Leppert, John E., to Colloid Chemical Laboratories, Inc. Cashew nut shell liquid material modified epoxy resin compositions. 2,985,622, 5–23–61, Cl. 260—46.

Leppert, Melvin L. Broadband discage antenna. 3,001,194, 9–19–61, Cl. 343—792.

Lepreau, Eugene J., to Geo. B. Hart, Inc. Apparatus for wetting absorbent bodies for moistening and supporting plant parts. 3,010,460, 11–28–61, Cl. 134—135.

Leptrone, Samuel. Locking device for toilet seat covers. 2,996,731, 8–22–61, Cl. 4—253.

Le Queau, Roger L. M., to International Standard Electric Corp. Telephone systems. 3,008,010, 11–7–61, Cl. 179—27.

Le Ray, Roger. Three-dimensional cinematography. 2,996,949, 8–22–61, Cl. 88—16.6.

Lerbs, Alfred, to Compagnie Generale de Telegraphie Sans Fil. Velocity modulation tubes. 2,972,701, 2–21–61, Cl. 315—5.27.

Lerbs, Alfred, and D. Reverdin, to Compagnie Generale de Telegraphie Sans Fil. Travelling wave tubes. 2,992,354, 7–11–61, Cl. 315—3.5.

Lerbs, Helimut: *See*—
Heintzmann, Hans F., Selz, Blenkle, and Lerbs. 3,012,546.

Lerch, Josef: *See*—
Wünsche, Adolf, and Lerch. 2,970,584.

Lerch, Loren W.: *See*—
Mordick, William M., and Lerch. 2,977,894.

Lermont, Basil, to American Machine and Metals, Inc. Method of making springs. 3,007,239, 11–7–61, Cl. 29—173.

Lerner, Bernard, to Custom-Made Paper Bag Co., Inc. Method of and apparatus for producing thumb-notched bag lengths, each notch being confined to one wall of each bag length. 2,973,697, 3–7–61, Cl. 93—8.

Lerner, Bernard J., to Gulf Research & Development Co. Process for recovery of niobium. 3,003,867, 10–10–61, Cl. 75—121.

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Ellman, Julius, and Lerner. 3,010,248.

Lerner, Harry H. Emulsion coating and method of preparation. 3,012,886, 12–12–61, Cl. 96—33.

Lerner, Hershey, to Inventions Management Corp. Industrial tacker. 3,009,156, 11–21–61, Cl. 1—48.

Lerner, Hershey, to Inventions Management Corp. Staple element cartridge. 3,009,618, 11–21–61, Cl. 226—162.

Lerner, Julius, to Sun Oil Co. Apparatus for surveying a tank bottom. 2,971,154, 2–7–61, Cl. 324—61.

Lerner, Julius, to Sun Oil Co. Interface detection in deep holes. 2,973,477, 2–28–61, Cl. 324—61.

Lerner, Julius, and H. L. Bachofer, to Sun Oil Co. Compensating capacitor for liquid level measurement. 2,974,526. 3–14–61. Cl. 73—304.

Lerner, Leonard J.: *See*—
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Pan, Samuel C., and Lerner. 3,010,878.
Welsenborn, Frank L., Lerner, and Laskin. 3,005,018.

Lerner, Leonard J., A. I. Laskin, and F. L. Welsenborn, to Olin Mathieson Chemical Corp. Synthesis of steroids. 3,005,017, 10–17–61, Cl. 260—488.

Lerner, Louis L., to The Gillette Co. Hair tress gauge. 3,010,459, 11–28–61, Cl. 132—148.

Lerner, Louis L., to The Gillette Co. Multi-compartment container. 3,012,695, 12–12–61, Cl. 222—129.

Lerner, Louis L., S. R. Goff, and A. Safianoff, to The Gillette Co. Hair curler. 2,966,913, 1–3–61, Cl. 132—41.

Lerner, Louis L., and A. Safianoff, to The Gillette Co. Liquid dispensing applicator. 2,975,465, 3–21–61, Cl. 15—569.

Lerner, Nathan B., to W. Braun Co. Cap or closure for containers or tubes. 2,969,896, 1–31–61, Cl. 222—520.

Lerner, Samuel. Reinforced concrete structure. 3,003,290, 10–10–61, Cl. 50—407.

Lerner, Seymour: *See*—
Baer, Maurice, Tweed, Lerner, and Jablansky. 3,000,720.

Le Ronax, Robert K., to Cameron Iron Works, Inc. Valve. 2,986,367, 5–30–61, Cl. 251—1.

Leroux, René. Vessels for the transport of liquefied gases. 2,970,559, 2–7–61, Cl. 114—74.

Leroux, Rene. Ships designed for the transport of liquefied gases. 3,004,509, 10–17–61, Cl. 114—74.

Le Roy, Norman R., to California Research Corp. Producing alkylate of reduced copper corrosivity. 3,014,794, 12–26–61, Cl. 44—76.

Leroy, Pierre, and R. Simon, to Institut de Recherches de la Siderurgie. Process for the continuous pre-refining of molten pig iron. 2,975,047, 3–14–61, Cl. 75—59.

Les Files de Calais: *See*—
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Les Laboratoires Francais de Chimiotherapie: *See*—
Allais, André, and Girault. 2,995,585.
Allais, Andre, and Hoffmann. 3,006,928.
Amiard, Gaston, and Heymes. 3,005,816.
Bucourt, Robert, and Joly. 2,996,508.
Jolly, Jean, and R. Joly. 2,988,552.
Joly, Robert, Bucourt, and Warnant. 2,977,366.
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Larde, Raymond. 2,980,588.
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Muller, Georges. 2,989,522.
Muller, Georges, Bardoneschi, and Jolly. 3,007,923.
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Poincet, Francois X. 2,993,840.

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Lesavoy, Ely. Unitary insert structure for shirts and the like. 3,009,161, 11–21–61, Cl. 2—115.

Lescelius, Toivo J.: *See*—
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Lesche, Joachim: *See*—
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Lescisin, George A., to Union Carbide Corp. Process for the production of substituted imidazolines. 2,992,230, 7–11–61, 260—309.6.

Lescroel, Yves C.: *See*—
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Pierrot, Andre, Lescroel, and Grabowski. 2,970,112.

Leshin, Joseph, to Calumet Mfg. Co., Inc. Fluid dispenser with ball applicator. 2,968,826, 1–24–61, Cl. 15—132.7.

Leshin, Joseph, to Calumet Mfg. Co., Inc. Container-dispenser for cosmetics in solid stick form. 2,980,246, 4–18–61, Cl. 206—56.

Leshin, Richard, to The Goodyear Tire & Rubber Co. Vulcanization of butyl rubber with 2,6-dimethylol-3,5-dimethyl-4-chlorophenol, and vulcanizate obtained thereby. 2,987,497, 6–6–61, Cl. 260—43.

Lesk, Israel A., to General Electric Co. Semiconductor devices and methods of making same. 2,977,256, 3–28–61, Cl. 148—1.5.

Leslie, Albert. Weather vanes. 3,010,315, 11–28–61, Cl. 73—188.

Leslie Co.: *See*—
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Soderberg, Sten, and Muller. 3,009,678.
Soderberg, Sten, and Schiller. 2,989,982.

Leslie, Donald J. Vibrato-oscillator for electronic organs or the like. 2,994,240, 8–1–61, Cl. 84—1.25.

Leslie, Donald J. Rotary tremolo device having means for mixing signals emanating from rotary and non-rotary sources. 2,995,054, 8–8–61, Cl. 84—1.25.

Leslie, Donald J. Derivative voltage regulation circuit. 3,005,162, 10–17–61, Cl. 328—267.

Leslie, Donald J. Mercury slip ring assembly. 3,014,192, 12–19–61, Cl. 339—5.

Leslie, Edward S., to Radio Corp. of America. Automatic adjustable film support for magnetic recorder. 2,971,064, 2–7–61, Cl. 179—100.2.

Leslie, Eugene H., to Blaw-Knox Co. Direct-fired heat kettle. 3,002,822, 10–3–61, Cl. 23—290.5.

Leslie, Eugene H. System for beneficiating gravel and the like. 3,004,665, 10–17–61, Cl. 209—119.

Leslie, Ivan A. Feeding mechanism of sewing machines. 2,996,024, 8–15–61, Cl. 112—210.

Leslie, Ivan A. Portable sewing machines. 3,007,426, 11–7–61, Cl. 112—258.

Leslie, Ivan A. Sewing machines. 3,012,532, 12–12–61, Cl. 112—258.

Leslie, James D.: *See*—
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Griswold, Charles J., Jr., and Leslie. 2,992,032.

Leslie, James D., to General Motors Corp. Self-closing lock striker. 2,981,561, 4–25–61, Cl. 292—341.13.

Leslie, James D., and A. B. Sauer, to General Motors Corp. Pivoted window regulator. 2,969,976, 1–31–61, Cl. 268—118.

Leslie, John W.: *See*—
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Leslie, William C., and R. L. Rickett, to United States Steel Corp. Method of making sheets with elongated grain structure from rimmed steel. 2,986,483, 5–30–61, Cl. 148—12.

Leslie, William H. P., to National Research Development Corp. Motor control system. 2,996,649, 8–15–61, Cl. 318—314.

Leslie-Smith, Laurance. Vacuum flasks. 3,000,525, 9–19–61, Cl. 215—13.

Lesman Corp.: *See*—
Searles, Fred N., and Studemann. 2,983,178.

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Lesser, Bertrand R. Decorative hand grip connectors for double tubular arm rests. 2,968,342, 1–17–61, Cl. 155—198.

Lesser, David K. Method of applying a coating. 2,978,354, 4–4–61, Cl. 117—47.

Lessig, Roland, and W. S. Powell, to Burroughs Corp. Read-out apparatus for line selection mechanism. 2,995,365, 8–8–61, Cl. 271—53.

Lessing, Edward: *See*—
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Lessing, Walter B.: *See*—
Meiners, Carl O., and W. B. and H. W. Lessing. 2,991,639.

Lesslie, Thomas E., to Monsanto Chemical Co. Alkylene-bis(thionocarbamates). 3,012,053, 12–5–61, Cl. 260—455.

Lesslie, Thomas E., and R. J. O'Neill, to Monsanto Chemical Co. Long chain alkenyl chlorides. 3,003,004, 10–3–61, Cl. 260—654.

Lesslie, Thomas E., and R. J. O'Neill, to Monsanto Chemical Co. Alkenyl polyamines. 3,008,993, 11–14–61, Cl. 260—583.

Lessly, Oswald E. Hydraulic braking apparatus. 2,981,380, 4–25–61, Cl. 188—90.

Lessner, Richard C., and E. P. Kochale, Jr., to Thomas Industries, Inc. Lighting fixture closure means. 3,004,147, 10–10–61, Cl. 240—147.

Lessner, William J., to B. S. Gerson. Flasher switch. 2,977,440, 3–28–61, Cl. 200—113.

Lessoff, Howard, to Radio Corp. of America. Method for preparing nickel-zinc ferrites. 3,009,880, 11–21–61, Cl. 252—62.5.

Lestakis, Christy N. Means for pulling thread in a shoe stitching machine. 2,986,104, 5–30–61, Cl. 112—57.

Lester, Lawson L., Jr. Prefabricated door. 2,997,750, 8–29–61, Cl. 20—11.

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Lester, Robert W. Prestressed load-bearing beam structure. 2,986,246, 5–30–61, Cl. 189—37.

Lester, Robert W. Supporting frame for false ceilings, fixtures and the like. 3,003,602, 10–10–61, Cl. 189—36.

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Lesti, Arnold, to International Standard Electric Corp. Electronic switching apparatus for telephone systems. Re. 24,987, 5–16–61, Cl. 139—18.

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Le Suer, William M., to The Lubrizol Corp. Oil-soluble metal sulfonates and process for the preparation thereof. 3,001,981, 9–26–61, Cl. 260—139.

Le Suer, William M., and C. W. Stuebe, to The Lubrizol Corp. Preparation of halogen-containing stilbenes and bibenzyls. 3,004,076, 10–10–61, Cl. 260—649.

Lesuk, Alex, to Sterling Drug Inc. Process for the purification of papain. 3,011,952, 12–5–61, Cl. 195—66.

Letendre, Roland. Bed spring. 2,969,550, 1–31–61, Cl. 5—211.

LeTourneau, Robert G. Mobile logging spar apparatus. 2,985,429, 5–23–61, Cl. 254—139.1.

Le Tourneau, Robert G. Boat beach apparatus. 2,991,750, 7–11–61, Cl. 115—9.

LeTourneau, Robert G. Mobile sea platform. 3,011,467, 12–5–61, Cl. 114—43.5.

Letourneau-Westinghouse Co.: *See*—
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Letourneur, Alfred A. Vehicle undercarriage facilitating the lifting of the vehicle over curbs and steps. 2,981,546, 4–25–61, Cl. 280—5.28.

Letsch, Raymond O. Filament holding and tensioning device. 2,979,283, 4–11–61, Cl. 242—129.8.

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Letson, Clarence, to Clay Equipment Corp. Oscillating feed control for milking parlor stalls. 3,001,410, 9–26–61, Cl. 74—96.

Lettermann, Charles, to Societe Alsacienne de Constructions Mecaniques. Cleaning device for the top comb of combing machines. 2,986,779, 6–6–61, Cl. 19—116.

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Lettine, Howard J. and A. Control system. 2,977,463, 3–28–61, Cl. 250—2.

Letts, Harold D., to Tasa Coal Co. Lime feeding apparatus. 2,968,310, 1–17–61, Cl. 137—101.27.

Letts, Walter W. Multi-disc rotary breaker and scraper. 2,985,206, 5–23–61, Cl. 144—208.

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Letz, William H. 2,985,211.

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Leubaz, Ernest. Safety marker. 2,991,698, 7–11–61, Cl. 88—79.

Leum, Leonard N., and J. E. Connor, Jr., to The Atlantic Refining Co. Protection of platinum-containing reforming catalysts against halogens. 2,967,819, 1–10–61, Cl. 208—88.

Leum, Leonard N., and J. E. Connor, Jr., to The Atlantic Refining Co. Isomerization of xylenes and alkyl benzenes. 2,976,332, 3–21–61, Cl. 260—668.

Leupold, Curt W., to Vereinigte Papierwerke Schickedanz & Co. Tampon. 3,013,558, 12–19–61, Cl. 128—285.

Leuthner, Frank G., to Wilmot Castle Co. Chemical sterilizing apparatus. 3,013,573, 12–19–61, Cl. 137—113.

Leutert, Friedrich. Record drum mounting. 2,986,443, 5–30–61, Cl. 346—138.

Leutert, Walter, to Brevets Aero-Mecaniques S.A. Spinning and like textile machines of the direct drive type. 2,994,182, 8–1–61, Cl. 57—1.

Leuthesser, Edward F., and E. P. Klein, said Leuthesser assor. to said Klein. Filter. 2,970,699, 2–7–61, Cl. 210—457.

Leuthy, Henry R., and L. Gelfand, to Erico Products, Inc. Cartridge for exothermic reaction material. 2,997,165, 8–22–61, Cl. 206—47.

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Levecque, Marcel, and P. Piot, to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. Apparatus for producing fibers from thermoplastic material. 2,980,954, 4–25–61, Cl. 18—2.6.

Levecque, Marcel, and M. Charpentier, to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. Apparatus for the production of fibers, particularly glass fibers. 2,981,974, 5–2–61, Cl. 18—2.5.

Levecque, Marcel, and M. Mabru, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. Method of and apparatus for producing fibers and thin material. 2,984,864, 5–23–61, Cl. 18—2.5.

Levecque, Marcel, and M. Charpentier, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. Manufacture of fibers from thermoplastic materials such as glass. 2,991,507, 7–11–61, Cl. 18—47.3.

Levecque, Marcel, and M. Mabru, to Societe Anonyme des Manufacturers des Glaces & Products Chimiques de Saint-Gobain, Chauny & Cirey. Manufacture of fibers of thermoplastic materials such as glass. 3,007,196, 11–7–61, Cl. 18—26.

Levecque, Marcel, and H. Brion, to Compagnie de Saint-Gobain. Manufacture of novel glass articles. 3,007,813, 11–7–61, Cl. 117—126.

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Levenson, Jordan S., 1/10 part to Gadget-Of-The-Month Club Inc. Pressure seal for pressurized liquid container. 2,970,722, 2–7–61, Cl. 222—62.

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Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,062.
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Leverberg, Rudolph R., and F. N. Baumgartner, to Esso Research and Engineering Co. Aluminum soap hydrocarbon thickener with increased solvation. 2,978,411, 4–4–61, Cl. 252—37.

Leverette, Bobby N. Faatener. 3,005,645, 10–24–61, Cl. 287—23.

Levering, Dewey R., to Hercules Powder Co. Preparation of metal azides. 2,994,583, 8–1–61, Cl. 23—101.

Levesque, Charles L., to Rohm & Haas Co. Drug composition. 2,987,445, 6–6–61, Cl. 167—82.

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Levey, Harold. Foot-correcting moccasin-like inner slipper. 3,013,564, 12–19–61, Cl. 128—611.

Levey, Horace B.: *See*—
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Levey, Ralph P., Jr., and A. H. Fowler, to United States of America, Atomic Energy Commission. Method for sensing degree of fluidization in a fluidized bed. 3,012,848, 12–12–61, Cl. 23—14.5.

Levi, Charles J. Safety pockets for sport jackets. 2,997,719, 8–29–61, Cl. 2—253.

Levi, Clifford A., to Pacific Semiconductors, Inc. Method of making electrical connection to semiconductor bodies. 2,995,473, 8–8–61, Cl. 117—201.

Levi, Clifford A., to Pacific Semiconductors, Inc. Method for diffusing active impurities into semiconductor materials. 3,003,900, 10–10–61, Cl. 148—1.5.

Levi, Hans L. Drinking straw and method of manufacture. 2,983,616, 5–9–61, Cl. 99—138.

Levi, Ormonde S., to Verd-A-Ray Processing Co. Method of staining borosilicate glass and resultant article. 3,000,761, 9–19–61, Cl. 117—124.

Levi, Robert. Apparatus for the resolution of distribution problems. 3,012,714, 12–12–61, Cl. 235—61.

Levi, Roberto, to North American Philips Co., Inc. Carburization of dispenser cathodes. 2,972,078, 2–14–61, Cl. 313—346.

Levi, Roberto, and J. Oisher, to North American Philips Co., Inc. Method of making cathodes. 2,986,799, 6–6–61, Cl. 29—25.18.

Levien, Jack R. Printing machines. 2,981,181, 4–25–61, Cl. 101—217.

Levin, Abraham S., to Glenco Refrigeration Co. Defroster. 2,987,601, 6–6–61, Cl. 219—19.

Levin, Alexander, to United States of America, Army. Air bleed valve. 2,974,724, 3–14–61, Cl. 158—36.6.

Levin, Alfred A.: *See*—
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Levin, Alfred A., and H. M. Molotsky, to Velsicol Chemical Corp. Production of pesticidal compounds. 2,967,126, 1–3–61, Cl. 167—30.

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Levin, David. Pressure steam cookers. 2,974,823, 3–14–61, Cl. 220—44.

Levin, Everet J., and E. E. Leach, to Minnesota Mining and Mfg. Co. Solderless connector for insulated small wires. 3,012,219, 12–5–61, Cl. 339—98.

Levin, Ezra. Preparing deodorized fish products. 2,972,542, 2–21–61, Cl. 99—209.

Levin, Ezra. Method of processing fish. 2,996,386, 8–15–61, Cl. 99—111.

Levin, Herbert L., to International Telephone and Telegraph Corp. Electron gun. 3,004,183, 10–10–61, Cl. 313—82.

Levin, Isaac H.: *See*—
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Levin, Isador, to Baltimore Paint and Chemical Corp. Apparatus for mixing and dispensing measured quantities of fluid pigments. 3,006,505, 10–31–61, Cl. 222—26.

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Cole, Addison D., Levin, Wilde, and Takata. 3,007,151.

Levin, Joseph D.: *See*—
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Levin, Nathan. Overplaid argyle hosiery. 2,970,462, 2–7–61, Cl. 66—179.

Levin, Nathan. Four yarn overplaid knitting machine. 2,974,505, 3–14–61, Cl. 66—43.

Levin, Nathan. Hosiery. 2,976,707, 3–28–61, Cl. 66—172.

Levin, Nathan. Overplaid hosiery and method of making same. 2,976,709, 3–28–61, Cl. 66—179.

Levin, Nathan. Method of knitting. 2,995,020, 8–8–61, Cl. 66—41.

Levin, Nathan. Needle selecting device. 2,995,910, 8–15–61, Cl. 66—50.

Levin, Nathan. Four yarn cross color overplaid knitting machine and method of knitting. 2,996,903, 8–22–61, Cl. 66—43.

Levin, Nathan, to Textile Machine Works. Yarn feeding control means for circular knitting machines. 3,008,316, 11–14–61, Cl. 66—138.

Levin, Nathan W.: *See*—
Ushakoff, Alexis E. 3,006,714.

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Starger, Samuel L., Levin, and Garshelis. 3,005,402.

Levin, Simon. Apparatus for recording and reproducing magnetic information. 2,979,572, 4–11–61, Cl. 179—100.2.

Levin, Simon. Apparatus for reproducing magnetic information. 2,988,736, 6–13–61, Cl. 340—174.1.

Levin, Simon. Controllable skate having continuously applied brake. 3,000,643, 9–19–61, Cl. 280—11.2.

Levine, Andrew, to United States of America, Army. Ballistic data recording system. 2,984,104, 5–16–61, Cl. 73—167.

Levine, Charles A., to The Dow Chemical Co. Process for the preparation of graft copolymers. 2,979,447, 4–11–61, Cl. 204—154.

Levine, David I. Hair cutting device. 2,991,553, 7–11–61, Cl. 30—30.

Levine, Elliot. Method and apparatus for making separable bottom stops for slide fasteners. 3,008,511, 11–14–61, Cl. 156—443.

Levine, Harold A., to General Aniline & Film Corp. Photographic gelatin layers containing triazine hardeners. 2,976,152, 3–21–61, Cl. 96—111.

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Levine, Max, to Hercules Powder Co. Finishing polyolefin filamentary textile article and the article obtained therefrom. 3,009,830, 11–21–61, Cl. 117—139.5.

Levine, Morton. Case for cartons. 2,979,222, 4–11–61, Cl. 220—21.

Levine, Samuel W., to Fairchild Camera & Instrument Corp. Carriage drive for selective size photoelectric image reproducing machine. 2,976,355, 3–21–61, Cl. 178—66.6.

Levine, Samuel W., to Fairchild Camera and Instrument Corp. Variable-period drive for electronic line scan and recording machines. 2,983,785, 5–9–61, Cl. 178—6.6.

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Levinson, David W., J. B. McAndrew, and A. G. Metcalfe, to Armour Research Foundation of Illinois Institute of Technology. Cobalt alloys. 2,983,602, 5–9–61, Cl. 75—170.

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Levkoff, David, ¼ to E. S. Levkoff, ¼ to H. S. Levkoff, and ¼ to E. L. Sennet. Cartons. 2,970,739, 2–7–61, Cl. 229—31.

Levkoff, David, ¼ to E. S. Levkoff, ¼ H. S. Levkoff, and ¼ to E. L. Sennet. Bottle carriers. 2,974,827, 3–14–61, Cl. 220—113.

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Levkoff, David. 2,974,827.

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Levy, Edward M., to Reflector Hardware Corp. Merchandise supporting and display background wall construction. 2,969,565, 1–31–61, Cl. 20—4.

Levy, Edward M., to Reflector-Hardware Corp. Display stand. 2,991,040, 7–4–61, Cl. 248—356.

Levy, Edward M., and D. R. Lopatka, to Reflector-Hardware Corp. Wall construction. 2,966,967, 1–3–61, Cl. 189—34.

Levy, Edward M., and P. Swan, to Reflector Hardware Corp. Merchandise display assembly. 2,991,889, 7–11–61, Cl. 211—177.

Levy, Edward M., and D. R. Lopatka, to Reflector-Hardware Corp. Wall construction. 2,994,413, 8–1–61, Cl. 189—34.

Levy, Irving M., to General Motors Corp. Winding arrangement for dynamoelectric machine. 2,999,953, 9–12–61, Cl. 310—166.

Levy, Irving M., to General Motors Corp. Two-speed four-six pole stator winding arrangement. 2,999,954, 9–12–61, Cl. 310—166.

Levy, Irving M., to General Motors Corp. Two-speed two-four pole stator winding arrangement. 2,999,955, 9–12–61, Cl. 310—188.

Levy, Irving M., J. W. Savage, and R. A. Flora, to General Motors Corp. Ventilating means. 2,990,112, 6–27–61, Cl. 230—259.

Levy, Irwin F., to First Spice Mfg. Corp. Method of curing fresh meat products. 3,003,883, 10–10–61, Cl. 99—159.

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Levy, Joseph, and J. H. Mayer, to The Trubek Laboratories. Production of aromatic disulfides. 2,986,581, 5–30–61, Cl. 260—608.

Levy, Lester. Wide band, low distortion, high efficiency amplifier. 2,980,840, 4–18–61, Cl. 320—121.

Levy, Marilyn, to United States of America, Army. Latensification of photographic emulsions. 3,005,710, 10–24–61, Cl. 96—65.

Levy, Maurice M., to Her Majesty the Queen in the right of Canada, as represented by the Postmaster General. Letter feeder. 2,995,362, 8–8–61, Cl. 271—36.

Levy, Milton. Coin holding insert for plastic boxes. 2,985,284, 5–23–61, Cl. 206—.83.

Levy, Morris, to David Kahn, Inc. Method of deforming plastic articles. 2,972,781, 2–28–61, Cl. 18—56.

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Lewin, Leonard, G. H. B. Thompson, and F. Sagnard, to International Standard Electric Corp. Unidirectional waveguide attenuator. 2,985,851, 5–23–61, Cl. 333—24.

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Lewis, Alvin V., to Borg-Warner Corp. Stress adjusting apparatus. 2,969,677, 1–31–61, Cl. 73—398.

Lewis, Arnold J. Target device. 3,014,725, 12–26–61, Cl. 273—105.6.

Lewis, Arnold S. Convertible canoe and kayak. 2,999,253, 9–12–61, Cl. 9—2.

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Lewis, Chalmer H., Jr., to Sarkes Tarzian, Inc. Television tuner. 3,003,060, 10–3–61, Cl. 250—20.

Lewis, Charles T. Brake band and block therefor. 2,992,707, 7–18–61, Cl. 188—77.

Lewis, Charles T. Ski instruction apparatus. 3,003,762, 10–10–61, Cl. 272—32.

Lewis, Clifford J., and E. Siegal, to D. B. Lewis. Thorium recovery process. 2,993,752, 7–25–61, Cl. 23—14.5.

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Lewis, Clifford J., and Siegal. 2,993,752.

Lewis, Daniel A.: *See*—
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Lewis, Daniel W., to Westinghouse Electric Corp. Epoxy-substituted organosilicone compounds. 2,997,458, 8–22–61, Cl. 260—46.5.

Lewis, Dartrey, to Morgan Construction Co. Rod patenting. 2,994,328, 8–1–61, Cl. 134—57.

Lewis, Dean L. Shaving appurtenance supporting device. 2,974,671, 3–14–61, Cl. 132—80.
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Lewis, Edward V., to United States of America, Navy. Ship. 2,974,624, 3–14–61, Cl. 114—56.
Lewis, Eileen D., and A. Hakanson; said Hakanson assor. to said Lewis. Drip dry shower rack. 2,997,182, 8–22–61, Cl. 211—86.
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Lewis, Ewart G., D. A. G. Eldridge, G. Bradfield, and H. C. M. Bertoya, to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Ultransonic testing apparatus. 2,971,372, 2–14–61, Cl. 73—67.5.
Lewis, Francis C. Bridge plugs and packers for oil wells. 2,990,883, 7–4–61, Cl. 166—120.
Lewis, Frederick M., to United States of America, Navy. Device for moving a control surface in accordance with the density and velocity of the air stream. 3,014,675, 12–26–61, Cl. 244—76.
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Lewis, George W. Fluid pumps. 2,978,990, 4–11–61, Cl. 103—150.
Lewis, Gordon M., and P. F. Orchard, to Bristol Siddeley Engines Ltd. Air supply unit. 2,994,471, 8–1–61, Cl. 230—116.
Lewis, Harold A., to Frank Adam Electric Co. Plug-in busduct. 2,992,401, 7–11–61, Cl. 339—22.
Lewis, Harold M., to Hazeltine Research, Inc. System for locating a radiant-signal reflector. 2,982,957, 5–2–61, Cl. 343—11.
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Tarbutton, Grady, Farr, Jones, and Lewis. 2,981,598.
Lewis, Herman A. Carrying device. 2,987,231, 6–6–61, Cl. 224—25.
Lewis, James C., to United States of America, Agriculture. Preparation of chlorogenicase. 3,005,757, 10–24–61, Cl. 195—65.
Lewis, James C. A., to The Plessey Co. Ltd. Manufacturing process for the preparation of flakes of sintered silicon. 2,993,763, 7–25–61, Cl. 23—223.5.
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Lewis, James E. Perpetual calendars. 2,972,827, 2–28–61, Cl. 40—114.
Lewis, Jerome. Plural walled container and process of manufacturing thereof. 3,002,646, 10–3–61, Cl. 220—9.
Lewis, Jerry D., to Western Electric Co., Inc. Method of and apparatus for encapsulating an article. 3,012,273, 12–12–61, Cl. 18—4.
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Lewis, Ralsten. Packaging device. 2,966,770, 1–3–61, Cl. 53—255.
Lewis, Richard L., to The Bendix Corp. Flow proportioning valve. 2,971,522, 2–14–61, Cl. 137—101.
Lewis, Richard L., to The Bendix Corp. Fluid pressure system having open center and closed center portions. 2,977,761, 4–4–61, Cl. 60—51.
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Lewis, Thomas P., and D. Henis, to M. Cohen. Apparatus for making tape reinforced plastic pipe. 3,004,585, 10–17–61, Cl. 156—429.
Lewis, Thomas W. Equipment for a pitching game. 2,998,976, 9–5–61, Cl. 273—100.
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Lewis, Warren K., to Esso Research and Engineering Co. Wax deoiling by displacement. 2,972,574, 2–21–61, Cl. 208—33.
Lewis, Warren K., to Esso Research and Engineering Co. Direct reduction of iron oxide by hydrocarbon. 2,989,396, 6–20–61, Cl. 75—26.
Lewis, William H., to Joint Saw Co. Pavement cutting apparatus. 2,974,938, 3–14–61, Cl. 262—20.
Lewis, William J., and W. J. Krupick, to General Precision, Inc. Single axis accelerometer. 2,985,021, 5–23–61, Cl. 73—517.
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Leymarie, Hubert, to Societe des Usines Chimiques Rhone-Poulenc. Process of moulding a thermoplastic sheet by means of drape forming. 3,013,928, 12–19–61, Cl. 156—475.
Leyse Aluminum Co.: *See*—
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Leyton, Eric M., to Radio Corp. of America. Recording and reproducing system. 2,979,558, 4–11–61, Cl. 178—5.2.
Leyton, Eric M., to Radio Corp. of America. Switching system for transverse-scanning tape reproducer. 2,979,562, 4–11–61, Cl. 178—6.6.
L'Heureux, Robert C., to International Telephone and Telegraph Corp. Process for producing photoconductive cadmium sulfide. 2,997,408, 8–22–61, Cl. 117—201.
L'Heureux, Robert C., to International Telephone and Telegraph Corp. Process for producing high purity selenides or sulfides. 3,006,720, 10–31–61, Cl. 23—50.
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Li, John C., to Wah Chang Corp. Process of separating niobium and tantalum values in oxidic ores and of producing pure niobium. 2,992,095, 7–11–61, Cl. 75—27.
Li, Kam, to Radio Corp. of America. Memory system. 2,988,731, 6–13–61, Cl. 340—174.
Li, Kam, to Radio Corp. of America. Converter circuits. 2,999,987, 9–12–61, Cl. 332—1.
Li, Yao T. Lawn sprinkler. 2,970,774, 2–7–61, Cl. 239—240.
Li, Yao T. Combustion stabilizer. 2,986,883, 6–6–61, Cl. 60—39.69.
Li, Yao T. Pressure gauge. 3,006,192, 10–31–61, Cl. 73—406.
Li, Yao T. Pressure gauge. 3,006,193, 10–31–61, Cl. 73—406.
Li, Yao-Huang. Smoker's implement. 2,986,146, 5–30–61, Cl. 131—184.
Liaaen, Nils J. Turbine propulsion installations for controllable pitch propellers. 2,986,221, 5–30–61, Cl. 170—135.75.
Liaaen, Nils J. Arrangement in propellers with variable pitch blades. 2,987,123, 6–6–61, Cl. 170—160.23.

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Darling, Samuel M., and Liao. 2,979,459.
Darling, Samuel M., and Liao. 2,989,467.
Darling, Samuel M., and Liao. 2,989,468.
Darling, Samuel M., and Liao. 2,989,469.
Darling, Samuel M., and Liao. 2,989,470.
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Emrick, Donald D., Liao, and Hook. 3,011,881.
Liao, Chien-wei, D. D. Emrick, and E. O. Hook, to The Standard Oil Co. Novel boron compounds and motor fuel containing the same. 3,011,880, 12–5–61, Cl. 44—63.
Liao, Hsiang P.: *See*—
Burney, Donald E., Knobloch, and Liao. 3,007,942.
Knobloch, James O., and Liao. 2,996,520.
Liao, Hsiang P., and P. H. Towle, to Standard Oil Co. Process of preparing trimellitic anhydride. 2,971,011, 2–7–61, Cl. 260—346.3.
Liautaud, John N.: *See*—
Amundsen, Paul, and Liautaud. 3,001,200.
Libbey, Miles A. Educational device for teaching binary computation. 3,006,082, 10–31–61, Cl. 35—30.
Libbey-Owens-Ford Glass Co.: *See*—
Alexander, Harold M., and McCown. 2,999,341.
Barkley, Dwight W. 3,001,901.
Boicey, James H. 2,977,450.
Boicey, James H. 2,991,686.
Boicey, James H., and Hubbard. 2,996,416.
Boicey, James L., and Browne. 2,995,461.
Brown, Wilbur F., Sellers, and Jarosi. 3,012,384.
Browne, Charles M. 2,967,964.
Browne, Charles M. 2,982,934.
Browne, Charles M. 3,012,924.
Carson, Frank J., and Leflet. 2,977,720.
Colbert, William H., Morgan, and Weinrich. 3,010,850.
Conner, Harry E., and Mattimoe. 3,009,017.
Couch, Albert H., and Hansen. 2,992,514.
Cowley, Charles H. 2,995,869.
Cowley, Charles H., Dean, and Montgomery. 2,968,125.
Dean, Harry N. 2,968,891.
Dunipace, Donald W., and Carson. 3,002,321.
Dunipace, Donald W., and Ermlich. 2,993,402.
Elton, William L., Motter, Gwyn, and Goeckel. 3,001,249.
Galser, Romey A. 2,980,817.
Harwig, Stephen H., and Barkley. 2,978,366.
Killan, Georg, and Mainz. 2,968,895.
Leflet, Herbert A., Jr. 2,985,986.
Matthews, Otmer C., and Hein. 2,972,463.
McAuley, James W., and McCown. 2,981,268.
McCown, William E., and McAuley. 2,972,997.
McCown, William E., and McAuley. 2,998,823.
Miklosek, Martin. 2,970,413.
Moore, Alfred L., and Ewan. 2,998,141.
Peters, Homer D. F. 2,996,660.
Ryan, Joseph D., and Mattimoe. Re. 24,933.
Sharp, Donald E. 2,999,337.
White, Gerald. 2,984,943.
Williams, Carl B. 2,995,480.
Woods, John A. 2,968,127.
Zellers, James T., Jr. 2,994,519.
Zellers, James T., Jr., Badger, and Lehr. 2,975,555.
Libby, Carl F., to J. D. Riordan, and G. C. Libby, trustees of the Libby Family Trusts. Tension device for feeding elastic webs of stands. 2,970,787, 2–7–61, Cl. 242—75.2.
Libby Family Trusts: *See*—
Libby, Carl F. 2,970,787.
Libby, Gertrude C.: *See*—
Libby, Carl F. 2,970,787.
Libby, Paul A.: *See*—
Ferri, Antonio, Libby, and Bloom. 2,970,202.
Libby, Paul A., A. Ferri, and M. H. Bloom, to United States of America, Air Force. Nozzle cooling apparatus and method. 3,005,338, 10–24–61, Cl. 73—147.
Libby, William H., to Minnesota Mining and Mfg. Co. Polypropanesultam and process for its preparation. 2,983,713, 5–9–61, Cl. 260—79.3.
Liberman, Arie. Carrier communication apparatus. 2,980,767, 4–18–61, Cl. 179—15.5.
Liberman, David, to Hoffmann-La Roche Inc. Triazine derivatives. 3,007,927, 11–7–61, Cl. 260—249.9.
Liberman, Milton. Lighting fixture. 3,003,055, 10–3–61, Cl. 240—9.
Liberman, Milton and R. Electric lamp. 2,990,494, 6–27–61, Cl. 313—113.
Liberman, Rubin: *See*—
Liberman, Milton and R. 2,990,494.
Liberthson, Leo, and H. Lipkind, to Sonneborn Chemical and Refining Corp. Water-repellent masonry coating composition and containing filler coated with an organopolysiloxane and masonry coated therewith. 3,006,875, 10–31–61, Cl. 260—22.
Liberty Engineering Co.: *See*—
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Liberty Folder Co.: *See*—
Beck, David C. 2,997,295.
McGarvey, John A. 3,008,707.
Liberty Mfg. Corp.: *See*—
Bang, Mogens W. 2,979,615.
Liberty, Vernon J.: *See*—
Rogers, Henry T., and Liberty. 3,012,301.
Libit, Sidney M. Combined closure and spout for a fluid dispensing receptacle. 2,969,167, 1–24–61, Cl. 222—512.
Libman, Max L.: *See*—
Rabinow, Jacob, and Morse. 3,000,262.
Rabinow, Jacob, Rosenberg, and Macdonald. 2,988,355.
Libois, Louis J., and P. M. Lucas. Telephonic concentrator. 2,979,571, 4–11–61, Cl. 179—18.
Libow, Seymour A. Ball game device. 2,982,549, 5–2–61, Cl. 273—95.
Librairie Hachette: *See*—
Mercier, Robert E. 2,979,174.
Libson, Maurice E. Food mixing apparatus. 3,005,399, 10–24–61, Cl. 99—348.
Libson, Maurice E. Microphone apparatus. 3,005,905, 10–24–61, Cl. 240—2.
Licata, Francis J.: *See*—
Cunder, Joseph, and Licata. 2,972,590.
Cunder, Joseph, and Licata. 2,995,456.
Licencia Talamanyokat Ertckesito Vallalat: *See*—
Bereznai, Oszkar. 2,978,904.
Demeter, Laszlo. 2,989,187.
Demeter, László. 2,995,255.
Forgó, László. 2,969,956.
Heller, Laszlo, and Bakay. 2,999,945.
Szilágyi, István. 3,014,150.
Licentia Patent-Verwaltungs-G.m.b.H.: *See*—
Fehling, Heinz. 2,992,308.
Grebe, Otto, and Bopp. 2,988,614.
Ginsbach, Karl-Heinz. 3,012,305.
Hartwig, Fritz. 2,988,588.
Köhler, Hans. 2,972,687.
Koppelmann, Floris. 2,982,904.
Lentze, Felix. 3,005,916.
Ludemann, Joseph, and Janecke. 2,981,856.
Petermichl, Franz, and Eiserlo. 2,988,622.
Poganski, Siegfried. 2,992,538.
Poganski, Siegfried. 2,993,080.
Prien, Hans, and Wulff. 3,004,125.
Reiss, Alexander, and Hillebrand. 3,005,073.
Schobbe, Wilhelm. 2,974,266.
Stelmel, Karl. 3,004,158.
Stocklein, Walter, Schmidt, and Dünkel. 2,996,240.
Völkerling, Gerhard, Eckstein, and Schmidt. 2,982,849.
Lich, Richard L., to General Steel Castings Corp. Railway vehicle mounting. 2,968,258, 1–17–61, Cl. 105—169.
Lich, Richard L., to General Steel Castings Corp. Four wheel truck. 2,968,259, 1–17–61, Cl. 105—190.
Lich, Richard L., to General Steel Castings Corp. Railway vehicle truck structure. 2,977,897, 4–4–61, Cl. 105—180.
Lich, Richard L., to General Steel Castings Corp. Railway truck. 2,981,206, 4–25–61, Cl. 105—182.
Lich, Richard L., to General Steel Castings Corp. Railway car suspension systems. 2,988,015, 6–13–61, Cl. 105—182.
Lich, Richard L., to General Steel Castings Corp. Tractor-trailer spring arrangement. 2,988,375, 6–13–61, Cl. 280—124.
Lich, Richard L., to General Steel Industries, Inc. Monorail system. 3,012,521, 12–12–61, Cl. 105—141.
Lich, Richard L., to General Steel Industries, Inc. Equalized crawler device. 3,012,624, 12–12–61, Cl. 180—9.5.
Lich, Richard L., to General Steel Industries, Inc. Tandem axle mounting for vehicles. 3,014,735, 12–26–61, Cl. 280—104.5.
Lichtenberger, Robert, and L. Villemey, to Societe Industrielle des Derives de l'Acetylene (S.I.D.A.). Manufacture of mesityl oxide. 3,002,999, 10–3–61, Cl. 260—593.
Lichtenstein, Arthur I.: *See*—
Cohen, Albert M., and Lichtenstein. 2,983,924.
Lichtenstein, Roland M.: *See*—
Cooper, James M., Lichtenstein, and Smith. 2,992,330.
Lichtenstein, Roland M., to General Electric Co. Function generator. 2,986,704, 5–30–61, Cl. 328—145.
Lichtenwalner, Hart K., to General Electric Co. Process for treating fillers. 3,004,859, 10–17–61, Cl. 106—308.
Lichtenwalter, Mryl, to Callery Chemical Co. Recovery of diborane from mixtures of other gases. 2,968,533, 1–17–61, Cl. 23—204.
Lichtenwalter, Myrl, and K. E. Harwell, to Callery Chemical Co. Preparation of alkyl substituted boron hydrides. 2,979,530, 4–11–61, Cl. 260—606.5.
Lichter, Adolph H. Seat construction. 3,007,737, 11–7–61, Cl. 297—378.
Lichter, Arthur S.: *See*—
Edmunds, Edward E., Lichter, and Poch. 2,996,378.
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Licitis, Gunars: *See*—
Reed, Bayard C., and Licitis. 2,971,289.
Licitis, Gunars, to M. I. Glass. Toy cap gun with reciprocating barrel. 2,989,814, 6–27–61, Cl. 42—57.
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Liddell, Robert E., N. T. Kuypers, and R. A. Yonkers, to Bissell Inc. Carpet sweepers. 2,975,449, 3–21–61, Cl. 15—41.
Liddell, Robert W., to Hagan Chemicals & Controls, Inc. Substituted amide inhibited acid compositions. 2,977,318, 3–28–61, Cl. 252—136.
Liddell, Thomas: *See*—
McFadden, Charles A., Mammel, and Liddell. 2,975,745.
Liddy, Clarence, to Socony Mobil Oil Co., Inc. Lubricant containing a calcium salt-calcium soap mixture and process for forming same. 2,999,065, 9–5–61, Cl. 252—39.

Liddy, Clarence, to Socony Mobil Oil Co., Inc. Lubricant containing a calcium salt-calcium soap mixture and process for forming same. 2,999,066, 9–5–61, Cl. 252—39.
Lidert, Albert W. Fishing lure. 3,007,276, 11–7–61, Cl. 43—26.2.
Lidgard, Edward J., to Flotepak Corp. Container for sheet-like material. 2,967,009, 1–3–61, Cl. 229—14.
Lidsky, Julius, to Ronel Corp. Metal fastener. 2,974,378, 3–14–61, Cl. 20—92.
Lidwin, Andrew J.: *See*—
Graham, Joe W. and H. R. 3,003,261.
Lie, Finn. Tilting chair construction. 2,991,125, 7–4–61, Cl. 297—304.
Lieb, Albert, to International Standard Electric Corp. Image converter. 2,989,636, 6–20–61, Cl. 250—83.3.
Lieb, Albert, to International Standard Electric Corp. Counting device. 2,999,165, 9–5–61, Cl. 250—208.
Lieb, Carl, and R. L. Godshalk, to The Babcock & Wilcox Co. Vapor generator wall and buckstay arrangement. 3,007,455, 11–7–61, Cl. 122—6.
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Lieber, William H.: *See*—
Weber, Bernard R., and Lieber. 2,971,777.
Lieberherr, Arthur, to Sulzer Freres, S.A. High pressure steam plant. 2,982,267, 5–2–61, Cl. 122—478.
Lieberherr, Arthur, deceased, by E. R. Lieberherr-Amsler, administratrix, to Sulzer Freres, S.A. Steam generating, superheating, and resuperheating plant. 2,983,262, 5–9–61, Cl. 122—478.
Lieberherr, Hans U., to S.O.B.E.M. Societe de Brevets et d'Etudes de Moteurs. Supercharged internal combustion engines. 2,989,840, 6–27–61, Cl. 60—13.
Lieberherr, Hans U., to Nordberg Mfg. Co. Supercharged opposed piston engines. 2,977,943, 4–4–61, Cl. 123—51.
Lieberherr-Amsler, Elisabeth R.: *See*—
Lieberherr, Arthur. 2,983,262.
Lieberman, Dolores, and W. D. Roth, ⅓ to Moore and Hall. Replacement curtain for convertible tops. 2,981,564, 4–25–61, Cl. 296—145.
Lieberman, Emanuel R., and I. B. Oneson, to Johnson & Johnson. Collagen film. 3,014,024, 12–19–61, Cl. 260—117.
Lieberman, Samuel. Turf edge trimmer and hedge clipper 2,970,419, 2–7–61, Cl. 56—25.4.
Lieberman, Samuel. Ball valve for flush tank. 2,980,920, 4–25–61, Cl. 4—56.
Lieberman, Walter G.: *See*—
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Liebeskind, Mack, to Ideal Pleating Co. Pleating apparatus and method. 2,979,240, 4–11–61, Cl. 223—30.
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Liebhafsky, Herman A., and A. M. Bueche, to General Electric Co. Coating method. 2,967,113, 1–3–61, Cl. 117—46.
Liebhart, Dorsey M. Spray boom for aircraft. 2,979,273, 4–11–61, Cl. 239—550.
Liebig, Horst, to Riedel-de Haen A.G. Method of making hyodesoxycholic acid. 3,006,927, 10–31–61, Cl. 260—397.1.
Liebig, William J., to Meadox Medicals, Inc. Synthetic vascular implants and the manufacture thereof. 2,978,787, 4–11–61, Cl. 28—73.
Liebman, Edward: *See*—
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Liebmann, Herbert C., Jr., to Liebmann Packing Co. Hide puller with operator's platform and conveyor interlock. 2,994,910, 8–8–61, Cl. 17—21.
Liebmann, Herbert C., Jr., to Liebmann Packing Co. Brisket opening saw with sterilizing assembly. 2,994,911, 8–8–61, Cl. 17—23.
Liebmann Packing Co.: *See*—
Liebmann, Herbert C., Jr. 2,994,910.
Liebmann, Herbert C., Jr. 2,994,911.
Liebmann, Werner H., to Aktiebolaget Johansons Press- & Hejarverktyg. Device in roller guideways. 2,994,567, 8–1–61, Cl. 308—3.5.
Liebowitz, Leonard: *See*—
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Liebrandt, Karl. Tracing device for textile machines. 3,012,425, 12–12–61, Cl. 66—147.
Liebrandt, Karl, and W. Schrader, said Schrader assor. to said Liebrandt. Driving mechanism for knitting tools of warp knitting machines. 2,986,909, 6–6–61, Cl. 66—86.
Liebrandt, Karl, and W. Schrader; said Schrader assor. to said Liebrandt. Driving mechanism for warp knitting machines. 2,984,998, 5–23–61, Cl. 66—86.
Liebrecht, Heinrich F., to Leeford (London) Ltd. Self-laying tracks. 2,986,429, 5–30–61, Cl. 305—19.
Liebreich, Oscar P., to General Motors Corp. Gauge for measuring accuracy of curvature. 2,969,670, 1–31–61, Cl. 73—37.5.
Liebusch, Walter: *See*—
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Liechti, Hans W.: *See*—
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Liedtke, Kurt, to Hauni-Werke Korber & Co., K.G. Method and machine for wrapping block-shaped articles for example cigarette-packages. 2,991,604, 7–11–61, Cl. 53—233.
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Lietzau, John M. Knock-down farrowing pen. 2,966,883, 1–3–61, Cl. 119—20.
Liewald, Fritz, to VEB Werk Für Signal- und Sicherungstechnik Berlin. Track installation indicating system. 2,967,970, 1–10–61, Cl. 315—9.
Lifeguard Swim Pool Corp.: *See*—
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Lifka, Charles. Angular connector fittings for flexible conduit. 2,967,722, 1–10–61, Cl. 285—127.
Lifka, Charles. Connector fittings for thin wall conduit. 2,986,060, 5–30–61, Cl. 85—36.
Lifka, Charles G. Connector fittings for small size flexible conduit. 2,980,450, 4–18–61, Cl. 285—161.
Lifland, Philip P., and A. E. Potas, to Socony Mobil Oil Co., Inc. Correcting activation or deactivation of platinum-type reforming catalyst. 2,980,605, 4–18–61, Cl. 208—138.
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Samfield, Max M., and Christy. 3,009,836.
Liggett, William H., and J. B. Gudikunst, to Hughes Aircraft Co. Servo actuator. 2,975,767, 3–21–61, Cl. 121—120.
Light, Charles E., to American Cyanamid Co. Polyphosphate detergent compositions containing dicyandiamide tarnish inhibitor. 2,967,832, 1–10–61, Cl. 252—137.
Light, Donald W., to Pepperell Braiding Co. Inc. Tie cord. 2,992,584, 7–18–61, Cl. 87—2.
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Light, George G., and W. J. Wichtendahl, to The Western Union Telegraph Co. Telegraph way station selector. 3,001,009, 9–19–61, Cl. 178—2.
Light, George S. Variable reciprocating movement transmission. 2,986,040, 5–30–61, Cl. 74—1.
Light, James W., to W. L. Tenney. Control apparatus for water craft. 2,998,791, 9–5–61, Cl. 114—66.5.
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Lilja, Oscar G., to Commercial Wire Products Co. Wire bottle carrier. 2,981,440, 4–25–61, Cl. 220—117.
Liljemark, Frank H., to Plews Mfg. Co. Can puncturing and pouring spout. 3,002,657, 10–3–61, Cl. 222—89.
Liljengren, Curtis P., deceased, S. S. Liljengren, sole legatee. Cushioned seat and elements thereof. 2,982,342, 5–2–61, Cl. 155—178.
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Soper, Quentin F. 2,967,201.
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Lilly, Patrick E. Clothes hanger rod for automobiles. 2,969,881, 1–31–61, Cl. 211—105.3.
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Limberger, Walter, to Lumoprint Zindler K.G. Device for developing a latent electrostatic image. 2,972,331, 2–21–61, Cl. 118—637.
Limberger, Walter, to Lumoprint Zindler K.G. Apparatus for developing latent electrostatic image on an elongated flexible support. 2,972,332, 2–21–61, Cl. 118—637.
Limberger, Walter, to Lumoprint Zindler KG. Device for making copies. 2,986,987, 6–6–61, Cl. 95—77.5.
Limberger, Walter, to Lumoprint Zindler Kg. Surface development device. 2,997,937, 8–29–61, Cl. 95—94.
Limberger, Walter, to Lumoprint Zindler KG. Electrophotographic copying device. 3,005,388, 10–24–61, Cl. 95—1.7.
Limberger, Walter. Electrophotographic copying device. 3,005,389, 10–24–61, Cl. 95—1.7.
Limberger, Walter, to Lumoprint Zindler K.G. Device for storing and dispensing sheets of copying paper. 3,008,606, 11–14–61, Cl. 221—37.
Limbocker, Ray R., Jr., to Sun Oil Co. Dump bailer. 3,004,604, 10–17–61, Cl. 166—169.
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Buurman, Aart, Vroom, and Limburg. 2,970,883.
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Limé, Jean, to Societe Alsacienne de Constructions Mecaniques. Print roll support means for rotary print machines. 2,966,846, 1–3–61, Cl. 101—178.
Limido, Jean, J. Miquel, and C. Thonon, to Institut Francais du Petrole des Carburants et Lubrifiants. Catalytic hydrogenation of hydrocarbons in the liquid phase. 3,006,844, 10–31–61, Cl. 208—216.
Limmer, Hans G., to F. K. H. Nallinger. Reinforced tire construction. 3,002,546, 10–3–61, Cl. 152—361.
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Limper, Arthur F.: *See*—
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Linan, Martin R. Brush spring installer. 3,006,063, 10–31–61, Cl. 29—205.
Linares, Robert C., Jr., and J. W. Nielsen, to Bell Telephone Laboratories, Inc. Barium titanate single crystals. 2,992,079, 7–11–61, Cl. 23—300.
Linck, Robert C. Metal roof construction. 2,976,648, 3–28–61, Cl. 50—211.
Lincoln, Andrew J., G. E. Lund, and D. Loev, to Burroughs Corp. High speed memory. 2,988,668, 6–13–61, Cl. 315—13.
Lincoln Brass Works: *See*—
Du Perow, Donald E. 2,987,078.
Du Perow, Donald E., Blackford, and Carlson. 3,012,584.
Lincoln, Clovis W., to General Motors Corp. Ball joint assembly. 2,971,787, 2–14–61, Cl. 287—90.
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Lincoln, Edward H., to The Upjohn Co. Stable therapeutic compositions containing acetylsalicylic acid-anhydride. 2,990,328, 6–27–61, Cl. 167—55.
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Strickholm, Harry, and Lincoln. 3,009,018.
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Hogg, John A., and Lincoln. 3,009,937.
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Hogg, John A., Lincoln, and Schneider. 2,992,245.
Spero, George B., Lincoln, and Schneider. 3,012,028.
Lincoln, Frank H., and G. B. Spero, to The Upjohn Co. 6-alpha-methyl-21-methoxyprogesterones. 2,970,156, 1–31–61, Cl. 260—397.45.
Lincoln, Frank H., G. B. Spero, W. P. Schneider, and J. L. Thompson, to The Upjohn Co. 2,6-dimethyl-21-fluorosteroids of the pregnane series. 2,993,061, 7–18–61, Cl. 260—397.45.
Lincoln, Frank H., W. P. Schneider, and G. B. Spero, to The Upjohn Co. 6α,16α-dimethyl-11-oxygenated-17α-hydroxy-unsaturated-pregnane-3,20-diones. 3,005,838, 10–24–61, Cl. 260—397.45.
Lincoln, Frank H., Jr., and W. P. Schneider, to The Upjohn Co. 2α-methyl-21-halo-11-oxygenated 4-pregne-3 20-dione and the intermediates in the preparation thereof. 3,005,837. 10–24–61, Cl. 260—397.45.
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King, Frederick E., Cooke, and Lincoln. 2,999,085.
Kowolik, Ernest J., and Lincoln. 2,979,483.
Lincoln, James, to British Celanese Ltd. Manufacture of high linear polyesters from refractory aromatic dicarboxylic acids and cyclic glycol carbonates. 3,009,903, 11–21–61, Cl. 260—75.
Lincoln, James, B. J. Hawthorne, and E. J. Kowolik, to British Celanese Ltd. Making high linear polyester with magnesium hypophosite catalyst. 2,974,122, 3–7–61, Cl. 260—47.
Lincoln, John C., to Hoover Ball and Bearing Co. Spring cushion. 2,981,318, 4–25–61, Cl. 155—179.
Lincoln, John D., to Continental Can Co., Inc. Honeycomb fabricating machine. 2,993,525, 7–25–61, Cl. 154—1.8.
Lincoln, John R. Foldable wagon seat. 2,990,010, 6–27–61, Cl. 297—444.
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Lincoln Mold and Die Corp.: *See*—
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Lincoln, Paul A., to Ingersoll-Rand Co. Air line lubricator. 2,982,376, 5–2–61, Cl. 184—55.
Lincoln, Roland L. Gas-liquid heat exchanger. 2,991,979, 7–11–61, Cl. 257—95.
Lincoln, Rush A., and W. G. Renshaw, to Allegheny Ludlum Steel Corp. Method of improving corrosion resistance of stainless steel. 2,991,205, 7–4–61, Cl. 148—62.
Lincoln, Walter B., to C. Howard Hunt Pen Co. Pencil pointer. 2,999,481, 9–12–61, Cl. 120—91.
Lind, Charles J., and A. W. Sogn, to Allied Chemical Corp. Process for N-alkylation of indoles. 3,012,040, 12–5–61, Cl. 260—319.
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Lind, Evald T. G. Sealing devices. 2,991,902, 7–11–61, Cl. 220—39.
Lind, Wilton H., to California Research Corp. Preparation of xylylenediamines. 2,970,170, 1–31–61, Cl. 260—570.9.
Lindahl, Donald E.: *See*—
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Lindberg, Charles A., to Smith-Corona Marchant Inc. Split clearance mechanism. 2,985,369, 5–23–61, Cl. 235—144.
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Lindberg, John E., Jr. Engine analyzer for detecting temperature with transducer and circuits. 2,985,870, 5–23–61, Cl. 340—227.

Lindberg, John E., Jr., and L. J. Cook, to said Cook assor. to said Lindberg, Jr. Secondary-emission cathode-ray tube and engine analyzer employing the same. 2,974,274, 3–7–61, Cl. 324—16.

Lindberg, Karl G. H., L. B. Person, and J. M. Thorsen, to Telefonaktiebolaget LM Ericsson. Noise elimination in multiplex transmission systems working according to the time division principle. 3,005,051, 10–17–61, Cl. 179—15.

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Lindberg, Ramon E., to Yuba Consolidated Industries, Inc. Heat exchange test jig. 2,977,789, 4–4–61, Cl. 73—40.

Lindberg, Torsten G., to F. V. Hasselblad. Aiming device for cameras and the like. 2,981,003, 4–25–61, Cl. 33—46.

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Lindblom, Frank W., to Welsh Mfg. Co. Spectacle bridge construction. 2,973,690, 3–7–61, Cl. 88—43.

Lindblom, Frank W., to Welsh Mfg. Co. Clip-on sunglasses. 3,010,107, 11–28–61, Cl. 2—13.

Lindblom, Frank W., to Welsh Mfg. Co. Clip-on sunglasses. 3,010,364, 11–28–61, Cl. 88—41.

Lindbloom, Virgual T. Rotary sprayer. 2,983,452, 5–9–61, Cl. 239—259.

Lindbom, Torsten: *See*—
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Diesing, Fred W., and Lindbom. 3,002,524.

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Lindbom, Torsten, and W. H. Rucks, to Fairchild Engine and Airplane Corp. Pressure controlled actuator. 2,974,640, 3–14–61, Cl. 121—41.

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Lindegren, Carl R., to E. I. du Pont de Nemours and Co. Copolyoxamides. 2,977,339, 3–28–61, Cl. 260—78.

Lindegren, Erik D. Multiple order receiving receptacle. 3,000,416, 9–19–61, Cl. 150—49.

Lindell, Benny F. Food package, storage and dispensing device. 3,008,583, 11–14–61, Cl. 211—49.

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Lindell, Sigurd I., to S & C Electric Co. Circuit interrupter. 2,976,381, 3–21–61, Cl. 200—120.

Lindem, Thomas J., and J. van Roojen, to The Ingersoll Milling Machine Co. Grinder with wheel dresser. 3,009,294, 11–21–61, Cl. 51—100.

Lindeman, Charles A. Fused plug-in receptacle. 2,972,030, 2–14–61, Cl. 200—115.5.

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Lindemann, Hans, to Th. Calow & Co. Maschinenfabrik u. Eisengiesserei. Pipe clamping fixture. 2,984,493, 5–16–61, Cl. 279—2.

Lindemann, Hans, to Th. Calow & Co. Maschinenfabrik u. Eisengiesserei. Electric shaft apparatus. 3,010,051, 11–21–61, Cl. 317—6.

Lindemann, Robert E., to Harris-Intertype Corp. Sheet feeder. 2,967,705, 1–10–61, Cl. 271—26.

Lindemann, Robert E., to D. M. Potter. Plural range indicating instruments. 2,980,894, 4–18–61, Cl. 340—187.

Lindemann, Robert E., to Harris-Intertype Corp. Ink feed mechanism. 2,990,770, 7–4–61, Cl. 101—364.

Lindemann, Robert F., and A. Hlynsky, to Diamond Alkali Co. Nuclear dichlorination of xylenes. 3,002,027, 9–26–61, Cl. 260—650.

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Gold, Marvin H., and Linden. 3,000,958.
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Lindenberg, Milton L. Evaporator for ice-cube making machines. 2,986,020, 5–30–61, Cl. 62—515.

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Linder, Bertram N. Coat front and method of forming same. 3,009,160, 11–21–61, Cl. 2—98.

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Newcomer, Jack S., Weil, Dorfman, and Linder. 3,006,967.
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Linderoth, Erik T. Regenerative heat exchanger for gas turbines. 2,970,815, 2–7–61, Cl. 257—269.

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Lindgren, Nils K., to North American Philips Co., Inc. Arrangement in tone arms for gramophones. 2,982,554, 5–2–61, Cl. 274—15.

Lindgren, William L., and W. H. Penn, to Turner Corp. Manually operable control valve. 2,977,087, 3–28–61, Cl. 251—240.

Lindhardt, Walter S. Bug and insect diverter for vehicle windshield. 3,008,756, 11–14–61, Cl. 296—91.

Lindheim, Ottar. Saw-sharpening machine. 3,000,236, 9–19–61, Cl. 76—43.

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Lindley, Frederick A., Jr., to Smith-Meeker Engineering Co. Sonar simulator. 3,008,244, 11–14–61, Cl. 35—10.4.

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Lindley, Peter L., to Burroughs Corp. Fixed-periodicity monitoring and control system. 2,968,803, 1–17–61, Cl. 340—271.

Lindley, Virginia. Skirt with improved hem. 2,985,887, 5–30–61, Cl. 2—211.

Lindley, William L. Wheel rim attachment for tubeless tire. 2,986,189, 5–30–61, Cl. 152—158.

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Lindner, Paul L., to Witco Chemical Co., Inc. Dispersant compositions and toxicant concentrates containing the same. 2,976,208, 3–21–61, Cl. 167—42.

Lindner, Paul L., to Witco Chemical Co., Inc. Dispersant compositions and toxicant concentrates containing the same. 2,976,209, 3–21–61, Cl. 167—42.

Lindner, Paul L., to Witco Chemical Co., Inc. Dispersant compositions and toxicant concentrates containing the same. 2,976,211, 3–21–61, Cl. 167—42.

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Lindquist, Adolph L., to Turbo Machine Co. Water heating and spray apparatus. 2,987,259, 6–6–61, Cl. 239—130.

Lindquist, Nora. Educational building block set. 2,981,009, 4–25–61, Cl. 35—17.

Lindquist, Oiva H., to Minneapolis-Honeywell Regulator Co. Aircraft indicators. 2,995,929, 8–15–61, Cl. 73—116.
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Lindsay, Maurice E. Crop treating apparatus. 2,977,715, 4–4–61, Cl. 47—1.7.
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Lindsey, William B., to E. I. du Pont de Nemours and Co. Vinyl resin coating compositions and process for coating polymeric films. 3,003,982, 10–10–61, Cl. 260—28.5.
Lindsjo, Anders F. N., and J. I. R. Bolvie, to Aktiebolaget Electrolux. Motor-fan unit mounting for suction cleaner. 2,987,241, 6–6–61, Cl. 230—117.
Lindstaedt, Frank F. Cultivator. 2,988,157, 6–13–61, Cl. 172—376.
Lindstein, Vigo W. Ciphering devices. 2,975,530, 3–21–61, Cl. 35—3.
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Lindstrom, Ernst O., to Aktiebolaget Electrolux. Asynchronous motor stator. 3,014,145, 12–19–61, Cl. 310—258.
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Lindstrom, Everett E., and A. A. Wersal, to Electric Vendors, Inc. Stamp dispensing apparatus. 3,010,629, 11–28–61, Cl. 225—11.
Lindstrom, George A., to American Steel Foundries. Brake cylinder. 2,979,906, 4–18–61, Cl. 60—54.6.
Lindstrom, Mary D., to Monsanto Chemical Co. Foam control in monovinylidene aromatic compound-acrylate systems. 3,012,017, 12–5–61, Cl. 260—80.5.
Lindstrom, Morris J., to Enterprise Railway Equipment Co. Resilient hopper-door type outlet construction. 2,989,008, 6–20–61, Cl. 105—253.
Lindstrom, Richard S., and T. Raphael, to Arthur D. Little, Inc. Fibrous aggregates and process and apparatus for making them. 3,003,911, 10–10–61, Cl. 162—100.
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Lingard, Harold A., and N. S. Tyler, to Mantua Metal Products Co., Inc. Model-railroad car having animated parts. 2,984,044, 5–16–61, Cl. 46—107.
Lingelbach, Charles J., Jr., to American Can Co. Food package and method of making same. 3,000,744, 9–19–61, Cl. 99—172.
Lingelbach, Hugo W. Charcoal broiler. 3,010,384, 11–28–61, Cl. 99—390.
Lingenbrink, Hermann E. F. C., to Philco Corp. Drive system for tuning assembly. 2,981,114, 4–25–61, Cl. 74—10.
Lingis, Victor C. Animal cage. 2,983,251, 5–9–61, Cl. 119—17.
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Lingle, John T., to Minneapolis-Honeywell Regulator Co. Semiconductor devices. 2,992,385, 7–11–61, Cl. 323—22.
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Link, Karl P., to Wisconsin Alumni Research Foundation. Warfarin sodium and heparin sodium composition 2,999,049, 9–5–61, Cl. 167—65.
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Linke, Walter R., and I. C. Sandback, to Bell & Howell Co. Wide angle objective. 3,006,248, 10–31–61, Cl. 87—57.
Linker, Edward A., and C. M. Le Peer, to The Chartmakers, Inc. Carrying case and display device. 2,967,608, 1–10–61, Cl. 206—45.11.
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Linn, Norman F., and F. J. Herrmann, to Esso Research and Engineering Co. Integrated polymer drying. 3,007,906, 11–7–61, Cl. 260—93.7.
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Linn, Sidney S., to United States of America, Army. Ball release device for point detonating base fuze applications. 3,012,505, 12–12–61, Cl. 102—75.
Linn, Sidney S., and O. H. Bauschinger, to Sperry Rand Corp., Ford Instrument Co. Division. Gyroscope utilizing inverted hydrodynamic bearings. 2,969,680, 1–31–61, Cl. 74—5.
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Linz, Arthur, to Molybdenum Corp. of America. Process of making sodium-rare earth fluorides. 3,009,774, 11–21–61, Cl. 23—88.
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Lippincott, Samuel B., and H. K. Wiese, to Esso Research and Engineering Co. Preparation of lactams from cyclic ketones. 2,988,546, 6–13–61, Cl. 260—239.3.
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Lisanke, Robert J., to Union Carbide Corp. N-(heterocyclic alkyl) aminoalkyl silicon compounds and process for their preparation. 3,008,923, 11–14–61, Cl. 260—46.5.
Lisanke, Robert J., to Union Carbide Corp. N-(heterocyclic alkyl)-aminoalkyl silicon compounds and process for their preparation. 3,008,924, 11–14–61, Cl. 260—46.5.
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Liston, Bohuslav, to Vyzkummj a zkusebni letecky ustav. Combined nozzle. 2,974,882, 3–14–61, Cl. 239—563.
Liston, James F. Safety tray for vehicles. 3,003,786, 10–10–61, Cl. 280—150.
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McMahon, Howard O. 2,975,604.
McMahon, Howard O. 2,986,891.
Murray, Wallace J., and Sauer. 3,006,957.
Park, Edward C., Jr. 2,987,631.
Park, Edward C., Jr., and Smallman. 2,989,714.
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Slade, Albert E. 3,001,179.
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Little, Charles H. Drafting board. 2,979,823, 4–18–61, Cl. 33—79.
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Little, Elijah M. Paint striping apparatus. 3,007,645, 11–7–61, Cl. 239—150.
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Little, John T. Peeler for citrus fruit. 2,974,411, 3–14–61, Cl. 30—24.
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Little, Julian R., and W. P. Whelan, Jr., to United States Rubber Co. Method of making polyurethane elastomer from polyester, organic diisocyanate, and bifunctional primary amine. 2,983,702, 5–9–61, Cl. 260—45.4.
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Littlefield, Edgar E., deceased, E. D. J. Littlefield, executrix. Electrical apparatus and methods. 2,982,256, 5–2–61, Cl. 121—38.
Littlefield, Edgar E., deceased; E. D. J. Littlefield, executrix. Fluid motor control valve. 2,991,799, 7–11–61, Cl. 137—595.
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Littlefield, Edgar E. 2,991,799.
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Littler, Clarence A., to E. I. du Pont de Nemours and Co. Herbicidal pellets. 2,992,090, 7–11–61, Cl. 71—2.5.
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Littleton, Leonidas R., to United States of America, Army. Mine protective device. 3,000,302, 9–19–61, Cl. 102—8.
Littleton, Leonidas R., to United States of America, Army. Mine clearing device. 3,000,303, 9–19–61, Cl. 102—22.
Littleton, Louis A. Dusting mop. 3,006,011, 10–31–61, Cl. 15—229.
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Litton, Charles V., to Litton Engineering Laboratories. Ceramic-to-metal seals. 2,972,808, 2–28–61, Cl. 29—473.1.

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Crapuchettes, Paul W. 2,993,271.
Singleton, Henry E., and Erdley. 2,995,038.
Litton Industries of California: *See*—
Curtis, Daniel L. 2,978,179.
Crapuchettes, Paul W. 2,967,261.
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Litvan, Franz, and W. G. Stoll, to Geigy Chemical Corp. Aryloxy acetic acid amides. 3,010,995, 11–28–61, Cl. 260—559.
Litvan, Franz, and W. G. Stoll, to Geigy Chemical Corp. Aryloxy acetic acid amides. 3,010,996, 11–28–61, Cl. 260—559.
Litwinczuk, Victor W. Portable table bowling game. 2,999,689, 9–12–61, Cl. 273—39.
Litwinoff, Richard, to Sulzer Freres, S.A. System for producing pulverized coal. 2,998,200, 8–29–61, Cl. 241—33.
Litz, Frank A., to International Business Machines Corp. Cylinder adder. 2,980,063, 4–18–61, Cl. 121—38.
Litz, Frank A., to International Business Machines Corp. Rotating cylinder positioning mechanism. 2,988,057, 6–13–61, Cl. 121—38.
Litz, Frank A., and J. J. Lynott, to International Business Machines Corp. Cylinder adder. 2,969,042, 1–24–61, Cl. 121—38.
Litz, Lawrence M., to Union Carbide Corp. Boron nitride production. 2,974,013, 3–7–61, Cl. 23—191.
Litz, Lawrence M., to Union Carbide Corp. Preparation of high purity chromium and other metals. 2,995,439, 8–8–61, Cl. 75—84.
Litzinger, Dennis P. Changeable indicia display device. 2,974,433, 3–14–61, Cl. 40—64.
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Livelsberger, Kenneth V., to American Steel Foundries. Shankless coupler arrangement. 2,967,626, 1–10–61, Cl. 213—75.
Lively, Frederick E. Self-insulating connector. 3,011,010, 11–28–61, Cl. 174—84.
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Taylor, Charles F., and Livengood. 2,968,916.
Livensparger, Edward W. Receptacle lifter. 2,992,848, 7–18–61, Cl. 294—34.
Liverant, Moses: *See*—
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Livermont, Frank W., deceased; M. S. Zimmerman, executor of the estate of F. W. Livermont. Torque limiting screw driver. 2,984,133, 5–16–61, Cl. 81—52.4.
Livermont, Frank W., deceased; M. S. Zimmerman, executor. Torque measuring device. 3,007,336, 11–7–61, Cl. 73—134.
Livermore, Clifford S. Anti-torpedo system. 2,967,506, 1–10–61, Cl. 114—240.
Livermore, Clifford S. Device for protecting a vessel. 2,969,762, 1–31–61, Cl. 114—240.
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Bartlett, Curry M. 2,973,017.
Bartlett, Curry M. 3,013,587.
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Urquhart, Lloyd G., and Thal. 3,009,488.
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Livermore, William T. Injection filled liquid pump. 2,983,226, 5–9–61, Cl. 103—42.
Livermore, William T., and H. M. Clark, said Clark assor. to Thompson Ramo Wooldridge Inc. Multiple pump unit. 2,984,186, 5–16–61, Cl. 103—4.
Livermore, William T., H. M. Clark, and G. H. Drutchas, said Clark and said Drutchas assors. to Thompson Ramo Wooldridge Inc. Slipper pump. 3,009,420, 11–21–61, Cl. 103—135.
Livermore, William T., H. M. Clark, and G. H. Drutchas, said Clark and said Drutchas assors. to Thompson Ramo Wooldridge Inc. Slipper type transmission pump. 3,009,421, 11–21–61, Cl. 103—135.
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Krey, Harold L. 3,006,709.
Livingston, Donald C., to Sylvania Electric Products Inc. Switching circuit for use with electroluminescent display devices. 2,995,682, 8–8–61, Cl. 315—169.
Livingston, Orrin W., to General Electric Co. Non-linear feedback circuit for generators. 2,996,654, 8–15–61, Cl. 322—25.
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Lizza, Albert J., to United States of America, Army. Firearm firing mechanism with disconnector. 2,992,597, 7–18–61, Cl. 89—145.
Ljungberg, Klas W., and A. A. Skog. Moisture absorbing means in radial flow turbines. 3,002,725, 10–3–61, Cl. 253—16.5.
Ljungstrom, Erik G. Elastic suspension device. 2,989,298, 6–20–61, Cl. 267—1.
Ljungstrom, Torsten, to Patent Management, Inc. Mechanical movement for translating rotary motion to linear motion. 3,012,443, 12–12–61, Cl. 74—89.
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Rives, Isaac. 2,990,846.
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Lloyd, Brian B. Gas analysis apparatus. 2,972,523, 2–21–61, Cl. 23—256.
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Vaughan, Joseph B. 2,975,752.
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Lloyd, Edward T., and H. K. Holderness, to W. T. Henley's Telegraph Works Co., Ltd. Means for continuously spooling filamentary bodies. 2,978,194, 4–4–61, Cl. 242—25.
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Lo, Arthur W., and H. D. Crane, to Radio Corp. of America. Magnetic circuits. 3,014,204, 12–19–61, Cl. 340—174.
Lo, Chien-Pen, to Rohm & Haas Co. Quaternary ammonium compounds containing the 8-(6-chloro-1,3-benzodioxanyl)-methyl group. 2,993,909, 7–25–61, Cl. 260—340.3.
Lo, Chien-Pen, to Rohm & Haas Co. Horticultural process with N-halomethyl-1,2-benzisothiazolin-3-one-1,1-dioxides for controlling fungus diseases. 3,002,884, 10–3–61, Cl. 167—33.
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Lo, Elizabeth S., to Minnesota Mining and Mfg. Co. New fluorine containing polymers and preparation thereof. 2,970,988, 2–7–61, Cl. 260—87.7.

Lo, Elizabeth S., to Minnesota Mining and Mfg. Co. Fluorine containing organic compounds and preparation thereof. 2,975,163, 3–14–61, Cl. 260—87.5.

Lo, Elizabeth S., to Minnesota Mining and Mfg. Co. Copolymers of 2-trifluoromethyl-1, 3-butadiene. 2,979,489, 4–11–61, Cl. 260—87.5.

Lo, Elizabeth S., to Minnesota Mining and Mfg. Co. Flourine-containing copolymers. 2,986,556, 5–30–61, Cl. 260—87.5.

Lo, Elizabeth S., to Johnson & Johnson. Epoxy resin compositions and hardeners therefor. 3,008,925, 11–14–61, Cl. 260—47.

Lo, Elizabeth S., and G. H. Crawford, Jr., to Minnesota Mining and Mfg. Co. Tetrafluorobutadiene copolymers. 2,992,211, 7–11–61, Cl. 260—87.5.

Lobanoff, Val S., and S. S. Smith, to United Centrifugal Pumps. Pump. 2,968,250, 1–17–61, Cl. 103—111.

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Lobdell, Webster A., to Claude Sintz, Inc. Spring retainer clip. 2,987,333, 6–6–61, Cl. 287—90.

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Roos, Ernst, Lober, and Burgdorf. 3,007,895.

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Loblick, Albert. Chain crawlers. 3,008,690, 11–14–61, Cl. 254—75.

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Lobosco, Roscoe R., T. McElrath, Jr., and W. H. Helmbrecht, to Union Carbide Corp. Gas-shielded metal-arc welding process. 3,002,085, 9–26–61, Cl. 219—130.

Loch, Erwin, to Escher Wyss Aktiengesellschaft. Supplying supporting gas to a gas pressure bearing. 3,013,845, 12–19–61, Cl. 308—9.

Locher, Hans, to Zellweger Ltd., Uster Factories for Apparatus and Machines. Device for determining spontaneous cross sectional variations in textile materials. 3,009,101, 11–14–61, Cl. 324—61.

Lochow, Elmer E., to General Electric Co. Combination clutch and coupling. 2,991,637, 7–11–61, Cl. 64—30.

Lock, Thomas, to Borg-Warner Corp. Fuel booster pump. 2,974,602, 3–14–61, Cl. 103—113.

Lock, Tom, to Associated Electrical Industries Ltd. Potentiometers. 3,013,238, 12–12–61, Cl. 338—180.

Lockard, Harold D., to Lockard Tool & Engineering Co. Auxiliary cradle for telephones. 3,013,128, 12–12–61, Cl. 179—146.

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Locke, Frank W., and V. S. Dahle, to Waldorf Paper Products Co. Paint trays. 2,988,260, 6–13–61, Cl. 229—34.

Locke, Frederick W. S., Jr., to United States of America, Navy. Retractable hydrofoil landing gear for supersonic seaplanes. 2,997,260, 8–22–61, Cl. 244—102.

Locke, Frederick W. S., Jr., to United States of America, Navy. Supersonic airplane configuration. 3,009,669, 11–21–61, Cl. 244—46.

Locke, George A.: *See*—
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Detweiler, James I., Riek, and Thompson. 2,980,138.
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Goddard, Robert W. 2,976,378.
Hamilton, William F. 2,998,390.
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Sterczala, Walter P. 3,013,569.
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Wiele, Robert F. 2,973,925.
Wilson, Ronald C. 3,013,824.
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Locklin, Charles R. One-piece spring clip for recording tape reels. 2,985,290, 5–23–61, Cl. 206—53.

Locklin, Charles R. Multiple duplicating tape recorder. 3,005,057, 10–17–61, Cl. 179—100.2.

Lockman, Nathan, to United States of America, Atomic Energy Commission. Pneumatic control device. 2,989,950, 6–27–61, Cl. 121—41.

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Helland, Howard M. 2,983,985.
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Helland, Howard M. 2,996,786.

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Lockwood, Jack. Radiator hose. 2,995,151, 8–8–61, Cl. 138—121.

Lockwood, John C., to Scripto, Inc. Spark wheel assembly for pyrophoric cigarette lighter. 2,986,026, 5–30–61, Cl. 67—7.1.

Lockwood, John C., to Scripto, Inc. Windguard structure for pyrophoric cigarette lighter. 2,986,027, 5–30–61, Cl. 67—7.1.

Lockwood, John C., to Scripto, Inc. Latch mechanism assembly for retractable ball pen. 3,007,444, 11–7–61, Cl. 120—42.03.

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Locus, Silvan S., to Electronic Specialty Co. Radio frequency filter. 2,976,498, 3–21–61, Cl. 333—9.

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Goyette, Francis H., and Soyka. 2,987,262.

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Loderhose, Richard E. Record jacket with detachable photographs. Re. 24,962, 4–4–61, Cl. 229—70.

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Lodge, Frank, to Imperial Chemical Industries Ltd. New dyestuffs. 2,992,240, 7–11–61, Cl. 260—380.

Lodge, George C. O., to A. Ash. Translucent materials. 3,012,477, 12–12–61, Cl. 88—57.5.

Lodge, James R., to Minnesota Mining & Mfg. Co. Color coated roofing granules and method of making the same. 2,981,635, 4–25–61, Cl. 117—62.

Lodge, James R., G. W. Swenson, and D. L. Reichel, to Minnesota Mining & Mfg. Co. Colored roofing granules. 2,981,636, 4–25–61, Cl. 117—70.
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Loeb, Ernest, to Allis-Chalmers Mfg. Co. Irradiation facility. 3,006,834, 10–31–61, 204—193.2.
Loeb, Ernest, and J. H. Nicklas, to United States of America, Atomic Energy Commission. Fabrication of tube type fuel element for nuclear reactors. 2,983,660, 5–9–61, Cl. 204—154.2.
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Loebich, Otto, and A. Seidl, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Insulated electrical conductors. 2,978,363, 4–4–61, Cl. 117—315.
Loebner, Egon E., to United States of America, Army. Frequency and phase modulation of optical feedback storage light amplifiers. 2,974,233, 3–7–61, Cl. 250—213.
Loebner, Egon E., and D. C. Darling, to Radio Corp. of America. Light amplifier and storage device. 2,972,054, 2–14–61, Cl. 250—213.
Loebner, Egon E., H. O. Hook, and D. E. Darling, to Radio Corp. of America. Electroluminescent storage device. 2,975,291, 3–14–61, Cl. 250—213.
Loechel, Wolfgang, H. Richter, and M. Schenck, to Schering A.G. Thiocyanohydrine derivatives of the steroid series and process of making same. 2,982,777, 5–2–61, Cl. 260—397.45.
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Loechl, Clarence J., to The Celotex Corp. Gypsum wallboard manufacture. 2,996,811, 8–22–61, Cl. 34—205.
Loeding, John W., and A. A. Jonke, to United States of America, Atomic Energy Commission. Method of reducing aqueous radioactive nuclear wastes to solid form. 2,977,194, 3–28–61, Cl. 23—142.
Loef, Jakob, A. Paul, and K. Steinert, to Firma Steinbock G.m.b.H. Vehicle. 3,003,586, 10–10–61, Cl. 187—9.
Loeffelholz, Oscar M. Accordion converter. 2,984,141, 5–16–61, Cl. 84—376.
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Loev, Bernard, and W. A. Mosher, to Smith Kline & French Laboratories. Pyrazoloindenone azines. 2,969,374, 1–24–61, Cl. 260—310.
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Loew, Edgar C., and R. H. Wilmer, to The General Fireproofing Co. Service panel for desks. 3,000,682, 9–19–61, Cl. 312—194.
Loew, Theodore, to National Dairy Products Corp. Food package. 2,988,208, 6–13–61, Cl. 206—56.
Loewe, Richard T., to North American Aviation, Inc. Saturable comparator. 2,967,949, 1–10–61, Cl. 307—88.
Loewe, Siegmund. Magazine for magnetic tape reels. 2,988,295, 6–13–61, Cl. 242—55.13.
Loewe, Siegmund. Driving mechanism for multi-track magnetic tapes. 2,996,229, 8–15–61, Cl. 226—50.
Loewe, Siegmund. Braking magnetic tape reels. 3,006,566, 10–31–61, Cl. 242—55.12.
Loewe, Siegmund, and W. Zorn; said Zorn assor. to said Loewe. Arrangement of magnetic heads for tape recorders. 3,011,031, 11–28–61, Cl. 179—100.2.
Loewen, Bruno F., to Phillips Petroleum Co. Operation of an oil seal for electrical terminals of an electroprecipitator. 3,004,833, 10–17–61, Cl. 23—209.4.
Loewengart, Justin, deceased (B. Ginsberg, executor of said J. Loewengart), A. J. Dennison, M. Wachenheimer, and H. Kaufman; said Dennison, Wachenheimer, and Kaufman assors. to Torch Rubber Co., Inc. Reinforcement insert in particular for heels of overshoes. 2,966,749, 1–3–61, Cl. 36—7.3.
Loewenstein, Morrison, to Crest Foods Co., Inc. Protein-emulsifier powder and process of producing the same. 2,970,913, 2–7–61, Cl. 99—14.
Loewenstein, Morrison, to Crest Foods Co., Inc. Protein-hydrocolloid powder and process for producing the same. 3,001,876, 9–26–61, Cl. 99—20.
Loewenthal, Henry J.: *See*—
Harle, Harold P., Balogh, and Loewenthal. 2,970,453.
Loewenthal, Henry J., to General Electric Co. Automatic ice maker. 2,987,895, 6–13–61, Cl. 62—351.
Loewy Engineering Co. Ltd., The: *See*—
Elkan, Robert M. L. 2,974,791.
Singleton, Peter. 3,012,664.
Tracy, John A. 3,001,737.
Worlidge, Ronald F. 3,001,764.
Loferski, Joseph J.: *See*—
Rappaport, Paul, and Loferski. 2,975,286.
Rappaport, Paul, and Loferski. 2,976,433.
Loffelbein, Hans-Joachim, to Telefunken G.m.b.H. Dial structure. 2,970,562, 2–7–61, Cl. 116—124.1.
Loffler, Karl, W. Pelz, and O. Wahl, to Agfa Aktiengesellschaft. Process for the production of color-corrected color photographic images. 2,994,607, 8–1–61, Cl. 96—9.
Loffler, Martin: *See*—
Werner, Johannes. 2,991,662.
Lofgren, Carl J., G. D. Strong, and W. B. Millar, to Battle Creek Foundry Co. Swing grill. 2,998,001, 8–29–61, Cl. 126—25.
Lo Flego, Louis, R. K. Asplund, and R. L. Smith, to United States of America, Navy. Hi-lo igniter. 2,972,305, 2–21–61, Cl. 102—70.
Lofland, Clyde A.: *See*—
Hunter, Richard S., and Lofland. 3,003,388.
Löfman, Claes P.: *See*—
Martensson, Karl M., Löfman, and Eriksson. 2,980,532.
Lofquist, Alden A., Jr., to United Shoe Machinery Corp. Container constructions. 3,006,527, 10–31–61, Cl. 229—22.
Lofquist, Karl H. S., to Tholand, Inc. Metallurgical concentration of manganese. 3,000,725, 9–19–61, Cl. 75—30.
Lofthouse, Fred R.: *See*—
Gendron, Robert W., and Lofthouse. 3,007,347.
Loftin, Laurence K., Jr., to United States of America, National Aeronautics and Space Administration. Wind tunnel airstream oscillating apparatus. 3,005,339, 10–24–61, Cl. 73—147.
Loftman, Kenneth A., and J. R. Thereault, to Cabot Corp. Aqueous dispersions of pyrogenic silica. 2,984,629, 5–16–61, Cl. 252—313.
Lofton, Jack. Amusement and attention attracting device. 2,977,699, 4–4–61, Cl. 40—30.
Logan, Alexander, to Western Electric Co., Inc. Apparatus for removing molded articles from molds. 2,988,773, 6–20–61, Cl. 18—2.
Logan, Arthur G.: *See*—
Jackson, John, and Logan. 3,008,383.
Logan, Arthur G., B. Cain, and R. Ginsberg, to American Machine & Foundry Co. Missile launcher. 2,987,964, 6–13–61, Cl. 89—1.7.
Logan, David G., to Unilever Ltd. Remote impedance system apparatus for controlling dictating machines. 2,979,568, 4–11–61, Cl. 179—6.
Logan Engineering Co.: *See*—
Logan, Henry H. 2,969,130.
Logan, Hugh H., Doty, and Nelson. 2,999,249.
Logan, Hugh H., Nelson, Dixon, and Taube. 2,999,248.
Logan, Henry H., to Logan Engineering Co. Lathe control. 2,969,130, 1–24–61, Cl. 192—.02.
Logan Hospital Equipment Co.: *See*—
Buonaccorsi, Alphonse L. 3,004,777.
Logan, Hugh H., J. F. Nelson, E. F. Dixon, and J. A. Taube, to Logan Emergency Showers, Inc. Emergency wash facility. 2,999,248, 9–12–61, Cl. 4—166.
Logan, Hugh H., K. G. Doty, and J. F. Nelson, to Logan Emergency Showers Inc. Retractable emergency wash facility. 2,999,249, 9–12–61, Cl. 4—166.

Logan, James J., to The Bendix Corp. Electrical discharge device. 3,013,174, 12–12–61, Cl. 313—145.
Logan, James R., to The Bendix Corp. Method and means for ultrasonic activating of solvent and sand solution. 2,973,312, 2–28–61, Cl. 208—11.
Logan, James S., and A. Roaldi, to Olin Mathieson Chemical Corp. Stabilized liquid ozone. 3,006,733, 10–31–61, Cl. 23—222.
Logan, John A., to Ajax Magnethermic Corp. Hot water heaters. 2,969,451, 1–24–61, Cl. 219—38.
Logan, John E., to Chem-Metals, Inc. Protective coatings for galvanized members. 2,984,592, 5–16–61, Cl. 148—6.15.
Logan, John E., to The Wean Engineering Co., Inc. Hot dip aluminum coating. 3,000,756, 9–19–61, Cl. 117—51.
Logan, John H. Tree digger and container. 2,988,393, 6–13–61, Cl. 294—15.
Logan, John W., Jr., to True Temper Corp. Drag for fishing reels. 2,977,064, 3–28–61, Cl. 242—84.54.
Logan, John W., Jr., and C. E. Staples, to Westinghouse Air Brake Co. Railway car weight registry apparatus. 2,976,407, 3–21–61, Cl. 246—182.
Logan, John W., Jr., and R. J. Bush, to Westinghouse Air Brake Co. Railway traffic controlling apparatus. 3,004,528, 10–17–61, Cl. 121—157.
Logan, Joseph G., Jr., to United States of America, Navy. Wave engines. 3,008,292, 11–14–61, Cl. 60—39.76.
Logan, Laurence E. Vehicle suspension system having interconnected rocking axles. 3,001,798, 9–26–61, Cl. 280—104.
Logan Mfg. Co.: *See*—
Nelson, James F., Hunt, and Doty. 2,992,437.
Nelson, James F., Hunt, and Doty. 2,992,438.
Logan, Maurus C.: *See*—
Crimmins, David J., and Logan. 3,014,506.
Logan, Maurus C., to The Thomas & Betts Co. Terminal lugs. 2,984,818, 5–16–61, Cl. 339—272.
Logan, Richard S., to Phillips Petroleum Co. Filtration process. 3,006,952, 10–31–61, Cl. 260—504.
Logan, Richard W.: *See*—
Williams, Newton H. 2,974,413.
Logan, Robert P., to Dorr-Oliver Inc. Sludge treatment. 2,991,983, 7–11–61, Cl. 259—97.
Logan, William W., to McGraw-Edison Co. Discriminatory control network for recording systems. 3,014,991, 12–26–61, Cl. 179—100.1.
Logansport Machine Co.: *See*—
Becker, Robert E. 2,991,800.
Becker, Robert E. 2,998,021.
Becker, Robert E. 2,998,026.
Becker, Robert E. 3,008,686.
Loge, Lars. Security devices for the balance springs of watches. 2,997,841, 8–29–61, Cl. 58—107.
Logerot, René P., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Ejection nozzles having variable cross-sectional area. 3,000,178, 9–19–61, Cl. 60—35.6.
Logerot, René P., and H. G. Munzberg, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Multiple-flow jet-propulsion engines. 3,000,177, 9–19–61, Cl. 60—35.6.
Loges, Adolf, to Continental Gummiwerke Aktiengesellschaft. Feeding device for tire building drums. 2,981,309, 4–25–61, Cl. 154—9.
Logetronics, Inc.: *See*—
Craig, Dwin R. 2,969,723.
Craig, Dwin R. 2,985,086.
Craig, Dwin R. 2,988,978.
Folse, Kenneth H. 3,011,395.
Reed, Stanley F. 2,989,909.
Loggins, Reuben H.: *See*—
Bottoms, Paul H., Clapp, Loggins, and Stansbury. Re. 24,978.
Lo Giurato, Dominic D.: *See*—
Jacobs, Robert B., and Lo Giurato. 2,971,370.
Kapff, Sixt F., Lo Giurato, and Jacobs. 2,967,422.
Logsdon, Clyde W. Bite-indicating device for anglers. 3,012,352, 12–12–61, Cl. 43—17.
Logue, Joseph C.: *See*—
Bowers, John M., and Logue. 2,983,243.
Mackay, James B., Logue, and Emery. 2,990,539.
Logue, Joseph C., and H. C. Goodman, to International Business Machines Corp. Transistor gating circuit. 3,007,056, 10–31–61, Cl. 307—88.5.
Lohest, Hans: *See*—
Weber, Wolfgang, and Lohest. 2,978,195.
Lohman, Eugene W. Sectional duct type wireway construction. 2,982,570, 5–2–61, Cl. 285—397.
Lohman, Lester E.: *See*—
Williams, Edgar E., and Lohman. 2,974,634.
Lohman, Robert D.: *See*—
Sziklai, George C., and Lohman. 2,985,841.
Lohman, Robert D., to Radio Corp. of America. Multivibrator circuit. 2,974,238, 3–7–61, Cl. 307—88.5.
Lohmeyer, Walter G., to Dejur-Amsco Corp. Actuating mechanism for camera equipped with zoom lens. 3,002,422, 10–3–61, Cl. 88—16.
Lohnes, Howard E.: *See*—
MacDougall, Anne J., Lohnes, and Krekovich. 2,988,845.
Lohr, Raymond J.: *See*—
Hirsch, Mahlon E., and Lohr. 2,983,064.
Lohr, Thomas E., to General Motors Corp. Power-actuated tail gate. 3,004,757, 10–17–61, Cl. 268—74.
Lohrer, George H., to Canadian General Electric Co., Ltd. Squelch system. 2,997,580, 8–22–61, Cl. 250—20.
Lohrey, Edwin J., and L. A. Demchock, Sr., to General Electric Co. Lamp filament mounting apparatus. 2,984,266, 5–16–61, Cl. 140—71.6.
Lohrman, William V.: *See*—
Silver, Walter H., and Lohrman. 2,971,591.
Lohrman, William V., and W. E. Knapp, to Deere & Co. Hydraulic wheel drawbar. 2,995,385, 8–8–61, Cl. 280—412.
Lohrmann, Erich: *See*—
Hornstein, Victor, Lohrmann, Schneider, and Kusel. 2,977,058.
Lohs, Willy, F. Sommer, W. Lehmann, W. Haase, and W. Cordt, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Sealed-in contact relay. 2,978,556, 4–4–61, Cl. 200—104.
Lohs, Willy, F. Sommer, and G. Thom, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Telephone installation bay structure with sliding switch frames. 2,999,904, 9–12–61, Cl. 179—91.
Lokka, Jens L. Interconnection between trailer and hauling vehicle. 3,004,774, 10–17–61, Cl. 280—447.
Lok-Seal, Inc.: *See*—
Schultz, Charles A. 3,001,659.
Lok-Slide Wrench Co.: *See*—
Schlote, Ernest F. 2,993,398.
Lok-Tite Industries, Inc.: *See*—
Roseman, Milton. 2,970,397.
Roseman, Milton. 2,985,977.
Lollar, Robert M.: *See*—
Schubert, Adolf, Cohen, Delcamp, and Lollar. 2,975,018.
Lolmaugh, Orson B.: *See*—
Hopper, Robert J., and Lolmaugh. 3,010,103.
Loma Plastics, Inc.: *See*—
Ostrander, Robert K., Jr. 2,995,267.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Restricted service arrangements. 2,981,801, 4–25–61, Cl. 179—18.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Large capacity switches for use in multi-office telephone system. 2,987,578, 6–6–61, Cl. 179—18.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Inter-office trunking plan. 2,998,492, 8–29–61, Cl. 179—18.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Telephone party line lockout system. 2,994,742, 8–1–61, Cl. 179—17.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Two hundred terminal party line and PBX connector. 2,994,743, 8–1–61, Cl. 179—18.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Toll supervision. 2,994,744, 8–1–61, Cl. 179—27.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Discriminatory CLR trunk. 3,007,003, 10–31–61, Cl. 179—6.3.
Lomax, Clarence E., to Automatic Electric Laboratories, Inc. Prepay postpay paystation. 3,014,986, 12–26–61, Cl. 179—6.3.
Lombard, Charles F., and K. E. Green, to United Tanks, Inc. Safety cushion. 3,000,020, 9–19–61, Cl. 155—178.
Lombard Corp.: *See*—
Grossu, Mircea A. 3,002,255.
Lombard, Daniel L. 2,983,137.
Wells, Sheldon E., and Bartley. 2,983,373.
Lombard, Daniel L., to Lombard Corp. Hydraulic pipe testing machine. 2,983,137. 5–9–61, Cl. 73—49.1.
Lombard, Henry J., Jr.: *See*—
Saltz, Fred, and Lombard. 2,996,803.
Lombardi, Eugene H., to General Foods Corp. Coffee foam reduction. 2,975,056, 3–14–61, Cl. 99—71.
Lombardi, Leo. Rockerarm assembly for internal combustion motors. 2,970,585, 2–7–61, Cl. 123—90.
Lombardi, Louis J. Process for preparing alcohol modified melamine resin. 2,971,943, 2–14–61, Cl. 260—67.6.
Lombardi, Oliver M. Surface skimmer for swimming pools and method. 2,989,185, 6–20–61, Cl. 210—65.
Lombardino, Joseph G., W. M. McLamore, and G. D. Laubach, to Chas. Pfizer & Co., Inc. Derivatives of thiabenzopyrrocoline, thiabenzopyridocoline and thiazepine. 2,985,649, 5–23–61, Cl. 260—239.3.
Lombardo, Pietro. Sole for shoes, not slippery, particularly rubber-made. 2,981,011, 4–25–61, Cl. 36—59.
Lompe, Arved, and H. Dziergwa, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Low-pressure mercury vapor discharge lamp. 3,007,071, 10–31–61, Cl. 313—178.
Lonaberger, Robert F., to The Scan-O-Matic Co. Grinding apparatus and the like. 2,994,994, 8–8–61, Cl. 51—134.5.
Lone Star Boat Co.: *See*—
Crabb, John T. 2,984,201.
Rorie, George C., and Alford. 2,971,568.
Long, Adrian L.: *See*—
Bogar, Lawrence A., and Long. 2,967,634.
Long, Alan G., and S. Eardley, to Glaxo Laboratories Ltd. Steroid compounds. 3,004,995, 10–17–61, Cl. 260—397.45.
Long, Alan G., and J. S. Hunt, to Glaxo Laboratories Ltd. Process for the preparation of 2,4-dibromo allosteroids. 3,013,029, 12–12–61, Cl. 260—397.45.
Long, Austin K.: *See*—
Atwood, Kenneth F., Long, and Shobe. 2,978,424.
Long, Ben J. Under-ice fishing device. 3,001,313, 9–26–61, Cl. 43—4.

Long, Bernard, to Societe des Glaces de Boussois. Process for producing flat glass. 3,000,142, 9–19–61, Cl. 49—83.1.

Long, Bernard, to Glaces de Boussois. Process of manufacturing hollow glass bodies. 3,001,329, 9–26–61, Cl. 49—83.

Long, Cecil L., to E. I. du Pont de Nemours and Co. Process for making oriented films. 2,968,067, 1–17–61, Cl. 18—48.

Long, Edward D., to Long's Hair Conditioner, Inc. Mechanism for permanently conditioning hair. 2,988,091, 6–13–61, Cl. 132—31.

Long, Everett. Fuel element charging/discharging gear for nuclear reactors. 2,998,368, 8–29–61, Cl. 204—193.2.

Long, Everett, and R. S. Challender, to United Kingdom Atomic Energy Authority. Tanks for holding a coolant to be circulated through a nuclear reactor. 3,000,728, 9–19–61, Cl. 204—193.2.

Long, F. A., Co.: *See*—
Heckman, Donald R. 2,968,413.

Long, Fleming D., to Liberty Engineering Co. Medium fluter. 3,011,937, 12–5–61, Cl. 156—588.

Long, Francis J., to Imperial Chemical Industries Ltd. Process of emulsion polymerization of ethylenically unsaturated monomers utilizing Taylor ring flow pattern. 3,003,986, 10–10–61, Cl. 260—29.6.

Long, Francis V., and W. E. Owen; said Owen assor to said Long. Control system for pressurized conduits. 3,007,414, 11–7–61, Cl. 103—12.

Long, Franklin A., W. M. Hutchinson, and C. A. Thomas, said Long, and said Hutchinson assors., to United States of America, War; said Thomas assor., to Monsanto Chemical Co. Solid composite propellants containing chlorinated polyphenols and method of preparation. 3,014,796, 12–26–61, Cl. 149—19.

Long, George B.: *See*—
Brucken, Byron L., and Long. 2,978,190.
Gelfand, Louis, and Long. 2,985,003.

Long, George B., to General Motors Corp. Odor destroyer. 2,988,432, 6–13–61, Cl. 23—288.

Long, George E. Surveyor stake. 2,981,000, 4–25–61, Cl. 33—1.

Long, George R., to E. I. du Pont de Nemours and Co. Fluid twisting apparatus. 3,006,137, 10–31–61, Cl. 57—77.33.

Long, Hiram S., Jr., R. W. Childgey, Jr., and J. L. Rogers, to The Chemstrand Corp. Traverse control mechanism. 3,011,731, 12–5–61, Cl. 242—26.3.

Long, James, and W. R. Miller, to General Electric Co. Control system. 2,982,907, 5–2–61, Cl. 322—18.

Long, Jasper, to Wade Electric Products Co. Blower switch. 2,994,748, 8–1–61, Cl. 200—5.

Long, Jasper, to Wade Electric Products Co. Machine. 3,015,020, 12–26–61, Cl. 219—79.

Long, Jasper, and E. J. Laete, to Wade Electric Products Co. Switch. 2,975,250, 3–14–61, Cl. 200—67.

Long, John B., to Marmon-Herrington Co., Inc. Conveying mechanism. 2,984,333, 5–16–61, Cl. 198—102.

Long, John C. Elevator. 2,975,868, 3–21–61, Cl. 187—18.

Long, John C. Waste receptacle. 3,000,681, 9–19–61, Cl. 312—194.

Long, John V., and J. V. Furth, to Solar Aircraft Co. Protective coating methods and materials. 2,977,251, 3–28–61, Cl. 117—160.

Long, Joseph N., to The Vilter Mfg. Co. Hot gas defrosting system with gravity liquid return for refrigeration systems. 2,978,877, 4–11–61, Cl. 62—155.

Long, Lamar E., to Minnesota Mining and Mfg. Co. Primer coating compositions. 2,990,294, 6–27–61, Cl. 117—75.

Long, Lawrence H.: *See*—
Coleman, Richard A., and Long. 2,970,620.

Long, Loren M.: *See*—
Miller, Charles A., and Long. 2,993,835.
Miller, Charles A., and Long. 2,994,703.

Long Mfg. Co.: *See*—
Long, William R. 2,974,467.
Long, William R. 2,999,547.
Long, William R. 3,007,475.

Long, Olan L., and H. H. Dronberger, to Westinghouse Electric Corp. Dishwashing apparatus. 3,001,227, 9–26–61, Cl. 16—190.

Long, Paul J., Jr., to General Motors Corp. Hydraulic shock absorber with rebound cut-off. 3,007,550, 11–7–61, Cl. 188—88.

Long, Ralph B. Animal trap. 3,008,261, 11–14–61, Cl. 43–62.

Long, Ray W. Band protectors for vacuum bottle. 2,981,562, 4–25–61, Cl. 294—31.2.

Long, Robert B.: *See*—
Heath, Carl E., Skomoroski, and Long. 3,009,959.
Lang, Robert J., Long, Heath, and Skomoroski. 2,981,747.
Lucchesi, Peter J., and Long. 3,003,937.

Long, Robert B., C. E. Heath, Jr., and V. Kevorkian, to Esso Research and Engineering Co. Acetaldehyde manufacture. 2,974,173, 3–7–61, Cl. 260—604.

Long, Robert W. Mass spectrometer. 2,987,618, 6–6–61, Cl. 250—41.9.

Long, Roger A. Metallic compounds for use in high-temperature applications. 2,982,619, 5–2–61, Cl. 23—204.

Long, Russell F. Concrete batching plant structure. 2,967,629, 1–10–61, Cl. 214—2.

Long, Samuel W., and R. D. Moss, to The Dow Chemical Co. Bisphenol sulfide. 2,976,324, 3–21–61, Cl. 260—609.

Long, Samuel W., and R. D. Moss, to The Dow Chemical Co. Substituted phenolic sulfides. 2,976,325, 3–21–61, Cl. 260—609.

Long, Selma H., C. E. Tholstrup, and M. T. Watson, to Eastman Kodak Co. Polyester composition. 2,996,477, 8–15–61, Cl. 260—45.9.

Long, Spencer W., to Armco Steel Corp. Hook-block assembly. 2,980,400, 4–18–61, Cl. 254—192.

Long, Wendell P.: *See*—
Breslow, David S., and Long. 3,013,002.

Long, William J., to Dennison Mfg. Co. Printing machine having ink-ribbon reinking means. 2,969,865, 1–31–61, Cl. 197—171.

Long, William R., to Long Mfg. Co. Pickup and threshing unit for peanut combine. 2,974,467, 3–14–61, Cl. 56—19.

Long, William R., to Long Mfg. Co. Peanut digger and shaker. 2,999,547, 9–12–61, Cl. 171—101.

Long, William R., to Long Mfg. Co. Peanut combine. 3,007,475, 11–7–61, Cl. 130—30.

Longarzo, Roland P., and W. Kramer, Jr., to Ideal Aeroplane & Supply Co., Inc. Crossing gate. 2,990,636, 7–4–61, Cl. 39—92.

Longbotham, Thomas. Base leveling device. 2,979,857, 4–18–61, Cl. 45—139.

Longenecker, Ernst A., and J. R. Thorson, to ACF Industries, Inc. Hydro-pneumatic accumulator. 3,000,542, 9–19–61, Cl. 222—80.

Longenecker, Levi S. Interlocking chain wall. 2,987,856, 6–13–61, Cl. 50—429.

Longenecker, Levi S. Material handling. 3,003,650, 10–10–61, Cl. 214—35.

Longenecker, Levi S. Radial basic furnace roof. 3,005,423, 10–24–61, Cl. 110—99.

Longfellow, Earl. Gas appliance connector. 3,008,737, 11–14–61, Cl. 285—149.

Longfellow, Earl. Gas appliance connector. 3,008,738, 11–14–61, Cl. 285—329.

Longfield, James E.: *See*—
Saunders, Kenneth W., Longfield, and Ryder. 2,989,544.

Longfield, James E., and J. K. Dixon, to American Cyanamid Co. Reaction of cyanogen chloride with carboxylic acids and anhydrides thereof. 3,002,990, 10–3–61, Cl. 260—465.

Longhurst, George E., to United States of America, Atomic Energy Commission. Tool assembly with bi-directional bearing. 2,992,048, 7–11–61, Cl. 308—6.

Longines-Wittnauer Watch Co., Inc.: *See*—
Blank, Fritz A. 2,971,432.

Longland, Donald T., to Minneapolis-Honeywell Regulator Co. Static switching apparatus. 3,002,106, 9–26–61, Cl. 307—88.

Longley, Raymond I., Jr.: *See*—
Gethins, John M., and Longley. 2,995,535.

Longman, Harold H.: *See*—
Clyde, Lancelot H. R., Hodge, and Longman. 2,973,144.

Longmire, Conrad L.: *See*—
Boyer, Keith, Hammel, Longmire, Nagle, Ribe, and Tuck. 3,005,767.

Longmire, Marion A. Continuous electrical outlet. 2,979,686, 4–11–61, Cl. 339—21.

Longo, Louis P.: *See*—
Brook, Niles J., and Longo. 3,005,458.

Longobardi, Joseph W.: *See*—
Reeder, Richard D., and Longobardi. 2,979,229.

Long's Hair Conditioner, Inc.: *See*—
Long, Edward D. 2,988,091.

Longsfield Bros. Inc.: *See*—
Fielding, Francis W. 3,014,636.

Longstreet, Charles S., to The Bendix Corp. Fuel control device for combustion engines having means for avoiding compressor stall. 3,002,350, 10–3–61, Cl. 60—39.28.

Longstreet, Charles S., to The Bendix Corp. Fuel supply system. 3,011,310, 12–5–61, Cl. 60—39.28.

Longstreth, Murrey O.: *See*—
Tollar, James E., and Longstreth. 3,011,214.

Longstreth, William G., and R. A. Van Patten, to Ford Motor Co. Nodular iron manufacture. 3,001,869, 9–26–61, Cl. 75—130.

Longwell, John P.: *See*—
Frost, Edward E., Hottel, and Longwell. 2,971,605.
Kolfenbach, John J., and Longwell. 2,974,475.
Weiss, Malcolm A., and Longwell. 2,989,380.

Longwell, John P., to United States of America, Navy. Combustor apparatus. 2,990,686, 7–4–61, Cl. 60—39.65.

Lonier, Isadore P.: *See*—
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Lonnqvist, Jarl R. Stay-rod for tents. 2,976,876, 3–28–61, Cl. 135—3.

Lonza Electric and Chemical Works Ltd.: *See*—
Guyer, August and Pio, and Walther. 2,993,010.
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Voigt, Wilfried. 3,008,186.
Voigt, Wilfried. 3,009,200.
Voigt, Wilfried, and Holch. 3,002,430.
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Lonzi, Agostino. Apparatus for cooking food of the grill pan type. 2,989,915, 6–27–61, Cl. 99—391.

Loofbourrow, Alan G., L. M. Ball, F. J. Finkenauer, Jr., and C. C. Jackson, to Chrysler Corp. Swivel seat actuating mechanism for an automobile. 2,992,852, 7–18–61, Cl. 296—68.

Looker, Robert, to Brown-Line Corp. Grooved pin with reformable collar to accommodate various thicknesses. 2,978,946, 4–11–61, Cl. 85—5.

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Looman, Johannes, H. Hofer, and W. Thiemig, to Zahnradfabrik Friedrichshafen, Aktiengesellschaft. Diamond truing device for profiling grinding disks with a grinding of helical single curve spur gears. 2,975,781, 8–21–61, Cl. 125—11.

Loomans, David C. Steam injection heater employing a plurality of heating units. 3,005,626, 10–24–61, Cl. 261—64.

Loomis, Barbara J. Baby tender. 3,004,793, 10–17–61, Cl. 297—274.

Loomis, Frederick D., to Pennsalt Chemical Corp. Process for the separation of aluminum from silicon in aluminum silicate ores. 3,006,723 10–31–61, Cl. 23—88.

Loomis, George N. Fertilizer distributor. 2,984,389, 5–16–61, Cl. 222—236.

Loomis, Jack E., to Clark Equipment Co. Freight handling means and method. 3,014,604, 12–26–61, Cl. 214—38.

Loomis Machine Co.: *See*—
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Loomis, Martin, and Abbott. 3,006,008.
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Loomis, Martin, and L. M. Abbott, to Loomis Machine Co. Loading ramp. 2,994,894, 8–8–61, Cl. 14—71.

Loomis, Martin, and L. M. Abbott, to Loomis Machine Co. Dock board construction used as self adjusting bridge between truck and dock. 3,006 008, 10–31–61, Cl. 14—71.

Loomis, Robert C., to Econolite Corp. Connector for pendent structures and the like. 2,970,289, 1–31–61, Cl. 340—84.

Loomis, Robert F., to Fuller Co. Conveying apparatus. 3,009,745, 11–21–61, Cl. 302—52.

Loomis, Russell M., A. G. Kuellmar, and J. S. Lundvall, to Union Asbestos & Rubber Co. Lading separating means. 3 005,419. 10–24–61, Cl. 105—376.

Looney, Duncan H., and R. H. Meinken, to Bell Telephone Laboratories, Inc. Magnetic memory device and method of manufacture. 2,981,932, 4–25–61, Cl. 340—174.

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Looney, Joseph M., Jr., A. Fraser, and R. M. Martin, to Technology Instrument Corp. Rectilinear potentiometers. 2,979,684, 4–11–61, Cl. 338—183.

Loos, Hendricus G., to Plasmadyne Corp. Apparatus and method for generating and containing plasma having ultra-high temperatures. 3,009,080, 11–14–61, Cl. 315—111.

Loos, Horst R., to Statni vyzkumny ustav tepelne techniky Praha. Devices for non-destructive ultrasonic testing of material. 2,984,098, 5–16–61, Cl. 73—67.9.

Looschen, Floyd W., to Western Gear Corp. Automatic control system for perforating machines and the like. 2,994 783 8–1–61, Cl. 250—219.

Loose, Winfield W., to Philco Corp. Phonograph apparatus. 2,969,239, 1–24–61, Cl. 274—10.

Lopata, Ira L., to Homogenette, Inc. Infinitely and positively adjustable metering driving mechanism. 3,002,599, 10–3–61, Cl. 192—148.

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Helgeson, Virgil L., and Loper. 2,985,378.
Helgeson, Virgil L., and Loper. 2,988,816.
Helgeson, Virgil L., and Loper. 2,988,960.
Helgeson, Virgil L., and Loper. 2,995,985.

Loper, George B., to Socony Mobil Oil Co., Inc. Seismic display system. 2,991,446, 7–4–61, Cl. 340—15.

Lopes, Anthony. Snow clearing device. 2,994,896, 8–8–61, Cl. 15—82.

Lopez, John, to Universal Corrugated Box Machinery Corp. Stack ejecting mechanism. 3,005,560, 10–24–61, Cl. 214—6.

Lopez, John P., to Universal Corrugated Box Machinery Corp. Feeding equipment. 2,995,361, 8–8–61, Cl. 271—32.

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Lo Presti, Roy F., to Goodman Mfg. Co. Means for swinging freely suspended roller assemblies. 3,002,606, 10–3–61, Cl. 198—202.

Lo Presti, Roy F., to Goodman Mfg. Co. Belt training troughing idler assembly for endless belt conveyors. 3,004,652, 10–17–61, Cl. 198—202.

Lo Presti, Roy F., to Goodman Mfg. Co. Flexible strand conveyor system with compensating spreader bar assembly. 3,010,566. 11–28–61, Cl. 198—184.

Lo Presti, Roy F., to Goodman Mfg. Co. Flexible strand sideframe conveyor. 3,010,567, 11–28–61, Cl. 198—192.

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Lorch, Allen E. Hand guard for hacksaw operators. 3,009,497, 11–21–61, Cl. 145—35.

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Lord, Arthur V., and R. F. Vigurs, to Marconi's Wireless Telegraph Co. Ltd. and Standard Telephones & Cables Ltd. Quantising of television signals. 2,996,581, 8–15–61, Cl. 179—15.55.

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Lord, Edward J. Wire reel divider. 2,972,454, 2–21–61, Cl. 242—110.2.

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Lord, Joseph S., to Instrumental Development Laboratories, Inc. Conducting viscous fluid. 3,003,976, 10–10–61, Cl. 252—518.

Lord, Kenneth B., to Minneapolis-Honeywell Regulator Co. Control method and apparatus. 3,004,880, 10–17–61, Cl. 156—64.

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Painter, Giles W. 2,981,997.
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Lord, Richard C., to International Business Machines Corp. Spring drive apparatus. 3,014,555, 12–26–61, Cl. 185—43.

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Joseph, Maurice J., Cox, and Klein. 2,970,743.
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Loree, William A. Apparatus for tree treatment and fertilizing. 2,996,841, 8–22–61, Cl. 47—1.

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Schliephacke, Fridtjof F. 2,999,719.
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Schliephacke, Fridtjof F. 3,005,661.
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Lorenz, Anton. Reclining article of furniture. 2,978,011, 4–4–61, Cl. 155—106.

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Lorenz, Arthur C., to Link-Belt Co. Rotary plow feeder. 2,989,171, 6–20–61, Cl. 198—212.
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Lorenz, Donald L., and W. V. Edwards, to Thompson Ramo Wooldridge Inc. Strainer construction for a pump. 2,969,019, 1–24–61, Cl. 103—5.
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Lorenz, Herman A., and I. H. Levin, deceased (by R. H. Classen, administrator), to Independent Engineering Co., Inc. Method and apparatus for the production of argon. 2,990,689, 7–4–61, Cl. 62—22.
Lorenz, John W., to The Trane Co. Fan control. 3,004,484, 10–17–61, Cl. 98—116.
Lorenz, Leo J., to Massey-Ferguson Inc. Battery mounting for tractors. 3,003,573, 10–10–61, Cl. 180—68.5.
Lorenz, Lothar, and H.-M. Weitz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Solvents for the separation of diolefines from mixtures of hydrocarbons. 3,001,608, 9–26–61, Cl. 183—115.
Lorenz, Walter, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. O,O-dimethyl-S-(isopropylcarbaminylmethyl)-dithio-phosphoric acid ester. 2,995,595, 8–8–61, Cl. 260—461.
Lorenz, Walter, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorous acid esters. 3,008,976, 11–14–61, Cl. 260—461.
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Loretan, Edouard, to Parechoc S.A. Shock-absorbing bearing for movable elements of small mechanisms. 2,996,339, 8–15–61, Cl. 308—159.
Loretan, Edouard, to Parechoc S.A. Shock-absorbing bearing for movable elements of small mechanisms, notably of measuring instrument. 3,005,667, 10–24–61, Cl. 308—159.
Lorett, Jerzy A., and A. Frankel, to The English Electric Co. Ltd. Gas turbines. 2,996,279, 8–15–61, Cl. 253—39.1.
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Loria, Anthony, W. A. Reckhow, and I. F. Salminen, to Eastman Kodak Co. Two-equivalent magenta-forming couplers for color photography. 3,006,759, 10–31–61, Cl. 96—55.
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Parmele, Harris B., Block, Jensen, and Breitmeier. 3,012,302.
Lorimer, William. Water filter. 2,997,178, 8–22–61, Cl. 210—266.
Lornitzo, Frank C., to Pantex Mfg. Corp. Valve. 2,970,612, 2–7–61, Cl. 137—620.
Lornson, Gordon J. Air powered water vehicle. 2,996,030, 8–15–61, Cl. 114—66.5.
Lorrig, Robert J., and C. K. Stenerson, to Motorola, Inc. Remote capacitor switching system. 3,002,146, 9–26–61, Cl. 323—105.
Lortz, Don C., and F. H. Ashworth, to Idaho Falls Steel Products Co. Apparatus for potting plant seeds, seedlings and the like. 3,012,370, 12–12–61, Cl. 47—1.
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Lossev, Maria. Eye actuating device for toys with movable eyes. 2,979,859, 4–18–61, Cl. 46—135.
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Lothrop, John W., E. M. Purcell, and S. B. Whittier, to Polaroid Corp. Automatic camera shutter mechanism. 2,995,073, 8–8–61, Cl. 95—10.
Lott, John E., to American Mfg. Co. of Texas. Multiple completion pumping unit. 2,997,887, 8–29–61, Cl. 74—41.
Lott, Peter H., to Utah-Idaho Sugar Co. Method of and apparatus for liquifying granular materials. 2,975,038, 3–14–61, Cl. 23—309.
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Lotz, Harry E. Combined travelling case and head protector. 2,979,170, 4–11–61, Cl. 190—42.
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Loughlin, Bernard D., to Hazeltine Research, Inc. Detector circuit. 2,976,409, 3–21–61, Cl. 250—20.
Loughlin, Bernard D., to Hazeltine Research, Inc. Apparatus for converting a vestigial-side-band carrier to a double-side-band carrier. 2,987,617, 6–6–61, Cl. 250—20.
Loughlin, Bernard D., to Hazeltine Research, Inc. Chrominance subcarrier component-selection system. 3,002,049, 9–26–61, Cl. 178—5.4.
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Loughran, Robert T., and W. P. Burton, to The M. W. Kellogg Co. Pretreatment of molybdenum oxide catalyst employed in the reforming of hydrocarbons. 2,968,612, 1–17–61, Cl. 208—136.
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Corren, Sidney A., Louis, and Coler. 3,009,980.
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Loux, Harvey M., to E. I. du Pont de Nemours and Co. Process for manufacture of certain alkyl esters of benzimidazole carbamic acids. 3,010,968, 11–28–61, Cl. 260—309.2.

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Love, Allan W., R. W. Baldwin, and A. A. Brant, to Newmont Mining Corp. Method and apparatus for geophysical exploration. 2,988,690, 6–13–61, Cl. 324—1.

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Love, John W. Manually propelled watercraft. 2,998,798, 9–5–61, Cl. 115—23.

Love, Millard. Cutter head for a tire grooving machine. 2,995,183, 8–8–61, Cl. 154—13.

Love, Phil P.: *See*—
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Love, Phil P., to The Glacier Metal Co. Ltd. Plain bearings. 3,011,838, 12–5–61, Cl. 308—122.

Love, Phil P., and M. J. Neale, to The Glacier Metal Co. Ltd. Bearing assemblies. 3,008,776, 11–14–61, Cl. 308—121.

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Lovegrove, Henry J., to Sangamo Electric Co. Electrically driven timing mechanisms. 3,002,336, 10–3–61, Cl. 58—26.

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Loveland, Chester L., and P. J. Thomas, to E. I. du Pont de Nemours & Co. Yarn-treating apparatus. 2,994,938, 8–8–61, Cl. 28—1.

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Loveless, John H., to United States of America, Navy. Air servo valve. 2,994,334, 8–1–61, Cl. 137—102.

Loveless, Robert B. Electric hammer. 2,967,302, 1–10–61, Cl. 1—47.

Lovell, Clarence A.: *See*—
Feiner, Alexander, Lovell, Lowry, and Ridinger. 2,995,637.
Ketchledge, Raymond W., and Lovell. 3,002,066.

Lovell, Donald J., to The Bendix Corp. Electro-optical position indicator system. 2,997,699, 8–22–61, Cl. 340—190.

Lovell, Hugh F. Safety fishhook container and dispenser. 3,005,574, 10–24–61, Cl. 221—310.

Lovell, Jack: *See*—
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Lovell, Lyle M.: *See*—
Haxton, Manford R., Lovell, and Kitchens. 2,989,462.

Lovell Mfg. Co.: *See*—
Kauffman, Walter L., II. 2,991,642.
Miller, Raymond G., and Brandt. 2,978,894.

Lovell, Robert C.: *See*—
Fischer, John C., and Lovell. 3,014,631.

Lovell, Stanley P., to Baker Plastic Containers, Inc. Stacking case and tote box of plastic material. 3,002,650, 10–3–61, Cl. 200—97.

Lovely, John W., to Bryant Chucking Grinder Co. Apparatus for making a dual diameter ring gage or the like. 3,001,335, 9–26–61, Cl. 51—101.

Lovens Kemiske Fabrik ved A. Kongsted: *See*—
Godtfredsen, Wagn O., and Liisberg. 2,996,523.
Kieldgaard, Niels O., and Ploug. 2,983,647.
Nielsen, Erling J. 2,974,136.

Lovercheck, Charles L. Dual engine. 2,971,402, 2–14–61, Cl. 74—665.

Lovercheck, Charles L. Tank having a photographic development machine. 2,993,427, 7–25–61, Cl. 95—96.

Loverde, Lawrence V., to Oak Mfg. Co. Vibrator. 2,972,070, 2–14–61, Cl. 310—25.

Lovett, John R.: *See*—
Hill, Ralph M., Kelley, and Lovett. 3,000,990.

Lovett, John R., J. M. Kelley, Jr., and D. D. Perlmutter, to Esso Research and Engineering Co. Deashing polymers with organic cyanides. 3,010,952, 11–28–61, Cl. 260—93.7.

Lovett, Joseph L., to Raytheon Co. Audible fish alarms. 2,998,591, 8–29–61, Cl. 340—1.

Lovett, William E., R. W. Walker, and J. M. Jordan, to Esso Research and Engineering Co. Anti-icing gasoline. 2,981,614, 4–25–61, Cl. 44—56.

Lovett, William E., and R. F. Neblett, to Esso Research and Engineering Co. Gasolines containing combustion chamber deposit modifiers. 2,989,386, 6–20–61, Cl. 44—69.

Lovick, Robert C., to United States of America, Navy. Method of testing a proximity fuze. 2,977,590, 3–28–61, Cl. 343—17.7.

Lovin, Leak G., Jr.: *See*—
Wenzell, Louis P., Jr., and Lovin. 2,978,785.

Loving, Frank A., Jr.: *See*—
Andrews, Alday B., and Loving. 3,009,526.

Lovinger, Daniel: *See*—
Hume, Roger E., and Lovinger. 3,010,050.

Lovins, Gerald H., to Curtiss-Wright Corp. Crystal growing apparatus. 2,990,256, 6–27–61, Cl. 23—273.

Lovisek, Louis J., to General American Transportation Corp. Methods of forming by punching a cruciform recess in a headed fastener. 2,986,752, 6–6–61, Cl. 10—27.

Lovness, Donald E.: *See*—
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Lovoff, Adolph. Method of and means for horizon stabilization. 2,999,161, 9–5–61, Cl. 250—83.3.

Lovret, Frederick I., to L & M Space Research and Electronics Corp. Tuner for radio and television receiving sets. 2,977,468, 3–28–61, Cl. 250—40.

Lövstedt, Stig A., to Olof Lakander & Co. Aktiebolag. Welding electrode holders. 2,997,572, 8–22–61, Cl. 219—142.

Low, Emery M.: *See*—
Ferguson, Ronald W., Low, and Thut. 2,996,979.

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Low, Frederick G., to E. I. du Pont de Nemours and Co. Process of phosphating in a trichlorethylene vapor zone. 2,992,146, 7–11–61, Cl. 148—6.15.

Low, Hans: *See*—
Reynolds, William W., and Low. 3,007,873.
Reynolds, William W., and Low. 3,014,869.
Reynolds, William W., and Low. 3,014,870.

Low, Keith R.: *See*—
Evans, William H., and Low. 2,987,651.

Lowd, Judson D.: *See*—
Glasgow, Clarence O., Walker, Lowd, and De Young. 3,009,537.

Lowe, Charles E., to General Motors Corp. Emitter follower transistor oscillator. 2,972,116, 2–14–61, Cl. 331—117.

Lowe, Charles S., and J. D. Nickerson, to Union Carbide Corp. Method and mix composition for producing oxidation resistant carbon articles. 2,989,408, 6–20–61, Cl. 106—56.

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Rockland, Louis B., and Lowe. 3,005,719.

Lowe, Edison, to United States of America, Agriculture. Method and apparatus for vacuum dehydration. 2,996,114, 8–15–61, Cl. 159—7.

Lowe, Edison, W. C. Rockwell, and W. E. Hamilton, to United States of America, Agriculture. Filter press. 3,000,294, 9–19–61, Cl. 100—121.

Lowe, Ernest, to Thermo-Technical Development Ltd. Flue sealing means for use in conduits having unidirectional gas flow. 2,988,083, 6–13–61, Cl. 126—285.

Lowe, Ernest, to Amereng Development Corp. Curtain dampers. 2,996,063, 8–15–61, Cl. 126—285.

Lowe, George, to De Walt, Inc. Safety brake for power tool. 2,989,675, 6–20–61, Cl. 318—212.

Lowe, Jack M., to Dunlop Tire and Rubber Corp. Apparatus for the manufacture of pneumatic tyres. 3,002,874, 10–3–61, Cl. 156—397.

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Becker, George D., and Lowe. 2,994,431.

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McNeely, William H., and Lowe. 2,976,274.

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Lowe, Theodore M., to The Bendix Corp. Valve. 2,968,285, 1–17–61, Cl. 121—45.

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Stuart, Frank A., Stewart, and Lowe. 2,993,032.

Lowe, Warren, and F. A. Stuart, to California Research Corp. Lubricant containing copolymer viscosity index improver. 2,994,663, 8–1–61, Cl. 252—56.

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Allen, Charles F. H., and Lowe. 2,983,609.
Allen, Charles F. H., Lowe, and Sagal. 2,983,610.

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Raskhodoff, Nicholas M., and Lowell. 2,998,730.

Lowell, Arthur I., A. J. Buselli, and W. H. Taylor, to Air Reduction Co., Inc. Vinyl alcohol-crotonic acid copolymers. 3,005,809, 10–24–61, Cl. 260—85.7.

Lowell, Benjamin W. Securing device for speaker baffles. 2,978,079, 4–4–61, Cl. 189—88.

Lowell, Benjamin W. Loud speaker baffle having improved low frequency reproduction characteristics. 2,982,372, 5–2–61, Cl. 181—31.

Lowell, Rudolph L.: *See*—
McElhinney, Eric M., and Kucera. 3,011,793.

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Back, Frank G., and Lowen. 2,970,516.

Lowenstein, Herbert M.: *See*—
Argersinger, John I., and Lowenstein. 3,004,529.

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Lowenthal, Hans, to Calibri Lighters Ltd. Gas-burning cigarette lighters and fuel refill containers for use with such lighters. 2,989,091, 6–20–61, Cl. 141—18.

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Polk, Isaac H., and Koch. 2,974,776.
Lower, Mary E. Speed and mileage recording system. 2,981,585, 4–25–61, Cl. 346—18.
Lowery, Charley. Emulsion breaker injector. 2,970,967, 2–7–61, Cl. 252—360.
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Monroe, Roger F., and Lowes. 2,993,865.
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Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,863.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,864.
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Lowman, Walker B., to Industrial Nucleonics Corp. Cigarette rod cutter and cigarette counter. 2,999,520, 9–12–61, Cl. 146—101.
Lowrance, John L., to The Bendix Corp. Electrical timing control apparatus. 2,971,332, 2–14–61, Cl. 60—39.14.
Lowrance, John L., to The Bendix Corp. Bi-stable electric switching system. 2,972,090, 2–14–61, Cl. 317—148.5.
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Lowrey, Wallace W., G. T. Cendrick, Jr., R. J. McQuilkin, and J. H. Klopp; said McQuilkin assor. to said Lowrey, said Cendrick, and said Klopp. Multi-engine aircraft feather indicating system. 2,973,042, 2–28–61, Cl. 170—135.24.
Lowry, John A., to The Jeffrey Mfg. Co. Means for diffusing a gas in a liquid. 2,986,383, 5–30–61, Cl. 261—124.
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Lowry, Terrell N., to Bell Telephone Laboratories, Inc. Synchronization check circuit. 2,979,574, 4–11–61, Cl. 179—175.2.
Lowther, Wilfred W., to Novo Industrial Corp. Air cleaner and method. 3,006,437, 10–31–61, Cl. 183—36.
Lowther, Wilfred W., to Novo Industrial Corp. Dry air cleaner. 3,013,629, 12–19–61, Cl. 183—34.
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Lubben, George F., and N. R. Richmond, to The Kaman Aircraft Corp. Rotor isolation and air supply mechanism for a helicopter. 2,994,495, 8–1–61, Cl. 244—17.27.
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Higgins, William A., and Le Suer. 3,000,822.
Le Suer, William M. 2,968,642.
Le Suer, William M. 3,001,981.
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Mastin, Thomas W. 2,971,014.
Mastin, Thomas W. 2,989,463.
Mastin, Thomas W. 3,013,969.
Mastin, Thomas W. 3,013,970.
Mastin, Thomas W. 3,013,971.
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Green, Stanley. 2,989,620.
Lawrence, Owen N. 3,000,436.
Salgo, Leslie, and Kitchen. 3,005,485.
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Lucas, Joseph E., to De Long Corp. Well drilling and servicing barge including bridge and rig structure and methods. 3,001,592, 9–26–61, Cl. 175—8.
Lucas, Joseph E., to De Long Corp. Multi-purpose derrick barge and method of use in oil well drilling and servicing. 3,001,595, 9–26–61, Cl. 175—9.
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Lucas, Kenneth E., and H. O. Folkins, to The Pure Oil Co. Method of preparing a catalyst support. 3,004,929, 10–17–61, Cl. 252—442.
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Lucas, Pierre M., and A. A. Sautel. Remote line concentrator. 2,981,802, 4–25–61, Cl. 179—18.
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Lucas, Robert A., to Ciba Pharmaceutical Products, Inc. Deserpidic acid esters. 2,995,556, 8–8–61, Cl. 260—287.
Lucas, Samuel W. Apparatus for throwing discrete substances. 2,979,185, 4–11–61, Cl. 198—128.
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Lucia, Carroll J., G. U. Ray, and I. Maxon, to Dura Corp. Rotary cutter with fluid transmission. 2,974,470, 3–14–61, Cl. 56—25.4.
Lucia, Carroll J., and I. Maxon, to Dura Corp. Rotary cutter. 3,005,302, 10–24–61, Cl. 56—25.4.
Lucie, Evelyn G., and W. H. Popp; said Popp assor. to said Lucie. Fluid dispensing assembly. 3,010,454, 11–28–61, Cl. 128—251.
Lucien, Rene, to Societe a responsabilite limitee: Recherches Etudes Production R.E.P. Inertia responsive switch. 2,975,248, 3–14–61, Cl. 200—61.46.
Lucien, Rene, to Societe a responsabilite limitee: Recherches Etudes Production R.E.P. Rotary swash-plate type pump. 2,982,218, 5–2–61, Cl. 103—42.
Lucien, Rene. Retractable landing gear. 2,982,500, 5–2–61, Cl. 244—102.
Lucien, Rene, to Societe a Responsabilite limitee: Recherches Etudes Production R.E.P. Automatic control device for braking the wheel of an aircraft. 3,001,744, 9–26–61, Cl. 244—111.
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Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. Nematocide. 3,007,843, 11–7–61, Cl. 167—22.
Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. Method and composition for controlling nematodes employing dithiooxamide. 3,010,870, 11–28–61, Cl. 167—22.
Lucker, Millard B., to Auto Specialties Mfg. Co. Lifting jack. 2,980,397. 4–18–61, Cl. 254—99.
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Lückerath, Werner, and G. Graue, to Phoenix-Rheinrohr Aktiengesellschaft Vereinigte Huttenund Rohrenwerke. Metal treating process employing a heat-resistant lubricant composed of alkali metal borate and alkali metal phosphate. 2,990,610, 7–4–61, Cl. 29—528.
Luckey, George W., and J. C. Hoppe, to Eastman Kodak Co. Photographic elements having improved sensitivity. 2,996,382, 8–15–61, Cl. 96—68.
Luckey, Manley J. Apparatus for determining alcohol content of gasses. 3,009,786, 11–21–61, Cl. 23—254.
Luckhardt, Johannes, deceased, by W. Luckhardt, administrator, to Anton Lorenz. Article of repose for supporting the body of a person. 2,978,010, 4–4–61, Cl. 155—106.
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Ludbrook, Leslie C., to The British Thomson-Houston Co. Ltd. Low frequency electrical generators. 2,968,758, 1–17–61, Cl. 321—68.
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Hunt, Wilson W., Ludington, and Amos. 3,004,900.
Ludloff, Wolfgang, to Gesellschaft fur Multiblitz-Gerate, Dr. Ing. D. A. Mannesmann m.b.H. Electronic flash-light unit for use in photography. 2,983,849, 5–9–61, Cl. 315—230.
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Ludlow, Thomas B.: *See*—
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Ludwig, Clarence H. Blade sharpening apparatus. 2,972,840, 2–28–61, Cl. 51—248.
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Ludwig, John R., to Dana Corp. Sleeve spring damper. 2,984,091, 5–16–61, Cl. 64—27.
Ludwig, Louis. Electrical connectors. 2,975,392, 3–14–61, Cl. 339—99.
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Ludwig, Oskar R., and A. Pezone. Room divider partitions. 2,999,568, 9–12–61, Cl. 189—34.
Ludwig, Ralph E., and D. D. Dalrymple, to National Forge Co. Apparatus for electroplating crankshaft journals. 2,979,452, 4–11–61, Cl. 204—212.
Ludwig, Richard E., to E. I. du Pont de Nemours and Co. Reaction product of N-glycidyl-phthalimide and a dianhydride compound, process for preparing same, and modification thereof. 2,999,836, 9–12–61, Cl. 260—42.
Ludwig, Saul. Shaped knitted collars and methods of manufacture thereof. 2,981,086, 4–25–61, Cl. 66—172.
Ludwig, Walter D. Double plunger solenoid valve. 3,012,578, 12–12–61, Cl. 137—623.
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Lueders, Robert W., to Armstrong Cork Co. Insulated structure. 2,980,279, 4–18–61, Cl. 220—9.
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Luehrs, Hans J., to The Cottrell Co. Blanket clamping assemblies for web off set rotary printing presses, or letter presses. 2,980,016, 4–18–61, Cl. 101—415.1.
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Luft, Norbert W., and D. Y. Waddan, to Shell Oil Co. Process for polymerizing olefins. 2,981,725, 4–25–61, Cl. 260—93.7.
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Lugli, Giuseppe, to Pirelli Societa per Azioni. Pneumatic tyres. 2,985,214, 5–23–61, Cl. 152—176.
Luhn, Hans P., to International Business Machines Corp. Information searching device. 2,969,876, 1–31–61, Cl. 209—110.

Luhn, Hans P., to International Business Machines Corp. Method of making circuit panels. 2,981,981, 5–2–61, Cl. 18—59.
Luhn, Hans P., E. S. Wilson, W. L. Stahl, D. P. Berg, and W. S. Dustman, to International Business Machines Corp. Electronic searching selector. 2,994,429, 8–1–61, Cl. 209—111.5.
Luhrs, Charles H., to General Precision Inc. Micro wave valves. 2,983,883, 5–9–61, Cl. 333—24.
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Ma, James L. 2,995,816.
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Luker, William D., to E. I. du Pont de Nemours and Co. Dielectric sheet material and method of making same. 2,987,101, 6–6–61, Cl. 154—2.6.
Lukes, Robert M., to General Electric Co. Copper plating process and solution. 2,996,408, 8–15–61, Cl. 117—71.
Luketa, Frank J. Door-securing stanchion for trawlers. 3,006,097, 10–31–61, Cl. 43—8.
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Lum, Funston G., to California Research Corp. Process for the preparation of polymeric materials of the polyamide type. 2,997,463, 8–22–61, Cl. 260—78.
Lum, Funston G., to California Research Corp. Separation of aliphatic acids. 3,002,018, 9–26–61, Cl. 260—537.
Lum, Funston G., to California Research Corp. Aliphatic acid separation. 3,002,019, 9–26–61, Cl. 260—537.
Lum, Funston G., to California Research Corp. Separation of isomeric aliphatic dicarboxylic acids of ten carbon atoms. 3,002,020, 9–26–61, Cl. 260—537.
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Lundahl, Ernest W. Communication device. 2,993,991, 7–25–61, Cl. 250—20.
Lundahl, Ezra C., to Ezra C. Lundahl, Inc. Vertically adjustable tandem type running gear for vehicles. 3,003,780, 10–10–61, Cl. 280—43.
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Lundahl, Ezra C. 3,003,780.
Lundberg, George A. Ceiling construction. 2,976,971, 3–28–61, Cl. 189—85.
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Lundell, Arnold W., to Globe Slicing Machine Co., Inc. Supports for chutes on a slicing machine. 2,970,623, 2–7–61, Cl. 146—102.
Lundell, Arnold W., to Globe Slicing Machine Co., Inc. Guards for rotary knives of slicing machines. 2,970,624, 2–7–61, Cl. 146—102.
Lundell, Arnold W., to Globe Slicing Machine Co., Inc. End weight supports and controls for slicing machines. 2,970,625, 2–7–61, Cl. 146—102.
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Pardo, Clay E., Jr., and Lundgren. 3,005,730.
Lundgren, Harold P., N. H. Koenig, and C. E. Pardo, Jr., to United States of America, Agriculture. Method of setting woolen textiles. 2,987,370, 6–6–61, Cl. 8—128.
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Lundgren, Herbert K. Window sash hanger. 3,008,179, 11–14–61, Cl. 16—202.
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Lundgren, Sven-Olof, to Stiftelsen Svensk Textilforskning. Apparatus for washing wool. 2,975,625, 3–21–61, Cl. 68—18.
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Lundin, Henry O. I. Cheese cutters. 2,984,007, 5–16–61, Cl. 31—22.
Lundin, John A., G. P. Maselli, and H. D. Zuerndorfer, to General Precision Inc. Mirror landing system. 3,003,451, 10–10–61, Cl. 114—43.5.
Lundkvist, Karl A., E. A. Ericsson, K. G. Johnson, and H. V. Alexandersson, to Telefonaktiebolaget LM Ericsson. Selecting means in cross bar switches. 3,001,023, 9–19–61, Cl. 179—27.54.
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Lundry, Walter R., to Bell Telephone Laboratories, Inc. Delay network. 2,991,425, 7–4–61, Cl. 330—107.
Lundskow, Luke G., to A. O. Smith Corp. Apparatus for the application of a liquid binder to a wound tubular article. 2,995,175, 8–8–61, Cl. 154—1.8.
Lundsted, Lester G., to Wyandotte Chemicals Corp. Nitrogen-containing polyoxyalkylene detergent compositions. 2,979,528, 4–11–61, Cl. 260—584.
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Lung, Kenneth R., to The Tait Mfg. Co. Starting switch for submersible pumps. 2,997,609, 8–22–61, Cl. 310—87.
Lunig, Hermann, to Demag-Elektrometallurgie G.m.b.H. Arc furnace electrode control means. 2,976,453, 3–21–61, Cl. 314—69.
Luning, Alfred O. Antibacklash gears. 2,966,806, 1–3–61, Cl. 74—409.
Luning, Alfred O. Shock-absorbing, torque-transmitting device. 3,013,413, 12–19–61, Cl. 64—27.
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Lüscher, Paul. Container for the warming-up of piled objects, in particular dishes and plates. 2,992,873, 7–18–61, Cl. 312—276.
Luscher, Paul, to Sodeco Societe des Compteurs de Geneve. Indicator of telephonic fees. 3,002,684, 10–3–61, Cl. 235—92.
Luscombe, Arthur J. Bearing protective structure for the auger of a feed mixer. 2,980,407, 4–18–61, Cl. 259—97.
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Lusk, Elmer C., to The Edlow Lead Co. Shipping cask for radioactive materials. 3,005,105, 10–17–61, Cl. 250—108.
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Lustman, Benjamin, E. F. Losco, and I. Cohen, to United States of America, Atomic Energy Commission. High strength control rods for neutronic reactors. 2,992,178, 7–11–61, Cl. 204—193.2.
Lustyan, John. Rotary lawnmower construction. 2,977,739, 4–4–61, Cl. 56—25.4.
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Lutjens, Herman. Bucket device. 3,003,265, 10–10–61, Cl. 37—118.
Lutke, Peter E. Choke filter. 2,980,203, 4–18–61, Cl. 183—44.
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Lutsche, Carl F. Trestle. 2,986,230, 5–30–61, Cl. 182—186.
Lutsky, Sidney. Suspension device for articles of wearing apparel. 2,975,949, 3–21–61, Cl. 223—91.
Lutterberg, Joseph. Magnetic book holder. 2,975,544, 3–21–61, Cl. 45—57.

Luttinger, Lionel B., to American Cyanamid Co. Flotation of ores. 3,006,471, 10–31–61, Cl. 209—166.

Lutton, Melvin C., to Illinois Tool Works. Modularized radio receiver. 2,978,612, 4–4–61, Cl. 317—101.

Lutts, William M., Sr. Rail grinding apparatus. 2,983,085, 5–9–61, Cl. 51—178.

Lutwack, Wilton J. Method of making laminated protective book cover. 2,977,271, 3–28–61, Cl. 154—118.

Lutwack, Wilton J. Method of making protective book cover. 2,992,153, 7–11–61, Cl. 154—125.

Lutz, Edward H.: *See*—
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McCarty, Daniel J., and Lutz. 2,977,090.

Lutz, Friedrich, and H. Daniel, to Union Special Maschinenfabrik G.m.b.H. Control means for electrically driven sewing machine. 2,983,237, 5–9–61, Cl. 112—11.

Lutz, Friedrich, and H. Speck, to Union Special Maschinenfabrik, G.m.b.H. Overedge sewing machines. 3,009,430, 11–21–61, Cl. 112—162.

Lutz, Harold C., 40% to R. R. Vincent. Carriers or trailers. 2,969,885, 1–31–61, Cl. 214—500.

Lutz, Harry A. Collapsible pattern head for hair cutting, waving or styling. 2,975,534, 3–21–61, Cl. 35—59.

Lutz, Harry H.: *See*—
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Lutz, Irvin H., to The American Oil Co. Process for fractionating and blending a reformate to obtain a high octane gasoline. 2,968,609, 1–17–61, Cl. 208—100.

Lutz, Irvin H., to Standard Oil Co. Process of reforming naphthas. 3,005,770, 10–24–61, Cl. 208—140.

Lutz, Julius H., ½ to H. Radzinsky. Garment hangers. 2,998,173, 8–29–61, Cl. 223—91.

Lutz, Lewis W., to Packaging Corp. of America. Adhesive applicator means particularly adapted for corrugating machines. 2,977,247, 3–28–61, Cl. 117—111.

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Luvisi, John P., to Universal Oil Products Co. Preparation of aromatic ketones. 2,974,172, 3–7–61, Cl. 260—592.

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Harris, Dwight E. 2,971,382.
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Lux, Eugene J. Vending machines. 2,996,218, 8–15–61, Cl. 221—188.

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Lycette, Richard M., to Continental Can Co., Inc. Art of heat-stabilization of polyvinyl halide resins. 2,989,497, 6–20–61, Cl. 260—45.8.

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Lyman, Donald J., to E. I. du Pont de Nemours and Co. Process of spinning acrylonitrile polymer filaments from solution of dimethyl sulfoxide and a non-solvent. 3,006,715, 10–31–61, Cl. 18—54.

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Lynch, Charles S., W. E. Lifson, and R. F. Finn, to Esso Research and Engineering Co. Process for the preparation of metal dithiophosphates. 3,014,940, 12–26–61, Cl. 260—429.

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Turula, Eugene, and Lynch. 3,000,260.

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Lynch, William B., to Alraterra. Conduit plug and coupling assembly. 3,010,694, 11–28–61, Cl. 251—189.

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Lynn, John W., and B. D. Ash, to Union Carbide Corp. Process for recovering N-methyl-N-vinylacetamide. 3,008,992, 11–14–61, Cl. 260—561.
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Lyon, George A. Air circulating wheel structure. Re. 24,995, 6–6–61, Cl. 188—264.
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Lyon, George A. Wheel cover. 2,970,010, 1–31–61, Cl. 301—37.
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Lyon, George A. Method of making a wheel cover. 2,973,736, 3–7–61, Cl. 113—116.
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Lyon, George A. Method for making wheel covers. 2,975,742, 3–21–61, Cl. 113—51.
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Lyon, George A. Method of forming sockets for drop rings. 2,984,001, 5–16–61, Cl. 29—522.
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Lyon, George A. Wheel cover. 2,984,519, 5–16–61, Cl. 301—37.
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Lyon, George A. Wheel cover. 2,989,346, 6–20–61, Cl. 301—37.
Lyon, George A. Collapsible game apparatus. 2,991,034, 7–4–61, Cl. 248—121.
Lyon, George A. Wheel structure. 2,991,128, 7–4–61, Cl. 301—37.
Lyon, George A. Air circulating wheel structure. 2,992,708, 7–18–61, Cl. 188—264.
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Lyon, George A. Wheel cover. 2,993,736, 7–25–61, Cl. 301—37.
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Lyon, George A. Method of making steel shells. 2,997,774, 8–29–61, Cl. 29—1.21.
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Lyon, George A. Method of making wheel covers. 3,001,496, 9–26–61, Cl. 113—116.
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Lyon, George A., to Lyon Inc. Air circulation wheel structure. 3,013,639, 12–19–61, Cl. 188—264.
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Lyon, George A., Jr., and H. J. Eynon; said Eynon assor. to Lyon Inc. Sink retaining means. 3,008,151, 11–14–61, Cl. 4—187.
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Guinn, Eldon J. 2,997,815.
Hahn, Edgar A. 2,973,307.
Hahn, Edgar A. 2,984,081.
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Hornik, Frank J. 2,968,815.
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Lyon, Walter E., deceased, by D. H. Lyon, executrix, to The Firestone Tire & Rubber Co. High speed tire. 2,996,098, 8–15–61, Cl. 152—361.
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Lyon, William W., to Ace Electronics Associates, Inc. Ganged potentiometers. 2,971,174, 2–7–61, Cl. 338—130.
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Lyons, Hubert W., to Merck & Co., Inc. Article handling apparatus. 3,011,456, 12–5–61, Cl. 104—172.
Lyons, John W., and W. F. Tucker, to Monsanto Chemical Co. Soil stabilization. 2,995,457, 8–8–61, Cl. 106—287.
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Odell, Norman R., and Lyons. 2,978,413.
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Lyons, Raymond J., Jr.: *See*—
Luvisi, George W., and Lyons. 2,995,520.
Lyons, Robert J. Manual and automatic releasable lock. 2,983,343, 5–9–61, Cl. 189—50.
Lyons, Vincent J., G. A. Silvey, and W. J. Turner, to International Business Machines Corp. Infrared radiation entrance window. 2,997,590, 8–22–61, Cl. 250—83.3.
Lysen, Rune E., to Aktiebolaget Electrolux. Multi-temperature refrigerafor. 3,003,333, 10–10–61, Cl. 62—199.
Lysett, Daniel W.: *See*—
Ziedler, Reinhold C., Barnes, and Lysett. 2,989,004.
Lyster, Thomas C., to Wildman Jacquard Co. Machine for knitting patterned fabrics. 3,012,423, 12–12–61, Cl. 66—50.
Lytle, George F., to Whiting Corp. Vacuum-type material handling system. 3,008,747, 11–14–61, Cl. 294—64.
Lytle, John P.: *See*—
Austin, Harry W., and Lytle. 3,008,145.
Timm, Walter, and Lytle. 3,003,499.
Lytle, William O., to Pittsburgh Plate Glass Co. Coating surfaces. 2,971,867, 2–14–61, Cl. 117—211.
Lytle, William O., to Pittsburgh Plate Glass Co. Coating glass sheets. 3,004,875, 10–17–61, Cl. 117—211.
Lyttle, Douglas A., to The Upjohn Co. Derivatives of 5-amino uracil. 2,969,364, 1–24–61, Cl. 260—256.4.
Lyttle, Douglas A., and H. G. Petering, to The Upjohn Co. 2-amino-4-[bis(2-haloethyl)amino]pyrimidines. 2,983,727, 5–9–61, Cl. 260—256.4.
Lytton, Kenneth G. Apparatus for feeding textile fibers in a uniform stream. 2,995,783, 8–15–61, Cl. 19—69.
Lytton, Kenneth G., and C. S. Wise, to Fiber Controls Corp. Material feeding system. 3,010,160, 11–28–61, Cl. 19—69.
Lytton, Marion R., to American Viscose Corp. Production of rayon. 2,979,376, 4–11–61, Cl. 18—54.
Lytton, Marion R., to American Viscose Corp. Method of forming all skin viscose rayon. 2,984,541, 5–16–61, Cl. 18—54.
Lytton, Marion R., to American Viscose Corp. Process of producing viscose rayon. 3,010,781, 11–28–61, Cl. 18—54.
Lytton, Marion R., and E. A. Wielicki, to American Viscose Corp. Film-forming polyesters of bibenzoic acid. 2,976,266, 3–21–61, Cl. 260—75.
Lytton, Marion R., and E. A. Wielicki, to American Viscose Corp. Terephthalate/pinate interpolyesters. 3,007,898, 11–7–61, Cl. 260—75.
Lytton, Marion R., E. A. Wielicki, and R. D. Evans, to American Viscose Corp. Polybibenzoate/alicyclic dicarboxylates. 3,007,900, 11–7–61, Cl. 260—75.
Lyvers, Garland E. Engine starting device. 3,010,443, 11–28–61, Cl. 123—179.
MABEG Maschinenbau G.m.b.H.: *See*—
Schwebel, Adolf. 2,970,835.
M & B Fishing Tool Co., Inc.: *See*—
Carothers, William F. 3,002,562.
M and H Industries, Inc.: *See*—
Brydolf, Robert. 3,006,039.
Heyer, Don. 2,973,547.
Heyer, Don. 2,982,989.
Heyer, Don. 2,990,207.
Heyer, Don, and Maize. 2,983,536.
M.J.B.: *See*—
Bardet, George V., and Giesse. 2,992,921.
Bardet, George V., and Giesse. 3,006,269.
M.K.M. Knitting Mills, Inc.: *See*—
Crawford, Ishmael, and Boutillette. 2,977,783.
Estephanian, Estephan D. 2,998,630.
M.K.W. Corp.: *See*—
Lew, Abram. 3,009,608.
M.L. Mfg. Co.: *See*—
Milanovits, Thomas, and William T. 2,972,920.
Milanovits, William T., and Thomas. 2,972,915.
M & M Products Co., Inc.: *See*—
Mereness, Lowell H. 2,974,990.
M-O Valve Co. Ltd., The: *See*—
Hogg, Harold A. C. 2,973,453.
M.R.M. Machinery Co., Inc.: *See*—
Manas, Herman D. and R. J. 2,967,636.
M.S.A. Research Corp.: *See*—
Bovard, Robert M. 2,983,588.
Clarlariello, Thomas A. 2,997,517.
Clarlariello, Thomas A. 3,014,084.
M.S.S. Recording Co. Ltd.: *See*—
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M. T. & D. Co., The: *See*—
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M-W Hydraulics, Inc.: *See*—
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Ma, James L., to Lukens Steel Co. Method of casting clad. 2,995,816, 8–15–61, Cl. 29—528.
Ma, James L., and C. R. Beamesderfer, to Lukens Steel Co. Ladle. 2,967,339, 1–10–61, Cl. 22—209.
Ma, Tsu S.: *See*—
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Maag Gear Wheel & Machine Co. Ltd.: *See*—
Demuth, Walter. 3,007,346.
Maag-Zahnrader & Maschinen Aktiengesellschaft: *See*—
Meyer, Albert, and Wenger. 2,991,672.
Maas, Alfred E., to Maiden Form Brassiere Co., Inc. Brassiere. 2,967,527, 1–10–61, Cl. 128—465.
Maas, Leo, Jr., and W. D. Brown. Jet accelerated missile. 2,968,244, 1–17–61, Cl. 102—49.
Maasdam, Felber. Power unit. 3,003,359, 10–10–61, Cl. 74—142.
Maass, Hans: *See*—
Troost, Albert, Schmucker, Maass, Slupka, and Baur. 2,994,871.
Maass, Herbert W. Pitless well adaptor locking props. 2,998,847, 9–5–61, Cl. 166—85.
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Schurger, Garner H., Maastricht, and Woytych. 2,984,-159.
Maaz, Karl: *See*—
Kuhrt, Friedrich, and Maaz. 2,988,707.
Kuhrt, Friedrich, and Maaz. 3,008,083.
Mabrey, David W., and R. A. Baugh, to Devoe & Reynolds Co., Inc. Glycidyl ester copolymer-carboxy substituted silicone composition and metallic article coated with same. 3,003,992, 10–10–61, Cl. 260—45 4.
Mabru, Marcel: *See*—
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Levecque, Marcel, and Mabru. 3,007,196.
MacAdam, Walter K., to American Telephone and Telegraph Co. Data transmission system. 2,997,697, 8–22–61, Cl. 340—174.1.
Macalpine, William W., to International Telephone and Telegraph Corp. Two-band helical antenna. 2,993,204, 7–18–61, Cl. 343—745.
MacArthur, Arthur. Magnetic heater. 3,014,116, 12–19–61, Cl. 219—42.
MacArthur, Fulton H. Splice trip for gravure press. 2,974,587, 3–14–61, Cl. 101—184.
MacArthur, John L., to Minneapolis-Honeywell Regulator Co. Electrical data handling apparatus. 3,010,094, 11–21–61, Cl. 340—172.5.
MacArthur, Melvin D., to Hydril Co. Casing joint having metal-to-metal sealing means responsive to fluid pressure. 2,992,019, 7–11–61, Cl 285—110.
Maccabee, David E., to Stewart-Warner Corp. Manifold pressure gauge. 2,971,380, 2–14–61, Cl. 73—411.

Maccaferri, Mario. Extrusion machines. 3,009,202, 11–21–61, Cl. 18—30.

MacCaffray, Rex S., Jr., to C. H. Masland and Sons. Warp knitting with pile contributing to lay-in weft bind. 2,968,171, 1–17–61, Cl. 66—191.

MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Method for making nondirectional warp knitted pile fabric. 2,972,244, 2–21–61, Cl. 66—85.

MacCaffray, Rex S., Jr., to C. H. Masland and Sons. Warp knitting method. 2,976,705, 3–28–61, Cl. 66—85.

MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Method of warp knitting pile fabric with multiple pile projections. 2,989,858, 6–27–61, Cl. 66—85.

MacCaffray, Rex S., Jr., to C. H. Masland and Sons. Method of making warp knitted pile fabric with multiple laid-in weft bind. 2,991,638, 7–11–61, Cl. 66—85.

MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Warp knitted pile fabric with multiple laid-in weft bind. 2,991,640, 7–11–61, Cl. 66—191.

MacCaffray, Rex S., Jr., to C. H. Masland and Sons. Pile fabric formation with varying height. 3,001,388, 9–26–61, Cl. 66—84.

MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Nondirectional warp knitted pile fabric. 3,009,341, 11–21–61, Cl. 66—193.

MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Method and apparatus for warp knitting. 3,013,419, 12–19–61, Cl. 66—85.

MacCallum, Alan M.: *See*—
Noxon, Paul A., MacCallum, and Bennett. 2,969,505.

MacCallum, Edward, to General Motors Corp. Spring counterbalance hinge. 3,004,282, 10–17–61, Cl. 16—163.

MacCallum, Edward, to General Motors Corp. Clip. 3,004,643, 10–17–61, Cl. 189—88.

MacCallum, Edward, to General Motors Corp. Clip. 3,006,444, 10–31–61, Cl. 189—88.

MacCollom, Donald B. Method of making frozen dessert mix. 2,969,287, 1–24–61, Cl. 99—55.

MacCormack, Kenneth E., to Imperial Chemical Industries Ltd. Process of thermally treating and lubricating polyethylene terephthalate filaments and yarns. 2,990,604, 7–4–61, Cl. 28—72.

MacCormack, Paul, to General Electric Co. Structural apparatus. 3,008,741, 11–14–61, Cl. 287—54.

MacCracken, Calvin D., to Jet-Heet, Inc. Electric generating systems. 2,973,715, 3–7–61, Cl. 103—44.

MacCracken, Calvin D., to Jet-Heet, Inc. Improved heating and temperature control method and apparatus for personal thermal systems. 2,982,841, 5–2–61, Cl. 219—39.

MacCracken, Calvin D., and E. M. Smith, to Jet-Heet, Inc. Heat actuated pumps. 2,969,747, 1–31–61, Cl. 103—255.

MacCready, Paul B., Jr. Automatic homing aircraft. 3,005,605, 10–24–61, Cl. 244—77.

Macdonald, Alexander D.: *See*—
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MacDonald, Angus A., to Westinghouse Electric Corp. Electronic control system. 3,014,215, 12–19–61, Cl. 343—17.1.

MacDonald, Dennison H., and R. A. De Pietro, to Revere Corp. of America. Flow meter. 3,002,384, 10–3–61, Cl. 73—231.

MacDonald, Donald E. Earth working and treating apparatus. 2,986,841, 6–6–61, Cl. 47—1.

MacDonald, Eric, to Imperial Chemical Industries Ltd. New process for colour photography. 2,998,312, 8–29–61, Cl. 96—9.

MacDonald, Frederick W. Anti-thumb sucking device. 2,972,348, 2–21–61, Cl. 128—133.

Macdonald, James R., to Texas Instruments Inc. Hall effect device. 2,980,860, 4–18–61, Cl. 330—6.

MacDonald, James V., to Scovill Mfg. Co. Ball point pen. 2,972,980, 2–28–61 Cl. 120—42.03.

Macdonald, John G. Free piston gas generator. 2,981,242, 4–25–61, Cl. 123—46.

Macdonald, John G. Free piston engine compressor valve. 2,985,188, 5–23–61, Cl. 137—454.4.

MacDonald, John G., and J. E. Waldo, to Rabinow Engineering Co., Inc. Stacker for flexible cards, sheets and the like. 3,007,698, 11–7–61, Cl. 271—87.

Macdonald, John G. M.: *See*—
Rabinow, Jacob, Rosenberg, and Macdonald. 2,988,355.

Macdonald, Kenneth W.: *See*—
McGill, Thomas A., and Macdonald. 2,989,013.

MacDonald, Leslie A., to American District Telegraph Co. Apparatus for detecting motion. 2,972,133, 2–14–61, Cl. 340—258.

MacDonald, Leslie A., to Sperry Rand Corp. Quadrature voltage rejection apparatus for servo systems. 3,008,076, 11–7–61, Cl. 318—448.

MacDonald, Norman A., to Luer Packing Co. Method of packaging bacon. 2,980,541, 4–18–61, Cl. 99—174.

MacDonald, Raymore D., to Harry J. Seaman. Road roller. 2,978,967, 4–11–61, Cl. 94—50.

MacDonald, Robert A.: *See*—
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Mooneyhan, William R., Roberts, Wilson, and MacDonald. 2,983,772.

Macdonald, Roger: *See*—
Shoemaker, William E., and Macdonald. 2,980,640.

Macdonald, Walter. Apparatus for supplying yarns. 2,988,299, 6–13–61, Cl. 242—156.2.

MacDonnell, Wilfred D., and A. D. Shattuck, to National Steel Corp. Method of preserving materials. 2,978,386, 4–4–61, Cl. 202—1.

MacDougall, Anne J., H. E. Lohnes, and J. J. Krekovich, to Hallmark Cards, Inc. Animated greeting card. 2,988,845, 6–20–61, Cl. 46—37.

MacDougall, Daniel: *See*—
Mann, Frederick H., and MacDougall. 3,014,175.

MacDuff, Stanley I., to The Bendix Corp. Combination valve. 2,998,025, 8–29–61, Cl. 137—622.

MacDuff, Stanley I., to The Bendix Corp. Automatic leveling hydro-pneumatic suspension system for vehicles. 3,002,765, 10–3–61, Cl. 280—124.

Mace, Bonard V.: *See*—
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Mace, Harry W., to Aerojet-General Corp. Ammonium perchlorate asphalt base propellants. 2,978,306, 4–4–61, Cl. 52—.5.

Mace, Harry W., to Aerojet-General Corp. Improved propellant composition. 2,978,307, 4–4–61, Cl. 52—.5.

Mace, Harry W., to Aerojet-General Corp. Asphalt base solid composite propellants. 3,000,717, 9–19–61, Cl. 52—.5.

MacEwan, James U., to Department of Mines. Method of producing lithium sulphate from alpha and beta spodumene. 2,972,517, 2–21–61, Cl. 23—121.

MacFarland, Aveyard & Co.: *See*—
Lebert, Herbert A. 3,010,458.

MacFarland, Charles H., to The Scott & Fetzer Co. Canister vacuum cleaner. 3,002,215, 10–3–61, Cl. 15—327.

MacFarlane, Donald R., to Western Electric Co., Inc. Method and apparatus for grinding cams. 2,968,896, 1–24–61, Cl. 51—105.

Macfarlane, Robert M.: *See*—
Fons, Lloyd C., and Macfarlane. 2,993,540.

MacFie, Kenneth W., and R. A. Mosher, to Standard Oil Co. Dinitrophenoxyethanol process. 2,988,571, 6–13–61, Cl. 260—613.

Macgeorge, William D., to Automatic Timing & Controls, Inc. Control circuits for reversible electrical loads, incorporating magnetically controlled gas tubes. 2,977,521, 3–28–61, Cl. 318—257.

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MacGregor, Charles. 2,983,498.

MacGregor, Charles, to MacGregor Brothers. Conveying apparatus. 2,983,498, 5–9–61, Cl. 263—6.

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Kummerman, Henri. 2,979,007.
MacGregor, Joseph. 2,981,326.

MacGregor & Co. (Naval Architects) Ltd.: *See*—
MacGregor, Joseph. 2,981,326.

MacGregor, Dean J., to Westinghouse Electric Corp. Synchronous motor control. 2,977,519, 3–28–61, Cl. 318—170.

MacGregor, Dean J., to Westinghouse Electric Corp. Synchronous motor control. 2,977,520, 3–28–61, Cl. 318—170.

MacGregor, Joseph, to MacGregor & Co. (Naval Architects) Ltd., and MacGregor-Comarain. Hydraulically-operated ships' hatch covers. 2,981,326, 4–25–61, Cl. 160—188.

Macgregor, Peter S.: *See*—
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Macgregor, Peter S., and A. J. J. Keeley, to Flight Refuelling Ltd. Coupling devices for railway vehicles. 2,999,602, 9–12–61, Cl. 213—97.

MacGregor, Warren S., to Crown Zellerbach Corp. Preparation of dialkyl disulfides. 2,979,532, 4–11–61, Cl. 260—608.

Macha, Edward A.: *See*—
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Macha, Edward A., and B. W. Schuff, to Westinghouse Electric Corp. Method for making metal articles. 2,966,740, 1–3–61, Cl. 29—534.

Macha, Edward A., and O. P. Steele, III, to Westinghouse Electric Corp. Sealed motor pump unit. 2,994,004, 7–25–61, Cl. 310—42.

MacHenry, Richard, to American Viscose Corp. Method of reshaping fibrous filter rods. 2,979,433, 4–11–61, Cl. 154—91.

MacHenry, Richard, to American Viscose Corp. Twine. 2,981,052, 4–25–61, Cl. 57—154.

Machlan, George R., to Western Electric Co., Inc. Adjustable apparatus for holding and assembling articles. 2,974,405, 3–14–61, Cl. 29—203.

Machine Products Corp.: *See*—
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Machine Tool Automation, Inc.: *See*—
Wolff, Gunther. 3,003,145.

Machine Tool Electric Corp.: *See*—
Stolk, William. 2,973,959.
Stolk, William, and Holm. 2,992,554.
Stolk, William, and Judge. 2,992,580.

Machine Tool Works Oerlikon, Administration Co.: *See*—
Apotheloz, Robert, and Huber. 2,999,461.
Hepperle, Erwin. 2,966,830.
Herlach, Friedrich, Linder, and Spalding. 2,973,694.
Herlach, Fritz, and Hepperle. 2,998,757.
Kipfer, Hugo. 3,007,412.
Schenk, Gustav. 3,011,434.
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Machine Works, Inc.: *See*—
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Machinecraft, Inc.: *See*—
Butler, Richard K. 2,977,643.
Butler, Richard K. 2,992,555.
Cotchett, Louis M. 2,979,784.
Cotchett, Louis M. 2,991,514.
Machinenfabrick Reineveld N.V.: *See*—
Bulzert, Rokus. 3,010,582.
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O'Leary, Paul C. 2,980,372.
Machinery and Electrical Products Co., Inc.: *See*—
Roberts, Hugh. 2,975,848.
Machinery Electrification, Inc.: *See*—
Dunigan, Francis P. 2,969,493.
Dunigan, Francis P. 2,986,688.
Machinery Mountings, Inc.: *See*—
Kass, Bernard H. 2,978,213.
Machines Automatiques Modernes (Societe a Responsabilite Limitee): *See*—
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Machlan, Hamilton A., and B. D. Terral, to Camco, Inc. Pneumatic stroke motor. 2,980,076, 4–18–61, Cl. 121—48.
Machlett Laboratories, Inc., The: *See*—
Doolittle, Howard D. 2,977,496.
Rogers, Thomas H. 2,973,445.
Spurck, Richard F. 3,003,603.
Steen, Gottfrid W. 2,980,800.
Machlis, Jerome, and G. L. Hatchett, to Northrop Corp. F.M. radar scoring system. 3,012,242, 12–5–61, Cl. 343—14.
Machnich, Carlo. Fluid spring and leveling valve arrangement for vehicle suspension. 2,981,550, 4–25–61. Cl. 280—124.
Machovec, Fred J. Rotary blade assembly. 2,976,666, 3–28–61, Cl. 56—295.
Machovec, Fred J., to Foley Mfg. Co. Lawn mower mount for lawn mower sharpener. 2,998,677, 9–5–61, Cl. 51—48.
MacHutchin, John G., D. L. Prosser, and C. H. Wright, to United States Radium Corp. Self luminous lamps. 3,005,-102, 10–17–61, Cl. 250—77.
Macias-Sarria, José. Reticulated sun shade. 2,990,923, 7–4–61, Cl. 189—53.
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MacIntyre, Robert M., to Thompson Ramo Wooldridge Inc. Bridge gating circuit with floating bias source. 2,990,477, 6–27–61, Cl. 307—88.5.
MacIntyre, Robert M., to Thompson Ramo Wooldridge Inc. Energy transfer circuits. 3,014,169, 12–19–61, Cl. 320—1.
Maciszewski, Arthur H.: *See*—
Naber, Joseph S., and Maciszewski. 3,001,066.
Maciszewski, Arthur H., J. J. Hupert, R. Goldstein, and T. Szubski, to A. R. F. Products, Inc. Attenuator. 2,973,491, 2–28–61, Cl. 333—81.
Maciszewski, Arthur H., J. J. Hupert, R. Goldstein, and T. Szubski, to A.R.F. Products, Inc. Calibrating means for a variable frequency oscillator. 2,976,494, 3–21–61, Cl. 331—44.
Maciunas, George, to Olin Mathieson Chemical Corp. Framework construction. 2,970,676, 2–7–61, Cl. 189—1.
Maciunas, George, to Olin Mathieson Chemical Corp. Field fabricated curtain wall construction. 2,985,263, 5–23–61, Cl. 189—34.
Mack, Arnold O., to The Dow Chemical Co. Flashing in building construction. 2,996,843, 8–22–61, Cl. 50—43.
Mack, Arthur H.: *See*—
Bueli, Milton A., and Mack. 2,991,855.
Mack, Charles H.: *See*—
Roberts, Earl J., and Mack. 2,992,969.
Mack Co.: *See*—
Mack, James F. 2,981,282.
Mack, Dick A., to United States of America, Atomic Energy Commission. Pulse inverting transformer. 2,973,492, 2–28–61, Cl. 333—97.
Mack, Donald E.: *See*—
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Mack, George R., and W. G. Thomas, Jr., to The Electric Storage Battery Co. Epoxy resin base protective surfaces. 3,007,888, 11–7–61, Cl. 260—37.
Mack, Gerry P., to Metal & Thermit Corp. Vinyl chloride resin stabilized with a chloro substituted phosphine. 2,970,980, 2–7–61, Cl. 260—45.7.
Mack, Gerry P., to Metal & Thermit Corp. Vinyl chloride resins comprising a stabilizing amount of a phosphine. 2,970,981, 2–7–61, Cl. 260—45.75.
Mack, Gerry P., and E. Parker, to Carlisle Chemical Works, Inc. Organotin mercapto compounds. 2,998,441, 8–29–61, Cl. 260—429.7.
Mack, J. H.: *See*—
Mack, Jack E. 2,987,902.
Mack, Jack E., ½ to J. H. Mack, and ½ to P. K. Mack. Automatic home washing and dry cleaning mechanism. 2,987,902, 6–13–61, Cl. 68—4.
Mack, James F., to Mack Co. Valve device. 2,981,282, 4–25–61, Cl. 137—516.29.
Mack, Joseph A.: *See*—
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Anderson, Edwin V., Mack, and Friberg. 3,012,835.
Mack, Kent M., and C. C. Frankenfield, to United States of America, Navy. Continuously variable range circuit. 2,975,416, 3–14–61, Cl. 343—17.1.
Mack, Kent M., J. W. Currie, and S. H. Saulson, to Westinghouse Electric Corp. Inflatable antenna assembly. 3,005,987, 10–24–61, Cl. 343—872.
Mack, Milton K.: *See*—
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Mack, Richard G. Pack harness. 2,967,649, 1–10–61, Cl. 224—5.
Mack Trucks, Inc.: *See*—
Zeller, Theodore J. 2,987,815.
Mack, William. Iris type closure for lipstick holders and other containers. 2,969,142, 1–24–61, Cl. 206—56.
Mack, William. Dispensing container. 3,010,572, 11–28–61, Cl. 206—56.
Mackay, Donald. Longitudinally expandible shoe tree with adjusting means. 2,984,849, 5–23–61, Cl. 12—117.4.
MacKay, Jack W., to American Cast Iron Pipe Co. Pipe coupling having a double sealing action gasket. 2,991,092, 7–4–61, Cl. 285—110.
Mackay, James B., to International Business Machines Corp. Transistor level shifter. 2,978,595, 4–4–61, Cl. 307—88.5.
Mackay, James B., J. C. Logue, and R. W. Emery, to International Business Machines Corp. Transistor amplifiers. 2,990,539, 6–27–61, Cl. 340—174.
Mackay, Johnstone S., to Pittsburgh Chemical Co. Melamine process. 3,009,914, 11–21–61, Cl. 260—249.7.
MacKay, Malcolm B., to A. O. Smith Corp. Liquid supply system. 2,983,487, 5–9–61, Cl. 257—275.
Mackechnie, James G. Ticket feeding apparatus for hand stapling machines. 2,996,720, 8–22–61, Cl. 1—108.
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Hart, Robert L., MacKenzie, and Weber. 2,985,412.
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Campbell, Erwin A., and Mackenzie. 2,988,180.
MacKenzie, James A. Constructional element. 3,003,600, 10–10–61, Cl. 189—34.
Mackenzie, James B. D., W. Fisch, and A. Renner, to Ciba Ltd. New precondensate of an epoxy-resin, its manufacture and molding compositions containing the same. 2,989,-498, 6–20–61, Cl. 260—47.
MacKenzie, James C.: *See*—
Orzechowski, Adam, and MacKenzie. 2,991,157.
MacKenzie, James S.: *See*—
Gates, William H., Harris, and MacKenzie. 2,986,448.
Mackenzie, Kenneth J., E. L. Howe, and R. T. Roles, to The British Petroleum Co. Ltd. Operation of gas turbine engines and fuel compositions for use in said engines. 2,993,-336, 7–25–61, Cl. 60—35.6.
MacKenzie, Kenneth W. Golf training device. 2,987,319, 6–6–61, Cl. 273—180.
Mackenzie, Sprague A., and D. M. Stough, to Hagan Chemicals & Controls, Inc. Integrator brake. 2,996,920, 8–22–61, Cl. 74—1.
MacKenzie, William F., and F. N. Lee, deceased, (by D. R. Lee, executrix), to United Shoe Machinery Corp. Heel attaching machines. 2,994,882, 8–8–61, Cl. 1—139.
Mackey, Bruce A., to Time Saver Sales, Inc. Apparatus for boring a hole in a desired directional alignment. 3,008,359, 11–14–61, Cl. 77—62.
Mackey, Charles W., Jr., to Scovill Mfg. Co. Pop-up drain valve. 3,002,196, 10–3–61, Cl. 4—200.
Mackey, E. Scudder, to General Aniline & Film Corp. Antistatic photographic film. 2,982,651, 5–2–61, Cl. 96—87.
Mackey, Robert W., and D. A. Swalheim, to E. I. du Pont de Nemours and Co. Electrodeposition of zinc. 2,989,449, 6–20–61, Cl. 204—55.
Mackie, Alastair M., to Aluminium Laboratories Ltd. Methods for producing hollow metallic sheets. 2,996,792, 8–22–61, Cl. 29—157.3.
Mackie, James, & Sons Ltd.: *See*—
Mackie, John K. P. 2,978,753.
Mackie, John K. P., to James Mackie & Sons Ltd. Textile drafting apparatus. 2,978,753, 4–11–61, Cl. 19—70.
Mackie, William. Marking chalk sharpener. 2,990,811, 7–4–61, Cl. 120—94.
Mackie, William L.: *See*—
Rolle, Edward, Mackie, and Tabor. 3,002,945.
Mackin, James L.: *See*—
Lane, William B., Baum, Graham, Fuller, Mackin, Lal, Zigman, and Shelberg. 2,974,520.
Mackin, Robert J., Jr.: *See*—
Bell, Persa R., Mackin, and Simon. 2,997,431.
Bell, Persa R., Simon, and Mackin. 2,969,308.
MacKinney, Henry B., and F. H. and K. R. Tack, to John Tack & Sons. Dump truck with a perpendicularly tiltable dump body. 2,997,343, 8–22–61, Cl. 298—19.
Mackinney, Herbert W., and C. Y. Meyers, to Union Carbide Corp. Trimethylolphenol-polyol thermosetting copolymers. 3,010,919, 11–28–61, Cl. 260—17.2.
MacKinnon, Lloyd J., and A. B. Trench, to Canadian General Electric Co. Ltd. Electrical reactor with magnetic shielding. 3,014,189, 21–19–61, Cl. 336—87.
MacKirdy, Kathleen. Combination toothbrush holder and toothpaste dispenser. 2,997,210, 8–22–61, Cl. 222—93.
Mackiw, Vladimir N., and N. Zubryckyj, to Sherritt Gordon Mines Ltd. Process for the separation of lead from solutions. 2,970,051, 1–31–61, Cl. 75—120.
Macklem, F Sutherland, to Servo Corp. of America. Cyclic digital-to-analog converter. 2,986,727, 5–30–61, Cl. 340—347.

Macklem, Walter C., J. L. Buzzelli, and A. J. McFarlane, to United States Rubber Co. Calender trimming. 3,008,864, 11–14–61, Cl. 156—353.

Macklis, Stanley L., to The New York Air Brake Co. High speed hydrodynamic pump. 3,004,495, 10–17–61, Cl. 103—101.

MacKnight, Bonna: *See*—
MacKnight, Edgar W. 2,969,108.

MacKnight, Edgar W., deceased, by B. MacKnight, executrix, to B. MacKnight, by court decree. Stabilized stool support. 2,969,108, 1–24–61, Cl. 155—81.

MacKnight, Merritt L.: *See*—
Steinman, Leon H., and MacKnight. 2,967,267.

Mackrle, Svatopluk: *See*—
Mackrle, Vladimir and S., Tesařik and Mican. 2,969,149.

Mackrle, Vladimir and S., I. Tesařik, and V. Mican, to Královopolská strojírna Závody Chemických zařízení, národní podnik. Reactor for water purification. 2,969,149, 1–24–61, Cl. 210—195.

Macks, Elmer F., to Air-Glide, Inc. Fluid supported rotor. 2,983,832, 5–9–61, Cl. 310—90.

Macks, Elmer F. Fluid dynamic bearing and method of making same. 2,996,340, 8–15–61, Cl. 308—163.

Macks, Elmer F. Fluid supported device. 3,001,609, 9–26–61, Cl. 184—18.

Macks, Elmer F. Seal. 3,001,806, 9–26–61, Cl. 286—10.

Macks, Elmer F. Mold for and a method of molding under fluid separation conditions. 3,003,190, 10–10–61, Cl. 18—34.

Macks, Elmer F., to Air-Glide, Inc. Fluid supported rotor. 3,004,180, 10–10–61, Cl. 310—90.

Macks, Elmer F., and W. M. Burgett, to Marine Development & Research, Inc. Mechanism for beveling planks or the like. 2,990,861, 7–4–61, Cl. 144—136.

MacLagan, Allan R.: *See*—
Fletcher, Orion F., and MacLagan. 2,996,807.

MacLaren, Donald D.: *See*—
Hemminger, Charles E., and MacLaren. 2,981,675.
Hemminger, Charles E., MacLaren, and Welty. 3,000,814.

MacLaren, Frederick B., to United Aircraft Corp. Method of making induction-motor squirrel cages. 2,998,638, 9–5–61, Cl. 29—155.53.

MacLaughlin, Ralph R.: *See*—
Crowson, Fred B., Locke, and MacLaughlin. 2,978,534.

MacLaughlin, Robert E. Shoe last and means for holding an insole thereon. 2,967,313, 1–10–61, Cl. 12—141.

Maclay, William N., to The B. F. Goodrich Co. Activator system for synthetic rubber polymerization. 2,970,975, 2–7–61, Cl. 260—27.

MacLean, Alexander F., and C. C. Hobbs, Jr., to Celanese Corp. of America. Electrolytic process. 2,978,392, 4–4–61, Cl. 204—59.

MacLean-Fogg Lock Nut Co.: *See*—
Oakley, Gilbert F. 2,989,009.

MacLean, Kenneth G., and B. A. Trevor, to Radio Corp. of America. Pulse generator. 2,981,852, 4–25–61, Cl. 307—88.5.

Maclean, Michael A.: *See*—
Hoffman, George R., and Maclean. 2,991,457.
Kilburn, Tom, Hoffman, and Maclean. 2,978,592.

MacLean, William D., and K. C. Graham, to General Development Corp. Method and composition for chromium plating. 2,992,171, 7–11–61, Cl. 204—51.

MacLennan, Alastair S.: *See*—
Kuypers, Harold A., MacLennan, and Dinger. 2,975,801.

MacLeod, David E., to Carrier Corp. Ice cube makers. 2,999,371, 9–12–61, Cl. 62—347.

MacLeod, David E., and F. D. Stevens, to Carrier Corp. Self-contained air conditioning unit. 2,970,457, 2–7–61, Cl. 62—279.

MacLeod, Donald, to Tech-Art Inc. Filled container caser. 2,975,569, 3–21–61, Cl. 53—62.

MacLeod, Douglas W., to Farrel-Birmingham Co., Inc. Mixers for plastic materials with liquid discharge means. 2,972,774, 2–28–61, Cl. 18—2.

Macleod, Keith, to W. D. Allen Mfg. Co. Apparatus and method for connecting couplings to hose. 2,986,192, 5–30–61, Cl. 153—1.

MacLeod, Lester R. Crusher lining. 2,989,253, 6–20–61, Cl. 241—294.

MacLeod, Norman A. Anti-personnel fragmentation weapon. 2,972,774, 2–28–61, Cl. 18—2.

MacLeod, Norman A. Coil spring coupling and articles made from coil springs. 3,011,775, 12–5–61, Cl. 267—1.

Macleod, Roderick B.: *See*—
Speakman, Raymond H., and Macleod. 2,974,391.

Macklin, Philip A.: *See*—
Jackson, John M., and Macklin. 3,000,752.

MacMillan & Bloedel Ltd.: *See*—
Creighton, Robert H. J. 3,007,971.

MacMillan, Charles W., to Bear Mfg. Co. Balance testing device. 2,972,256, 2–21–61, Cl. 73—458.

MacMillan, Raymond A.: *See*—
Czerlinsky, Ernst R., and MacMillan. 2,968,004.

MacMillan, Raymond A., to United States of America, Air Force. Method and means for testing magnetic properties of toroid cores. 2,969,501, 1–24–61, Cl. 324—34.

MacMillan, Raymond A., to United States of America, Air Force. Method and means for testing magnetic properties of toroid cores. 2,973,474, 2–28–61, Cl. 324—34.

MacMillan, Raymond A., to United States of America, Air Force. Phase shifting system summing quadrature waves in sine-cosine potentiometer. 2,994,827, 8–1–61, Cl. 328—155.

MacMillan, William G., ½ to J. D. McMurray. Tire buffing machine. 2,996,109, 8–15–61, Cl. 157—13.

MacMillin, David M., to Bell & Howell Co. Automatic exposure control photographic camera. 3,006,262, 10–31–61, Cl. 95—44.

MacMillin Hydraulic Engineering Corp.: *See*—
MacMillin, Norman F. 2,984,985.

MacMillin, Norman F., to MacMillin Hydraulic Engineering Corp. Hydraulic operating and control system. 2,984,985, 5–23–61, Cl. 60—97.

MacNair, Donald, to Bell Telephone Laboratories, Inc. Hydrogen breakdown of cathodes. 3,004,816, 10–17–61, Cl. 316—8.

MacNaught, Donald F., and R. A. Jacobson, to Bethlehem Steel Co. Folding hatch covers. 2,996,032, 8–15–61, Cl. 114—202.

MacNaught, Donald F., and R. A. Jacobson, to Bethlehem Steel Co. Ocean going combined ore carrier and tanker. 2,997,011, 8–22–61, Cl. 114—73.

MacNeary, Joan K., ½ to R. C. MacNeary. Combined portable typewriter and table with carrying case and stool. 3,000,683, 9–19–61, Cl. 312—235.

MacNeary, Rose C.: *See*—
MacNeary, Joan K. 3,000,683.

MacNeill, James C., to The Atlantic Refining Co. Anti-static treatment and products resulting therefrom. 2,985,543, 5–23–61, Cl. 117—139.5.

MacNeill, John H., to Soroban, Inc. Selectively engageable clutch. 2,998,874, 9–5–61, Cl. 192—45.1.

MacNeill, John H., C. F. West, and M. R. Thomson, to Soroban, Inc. High speed relay. 2,967,918, 1–10–61, Cl. 200—87.

MacNeille, Stephen M.: *See*—
Cary, Donald S., Kesel, and MacNeille. 2,997,595.

MacNeille, Stephen M., to American Optical Co. Fiber optical components and method of manufacture. 2,979,632, 4–11–61, Cl. 313—89.

MacNeille, Stephen M., to American Optical Co. Front projection screen. 2,991,693, 7–11–61, Cl. 88—28.9.

MacNeille, Stephen M., to American Optical Co. Optical image-forming devices. 2,985,784, 5–23–61, Cl. 313—92.

MacNeille, Stephen M., to United States of America, Navy. Target-seeking head for guided missile. 2,997,594, 8–22–61, Cl. 250—203.

MacNichol, Edward F., Jr. Low level differential amplifier. 3,003,113, 10–3–61, Cl. 330—69.

Macomber, Inc.: *See*—
Macomber, Stanley. 2,979,806.
Macomber, Stanley. 3,004,324.
Macomber, Stanley. 3,004,640.

Macomber, James K., to Consolidated Lithographing Corp. Wrapping and tear banding machine. 3,013,368, 12–19–61, Cl. 53—14.

Macomber, James K., to Consolidated Lithographing Corp. Web tension control. 3,013,740, 12–19–61, Cl. 242—75.3.

Macomber, Stanley, to Macomber, Inc. Method of making laminated tubular section structural members. 2,979,806, 4–18–61, Cl. 29—155.

Macomber, Stanley, to Macomber, Inc. Method of making laminated tubular section structural members. 3,004,324, 10–17–61, Cl. 29—155.

Macomber, Stanley, to Macomber, Inc. Laminated tubular section structural members. 3,004,640, 10–17–61, Cl. 189—37.

Macotta Co. of Canada Ltd.: *See*—
Engholm, Raymond A. 2,997,142.

Macovski, Albert: *See*—
Schaefer, Louis F., and Macovski. 2,967,237.
Smith, Frederic B., Jr., and Macovski. 3,012,094.

Macovski, Albert, to Radio Corp. of America. Synchronous color killer. 2,971,046, 2–7–61, Cl. 178—5.4.

Macovski, Albert, to Radio Corp. of America. Keyed automatic gain control and detector circuit. 2,997,538, 8–22–61, Cl. 178—7.5.

MacPeek, Donald L.: *See*—
Phillips, Benjamin, Starcher, and MacPeek. 2,969,377.

MacPetrie, John D.: *See*—
Yogus, William, and MacPetrie. 2,998,737.

MacPherson, Donald H., to Bell Telephone Laboratories, Inc. Information storage arrangement. 3,011,156, 11–28–61, Cl. 340—173.

MacPherson, Earle S., to Ford Motor Co. Rear wheel suspension for motor vehicle. 3,001,600, 9–26–61, Cl. 180—73.

Macpherson, George L.: *See*—
Nerad, Anthony J., and Macpherson. 2,991,617.

Macpherson, Ronald H.: *See*—
Hopkins, Ernest J., and Macpherson. 2,981,867.

MacPherson, William: *See*—
Demaree, John E., and MacPherson. 3,011,792.

MacPlum, R. A., Industries, Inc.: *See*—
Umanoff, Martin. 2,989,224.
Umanoff, Martin. 2,997,311.

MacQuaid, Craig, Jr., and R. H. Koehrmann, to International Shoe Co. Perforated conductive insole. 3,007,083, 10–31–61, Cl. 317—2.

MacQueen, Charles W., J. C. Farmin, and R. M. Stewart, to The Anaconda Co. Pulley apparatus. 2,982,428, 5–2–61, Cl. 214—85.5.

Macrander, Karl, to Alweg-Forschung Gesellschaft mit beschrankter Haftung Cranes. 2,974,606, 3–14–61, Cl. 104—2.

Macredis, George: *See*—
Santini, Danilo, and Macredis. 2,997,134.

MacRoberts, Donald T., to United States of America, Navy. Projecticle. 2,998,779, 9–5–61, Cl. 102—93.

MacSporran, Charles, to Phillips Petroleum Co. Process and apparatus for in situ combustion. 2,973,812, 3–7–61, Cl. 166—11.

Maculan, Alexander: *See*—
Maculan, Rudolf. 2,999,340.

Maculan, Rudolf, deceased; E. Meissner, guardian of A. Maculan, heir of said R. Maculan. Surface supporting structure. 2,999,340, 9–12–61, Cl. 50—49.

Macune, Charles W., to Westronics, Inc. Recorder apparatus. 2,985,728, 5–23–61, Cl. 200—38.

Macura, Heinrich: *See*—
Puff, Walter A., and Macura. 3,012,826.

Macura, Joseph F., to Ford Motor Co. Ball tipped push rod. 2,975,775, 3–21–61, Cl. 123—90.

Macura, Karl, and E. Siggel, to Vereinigte Glanzstoff-Fabriken A.G. Anti-static compositions and synthetic filamentary textile materials treated therewith. 2,974,066, 3–7–61, Cl. 117—139.5.

MacWilliam, Wallace. Outboard motor position-adjusting apparatus. 2,966,876, 1–3–61, Cl. 115—41.

Macy, James C., F. J. Camillo, and A. L. Smith, to Camilco Inc. Paint tray assembly. 2,972,765, 2–28–61, Cl. 15—121.3.

Macy, James C., and A. L. Smith. Lock washer having axially extending tabs of severable, compressible material. 2,990,866, 7–4–61, Cl. 151—14.5.

Macy, Jay R.: *See*—
Jenkins, Mervyn M., and Macy. 2,999,262.

Macy, John M., and R. J. Shanahan, to South Bend Tackle Co., Inc. Device for applying a weight to a line. 3,003,376, 10–10–61, Cl. 81—15.

Macy, Robert H.: *See*—
McLean, Malcom P., and Macy. 2,973,046.

Macy, Valentine E., Jr.: *See*—
Allen, Earle F., and Haynes. 2,969,826.

Madaras, Julius D., to Gas Inc. Method of heating and reforming hydrocarbons and other gases. 2,971,752, 2–14–61, Cl. 263—52.

Madaus, John H.: *See*—
Zaslowsky, Joel A., and Madaus. 2,983,590.

Madden, Baxter C., Jr. Structural element having spherical-like filling. 2,985,411, 5–23–61, Cl. 244—123.

Madden, Dwain R.: *See*—
Peterson, Robert W. 2,998,726.

Madden, Edward J. Method and means for displaying positions and motions of objects, in relation to the earth. 3,003,257, 10–10–61, Cl. 35—43.

Madden, Frank J.: *See*—
Pircon, Ladislav J. 2,979,411.

Madden, Joseph E.: *See*—
Cagle, Toby T. 2,997,138.

Madden, Max. Box tuck and method of making same. 2,977,912, 4–4–61, Cl. 112—262.

Madden, Ralph J., K. L. Pennau, and J. E. Robinson, to Kimberly-Clark Corp. Papermaking machine. 2,988,141, 6–13–61, Cl. 162—257.

Madden, Robert H. Cable clamp. 2,983,012, 5–9–61, Cl. 24—126.

Madden, Robert W., J. E. Lundberg, F. A. Foss, and H. T. Marcy, to International Business Machines Corp. Azimuth directional reference system. 2,988,818, 6–20–61, Cl. 33—204.

Madding, Robert T. Telephone pad attachment. 3,003,791, 10–10–61, Cl. 281—12.

Madding, Robert T. Package for powdered material. 3,008,835, 11–14–61, Cl. 99—171.

Madding, Robert T. Automatic electric hot water mat. 3,014,117, 12–19–61, Cl. 219—46.

Maddock, Bruce H., to Union Carbide Corp. Coloring polychlorotrifluoroethylene with a color masterbatch of a copolymer of trifluorochloroethylene and vinylidene fluoride and composition thereof. 2,993,875, 7–25–61, Cl. 260—41.

Maddock, Kenneth J.: *See*—
Risse, Ralph F., and Madock. 3,008,698.

Maddock, Russell B.: *See*—
Gibson, Hal, and Maddock. 2,982,128.

Maddocks, Ronald W.: *See*—
Gillick, Laurance H., and Maddocks. 2,976,023.

Maddox, Claude. Tobacco seed sower. 2,995,277, 8–8–61, Cl. 222—139.

Maddox, De Wayne: *See*—
Bottenberg, Kenneth C., Hendrix, and Maddox. 2,998,016.

Maddox, Robert L.: *See*—
Foos, Raymond A., and Maddox. 3,012,877.

Madeira, William T., to K-D Mfg. Co. Molding clip installing tool. 3,014,610, 12–26–61, Cl. 218—39.

Madeley, Robert: *See*—
Rowles, Reginald V., and Madeley. 2,984,980.

Madelung, Gero, to Messerschmitt AG. Tiltable jet power unit for aircraft. 3,000,594, 9–19–61, Cl. 244—12.

Mader, Charles K., to The M. W. Kellogg Co. Stripper design. 3,011,969, 12–5–61, Cl. 208—150.

Mader, Emil A., to J. Spargo. Combined impeller and closure. 2,974,731, 3–14–61, Cl. 170—160.51.

Mader, Henry F. Clothespin. 2,983,013, 5–9–61, Cl. 24—137.

Mader, Wilfried: *See*—
Strohmeier, Harald, and Mader. 3,004,873.

Maderni, Piero, and H. Ruckstuhl, to Saul & Co., as nominee of Fidelity Union Trust Co., executive trustee under Sandoz Trust. Metal-containing azo dyestuffs. 3,007,913, 11–7–61, Cl. 260—146.

Madeux, Robert S., to The Bristol Co. Orienting and feeding apparatus. 2,997,202, 8–22–61, Cl. 221—9.

Madey, Richard, to Litton Systems, Inc. Multi-color display tube. 2,967,262, 1–3–61, Cl. 315—12.

Mädge, Joachim: *See*—
Bretthauer, Hermann, Mädge, and Kröger. 2,987,977.

Madge, Joachim, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Twin lens reflex camera with parallax compensation. 2,981,166, 4–25–61, Cl. 95—44.

Madigan, Basil M., to Goodyear Aircraft Corp. Illuminating device for a map simulator. 2,986,626, 5–30–61, Cl. 240—1.3.

Madigan, John J. Method and apparatus for determining the quantitative relationship of components in products by measurement of gamma ray penetration thereof. 2,992,332, 7–11–61, Cl. 250—83.3.

Madill, John B.: *See*—
Wilson, Ronald M., Dunning, and Madill. 3,008,608.

Madison, John J.: *See*—
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Madison Kipp Corp.: *See*—
Coleman, Thomas E., and Schultz. 2,971,230.

Madison, William G.: *See*—
Zimmerman, Samuel P., and Madison. 2,994,399.

Madland, Glen R., and D. Errichiello, to Motorola, Inc. Portable radio. 2,984,740, 5–16–61, Cl. 250—14.

Madland, Thorvald, to Youngstown Steel Door Co. Lifting and supporting mechanism for sliding doors of railway box cars. 2,992,461, 7–18–61, Cl. 20—22.

Madland, Thorvald, to The Youngstown Steel Door Co. Laterally movable doors. 3,006,040, 10–31–61, Cl. 20—23.

Mador, Irving L., and L. J. Rekers, to National Distillers and Chemical Corp. Synthesis of diamines. 2,991,312, 7–4–61, Cl. 260—583.

Madsen, Herman P., to E. I. du Pont de Nemours and Co. Process and apparatus for severing film. 3,009,851, 11–21–61, Cl. 156—159.

Madsen, Jay, deceased; J. J. Tydings, S. B. Shults, and Steuben Trust Co., executors. Vehicle transmission shift controls. 3,010,337, 11–28–61, Cl. 74—473.

Madsen, Jens A. W.: *See*—
Albertson, Frank O., and Madsen. 2,993,397.

Madsen, Robert A., to United Aircraft Corp. Fastener device. 2,992,685, 7–18–61, Cl. 170—159.

Madson, Hugh D. Pipe hanger. 2,992,800, 7–18–61, Cl. 248—74.

Maduk, Eugene A., and R. W. Ricker, to Aluminum Co. of America. Refractory and method of making the same. 3,011,982, 12–5–61, Cl. 252—520.

Maeda, Chiyomatsu. Steam trap. 2,970,603, 2–7–61, Cl. 137—194.

Maeder, Arthur, T. Weber, G. Sulzer, W. Fatzer, and P. Guertler, to Ciba Ltd. Process for improving fibrous material and composition therefor. 2,976,167, 3–21–61, Cl. 117—33.

Maeder, Erwin: *See*—
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Duennenberger, Max, Siegrist, and Maeder. 2,995,564.
Siegrist, Adolf E., Duennenberger, and Maeder. 3,010,967.

Maeder, Maurice E., ⅓ to W. Lesse, and ⅓ to M. L. Brown. Zipper pull and guard device. 3,006,051, 10–31–61, Cl. 24—205.15.

Maeder, Paul F., to Speidel Corp. Inertial detector. 2,993,100, 7–18–61, Cl. 200—61.53.

Maenpaa, Wilho K., to General Railway Signal Co. Cab signalling system for railroads. 2,982,851, 5–2–61, Cl. 246—63.

Maertins, Gustave R. Means for mounting a folding side guard on a bed frame. 2,976,548, 3–28–61, Cl. 5—331.

Maeser, Mieth, to United Shoe Machinery Corp. Machines for attaching insoles to lasts. 2,984,847, 5–23–61, Cl. 12—1.

Maffet, Vere, to E. I. du Pont de Nemours and Co. Process for preparing silver halide emulsions. 3,000,739, 9–19–61, Cl. 96—108.

Maffii, Giulio: *See*—
Teotino, Uberto, and Maffii. 3,005,827.

Magarian, Charles A.: *See*—
Mestdagh, Jerome J., and Magarian. 3,004,941.

Magarian, Gerald M., to Preco Inc. Air flow operated brush devices for vacuum cleaners. 3,005,224, 10–24–61, Cl. 15—372.

Magarian, Major C. Gun sight gear rack play compensator. 3,012,326, 12–12–61, Cl. 33—49.

Magarshack, John M., and E. Moss, to The British Cotton Industry Research Assn. Device for measuring energy input to raising rollers of textile raising machines. 2,999,294, 9–12–61, Cl. 26—33.

Magat, Michel: *See*—
Bruma, Marc, and Magat. 2,969,482.

Magazzu, John T., to Container Corp. of America. Container with cover lock. 2,989,223, 6–20–61, Cl. 229—16.

Mag-Craft Corp.: *See*—
Drieborg, Luke C. 2,991,965.

Magee Carpet Co., The: *See*—
Park, Orrin J., and Cotner. 2,974,690.
Park, Orrin J., and Cotner. 3,001,552.
Park, Orrin J., and Penman. 2,973,785.
Penman, Montgomery B. 2,971,722.
Penman, Montgomery B. 3,006,295.
Rehm, Frank C. 2,975,502.

Magee, Ellington M., to Esso Research and Engineering Co. Oxidation of gaseous hydrocarbons to formaldehyde. 3,014,969, 12–26–61, Cl. 260—604.

Magee, Harold. Outlet box hanger. 3,011,747, 12–5–61, Cl. 248—216.

Magee, James V.: *See*—
Conn, John B., Magee, and Sheehan. 3,014,779.

Magee, John E. Foot ladder actuated safety means. 3,012,633, 12–12–61, Cl. 187—1.

Magee, Philip S.: *See*—
Ferstandig, Louis L., and Magee. 2,987,502.

Magee, Philip S., to California Research Corp. Preparation of benzylamine. 2,987,548, 6–6–61, Cl. 260—570.9.

Magee, Robert C.: *See*—
Thomson, John B., and Magee. 3,005,665.

Mageli, Orville L., and E. Chang, to Wallace & Tiernan, Inc. 3,6-dimethyloctane-3,6-dihydroperoxide. 2,996,549, 8–15–61, Cl. 260—610.

Mageoch, Harry Y., to Electric Service Works, Delta-Star Electric Division, H. K. Porter Co. (Delaware). Strain insulator. 2,967,903, 1–10–61, Cl. 174—180.

Mageoch, Harry Y., to H. K. Porter Co., Inc. Electric conductor-hanger alining means. 2,990,458, 6–27–61, Cl. 191—40.

Mageoch, Harry Y., to H. K. Porter Co., Inc. Distributed contact system. 3,002,059, 9–26–61, Cl. 191—6.

Mageoch, Harry Y., and D. E. Childs, to H. K. Porter Co., Inc. Current collector shoe. 3,008,015, 11–7–61, Cl. 191—59.1.

Magerlein, Barney J.: *See*—
Birkenmeyer, Robert D., Lednicer, Kagan, and Magerlein. 3,000,910.

Magerlein, Barney J., and F. Kagan, to The Upjohn Co. Phosphonates, acid derivatives thereof and their salts. 2,993,067, 7–18–61, Cl. 260—461.

Magerlein, Barney J., and J. A. Hogg, to The Upjohn Co. 11β-hydroxy-17α-alkyl estrogens and intermediates in the production thereof. 2,991,295, 7–4–61, Cl. 260—397.5.

Magg, Alfred, to Zahnradfabrik Friedrichshafen, Aktiengesellschaft. Synchronization device, particularly for motor vehicle gear shift transmissions. 3,003,607, 10–10–61, Cl. 192—53.

Magg, Gabriele: *See*—
Würmbock, Gabriele, Niemann, and E. and O. Würmbock. 2,971,920.

Maggio, Vincent A., to Shell Oil Co. Contacting vessel with solids bed and screens. 3,006,740, 10–31–61, Cl. 23—288.

Maggioni & C.S.p.A.: *See*—
Cavallini, Guido, and Ravenna. 3,010,873.

Magid, Jerome C.: *See*—
Zabler, Erwin E., and Magid. 2,979,826.

Magid, Max, to United States of America, Air Force. Wave guide-to-coaxial line coupling for traveling wave amplifiers. 2,979,636, 4–11–61, Cl. 315—39.3.

Magid, Sidney H. Apparatus for forming and heat sealing tubular edgings to thermoplastic sheet material. 2,985,221, 5–23–61, Cl. 154—1.8.

Magill, Arthur A., J. S. Hellen, and W. T. Owens, to Fairchild Camera and Instrument Corp. Apparatus for dynamic optical sensing of nonalignment of rotating bodies. 3,012,468, 12–12–61, Cl. 88—14.

Magill, George M. M., to The English Electric Co. Ltd. Hydraulic devices. 2,980,077, 4–18–61, Cl. 121—62.

Magin, August: *See*—
Reppe, Walter, and Magin. 3,006,961.

Magleby, Kay B., and V. E. Van Duzer, to Hewlett-Packard Co. Plural series gate sampling circuit using positive feedback. 3,011,129, 11–28–61, Cl. 328—151.

Magna-Bond, Inc.: *See*—
Urexler, Stanley. 2,979,416.

Magnaflux Corp.: *See*—
De Forest, Taber. 2,979,655.
Gewartowski, Richard S., and Deibel. 2,990,512.
McClurg, Glenn O., and Brown. 3,001,130.

Magnani, Alessandro. Apparatus for manufacturing sheets of fibrous materials. 2,975,833, 3–21–61, Cl. 162—318.

Magnani, Arthur: *See*—
Georgian, Vlasios, and Magnani. 3,013,026.

Magnavox Co., The: *See*—
Azari, Eric. 2,981,411.
Azari, Eric, Gray, Malin, Nelson, and Thompson. 2,982,544.
Azari, Eric, Malin, and Orner. 2,983,507.
Eggman, Max E. 2,973,827.
Endo, Minoru T. 2,982,546.
Hayes, Robert M., and Wiener. 2,988,216.
Hayes, Robert M., and Wiener. 2,997,174.
Howe, Richard C. 2,970,545.
Knefel, Emanuel A. 2,968,480.
Malin, Herman J., and Westermeier. 2,977,113.
Mayle, George W. 2,988,217.
Moore, Luther E., and Shaw. 2,972,940.
Nelson, Alfred M., Mondt, and Stern. 3,001,549.
Nelson, Alfred M., and Orner. 2,969,979.
Nelson, Alfred M., Stern, and Wiener. 2,988,215.
Nelson, Alfred M., Stern, and Wiener. 2,997,173.

Magnavox Co., The: *See*—Continued
Orner, Allan. 3,005,632.
Piper, Chester L. 2,977,881.
Piper, Chester L., and Voke. 3,007,411.
Reese, Glenn A. 2,988,616.
Richardson, John E. 2,994,068.
Wiener, Jerome B. 2,974,307.
Wiener, Jerome B. 3,013,658.
Wiener, Jerome B., Stern, and Nelson. 2,973,200.
Wiener, Jerome B., and Wilson. 2,985,299.

Magne, Frank C.: *See*—
Dupuy, Harold P., Goldblatt, and Magne. 2,971,855.

Magnenat, René P., to Exec Mfg. Corp. Paste dispenser. 2,984,393, 5–16–61, Cl. 222—501.

Magnesium Elektron Ltd.: *See*—
Unsworth, William. 2,970,904.

Magness, James F., to Standard Oil Co. Method for manufacture of isoprene. 2,985,696, 5–23–61, Cl. 260—680.

Magnet Cove Barium Corp.: *See*—
Chisholm, Walter F. 3,009,874.
Kohen, Sam I. 2,970,108.
Reddie, William A. 2,986,516.
Reddie, William A., and Griffin. 2,994,660.
Van Dyke, Orien W., and Reddie. 3,006,845.

Magnetic Devices, Inc.: *See*—
Price, Osborne I., Sr. 3,012,110.

Magnetic Engineering & Mfg. Co.: *See*—
Ferris, James J., and Hope. 2,987,184.

Magnetic Heating Corp.: *See*—
Rudd, Wallace C. 2,986,811.
Rudd, Wallace C. 3,015,017.
Rudd, Wallace C. 3,015,018.
Stanton, Robert J., Schmidt, and Rudd. 2,992,319.

Magnetics, Inc.: *See*—
Brandon, James C., Jr., and Eyberger. 3,011,213.

Magnus, Elmer G.: *See*—
Fitzpatrick, William J., Magnus, and Manion. 2,997,968.

Magnus, Finn H., to Magnus Organ Corp. Chord type reed organ. 2,987,949, 6–13–61, Cl. 84—351.

Magnus, Herbert A.: *See*—
Stott, Albert M., and Magnus. 3,000,173.

Magnus Organ Corp.: *See*—
Magnus, Finn H. 2,987,949.

Magnus, Oscar F., to American Brake Shoe Co. Operating mechanism for rail lubricator. 2,995,209, 8–8–61, Cl. 184—3.

Magnuson, Clarence E., to General Dynamics Corp. Pilot chute ejection device. 2,967,685, 1–10–61, Cl. 244—149.

Magnuson, Donald V., and H. J. McDonald, to Labline, Inc. Chromatographic separation apparatus. 2,986,280, 5–30–61, Cl. 210—198.

Magnuson, Donald V., and H. J. McDonald, to Labline, Inc. Electrophoresis method and apparatus. 2,992,979, 7–18–61, Cl. 204—180.

Magnuson, Genevieve I.: *See*—
Magnuson, Roy M. 2,982,319.
Magnuson, Roy M. 2,985,210.
Magnuson, Roy M. 2,990,665.
Magnuson, Roy M. 2,997,085.
Wood, Richard A. 3,005,935.

Magnuson, Robert: *See*—
Magnuson, Roy M. 2,985,210.
Magnuson, Roy M. 2,990,665.
Magnuson, Roy M. 2,997,085.
Wood, Richard A. 3,005,935.

Magnuson, Robert E.: *See*—
Doull, Roy D., and Magnuson. 2,975,452.

Magnuson, Vernon P.: *See*—
Beck, Robert M., Fairchild, Magnuson, and Palevsky. 3,007,640.
Beck, Robert M., Fairchild, Magnuson, and Palevsky. 3,007,641.

Magnuson, Roy M., deceased, by G. I. Magnuson, to International Minerals & Chemical Corp. Apparatus for spraying and/or dispensing liquid. 2,982,319, 5–2–61, Cl. 141—160.

Magnuson, Roy M., deceased, by G. I. Magnuson, executrix, ½ to herself and ½ to G. I. and R. Magnuson, and L. J. Fox, trustees. Treating apparatus for fruit and vegetable articles. 2,985,210, 5–23–61, Cl. 146—46.

Magnuson Roy M., deceased; G. I. Magnuson, executrix, ½ to herself and ½ to G. I. Magnuson, R. Magnuson, and L. J. Fox, as trustees. Article feeding apparatus and method. 2,990,665, 7–4–61, Cl. 53—35.

Magnuson, Roy M., to International Minerals & Chemical Corp. Method of spraying and dispensing liquid. 2,992,928, 7–18–61, Cl. 99—182.

Magnuson, Roy M., deceased; G. I. Magnuson, executrix, ½ to California Packing Corp., ¼ to G. I. Magnuson, and ¼ to G. I. and R. Magnuson and L. J. Fox as trustees. Peeling machine for fruit and vegetables. 2,997,085, 8–22–61, Cl. 146—47.

Magnusson, Knut J., to United States of America, Navy. Facsimile scanning system. 2,988,595, 6–13–61, Cl. 178—7.6.

Magone, Roscoe. Swimming device. 2,975,438, 3–21–61, Cl. 9—307.

Magoon, Fred L., Jr.: *See*—
Boggs, Herbert D., and Magoon. 2,997,737.

Magor, Lincoln S., to Retor Developments Ltd. Control device and system. 2,995,899, 8–15–61, Cl. 60—97.

Magovern, Robert L., H. C. Ries, and I. L. Breier, to Shell Oil Co. Process for the recovery of iodine. 3,006,731, 10–31–61, Cl. 23—216.
Magrath, Richard A., to Baird-Atomic, Inc. Sample cell for spectroscopic apparatus. 2,970,216, 1–31–61, Cl. 250—43.5.
Magrini, Peter J., Sr.: *See*—
Insolio, Thomas A., Carini, and Magrini. 2,983,391.
Magtag Co., The: *See*—
Martin, Paul A. 2,985,966.
Maguire, Alan E. Rotary mower cutter assembly. 3,010,269, 11–28–61, Cl. 56—295.
Maguire, Harold D., to Maguire Power Implements, Inc. Cultivator attachment for tractors. 2,976,937, 3–28–61, Cl. 172—98.
Maguire, Harold D. Anti-fouling rotary cultivator. 2,995,195, 8–8–61, Cl. 172—556.
Maguire, J. J.: *See*—
Friedman, Herbert. 3,011,055.
Maguire, J. J., Co.: *See*—
Friedman, Herbert. 3,011,055.
Maguire, James B.: *See*—
Joseph, Robert T., and Maguire. 2,977,299.
Maguire, John J., to American Bosch Arma Corp. Universal sliding mount. 2,983,476, 5–9–61, Cl. 248—346.
Maguire Power Implements, Inc.: *See*—
Maguire, Harold D. 2,976,937.
Maha, Otto J., and Z. J. Lansky, to Parker-Hannifin Corp. Fluid pressure cylinder. 3,011,844, 12–5–61, Cl. 308—2.
Mahaffy, Reid A., and J. R. Harder, to Albert F. Goetze, Inc. Automatic switching and storage conveyor. 2,980,231, 4–18–61, Cl. 198—31.
Mahaffy, Reid A., and J. R. Harder, to Bartelt Engineering Co. Weight classifying device. 2,993,597, 7–25–61, Cl. 209—121.
Mahaffy, Reid A., and J. R. Harder, to Albert F. Goetze, Inc. Automatic switching and storage conveyor. 3,009,299, 11–21–61, Cl. 53—54.
Mahan, Guy S. Filing cabinet. 3,011,852, 12–5–61, Cl. 312—351.
Mahan, John E., to Phillips Petroleum Co. Method for developing thrust by the combustion of bipropellants. 2,969,639, 1–31–61, Cl. 60—35.4.
Mahan, John E., to Phillips Petroleum Co. N,N,N′,N′,N″,N″-hexasubstituted-1,2,3-triamino-propanes. 2,987,547, 6–6–61, Cl. 260—570.5.
Mahan, John E., and R. P. Williams, to Phillips Petroleum Co. Preparation of 6-methylnicotinic acid. 2,993,904, 7–25–61, Cl. 260—295.5.
Mahan, John E., and S. D. Turk, to Phillips Petroleum Co. Production of pyridine homologs. 2,995,558, 8–8–61, Cl. 260—290.
Mahand, Jack, and L. L. Bailey. Fluid operable device for controlling engines and the like. 2,996,079, 8–15–61, Cl. 137—620.
Maharick, Matt, to The Youngstown Steel Car Corp. Bulkhead for vehicle bodies. 3,007,423, 11–7–61, Cl. 105—376.
Maharick, Matt, to Youngstown Steel Car Corp. Stabilizer coupling for air cushion suspension. 3,007,715, 11–7–61, Cl. 280—124.
Maharick, Matt, to Youngstown Steel Car Corp. Air cell supported road vehicled frame. 3,007,716, 11–7–61, Cl. 280—124.
Maharick, Matt, and C. S. Usher, to Youngstown Steel Car Corp. Gondola car roof. 2,985,118, 5–23–61, Cl. 105—377.
Mahdesyan, Martin: *See*—
Belgarde, Leo, Fairchild, and Mahdesyan. 3,002,870.
Maher, Joseph L., to National Tank Co. Gas scrubbers. 2,992,814, 7–18–61, Cl. 261—23.
Maher, Joseph L. Process and apparatus for recovering hydrocarbons from gas streams. 3,007,543, 11–7–61, Cl. 183—4.7.
Maher, William O. Vehicle safety steering column and protective shield. 3,011,823, 12–5–61, Cl. 296—84.
Mahler, Benjamin, and J. Powazi, to Morveleye Plastics, Inc. Adjustable pouring spout. 2,968,423, 1–17–61, Cl. 222—49.
Mahler, Peter A., to Singer-Fidelity, Inc. Multiple yarn feed circular hosiery knitting machines. 2,987,899, 6–13–61, Cl. 66—42.
Mahler, Peter A., to Singer-Fidelity, Inc. Circular knit stockings. 2,987,900, 6–13–61, Cl. 66—185.
Mahler, Peter A., and K. R. Boyer, to Singer-Fidelity, Inc. Toothed yarn controller. 2,970,460, 2–7–61, Cl. 66—140.
Mahler, Peter A., and P. J. Haas, to Singer-Fidelity, Inc. Loose course attachment for knitting machines. 2,981,085, 4–25–61, Cl. 66—54.
Mahler, Walter, to E. I. du Pont de Nemours and Co. Polyfluoroalkylbiphosphine-bis-(nickel tricarbonyl) compounds. 2,968,665, 1–17–61, Cl. 260—439.
Mahlfeldt, Walter, and H. Schweinfurth. Oscillating system excited at or in the neighbourhood of resonance. 2,967,434, 1–10–61, Cl. 74—87.
Mahlfeldt, Walter. Unbalanced rotor dynamoelectric machine. 2,972,688, 2–21–61, Cl. 310—81.
Mahlman, Bert H., and H. M. Spurlin, to Hercules Powder Co. Recovery and purification of polyolefins. 3,009,907, 11–21–61, Cl. 260—93.7.
Mahmarian, Levon. Pile carpet. 3,006,383, 10–31–61, Cl. 139—406.
Mahn, George R.: *See*—
Zunick, Michael J., and Mahn. Re. 25,067.
Mahn, Herbert, to Jos. Schneider & Co., Optische Werke. Iris diaphragm for photographic or cinematographic objectives. 3,005,395, 10–24–61, Cl. 95—64.
Mahon, Henry I., and M. C. Gill, to Aerojet-General Corp. Propellant grain restriction. 2,977,884, 4–4–61, Cl. 102—98.
Mahoney, Charles H.: *See*—
Taylor, Ernest R., Mahoney, and Lay. 3,005,334.
Mahoney, Clarence L.: *See*—
Barnum, Emmett R., Mahoney, and Sax. 3,006,852.
Mahoney, Eugene T., to Johnson Fare Box Co. Motor and apparatus for controlling unattended parking lot. 2,975,350, 3–14–61, Cl. 318—487.
Mahoney, John J.: *See*—
Santosuosso, Ralph, and Mahoney. 3,006,380.
Mahoney, John P., Jr.: *See*—
Floyd, Frederick K., Simons, Mahoney, and Vaughn. 2,994,418.
Mahoney, Tennis, to M. B. Beaver. Printing device. 2,987,995, 6–13–61, Cl. 101—376.
Mahony, John P., B. Ostendorf, Jr., G. Parker, and R. A. Vanderlippe, to Bell Telephone Laboratories, Inc. Station control circuit for multistation line. 3,001,010, 9–19–61, Cl. 178—2.
Maico Electronics, Inc.: *See*—
Rose, John F. 2,991,333.
Wales, Donald A. 2,974,277.
Maiden, Clinton E., to Pacific Semiconductors, Inc. High voltage semiconductor rectifier. 2,979,645, 4–11–61, Cl. 317—234.
Maiden, Clinton E., and D. A. German, to Pacific Semiconductors, Inc. Semiconductor device and method of manufacturing same. 2,998,558, 8–29–61, Cl. 317—234.
Maiden, Clinton E. and E. E., to Pacific Semiconductors, Inc. Microminiature semiconductor devices. 3,002,133, 9–26–61, Cl. 317—234.
Maiden, Elmo E.: *See*—
Maiden, Clinton E. and E. E. 3,002,133.
Maiden Form Brassiere Co., Inc.: *See*—
Maas, Alfred E. 2,967,527.
Maidl, Virgil M. Pullman camper truck attachment. 2,976,078, 3–21–61, Cl. 296—26.
Maidment, Earl P.: *See*—
Fettig, Arthur J., Jenks, Lasdine, Maidment, and Runde. 2,981,421.
Maidment, Earl P., to Burroughs Corp. Document arresting means. 2,995,366, 8–8–61, Cl. 271—86.
Maidment, Earl P., and B. A. Runde, to Burroughs Corp. Paper supply and feed mechanism for printing business machines. 2,973,081, 2–28–61, Cl. 197—133.
Maieli, Vincent: *See*—
Weiss, Marvin, Maieli, and Oppen. 2,985,023.
Maienknecht, Galle E. Manual control valve. 2,982,516, 5–2–61, Cl. 251—340.
Maier, Alfred E., to Federal Pacific Electric Co. Circuit breakers. 3,002,068, 9–26–61, Cl. 200—88.
Maier, Curtis E., to Continental Can Co., Inc. Molding apparatus. 2,981,976, 5–2–61, Cl. 18—42.
Maier, Howard A., to American Optical Co. Camera attachment for microscope. 2,967,456, 1–10–61, Cl. 88—24.
Maier, Karl W., to Olin Mathieson Chemical Corp. Web stretching method and apparatus. 2,978,740, 4–11–61, Cl. 18—1.
Maier, Leo A., Jr.: *See*—
Jackson, Alonzo C., Hunt, and Maier. 3,007,022.
Maier, Lorenz, to Firma Kienzle Apparate G.m.b.H. Transporting apparatus for cards. 2,988,356, 6–13–61, Cl. 271—4.
Maier, Moritz: *See*—
Nissen, Oskar K., Maier, and Weiler. 2,973,085.
Maier, Otto H., Jr., to Evans Enterprises, Inc. Apparatus for unscrambling and separating bars. 2,995,235, 8–8–61, Cl. 198—29.
Maier, Robert E., and F. C. Starr, Jr., to E. I. du Pont de Nemours and Co. Extrusion method. 3,013,309, 12–19–61, Cl. 18—55.
Maier, Walter, and K. Bernkiau, to Farbenfabriken Bayer Aktiengesellschaft. Hot stretching of polyacrylonitrile yarns with draw point located on feed roller. 3,001,236, 9–26–61, Cl. 18—48.
Maier, Walter J.: *See*—
Sosnowski, John, Maier, Sweetser, and Priestley. 2,969,319.
Maierform Holding S. A.: *See*—
Costa, Leo, and Schumacher. 3,010,419.
Maiershofer, Karl: *See*—
Distel, Joseph W., Parrish, and Maiershofer. 2,969,766.
McMaster, Archie J., and Maiershofer. 3,007,370.
Maiershofer, Karl, to G-M Laboratories Inc. Slide viewer. 2,983,061, 5–9–61, Cl. 40—63.
Maiershofer, Karl M., to G-M Laboratories Inc. Camera shutter. 3,014,417, 12–26–61, Cl. 95—59.
Maietta, Horace P.: *See*—
Hoppe, James O., and Maietta. 2,996,433.
Maijala, William A.: *See*—
Humphrey, Andrew J., and Maijala. 2,985,786.
Mail, Isaac P.: *See*—
Fisher, Richard S., Gartland, Mail, and Stieber. 2,992,901.
Mailen, Tyson H., and C. W. Mertz, to Phillips Petroleum Co. Cuprous alkyl mercaptide insecticides and fungicides. 3,008,870, 11–14–61, Cl. 167—22.

Mailhot, Paul J.: *See*—
Hemstreet, Harold S., Fogarty, Mailhot, Read, and Hunt. 3,007,258.
Maillard, Felix O., to Industrial Development Co. (Establishment). Processes and apparatus for the manufacture of concrete articles, particularly of reinforced concrete. 2,983,021, 5–9–61, Cl. 25—121.
Maimon, Acharon. Scouring machine for scouring grain. 2,969,821, 1–31–61, Cl. 146—296.
Main, Charles E.: *See*—
Vroom, Clifford G., Deffenbaugh, and Main. 2,980,879.
Main, Leo E., J. R. Piper, and L. J. Smith, to Bell & Gossett Co. Flow meter with cylindrical spring restriction. 2,979,947, 4–18–61, Cl. 73—207.
Main, Merrill M. Teflon hose fitting. 3,004,780, 10–17–61, Cl. 285—242.
Maines, Richard A.: *See*—
Clarke, Ford K., Maines, and Snyder. 2,986,846.
Mainieri, Lena. Measuring attachment for a bottle neck. 3,005,578, 10–24–61, Cl. 222—450.
Mainone, Nell C.: *See*—
Mainone, Robert H. 2,981,485.
Mainone, Robert H., deceased; N. C. Mainone, administratrix. Discharge apparatus for brush disintegrators and the like. 2,981,485, 4–25–61, Cl. 241—101.
Mains, Gerald H., L. W. McGinnis, and J. S. Tatnall, to National Vulcanized Fibre Co. Apparatus for strip treatment. 2,993,492, 7–25–61, Cl. 134—57.
Mainz, Franz: *See*—
Kilian, Georg, and Mainz. 2,968,895.
Mainzer, Robert, to Bright Star Industries. Warning unit and flashlight for energizing same. 3,014,123, 12–19–61, Cl. 240—6.4.
Mair, Alex C.: *See*—
Weiss, Irwin K., Mair, Jackman, Brown, and Sayers. 2,978,253.
Mair, Joseph. Potentiometer. 3,011,142, 11–28–61, Cl. 338—174.
Mairs, Thomas G., H. R. Russell, and F. W. Locke, to Waldorf Paper Products Co. Frozen poultry boxes. 3,014,635, 12–26–61, Cl. 229—38.
Maisel, Daniel S.: *See*—
Hill, Arthur B., Maisel, and Wood. 3,007,977.
Schatz, Ralph H., Etherington, and Maisel. 2,992,180.
Wood, Donald W., and Maisel. 3,007,778.
Maisey, Roy F.: *See*—
Birtwell, Stanley, Jones, and Maisey. 2,978,456.
Maison, George L., and I. Porush, to Riker Laboratories, Inc. Aerosol dispensing apparatus. 3,001,524, 9–26–61, Cl. 128—173.
Maison, Richard L. Fluid pressure regulating valve. 2,983,280, 5–9–61, Cl. 137—505.46.
Maitani, Yoshihisa. Mechanism associated with exposure meter for controlling the diaphragm in the camera equipped with interchangeable lens. 2,983,205, 5–9–61, Cl. 95—10.
Maitenaz, Bernard C., to Societe des Lunetiers Cottet Poichet, Tagnon & Cie. Cutting machine, in particular for spheroidal or toroidal surfaces. 2,982,058, 5–2–61, Cl. 51—124.
Maitland, Robert T., to The Bendix Corp. Insulated mounting clamp for electrical components. 2,979,554, 4–11–61, Cl. 174—138.
Maitlen, Eldon G., to Food Machinery and Chemical Corp. Control of nematodes employing N-nitroso-N,N,dimethylamine. 2,970,939, 2–7–61, Cl. 167—22.
Maiwald, Theodor: *See*—
Figdor, Hans, Kindl, Maiwald, Schager, and Zecha. 2,986,042.
Maize, James A.: *See*—
Leitner, Richard G., and Maize. 2,975,235.
Maize, James W.: *See*—
Heyer, Don, and Maize. 2,983,536.
Majac, Inc.: *See*—
Croft, George M. 2,991,946.
Majendie, Alastair M. A., to Smiths America Corp. Navigational instruments. 2,978,674, 4–4–61, Cl. 340—27.
Majendie, Alastair M. A., to Smiths America Corp. Navigational instruments. 2,998,600, 8–29–61, Cl. 343—107.
Majendie, Alastair M. A., and H. Pollak, to Smiths America Corp. Gyro verticals. 2,972,893, 2–28–61, Cl. 74—5.47.
Majercak, John V.: *See*—
Guth, Fred H., and Majercak. 2,974,271.
Majerus, John B., and A. H. Wulfsberg, to Collins Radio Co. Pulse coding system. 2,973,509, 2–28–61, Cl. 340—345.
Majeske, Henry L., to American Screen Products Co. Hanger assembly for sliding doors. 3,011,209, 12–5–61, Cl. 16—105.
Majeski, Mary T. Stacked arrangement of beds. 3,011,180, 12–5–61, Cl. 5—9.
Majeski, Robert W. Tackle box with superposed trays. 3,005,671, 10–24–61, Cl. 312—216.
Majewski, Alfred E.: *See*—
Gordon, Dwight M., and Majewski. 2,976,743.
Majewski, John V., to McGraw-Edison Co. Secondary lead bracket. 3,005,613, 10–24–61, Cl. 248—226.
Majka, Edward J.: *See*—
Young, Harland H., and Majka. 2,978,382.
Majkrzak, Charles P.: *See*—
Bresk, Raymond H., and Majkrzak. 2,982,964.
Major, Frederick W.: *See*—
Cranford, William B., and Major. 2,975,169.
Major Industries, Inc.: *See*—
Jerabek, Charles A., Spilman, and Stephenson. 3,002,584.
Makant, Joseph E., and H. Collins, to Collins Bros. Machine Co. Automatic stop spindle mechanism. 2,975,584, 3–21–61, Cl. 57—88.
Makara, Frank: *See*—
Shelare, Robert, and Makara. 3,005,272.
Makeham, Frank R.: *See*—
Kimber, Kenneth G., Makeham, and Foden. 2,996,119.
Makela, Eino R., to Reserve Mining Co. Cutter means for balling drum. 2,974,358, 3–14–61, Cl. 18—1.
Makens, Leslie A. Collapsible shelter. 3,009,212, 11–21–61, Cl. 20—2.
Maker, Frank L., to California Research Corp. Tank stabilizer for ships. 2,992,622, 7–18–61, Cl. 114—74.
Makhtsavei Israel: *See*—
Baniel, Abraham. 2,967,825.
Maki, Jacob V. Device for removing or placing light globes in sockets. 2,983,541, 5–9–61, Cl. 294—20.
Makin, Earle C., Jr., to Monsanto Chemical Co. Extraction distillation. 2,979,545, 4–11–61, Cl. 260—666.
Makin, Earle C., Jr., to Monsanto Chemical Co. Hydrocarbon separation. 2,983,768, 5–9–61, Cl. 260—674.
Makin, Earle C., Jr., to Monsanto Chemical Co. Solvent extraction of naphthalenic from non-naphthalenic aromatic hydrocarbons using dimethyl sulfoxide. 3,005,032, 10–17–61, Cl. 260—674.
Makovski, Stephen A., to United Shoe Machinery Corp. Last jacks. 2,975,443, 3–21–61, Cl. 12—126.
Makovski, Stephen A., to United Shoe Machinery Corp. Improvements in methods of molding outsoles to shoes. 3,007,184, 11–7–61, Cl. 12—145.
Makowski, Alexander G., to American Can Co. Method of producing plastic containers. 2,980,963, 4–25–61, Cl. 18—47.5.
Makowski, Henry S.: *See*—
Cain, William P., Minckler, and Makowski. 2,996,473.
Makowski, Henry S., and J. V. Fusco, to Esso Research and Engineering Co. Process of curing 1-olefin copolymers with a trihalomelamine and zinc or cadmium salts and product thereof. 2,997,452, 8–22–61, Cl. 260—41.
Makowski, Jerzy, to Fairchild Stratos Corp. Overspeed safety check for turbines. 3,008,688, 11–14–61, Cl. 253—59.
Makowski, Jerzy, and G. Denneby, to Fairchild Engine and Airplane Corp. Air conditioning unit. 2,983,116, 5–9–61, Cl. 62—419.
Makrauer, Irvin, to The Sydney Thomas Corp. Garment bag dispensing unit. 2,982,398, 5–2–61, Cl. 206—57.
Makulec, Alfred: *See*—
Phillips, Donald R., Dobras, Makulec, and Fisher. 2,971,083.
Malafonris, Dannie O., to Hearth Craft, Inc. Fireplace screen mounting bracket. 2,973,176, 2–28–61, Cl. 248—228.
Malan, George L. Vibrator. 2,988,337, 6–13–61, Cl. 259—1.
Malapert, Jean, to Etablissements Ad. Mischler (S.A.R.L.). Openable roof for railway car. 2,997,967, 8–29–61, Cl. 105—377.
Malarkey, Neil, Jr. Press machine. 2,981,307, 4–25–61, Cl. 154—1.
Malasky, John: *See*—
Soderberg, John W. 2,980,887.
Malbaurn, William: *See*—
Handshuh, Albert, and Malbaurn. 2,987,656.
Malbrain, John P., to Thompson Ramo Wooldridge Inc. Frequency counter. 2,992,384, 7–11–61, Cl. 324—78.
Malco Mfg. Co.: *See*—
Just, Alex, Maximoff, and Kalmar. 2,995,617.
Kalmar, Harold B., Conter, and Coulon. 2,983,898.
Krol, Stanley J., and Sola. 3,002,669.
Krol, Stanley J., and Sola. 3,004,581.
Maximoff, Paul A., and Krol. 3,002,654.
Malcolm, James E.: *See*—
Edwards, Theodoric B., and Malcolm. 2,988,343.
Malcolm Kenneth Co.: *See*—
Cohen, Henry G. 2,991,479.
Malcolm, Robert H.: *See*—
Brehm, Richard J., and Malcolm. 2,989,925.
Malcolm, Robert H., to International Harvester Co. Process for constructing and balancing engines. 2,980,989, 4–25–61, Cl. 29—156.4.
Malcomb, Robert H., to Regan Forge and Engineering Co. Deep well orienting tool. 3,000,440, 9–19–61, Cl. 166—4.
Maldari, D., and Sons, Inc.: *See*—
Maldari, Donato. 3,008,434.
Maldari, Ralph A. 2,974,613.
Maldari, Donato, to D. Maldari and Sons, Inc. Macaroni die. 3,008,434, 11–14–61, Cl. 107—14.
Maldari, Ralph A., to D. Maldari and Sons, Inc. Macaroni die. 2,974,613, 3–14–61, Cl. 107—14.
Male, Carleton: *See*—
Krebs, Samuel, Howard, Male, and Sumpter. 2,975,904.
Malec, David V., to Outboard Marine Corp. Gas tank oil gauge. 3,006,314, 10–31–61, Cl. 116—118.
Malec, Jerry P. Adjustable automatic oiler means for air conduits. 2,984,316, 5–16–61, Cl. 184—55.
Malec, Robert E., to Standard Oil Co. Motor fuel composition. 2,991,162, 7–4–61, Cl. 44—58.
Malecki, George J. Preservation of flowers. 2,971,292, 2–14–61, Cl. 47—58.
Malecki, George J., to Patent Protection Corp., as trustee. Preservation of color of canned green vegetables. 2,976,157, 3–21–61, Cl. 99—186.
Malecki, George J. Canning processes. 2,989,403, 6–20–61, Cl. 99—186.
Malek, Georg, to A. Handler, and K. Vockenhuber. Motion picture camera control mechanism. 2,981,145, 4–25–61, Cl. 88—16.

Malek, Georg, to A. Handler, and K. Vockenhuber. Motion picture camera. 3,012,491, 12–12–61, Cl. 95—45.
Malek, Louis L. Adjustable garment hanger. 2,979,241, 4–11–61, Cl. 223—94.
Malek, Mitchell F. Safety cover for book matches. 2,985,286, 5–23–61, Cl. 206—29.
Malenich, George, to General Precision Inc. Safety wire simulator. 2,975,531, 3–21–61, Cl. 35—8.
Maley, Gerald A., to International Business Machines Corp. Typewriting calculating machine. 3,013,250, 12–12–61, Cl. 340—172.5.
Maley, Gerald A., to International Business Machines Corp. Trigger with three stable states. 3,015,043, 12–26–61, Cl. 307—88.5.
Maley, Gerald A., and W. W. Boyle, to International Business Machines Corp. Binary trigger circuit. 3,015,040, 12–26–61, Cl. 307—88.5.
Malfeld, Otto, to Leitz, Ernst, Gesellschaft mit beschrankter Haftung. Device for simultaneously exchanging optical systems. 2,977,848, 4–4–61, Cl. 88—39.
Malfeld, Otto, to Ernst Leitz, G.m.b.H. Parallelogram guide for object tables and the like. 3,010,363, 11–28–61, Cl. 88—40.
Malherbe, Roger F. D.: *See*—
Navarre, Roger F. D. 2,994,150.
Malia, John P. Tape dispenser-container. 3,005,580, 10–24–61, Cl. 225—39.
Malian, Arthur M.: *See*—
Neville, Richard S., and Malian. 2,986,820.
Malick, Dell M.: *See*—
Wilson, Woodrow S., and Malick. 2,971,680.
Malick, Emil A., to Phillips Petroleum Co. Jet engine combustion processes. 3,013,383, 12–19–61, Cl. 60—35.4.
Malick, Franklin S., to Allis-Chalmers Mfg. Co. Magnetic timing device. 2,983,827, 5–9–61, Cl. 307—88.
Malick, Franklin S., T. A. Daly, and J. C. Voorhees, to United States of America, Navy. Triaxial control system. 2,974,620, 3–14–61, Cl. 114—23.
Malik, Adam H.: *See*—
Jenkins, Arthur C., Malik, and Pruett. 2,980,494.
Malik, John. Vehicle jack. 2,973,875, 3–7–61, Cl. 214—334.
Malin, Bernard, to Eli Lilly and Co. Methods of producing l-tryptophane. 2,999,051, 9–5–61, Cl. 195—29.
Malin, Herbert, to The Dow Chemical Co. Process for continuously metering catalyst into a polymerization system. 2,976,270, 3–21–61, Cl. 260—92.8.
Malin, Herman J.: *See*—
Azari, Eric, Gray, Malin, Nelson, and Thompson. 2,982,544.
Azari, Eric, Malin, and Orner. 2,983,507.
Malin, Herman J., and D. H. Westermeier, to Magnavox Co. Card processing apparatus. 2,977,113, 3–28–61, Cl. 271—11.
Malinaric, Paul J. Noise eliminator. 2,999,905, 9–12–61, Cl. 179—100.1.
Malinofsky, Walter W., to United States of America, Army. Method of preparation of barium titanate powder. 2,976,116, 3–21–61, Cl. 23—51.
Malinovszky, Andrew H.: *See*—
Cooper, Roydon B., and Malinovszky. 3,006,403.
Malinowski, Tadeusz, and W. Mandler, to Ernst Leitz, Canada Ltd. Rangefinder sight with rangefinder of external basis type. 2,999,415, 9–12–61, Cl. 88—2.2.
Malinowski, Theodore P., to Monsanto Chemical Co. Flocculation. 3,001,933, 9–26–61, Cl. 210—54.
Mall, Gunther: *See*—
Huggins, Owen R. 2,969,859.
Huggins, Owen R. 2,979,299.
Reeber, Rudolf, and Mall. 2,971,481.
Reeber, Rudolf, Mall, Seewald, and Schonthaler. 2,985,127.
Malleable Iron Fittings Co.: *See*—
Huggins, Owen R. 2,983,010.
Malleable Research and Development Foundation: *See*—
Snoeyenbos, Gordon E., and Johnson. 3,004,311.
Mallebrein, Rainer, to Telefunken G.m.b.H. Electronic storage system. 2,984,790, 5–16–61, Cl. 328—124.
Mallery, Paul, to Bell Telephone Laboratories, Inc. Magnetic control circuits. 2,987,625, 6–6–61, Cl. 307—88.
Mallery, Paul, to Bell Telephone Laboratories, Inc. Magnetic memory arrangement. 2,988,733, 6–13–61, Cl. 340—174.
Mallet, Fred J. Moistening device. 3,000,348, 9–19–61, Cl. 118—246.
Mallett, John D.: *See*—
Barlow, Edward J., Mallet, Bertram, and Daspit. 2,972,141.
Malley, Thomas J., H. D. Schindler, J. D. Pennell, Jr., and W. B. Innes, to American Cyanamid Co. Alumina of controlled density and catalysts prepared therefrom. 2,980,632, 4–18–61, Cl. 252—465.
Malley, Thomas J., and H. D. Schindler, to American Cyanamid Co. Extrusion of chromia alumina catalysts. 2,991,255, 7–4–61, Cl. 252—455.
Mallina, Rudolph F., to Thompson Ramo Wooldridge Inc. Repeating mechanism. 2,977,125, 3–28–61, Cl. 274—14.
Mallinckrodt Chemical Works: *See*—
Conard, Charles R., and Lemp. 2,990,247.
North, Edward D., Rode, and Tompkin. 2,968,551.
Ter-Pogossian, Michel. 2,968,725.
Verner, Harry G., and Kuebler. 3,004,835.
Wiegert, Philip E. 3,004,964.
Wilson, Wilbur J., Small, and Burford. 2,986,451.
Mallis, Arnold, A. C. Miller, and C. E. Trautman, to Gulf Research & Development Co. Petroleum hydrocarbon insecticidal composition containing organo-silicon oxide condensation product. 2,988,473, 6–13–61, Cl. 167—27.
Mallog, Peter H. Supporting device. 3,011,587, 12–5–61, Cl. 182—150.
Mallonee, James E., to E. I. du Pont de Nemours and Co. Stable polyurethane latex and process of making same. 2,968,575, 1–17–61, Cl. 106—287.
Mallory, Edwin E., E. E. Heston, R. H. Kline, and R. L. Christy, to National Rubber Machinery Co. Extruder with adjustable choke. 2,970,341, 2–7–61, Cl. 18—12.
Mallory, Marion, Jr., to The Mallory Research Co. Dual circuit breaker construction. 2,987,589, 6–6–61, Cl. 200—30.
Mallory, P. R., & Co., Inc.: *See*—
Fuller, Frederick J. 2,999,654.
Fuller, Frederick J. 3,003,525.
Huetten, Clarence, Reeve, and Reuter. 2,999,916.
Neely, Lloyd F., and Ang. 2,983,096.
Nieders, Harold. 3,013,190.
Simmons, Harold T. 3,015,003.
Webb, Donald E., and Aldrer. 3,013,152.
Wilson, Eric J. R. 2,989,428.
Mallory Research Co., The: *See*—
Mallory, Marion, Jr. 2,987,589.
Malloy, John E.: *See*—
Armbrecht, Bernard H., and Malloy. 2,972,925.
Malloy, John E., ⅓ to J. M. Ashe, and ⅓ to S. Ashe. Apparatus for raising submerged vessels. 2,969,034, 1–24–61, Cl. 114—54.
Malloy, William M., Sr. Feed control for a bird feeder. 2,984,209, 5–16–61, Cl. 119—52.
Mally, George G., P. Lalli, and Z. Gniadowski, to Bundy Tubing Co. Method of making tube from strip metal stock. 2,998,047, 8–29–61, Cl. 153—54.
Malm, Anders E., to Aktiebolaget Kanthal. Electrically heated furnace. 2,981,820, 4–25–61, Cl. 219—35.
Malm, Carl J., M. E. Rowley, and G. D. Hiatt, to Eastman Kodak Co. Method of preparing cellulose sulfate. 2,969,355, 1–24–61, Cl. 260—215.
Malm, Karl O. B., to Aktiebolaget Bofors. Fuse for anti-tank mine. 2,970,544, 2–7–61, Cl. 102—70.
Malm, Richard F., and W. C. Colberg, to United States of America, Treasury. Coded navigational flashers. 2,972,706, 2–28–61, Cl. 315—225.
Malm, Roy H.: *See*—
Higgs, Paul M., Malm, and Robertson. 2,984,719.
Malmberg, Bror V. Roll feed. 2,990,722, 7–4–61, Cl. 74—121.
Malme, Charles I. Transducer. 3,014,098, 12–19–61, Cl. 179—111.
Malmquist, Alfred B., and R. J. Mayfield, Jr., to E. I. du Pont de Nemours and Co. Coated fabrics and process therefor. 2,989,423, 6–20–61, Cl. 117—145.
Malmquist, Carl E., and W. W. Chambers, to Robertshaw-Fulton Controls Co. Multi-way valve. 2,988,108, 6–13–61, Cl. 137—625.46.
Malmrose, John P.: *See*—
Evans, Rupert L., and Malmrose. 3,004,634.
Malmstrom, Magne H.: *See*—
Bergman, Lars O., Malmstrom, and Uden. 3,005,630.
Malobicky, Rudolph L.: *See*—
McKelvey, Harold E., and Malobicky. 2,981,563.
Malone, Harold L.: *See*—
Michatek, Chester W., and Malone. 2,986,979.
Malone, James P.: *See*—
Bowler, Robert P. 3,007,506.
Pratt, William J. 2,968,057.
Malone, James P. Container means. 2,992,030, 7–11–61, Cl. 292—17.
Malone, Joseph. Bearing retainer and seal structure for tractor track roller. 2,990,220, 6–27–61, Cl. 308—187.1.
Malone, Thomas S., to Minerals & Chemicals Philipp Corp. Method for preparation of rounded clay-acid masses. 2,967,158, 1–3–61, Cl. 252—450.
Maloney, Bernard: *See*—
Mann, William, and Maloney. 3,010,541.
Maloney, Bernard, and W. R. Polanin, to American Steel Foundries. Unit brake arrangement. 3,009,544, 11–21–61, Cl. 188—52.
Maloney, Clifford B. Boat trailer hitch. 2,984,846, 5–23–61, Cl. 9—1.
Maloney, Clifford J., and C. P. Weber, to United States of America, Army. Inclusive matching device. 2,976,724, 3–28–61, Cl. 73—156.
Maloney-Crawford Tank and Mfg. Co.: *See*—
Dukler, Abraham E., Norris, and Prengle. 2,995,499.
Maloney Electric Co.: *See*—
Heagler, Ellis F., and Bellaschi. 3,011,012.
Maloney, F. H., Co.: *See*—
Kimber, George E. 3,009,216.
Maloney, John F.: *See*—
Maloney, William W. and J. F. 2,968,238.
Maloney, Norvin G., Jr., to E. I. du Pont de Nemours and Co. Broken filament detector. 3,013,429, 12–19–61, Cl. 73—160.
Maloney, Robert E.: *See*—
Morser, Calvin S., Maloney, and Benoit. 2,998,999.
Morser, Calvin S., Maloney, and Benoit. 3,005,666.
Maloney, William W. and J. F., to Checkwriter Sales Co. Inking mechanism for check writers. 2,968,238, 1–17–61, Cl. 101—96.

Maloof, Ralph P., to National Frost Protection Co., Inc. Propeller fan. 2,985,245, 5–23–61, Cl. 170—173.
Malott, Clifton S., Jr., to McGraw-Edison Co. Automatic by-pass control. 2,974,948, 3–14–61, Cl. 270—81.
Malott, John O. Slingshot. 2,995,129, 8–8–61, Cl. 124—20.
Malouf, Emil E.: *See*—
Zimmerley, Stuart R., and Malouf. 2,967,757.
Zimmerley, Stuart R., Malouf, and Prater. 2,972,531.
Malpede, Albert J.: *See*—
Vani, James, and Malpede. 2,978,718.
Vani, James, and Malpede. 2,987,067.
Malsbary Mfg. Co.: *See*—
Hirsch, Fred. 2,981,484.
Malspeis, Louis: *See*—
Lachman, Leon, and Malspeis. 2,986,494.
Malta Mfg. Co.: *See*—
Brengman, Fred C. 3,012,292.
Maltby, Frederick L.: *See*—
Coles, Ralph V., Maltby, and Nye. 2,993,497.
Maltby, Frederick L. Control and indicating device. 2,995,105, 8–8–61, Cl. 116—124.
Maltby, Frederick L., E. L. Weber, and H. A. Riester, to Robertshaw-Fulton Controls Co. Recording mechanism. 2,993,741, 7–25–61, Cl. 346—34.
Maltby, Wilson R. Mine firing mechanism. 3,010,395, 11–28–61, Cl. 102—18.
Malthaner, William A., to Bell Telephone Laboratories, Inc. Cathode follower tube circuit. 2,987,677, 6–6–61, Cl. 330—70.
Maluf, Taufik G. Cloth drilling device. 3,000,238, 9–19–61, Cl. 77—5.
Maluta, Aulo, and L. Casale, to A.P.E. Applicazione Processi Elettrochimici S.p.A. Process for the production of complex fertilizers containing nitrogen, phosphorus, potassium and magnesium. 2,977,213, 3–28–61, Cl. 71—41.
Maly, George P., to Union Oil Co. of California. Production of petroleum by water flooding. 2,976,926, 3–28–61, Cl. 166—9.
Maly, George P., to Union Oil Co. of California. Water flooding process with pre-pressure step. 2,988,142, 6–13–61, Cl. 166—9.
Maly, George P., to Union Oil Co. of California. Process for preparing fluid sols of organic elastomers. 2,992,200, 7–11–61, Cl. 260—28.5.
Malz, Hugo, A. Mulier, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. Agent for combating rodents. 2,994,638, 8–1–61, Cl. 167—46.
Malz, Hugo, O. Bayer, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric acid esters. 2,995,568, 8–8–61, Cl. 260—326.5.
Malz, Hugo, T. Kempermann, H. Esser, and F. Lober, to Farbenfabriken Bayer Aktiengesellschaft. Vulcanisation accelerators for vulcanisable elastomers. 3,004,005, 10–10–61, Cl. 260—79.
Malzahn, Ronald C.: *See*—
Zorn, Ralph A., Malzahn, and Hanson. 2,985,534.
Mamalis, Patrick: *See*—
Green, Joseph, McHale, and Mamalis. 2,976,288.
Mamas, Leo G.: *See*—
Hickman, Richard W., Mamas, and Alexander. 3,007,052.
Mamas, Leo G., to Industrial Nucleonics Corp. Special mill controls. 3,006,225, 10–31–61, Cl. 80—56.
Mammel, Walter K.: *See*—
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Mammola, Joseph P. Means and method of mounting electronic components. 2,985,709, 5–23–61, Cl. 174—68.5.
Mamo, Anthony C., to Borg-Warner Corp. Hydrodynamic torque transmitting device. 2,994,197, 8–1–61, Cl. 60—54.
Mamon, Michel. Magnetic amplifier. 3,015,073, 12–26–61, Cl. 330—8.
Mamontov, Vladimir A. Vacuum cleaner wand head. 3,006,022, 10–31–61, Cl. 15—364.
Mamzic, Charles L., to Moore Products Co. Pneumatic control apparatus. 2,969,080, 1–24–61, Cl. 137—84.
Man, Maschinenfabrik Augsburg-Nurnberg AG: *See*—
Volk, Heinrich, and Dechant. 2,970,549.
Managhan, Basil J. Drain-a-matic valve. 2,995,140, 8–8–61, Cl. 137—60.
Manahan, Max J.: *See*—
Ford, Bill J., Guyton, Jenkins, and Manahan. 2,972,119.
Manahan, Max J., to General Motors Corp. Saturation permeability tuned transistor radio. 2,989,688, 6–20–61, Cl. 323—89.
Manahan, Max J., to General Motors Corp. Pulsed magnet saturation signal seeking tuner. 3,001,067, 9–19–61, Cl. 250—20.
Manahan, Max J., to General Motors Corp. Tuning indicator means for saturable core tuner. 3,012,194, 12–5–61, Cl 324—78.
Manahan, Max J., and K. S. Vogt, to General Motors Corp. High frequency relay control circuit. 2,981,870, 4–25–61, Cl. 317—147.
Manas, Herman D. and R. J., to M.R.M. Machinery Co., Inc. Labeling machine. 2,967,636, 1–10–61, Cl. 216—54.
Manas, Roy J.: *See*—
Manas, Herman D. and R. J. 2,967,636.
Mancera, Octavio: *See*—
Ringold, Howard J., Mancera, and Kincl. 2,997,489.
Mancera, Octavio, H. J. Ringold, and C. Djerassi, to Syntex S.A. 15-dehydro-cortical hormones. 3,014,936, 12–26–61, Cl. 260—397.45.
Manchester Machine & Tool Co.: *See*—
Novkov, Raymond E. 2,967,345.
Manchester, Randall S., and J. J. Corrigan, to Norton Co. Back-up pad. 3,014,318, 12–26–61, Cl. 51—195.
Manchester, Rowe G. Adjustable strike plate. 2,993,719, 7–25–61, Cl. 292—341.18.
Manchester, Rowe G., to Rowe Line Corp. Film splicing device. 3,004,883, 10–17–61, Cl. 156—506.
Manchester, William J., to Power Grip, Inc. Precision power chuck. 2,974,969, 3–14–61, Cl. 279—123.
Manchester, William J. Pneumatic actuator. 3,002,496, 10–3–61, Cl. 121—38.
Mancina, Anthony: *See*—
Balbach, Raymond E., Mancina, and Elms. 2,972,461.
Mancini, Louis P. Portable first aid cabinet. 2,999,583, 9–12–61, Cl. 206—12.
Mancusi, Joseph J., Jr., to Altair, Inc. Valves. 3,008,479, 11–14–61, Cl. 137—68.
Mancusi, Joseph J., Jr., to Chapman Machine Co., Inc. Sealing and dispensing device. 3,008,611, 11–14–61, Cl. 222—207.
Mancuso, Anthony. Sofa bed construction. 2,989,759, 6–27–61, Cl. 5—55.
Mandaville, Gurney L. Phoria meter. 2,986,068, 5–30–61, Cl. 88—20.
Mandel, Charles E.: *See*—
Orsino, Joseph A., and Mandel. 3,002,040.
Mandell, Orville W., to Jarvis Corp. Portable power saw. 2,987,084, 6–6–61, Cl. 143—43.
Mandelstam, Abraham. Portable electrically operated fan and light. 3,010,645, 11–28–61, Cl. 230—249.5.
Mandler, Walter: *See*—
Malinowski, Tadeusz, and Mandler. 2,999,415.
Mandler, Walter, to Ernst Leitz, G.m.b.H. Universal alignment instrument. 2,978,950, 4–11–61, Cl. 88—14.
Mandler, Walter, to Ernst Leitz Canada Ltd. Photographic objective. 3,006,249, 10–31–61, Cl. 88—57.
Mandler, Walter, and E. Wagner, to Ernst Leitz, Canada Ltd., Optical Works. High aperture photographic objective. 2,975,673, 3–21–61, Cl. 88—57.
Mandolf, Henry I., to Langley Corp. Fishing reel. 3,000,586, 9–19–61, Cl. 242—84.2.
Mandorf, Victor, Jr., to Union Carbide Corp. Titanium diboride article. 3,003,885, 10–10–61, Cl. 106—39.
Mandrapa, Obren P. Centrifugal honey extractors. 3,007,255, 11–7–61, Cl. 34—58.
Mandrel Industries, Inc.: *See*—
Cox, David C. 3,012,666.
Mize, Doyle D., Sundt, and Drewa. 2,980,885.
Manees, Raymond C.: *See*—
Yates, Paul R., and Manees. 2,992,682.
Maness, Norman B. Tool holder. 2,977,668, 4–4–61, Cl. 29—80.
Manetta, Cesare A., and W. W. Weiss, to Fedders Corp. Air conditioning apparatus. 2,995,345, 8–8–61, Cl. 257—271.
Manetti, Guglielmo, to Comerio Ercole S.p.A. Machine for washing spread out printed cloth. 3,000,201, 9–19–61, Cl. 68—62.
Manganello, Ernest A. Trucks with movable side plates. 2,992,038, 7–11–61, Cl. 296—36.
Manganese Chemicals Corp.: *See*—
Welsh, Jay Y. 3,011,867.
Manganese Steel Forge Co.: *See*—
Scherfel, Otto C. 3,008,676.
Mangano, Silvio: *See*—
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Mange, Franklin E.: *See*—
Skees, Hugh B., and Mange. 2,987,536.
Mangels, Herold, Co., Inc.: *See*—
Dorsett, Rowell R. 2,993,745.
Manger, Charles W., and F. F. Ehrich, to E. I. du Pont de Nemours and Co. Beta-phase dihydroquinacridone and process. 3,007,930, 11–7–61, Cl. 260—279.
Manger, Willem H.: *See*—
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Mangham, Jesse R., to Ethyl Corp. Process for the manufacture of cyclopentadienyl group III-A metal compounds. 2,969,382, 1–24–61, Cl. 260—448.
Mangiaracina, Charles J., to Radio Corp. of America. Rapid film acceleration device. 2,986,317, 5–30–61, Cl. 226—61.
Mangini, Andrew J., to Pennsylvania Furnace and Iron Co. Vehicular tank valve. 2,997,052, 8–22–61, Cl. 137—77.
Mango, Roberto. Convertible bed. 2,974,325, 3–14–61, Cl. 5—98.
Mangold, Donald J., J. E. McCarthy, and S. L. Clark, to Olin Mathieson Chemical Corp. Preparation of solid organoboron compounds. 3,011,001, 11–28–61, Cl. 260—606.5.
Mangone, Ivan W., to Offshore Structure & Service Co. Mobile self-erecting marine platforms. 2,968,930, 1–24–61, Cl. 61—46.5.
Mangum, Uvas S.: *See*—
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Manheimer, George J. Automatic aerosol dispensing device. 2,989,214, 6–20–61, Cl. 222—180.
Manintveld, Jan A.: *See*—
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Manion, Dewey A.: *See*—
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Manion, Jean P.: *See*—
Barrick, James G., and Manion. 2,996,352.
Manitowoc Engineering Corp.: *See*—
Nickles, Edward B., and Williams. 2,985,318.
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Chipalkatti, Vasant B., and Manivannan. 3,014,777.
Mankawich, Joseph A.: *See*—
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Mankoff, Lawrence L.: *See*—
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Mankoff, Lawrence L., and A. L. Streater, to General Electric Co. Electric circuit breaker. 2,998,499, 8–29–61, Cl. 200—150.
Mankouski, Charles. Holder for welding rods. 2,990,468, 6–27–61, Cl. 219—138.
Mankovitz, David. Phonograph tone arm constructions. 3,006,652, 10–31–61, Cl. 274—23.
Manley, Audre M. Propeller guard for outboard motorboat. 2,983,246, 5–9–61, Cl. 115—42.
Manley, Brian W.: *See*—
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Manley, Inc.: *See*—
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Manley, John H., to United States of America, Atomic Energy Commission. Control means for reactor. 2,990,358, 6–27–61, Cl. 204—193.2.
Manley, Robert E., to Texaco Inc. Petroleum refining process. 2,967,146, 1–3–61, Cl. 208—144.
Manley, Robert E., to Texaco Inc. Ink oil and method of manufacture. 2,967,782, 1–10–61, Cl. 106—311.
Manley, Thomas C., to Welsbach Corp. Process for the separation and recovery of monobasic and dibasic acids. 2,998,439, 8–29–61, Cl. 260—419.
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Manly, Donald G., to The Quaker Oats Co. Production of 2,3-dihydropyran. 2,976,299, 3–21–61, Cl. 260—345.1.
Mann, Basil B., and E. G. Strubing, to Bell Telephone Laboratories, Inc. Wire unwrapping tool. 2,998,034, 8–29–61, Cl. 140—123.
Mann, Charles W., and C. P. Merhib, to United States of America, Army. Transverse shrinkage tester. 2,968,177, 1–17–61, Cl. 73—15.
Mann, Charles W., and A. J. De Glas, to Dynamics Corp. of America. Horizontal crystal mount. 3,008,060, 11–7–61, Cl. 310—8.9.
Mann, Frederick H., to Schlumberger Well Surveying Corp. Apparatus for exploring boreholes. 2,988,692, 6–13–61, Cl. 324—10.
Mann, Frederick H., and D. MacDougall, to Schlumberger Well Surveying Corp. Electrical logging methods and means. 3,014,175, 12–19–61, Cl. 324—1.
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Mann, John E.: *See*—
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Mann, Leonard J.: *See*—
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Mann, Leonard J., to General Motors Corp. Control means for refrigerating apparatus. 3,000,186, 9–19–61, Cl. 62—153.
Mann, Leonard J., E. C. Robbins, and C. H. Wurtz, to General Motors Corp. Frostless refrigerators. 2,994,209, 8–1–61, Cl. 62—215.
Mann, Leonard J., and J. J. O'Connell, to General Motors Corp. Two compartment frost-free refrigerator. 3,004,400, 10–17–61, Cl. 62—156.
Mann, Leonard J., J. J. O'Connell, and C. H. Wurtz, to General Motors Corp. Forced air cooled refrigerator. 3,004,401, 10–17–61, Cl. 62—156.
Mann, Morris. Photo lettering device. 3,008,392, 11–14–61, Cl. 95—4.5.
Mann, Ralph J., and J. Biedawski, to British Celanese Ltd. Process for reducing the luster of textile materials. 2,974,065, 3–7–61, Cl. 117—119.8.
Mann, Ralph J., and J. A. Grant, to British Celanese Ltd. Apparatus for coloring textile materials. 2,976,713, 3–28–61, Cl. 68—22.
Mann, Theodore C., to Ekstrom-Carlson & Co. Wood shaping machine provided with multi-surface cutting units. 2,985,205, 5–23–61, Cl. 144—116.
Mann, William, and B. Maloney, to American Steel Foundries. Drum brake mounting arrangement. 3,010,541, 11–28–61, Cl. 188—58.
Manna, Lee M., to American Machine & Foundry Co. Bicycle kickstand. 2,988,381, 6–13–61, Cl. 280—301.
Mannbro, Nils V. Processes of preparing cooking liquor for neutral sulphite digestion of cellulosic material. 3,003,908, 10–10–61, Cl. 162—33.
Mannella, Orlando A., to Amphenol-Borg Electronics Corp. Coaxial cable. 3,002,047, 9–26–61, Cl. 174—124.
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Naeser, Gerard, Scholz, and Helin. 3,010,819.
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Manney, Charles J.: *See*—
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Mannhardt, Wilbert P. Automatic bag dispenser. 2,988,245, 6–13–61, Cl. 221—42.
Mannheimer, David, to Sperry Rand Corp. Radio navigation station keeping system. 2,995,739, 8–8–61, Cl. 343—7.
Mannheimer, David, and C. W. Ericson, Jr., to Sperry Rand Corp. Target discriminating radar system. 2,969,537, 1–24–61, Cl. 343—11.
Mannheimer, Hans S., to J. J. McCabe, Jr., and H. S. Mannheimer. Novel compositions of matter and methods for preparing them. 2,993,918, 7–25–61, Cl. 260—401.
Mannheimer, Hans S., to himself and J. J. McCabe, Jr., jointly. Sulfates and sulfonates of N-tertiary amino alkylcarboxylic acid amides. 3,001,996, 9–26–61, Cl. 260—247.1.
Mannheimer, Hans S., to J. J. McCabe, Jr. and H. S. Mannheimer. Carboxylic acid amides of N-amino-alkyleneheterocyclic amines. 3,001,997, 9–26–61, Cl. 260—247.2.
Manni, Vincent E., to Westinghouse Electric Corp. Dynamoelectric machine. 3,010,038, 11–21–61, Cl. 310—64.
Manning, Albert E., and L. I. Matless, to Kelmore, Inc. Explosion-proof refrigerator. 3,003,683, 10–10–61, Cl. 230—17.
Manning, Charles G., to Douglas Aircraft Co., Inc. Impulse generator. 3,010,399, 11–28–61, Cl. 102—98.
Manning, Clarence F.: *See*—
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Manning, Curtis R., to Deering Milliken Research Corp. Moisture control arrangement and method. 3,005,238, 10–24–61, Cl. 19—66.
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Dunn, Jesse T., and Manning. 2,980,684.
Stansbury, Harry A., Jr., and Manning. 2,995,573.
Manning, Emmett W., to General Electric Co. Transformer. 2,975,357, 3–14–61, Cl. 323—44.
Manning, Frank H., 40% to W. I. Johnston. Voting machine. 3,006,539, 10–31–61, Cl. 235—53.
Manning, George, to Cocker Machine & Foundry Co. Slack roll lifting device. 2,988,798, 6–20–61, Cl. 28—35.
Manning, George, and J. A. McCoig, Sr., to Cocker Machine & Foundry Co. Fabric stretch control device. 2,999,295, 9–12–61, Cl. 26—54.
Manning, Howard H., to Champion DeArment Tool Co. Wire cutting pliers with wire stripping notches. 2,990,735, 7–4–61, Cl. 81—9.5.
Manning, Ivor, to Imperial Chemical Industries Ltd. Method of making sheet metal elements with passages therein. 2,990,608, 7–4–61, Cl. 29—157.3.
Manning, Joseph W.: *See*—
Harrison, Robert G., and Manning. 2,990,979.
Manning Mfg. Corp.: *See*—
Mills, Thomas C. 2,988,358.
Manning, Maxwell & Moore, Inc.: *See*—
Chapin, William S., and Lapinski. 2,997,966.
Chapin, William S., Jr., and Steins. 2,997,005.
Du Bois, Robert C. 2,999,478.
Du Bois, Robert C. 2,999,508.
Du Bois, Robert C. 3,001,538.
Gorgens, Joseph E., and Goff. 3,012,583.
Ziege, Norman E. 3,001,545.
Manning, Oscar. Showerhead. 2,968,443, 1–17–61, Cl. 239—460.
Manning, Oscar, and S. C. Winger. Snap action float valve. 2,995,144, 8–8–61, Cl. 137—422.
Manning, Paul D. V., and I. M. Le Baron, to International Minerals & Chemical Corp. Process for producing phosphatic materials. 2,976,119, 3–21–61, Cl. 23—109.
Manning, Paul D., and I. M. Le Baron, to International Minerals & Chemical Corp. Phosphatic materials and methods for the production thereof. 2,992,914, 7–18–61, Cl. 71—40.
Manning, Ralph M.: *See*—
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Peppin, Neal C. 2,993,451.
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Gilmont, Roger. 2,988,321.
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Manquen, John W., and H. Brown, to The Udylite Research Corp. Copper compositions and method for making the same. 2,970,951, 2–7–61, Cl. 204—52.
Mansachs, Kaj H., to F. L. Smidth & Co. Power transmission mechanism. 2,995,046, 8–8–61, Cl. 74—410.

Mansell, Geoffrey, to Robertshaw-Fulton Controls Co. Fluent material dispenser. 2,993,627, 7–25–61, Cl. 222—284.
Mansell, Henry J.: *See*—
Fekete, Francis A., Mansell, and Moco. 3,001,651.
Man-Sew Corp.: *See*—
Sigoda, Victor J. 2,973,731.
Sigoda, Victor J. 3,000,332.
Mansfield, Geoffrey C. G.: *See*—
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Mansfield, Geoffrey C. G., and J. V. Blyth, to D. Napier & Son Ltd. Engines for high speed aircraft or missiles. 3,000,180, 9–19–61, Cl. 60—39.08.
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Snyder, Russel C., and Partee. 2,997,939.
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Fulton, Howard A., and Henry. 2,989,071.
Mansfield, Vaughn. Method for continuous production of coke and heat. 2,997,426, 8–22–61, Cl. 22—6.
Mansfield, Vaughn. Coke quenching method and apparatus with cool coke recycle. 2,997,427, 8–22–61, Cl. 202—37.
Mansfield, Vaughn. Method for continuous coke production while extracting low temperature volatiles. 3,013,951, 12–19–61, Cl. 202—15.
Mansfield, Wilfred P., to The British Internal Combustion Engine Research Assn. Internal combustion engines and pistons therefor. 3,014,468, 12–26–61, Cl. 123—48.
Mansho, Etsuo. Punched can. 2,974,824, 3–14–61, Cl. 220—53.
Manske, Richard H. F., A. E. Ledingham, and W. R. Boos, to United States Rubber Co. Polyether resins. 3,005,783, 10–24–61, Cl. 260—2.
Manson, Walter J.: *See*—
Kenmore, Herbert, and Manson. 2,975,120.
Kenmore, Herbert, and Manson. 3,002,537.
Manson, Walter J., to National-Standard Co. High capacity wire collecting device. 2,994,490, 8–1–61, Cl. 242—83.
Manspeaker, Robert O.: *See*—
Keathley, Maurice F., Sr., and Manspeaker. 3,006,512.
Manspeaker, Robert O., and M. F. Keathley, Sr. Conveyor apparatus for foodstuffs. 3,004,651, 10–17–61, Cl. 198—185.
Manteuffel, Allan A., and W. D. Gilson, to The Pure Oil Co. Lubricant composition. 2,968,619, 1–17–61, Cl. 252—33.3.
Manteuffel, Erich W., to General Electric Co. Solid state power stage amplifier employing silicon rectifiers and half-cycle response magnetic amplifiers. 2,987,666, 6–6–61, Cl. 323—58.
Manthorp, George E., to The Jeffrey Mfg. Co. Belt conveyor idler. 3,011,623, 12–5–61, Cl. 198—192.
Manting, Jack F., to Manting Tool & Die Co. Hitch guard. 3,012,797, 12–12–61, Cl. 280—507.
Manting Tool & Die Co.: *See*—
Manting, Jack F. 3,012,797.
Mantua Metal Products Co., Inc.: *See*—
Lingard, Harold A. 3,009,425.
Lingard, Harold A., and Tyler. 2,984,044.
Mantz, Alonzo L., to Union Carbide Corp. Certain 2-(3-methylol imidazolidone-2-yl-1)ethyl acylates and process. 3,014,042, 12–9–61, Cl. 260—309.7.
Manuel, Charles J., and L. F. Plummer, to Moore Business Forms, Inc. Electric register. 2,966,971, 1–3–61, Cl. 192—2.
Mannel, James B. Sonar tow bar extension. 2,987,029, 6–6–61, Cl. 114—235.
Manufacture de Bethune: *See*—
Borzer, Henri E. A. 3,011,573.
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Manufacture d'Horlogerie de Bethune: *See*—
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Manville, George D. Threshold and attachment. 3,014,253, 12–26–61, Cl. 20—64.
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Many, Abraham, to Sylvania Electric Products Inc. Device for measuring electrical power. 3,001,135, 9–19–61, Cl. 324—95.
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Manzanera, Lorenzo, to Petty Laboratories, Inc. Rotary fluid compressors. 2,992,769, 7–18–61, Cl. 230—147.
Manzione, Homero L., R. J. Zerillo, and A. Knobel. Cap for paste tubes. 2,998,170, 8–29–61, Cl. 222—520.
Manzolillo, James L. Marine propeller. 2,972,382, 2–21–61, Cl. 170—159.
Mapelsden, George C., and W. R. Francis, to General Electric Co. Flexible electrical connector. 2,973,501, 2–28–61, Cl. 339—59.
Mapes, Leslie A. Automatic carton caser. 2,981,040, 4–25–61, Cl. 53—62.
Maple, Donald E., to E. I. du Pont de Nemours and Co. Delustered and stabilized polyamide. 3,002,947, 10–3–61, Cl. 260—37.
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Maragnano, Domenico, and E. Di Giulio, to Montecatini Societa Generale per l'Industria e Chimica. Linear polymers of improved mechanical and processing properties and methods for their production. 3,013,003, 12–12–61, Cl. 260—93.7.
Marano, Herbert W., to Wilson Jones Co. Collapsible storage file. 2,985,496, 5–23–61, Cl. 312—259.
Marano, Joseph A. Photochromatic astigmatic slide. 2,968,212, 1–17–61, Cl. 88—20.
Marasco, Harold E., to Marasco Shoe Machinery Co., Inc. Press for heel-attached shoe bottoms. 3,012,259, 12–12–61, Cl. 12—33.
Marasco, Paul B. Aspirator means. 2,980,344, 4–18–61, Cl. 239—338.
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Marcanello, Louis F. Antiskid device. 2,987,092, 6–6–61, Cl. 152—233.
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Tenscher, Katherine M. 2,968,303.
Marcellis, Jules J., to "A.V.R.," Achat, Ventes, Representations, Societe Anonyme. Ladders and improved ladder elements. 3,002,582, 10–3–61, Cl. 182—194.
Marcell, Sam A. Non-corrosive soldering flux and method of making same. 3,003,901, 10–10–61, Cl. 148—23.
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Marchal, Henri M and M. T. Radiology apparatus, in particular for pulmonary statidensiography. 3,014,130, 12–19–61, Cl. 250—71.5.
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Marchand, Jean F., to North American Philips Co., Inc. Magnetic frequency divider circuit arrangement. 2,967,950, 1–10–61, Cl. 307—88.
Marchand, Jean F., to North American Philips Co., Inc. Matrix memory system. 2,979,701, 4–11–61, Cl. 340—174.
Marchand, Raymond. Pneumatic conveying means. 3,003,821, 10–10–61, Cl. 302—53.
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Marchant Research, Inc.: *See*—
Hunter, Jonathan. 2,989,595.
Marcheguet, Henri G. L., and L. Gandon, to Nobel-Bozel. Process for extracting sulphur dioxide from gases using glyoxal. 2,994,585, 8–1–61, Cl. 23—178.
Marchessault, Fernand. Curling broom. 2,983,939, 5–16–61, Cl. 15—160.
Marchetti, Charles J., and C. H. Tresch, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Helicopters. 3,002,710, 10–3–61, Cl. 244—17.17.

Marchetti, Mario E. Bow tie holders. 2,988,228, 6–13–61, Cl. 211—13.

Marchionda, Gerardo A., and A. Molins. Oil retainer for rotating and sliding axles. 3,003,799, 10–10–61, Cl. 288—2.

Marchuck, Frank, and G. J. Newfield. Writing instrument with paper supply. 2,991,952, 7–11–61, Cl. 242—55.53.

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Marconi, Joseph. Hand fishing reel. 3,010,673, 11–28–61, Cl. 242—85.1.

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Chandler, David H. 3,013,216.
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Grisdale, George L., and Bickers. 2,985,875.
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Hill, Michael W. 3,001,148.
Houghton, Peter A. 3,000,567.
Jolliffe, Sidney A. W., and Watson. 3,015,098.
Lord, Arthur V., and Vigurs. 2,996,581.
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Starks-Field, Alfred B., and Watkins. 3,011,119.
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Marcosky, Frank M. Binocular adapter for cameras. 2,990,759, 7–4–61, Cl. 95—12

Marcou, Pierre C., and J. L. Daguet. Narrow-band telephony system. 2,998,491, 8–29–61, Cl. 179—15.5.

Marcus, Erich: *See*—
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Marcus, Erich, J. T. Fitzpatrick, and F. C. Frostick, Jr., to Union Carbide Corp. (Aminoalkyl) pyrenes and process for their preparation. 2,993,894, 7–25–61, Cl. 260—247.

Marcus, Erich, and J. T. Fitzpatrick, to Union Carbide Corp. 4-halo-3-halomethyltetrahydropyran. 3,014,045, 12–19–61, Cl. 260—345.1.

Marcus, Friedrich-Karl. Method for producing alginic acid. 3,012,892, 12–12–61, Cl. 99—131.

Marcus, Jerome R.: *See*—
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Marcus, Konrad H., and J. F. Donnelly, to Donnelly Mirrors, Inc. Mirror. 3,002,856, 10–3–61, Cl. 117—124.

Marcus, Natalie S., E. R. Holmstrom, and M. M. Smith, to American Biltrite Rubber Co., Inc. Decorative floor and wall covering and process for making same. 3,012,285, 12–12–61, Cl. 18—48.8.

Marcus, Norman, and W. A. Fraser, to Servo Corp. of America. Infrared transmitting achromatic lens system. 2,972,932, 2–28–61, Cl. 88—57.

Marcuse, Dietrich, to Bell Telephone Laboratories, Inc. Microwave mode filter. 2,978,657, 4–4–61, Cl. 333—98.

Marcy, Erwin L. Lock nut. 3,013,598, 12–19–61, Cl. 151—21.

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Marcy, Stephen P., to Electronic Associates Inc. Quadrature signal rejector. 2,996,677, 8–15–61, Cl. 328—134.

Marcy, Willard, and R. Netsch, to The American Sugar Refining Co. Method of producing a dry sugar-cocoa mix. 3,006,763, 10–31–61, Cl. 99—26.

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Marden, Bryan E., to Charles E. Douglas & Co. Ltd. Wrapping machines. 2,982,071, 5–2–61, Cl. 53—226.

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Marechal, Robert, to Societe Industrielle & Commerciale R. Marechal S.I.C.M.A. Adjustable seat structure. 3,001,821, 9–26–61, Cl. 297—366.

Marek, Ronald W., to Olin Mathieson Chemical Corp. Analytical method. 2,986,452, 5–30–61, Cl. 23—230.

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Marette, Ralph T., and P. J. Miller, to The Weatherhead Co. Vacuum control valve. 2,998,024, 8–29–61, Cl. 137—620.

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Mariani, Frank N. Mounting for rear vision reflector. 2,990,428, 9–12–61, Cl. 88—98.

Marica, John, to D. J. Alexander Corp. Disposal apparatus for crushable articles. 2,968,235, 1–17–61, Cl. 100—218.

Marie, Georges R. P. Circular to rectangular guide coupling system. 3,008,100, 11–7–61, Cl. 333—21.

Marié, Pierre G. Resonant directional couplers. 2,999,988, 9–12–61, Cl. 333—10.

Marie, Pierre G. Circularly polarized antenna system. 3,001,193, 9–19–61, Cl. 343—100.

Marien, Melvin W., to Ramsey Corp. Piston ring. Re. 24,930, 1–31–61, Cl. 309—45.

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Marinace, John C., to International Business Machines Corp. Diffusion control in germanium. 3,001,896, 9–26–61, Cl. 148—1.5.

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Marindin, Frederick R., to Doran Bros., Inc. Automatic grinding machine. 3,007,286, 11–7–61, Cl. 51—46.

Marindin, Robert, to International Harvester Co. Hydraulic power lift control means for tractors. 2,998,851, 9–5–61, Cl. 172—7.

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Marine Moisture Control Co., Inc.: *See*—
Gravert, William H. 2,996,818.

Marine National Exchange Bank of Milwaukee: *See*—
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Marinelli, Loreto P., T. M. Andrews, and J. C. Montermoso, to United States of America, Army. Fire-resistant copolymers of organotin acrylates and haloalkyl-substituted vinyl compounds. 3,012,018, 12–5–61, Cl. 260—80.5.

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Maringer, Melvin F., and S. P. Rowland, to National Distillers and Chemical Corp. Urea-formaldehyde modification of branched chain polyamides and product obtained thereby 3,012,986, 12–12–61, Cl. 260—45.2.

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Atkinson, Edward R., Mark, and Rubinstein. 2,973,396.
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Marker, Hannes. Ski-binding devices 3,009,710, 11–21–61, Cl. 280—11.35.
Markert, Hans, and H. Frotscher, to Bohme Fettchemie G.m.b.H. Process for the prevention of formation of electrostatic charge. 2,986,479, 5–30–61, Cl. 117—139.5.
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Markin, George. Wood turning cutting tool. 2,986,177, 5–30–61, Cl. 142—56.
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Markoff-Moghadam, Leo. Fastener of slider type with interlocking parts made out of molded elastic materials. 2,997,765, 8–29–61, Cl. 24—201.
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Markowitz, Jerome, to Allen Organ Co. Electronic organ and the like having chiff and other tonal characteristic producing means. 2,989,886, 6–27–61, Cl. 84—1.19.
Markowitz, Jerome, to Allen Organ Co. Electronic organ and the like having transient tonal characteristics producing means. 2,989,887, 6–27–61, Cl. 84—1.24.
Marks, Alexander A. Ignition and control system. 2,981,323, 4–25–61, Cl. 158—123.
Marks, Alvin M., to Marks Polarized Corp. Multi-layer light polarizing structure. 2,982,178, 5–2–61, Cl. 88—65.
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Marks, Burton S., and B. O. Schoepfle, to Hooker Chemical Corp. Esters of antimonous acids and their pentavalent derivatives and methods of preparing same. 2,993,924, 7–25–61, Cl. 260—446.
Marks, Burton S., and B. O. Schoepfle, to Hooker Chemical Corp. Trivalent antimony salts of organic acids and their pentavalent derivatives and methods of preparing same. 2,996,528, 8–15–61, Cl. 260—446.
Marks, Edna L. Garment protector. 2,994,088, 8–1–61, Cl. 2—47.
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Marks, Meyer, to Admiral Corp. Control systems. 2,989,677, 6–20–61, Cl. 318—460.
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Marks, William J. Water distribution means for vehicle windshield washers. 3,008,170, 11–14–61, Cl. 15—250.04.
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Marland, Joseph A. One-way clutch. 2,998,113, 8–29–61, Cl. 192—45.
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Marlow, Douglas G., to United Geophysical Corp. Piezoelectric hydrophone. 2,988,728, 6–13–61, Cl. 340—10.
Marlow, Michael J., to Dowty Mining Equipment Ltd. Hydraulic props or struts. 3,000,358, 9–19–61, Cl. 121—40.
Marlowe, Richard H., to General Electric Co. Radio frequency apparatus. 2,973,455, 2–28–61, Cl. 315—39.
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Marquis, Donald P., to General Motors Corp. Ball joint assembly. 3,013,829, 12–19–61, Cl. 287—90.

Marquis, Duane E., to Phillips Petroleum Co. Subsurface hydraulic pump. 2,975,768, 3–21–61, Cl. 121—158

Marquis, Duane E., to Phillips Petroleum Co. Apparatus for control of fluid-operated pumps. 2,993,447, 7–25–61, Cl. 103—46.

Marquis, Duane E., G. F. Miller, and H. W. Patterson, to Phillips Petroleum Co. Drill pipe shock absorber. 2,976,930, 3–28–61, Cl. 166—85.

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Marriage, Ira J. Apparatus for changing the pitch of propeller blades for aircraft. 2,973,924, 3–7–61, Cl. 244—17.23.

Marriett, Frank J., to Thomas Industries Inc. Illuminated valance. 2,986,627, 5–30–61, Cl. 240—2.

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Marrs, Ralph E., to International Business Machines Corp. End-driven resilient recording device. 3,001,850, 9–26–61, Cl. 346—74.

Marryatt, Earl A., 50% to A. C. Kidd. Flexible ladder. 2,985,254, 5–23–61, Cl. 182—198.

Marryatt, Earl A. Emergency escape ladders. 3,012,626, 12–12–61, Cl. 182—70.

Marsal, Paul, to United States of America, Navy. Galvanic battery. 2,990,441, 6–27–61, Cl. 136—90.

Marsal, Paul, to United States of America, Navy. Galvanic battery. 3,003,016, 10–3–61, Cl. 136—90.

Marsal, Paul A., L. F. Urry, and A. Tasch, to Union Carbide Corp. Cathodes. 2,977,401, 3–28–61, Cl. 136—120.

Marschall, Franz, and R. L. Mayhew, to General Aniline & Film Corp. 2-butenediol(1,4) with hexachlorocyclicpenfadiene and subsequent acetal-formation by means of formaldehyde. 2,974,147, 3–7–61, Cl. 260—340.3.

Marscher, William F., R. F. Owens, and R. G. Fraser, to General Electric Co. Helicopter rotor speed control system. 2,991,618, 7–11–61, Cl. 60—39.28.

Marsden, James G., to Union Carbide Corp. Carbonyl-containing organopolysiloxanes. 2,989,559, 6–20–61, Cl. 260—448.2.

Marsden, James G., to Union Carbide Corp. Addition of haloforms to unsaturated siloxanes. 2,989,560, 6–20–61, Cl. 260—448.2.

Marsden, John E., G. Gee, and B. B. Saxton, to James North & Sons Ltd. Form for glove dipping. 3,004,516, 10–17–61, Cl. 118—500.

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Marsee, Frederick J., to Holley Carburetor Co. Accelerating pump. 2,989,292, 6–20–61, Cl. 261—34.

Marsee, Frederick J., to Holley Carburetor Co. Automatic choke. 2,989,293, 6–20–61, Cl. 261—39.

Marsee, Frederick J., to Holley Carburetor Co. Automatic choke. 2,998,233, 8–29–61, Cl. 261—39.

Marsee, Frederick J., and S. H. Benmore, to Holley Carburetor Co. Accelerating pump. 2,998,231, 8–29–61, Cl. 261—34.

Marsel, Charles J.: *See*—
Happel, John, and Marsel. 2,987,557.
Happel, John, Marsel, and Reidlinger. 3,006,948.

Marsh, Clifford J. Device for holding sheep. 2,980,060, 4–18–61, Cl. 119—103.

Marsh, Clifford M. Front wheel drive and steering unit. 2,968,198, 1–17–61, Cl. 74—710.5.

Marsh, Daniel W.: *See*—
Perkins, Bertram W., Jr., and Marsh. 3,008,347.

Marsh, De Loss L.: *See*—
Butler, Stanley, and Marsh. 3,003,281.

Marsh, Donald G., to Kennecott Copper Corp. Impact bracket for belt-troughing idler. 2,974,777, 3–14–61, Cl. 198—192.

Marsh, Gareld E., to Schlumberger Well Surveying Corp. Well tools. 2,971,582, 2–14–61, Cl. 166—241.

Marsh, Glenn A.: *See*—
Schaschl, Edward, and Marsh. 3,004,232.

Marsh, Glenn A., to The Pure Oil Co. Corrosion rate process and apparatus. 2,994,778, 8–1–61, Cl. 250—106.

Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Corrosion-measuring apparatus. 2,976,123, 3–21–61, Cl. 23—253.

Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Corrosion inhibition compositions. 2,983,688, 5–9–61, Cl. 252—389.

Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Impedance test apparatus. 2,987,672, 6–6–61, Cl. 324—71.

Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Corrosion testing probe. 2,991,439, 7–4–61, Cl. 338—13.

Marsh, James A.: *See*—
Ashby, Robert M., and Marsh. 3,014,214.

Marsh, Mendole D.: *See*—
Eldredge, Kenneth R., Merritt, and Marsh. 2,992,408.

Marsh, Mendole D., to General Electric Co. Oscillator circuit. 3,009,758, 11–21–61, Cl. 346—74.

Marsh, Richard A., to United States of America, Army. Antenna release mechanism. 2,972,144, 2–14–61, Cl. 343—709.

Marsh, Roger: *See*—
Henning, Robert W., and Marsh. 2,968,811.

Marsh, Walter H., to Rockwell Mfg. Co. Hydraulic power plant. 2,970,441, 2–7–61, Cl. 60—53.

Marshall, Arthur: *See*—
Thompson, Arthur H., Littlewood, and Marshall. 3,010,177.

Marshall, Bruce G. Apparatus for mechanically compacting paving mixtures and other materials. 2,980,978, 4–25–61, Cl. 25—41.

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Mock, Richard A., Calkins, and Marshall. 2,980,607.

Marshall, Charles B. and Cyril. Automatic controller for belt conveyor sprayer systems. 3,000,391, 9–19–61, Cl. 137—343.

Marshall, Charles W., to G. D. Searle & Co. Optionally 17-alkylated and 7-oxygenated androst(an and 5-en)-3-ol aminoalkyl esters and ethers. 3,013,009, 12–12–61, Cl. 260—239.5.

Marshall, Cyril: *See*—
Marshall, Charles B. and Cyril. 3,000,391.

Marshall, Daniel Q., H. W. Mason, D. R. Davis, M. Bobo, and W. B. Campbell, to General Electric Co. Blade damping means. 2,990,156, 6–27–61, Cl. 253—77.

Marshall, David J., to American Home Products Corp. Process of preparing 17α-bromo-6α-fluoroprogesteron. 3,002,006, 9–26–61, Cl. 260—397.3.

Marshall, Don J., to Triest Mfg. Works, Inc. Tire stand. 2,989,098, 6–20–61, Cl. 144—288.

Marshall, Don J., 50% to M. H. Wentz. Power actuated tire removing device. 3,002,548, 10–3–61, Cl. 157—1.26.

Marshall, Don J., to M. H. Wentz. Power actuated adjustable cam bead wedge tool. 3,006,404, 10–31–61, Cl. 157—1.26.

Marshall, Don J., 50% to M. H. Wentz. Power actuator device. 3,007,315, 11–7–61, Cl. 60—54.5.

Marshall, Edward C., and R. W. Swett, to American Tag Co. Combination booklet tag. 2,987,840, 6–13–61, Cl. 40—2.

Marshall, Francis R., to Westinghouse Electric Corp. Refrigeration apparatus. 3,014,611, 12–26–61, Cl. 220—9.

Marshall, Frank C.: *See*—
Christie, Soren L., Du Puy, and Marshall. 2,971,147.

Marshall, Frank R., to Atlantic Research Corp. Control apparatus. 2,995,904, 8–15–61, Cl. 62—171.

Marshall, Hamilton W., Jr.: *See*—
Siegler, Edouard H., Jr., and Marshall. 2,972,277.

Marshall, Hamilton W., Jr., to The Perkin-Elmer Corp. Optical slit mechanism. 2,987,958, 6–13–61, Cl. 88—61.

Marshall, James A., to FMC Corp. Fluid seal. 3,012,829, 12–12–61, Cl. 308—187.1.

Marshall, James F., to Minneapolis-Honeywell Regulator Co. Switching circuit. 2,979,658, 4–11–61, Cl. 324—115.

Marshall, John G.: *See*—
Holmes, William R., Marshall, and Oates. 3,010,808.

Marshall, John, Jr., to United States of America, Atomic Energy Commission. Density control in a reactor. 3,005,765, 10–24–61, Cl. 204—193.2.

Marshall, John M., and J. P. Douglas, to Inland Steel Co. Solids flow control device and method. 3,010,610, 11–28–61, Cl. 222—1.

Marshall, John R.: *See*—
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Marshall, Melvin R., to International Business Machines Corp. Asynchronous add-subtract system. 2,998,191, 8–29–61, Cl. 235—153.
Marshall, Michael J., Sr. Quick printing camera attachment. 2,966,882, 1–3–61, Cl. 118—236.
Marshall, Raymond W.: *See*—
Steven, Harry M., and Marshall. 2,981,811
Marshall, Samuel P., Jr., to International Minerals & Chemical Corp. Package. 2,997,160, 8–22–61, Cl. 206—.5.
Marshall, Stephen V. T., and A. L. Bird, to The Dow Chemical Co. Shaping thermoplastic resinous sheets. 3,011,212, 12–5–61, Cl. 18—19.
Marshall, Sydney G., R. Milburn, and R. W. A. Hanson, to Bell Punch Co. Ltd. Ticket printing and issuing machines. 2,993,435, 7–25–61, Cl. 101—66.
Marshall, Temple G., Jr., to The National Cash Register Co. Switching device. 2,998,530, 8–29–61, Cl. 250—208.
Marshall, Thomas, & Co. (Loxley) Ltd.: *See*—
Thompson, Arthur H., Littlewood, and Marshall. 3,010,177.
Marshall, Thomas S., to The Garrard Engineering and Mfg. Co. Ltd. Moving coil pick-ups for phonographs and the like. 2,983,796, 5–9–61, Cl. 179—100.41.
Marshall, Walter L., to General Electric Co. Insulated conductor and method of making same. 2,993,820, 7–25–61, Cl. 154—2.27.
Marshall, Walter L., and A. D. Coggeshall, to General Electric Co. Conformable spacer blocks and method of making same. 2,994,735, 8–1–61, Cl. 174—138.
Marshall, Walter L., and J. J. Keane, to General Electric Co. Insulation systems. 3,014,980, 12–26–61, Cl. 174—121.
Marshall, William A., to United States Steel Corp. Shaft seal. 2,989,966, 6–27–61, Cl. 134—122.
Marshall, Willis D.: *See*—
Tretwold, Arthur, and Marshall. 2,988,767.
Marshburn, Charles E., to United States of America, Navy. Navigation system. 2,986,732, 5–30–61, Cl. 343—105.
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Beinfest, Sidney, Adams, and Marshik. 2,996,541.
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Marston, Dixon M. Life preserver. 3,009,175, 11–21–61, Cl. 9—340.
Marston Excelsior Ltd.: *See*—
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Marszewski, Carl A., and J. O. Koontz, to Allied Chemical Corp. Composition comprising an unsaturated polyester, a substance containing at least one $CH_2=C<$ group, a vanadium compound and benzene phosphinic acid, and method of curing same. 3,003,991, 10–10–61, Cl. 260—40.
Marta, Martin S. Welding torch with adjustable tip. 2,986,624, 5–30–61, Cl. 219—75.
Martel, Jacques: *See*—
Muller, Georges, and Martel. 2,984,662.
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Martenet, Maurice, to Georg Fischer Aktiengesellschaft. Wheel rims for pneumatic tire-carrying wheels of heavy vehicles. 2,992,045, 7–11–61, Cl. 301—97.
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Kassel, Martin, Martens, and Hildenbrand. 3,001,137.
Martens, Herbert A.: *See*—
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Martens, Jack E., to The Anderson Co. Motion-transmitting device. 2,969,689, 1–31–61, Cl. 74—424.8.
Martens, Jack E., to The Anderson Co. Motion-transmitting device. 2,974,539, 3–14–61, Cl. 74—424.8.
Martens, Jack E., to The Anderson Co. Emergency release of power-drive drawer. 2,979,966, 4–18–61, Cl. 74—424.8.
Martens, Jack E., to The Anderson Co. Motion-conversion device. 2,981,571, 4–25–61, Cl. 308—6.
Martens, Jack E. Two part ring with lug and recess retaining means. 2,999,412, 9–12–61, Cl. 85—8.8.
Martens, Jack E., to The Anderson Co. Motion-transmitting device. 3,003,362, 10–10–61, Cl. 74—424.8.
Martens, Jack E., to The Anderson Co. Motion-transmitting device. 3,014,380, 12–26–61, Cl. 74—459.
Martens, Jack E., to The Anderson Co. Window regulator. 3,014,715, 12–26–61, Cl. 268—124.
Martensen, Uwe H., to International Harvester Co. Flexible disk tiller. 2,979,138, 4–11–61, Cl. 172—579.
Martensen, Uwe H., to International Harvester Co. Wheel support for implements. 2,998,853, 9–5–61, Cl. 172—383.
Martenson, Karl M., C. P. Löfman, and E. I. Eriksson, to Aktiebolaget, Atomienergi. Method of producing permeable membranes. 2,980,532, 4–18–61, Cl. 75—205.
Marth, Peter T.: *See*—
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Marthinsen, Mads. Ice controller. 2,983,549, 5–9–61, Cl. 301—47.
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Marti, Frederic, and G. Braunschweig. Timepiece mechanism and cabinet. 3,008,288, 11–14–61, Cl. 58—53.
Marti, Fritz, and R. Perren, to Lonza Electric and Chemical Works Ltd. Production of vinyl esters. 3,014,959, 12–26–61, Cl. 260—498.
Marti, Paul O., Jr.: *See*—
Mosher, Robert A., and Marti. 3,012,506.
Stanley, William G., and Marti. 2,988,435.
Marti, Paul O., Jr., to Standard Oil Co. Anticaking ammonium nitrate and method of making. 3,007,773, 11–7–61, Cl. 23—103.
Marti, Paul O., Jr., to Standard Oil Co. Gas generating composition. 3,013,871, 12–19–61, Cl. 149—19.
Martin, Alan. Rivet nut tool. 3,008,598, 11–14–61, Cl. 218—43.
Martin, Albert E., to Parsons, Sir Howard Grubb, & Co. Ltd. Alternating current frequency changing apparatus. 2,979,651, 4–11–61, Cl. 321—70.
Martin, Albert E., to Sir Howard Grubb Parsons & Co. Ltd. Infra-red analysing apparatus. 2,986,633, 5–30–61, Cl. 250—43.5.
Martin, Albert E., to C. A. Parsons & Co. Ltd. Infra-red gas analysers. 3,014,129, 12–19–61, Cl. 250—43.5.
Martin, Albert E., J. Smart, and G. L. Richardson, to C. A. Parsons & Co. Ltd. Infra-red gas analysers. 2,999,929, 9–12–61, Cl. 250—43.5.
Martin, Antoine H. Wall structure for separating two bodies of liquid. 2,994,199, 8–1–61, Cl. 61—4.
Martin, Archer J. P., to Esso Research and Engineering Co. Displacement condensation process for the separation of close boiling materials. 2,989,443, 6–20–61, Cl. 202—69.
Martin Artajo, José I. System for the construction of electrical secondary cells, I.E. storage batteries. 3,003,011, 10–3–61, Cl. 136—6.
Martin, Bernard P., to The McGean Chemical Co. Electrodeposition of nickel. 2,986,501, 5–30–61, Cl. 204—49.
Martin Brothers Electric Co., The: *See*—
Martin, Wendell L. 2,999,196.
Martin, Byron H. Hose nozzle and the like. 2,985,384, 5–23–61, Cl. 239—422.
Martin, Cecil G., and R. J. Denington, to Thompson Ramo Wooldridge Inc. Vapor cycle engine. 3,007,306, 11–7–61, Cl. 60—38.
Martin, Charles H.: *See*—
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Martin, Fred P. 2,982,080.
Martin, Charles W. Collapsible house for motor vehicles. 3,000,664, 9–19–61, Cl. 296—23.
Martin, Charlotte J.: *See*—
Martin, Fred P. 2,982,080.
Martin Co., The: *See*—
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Bartoszak, Anthony W. 2,967,139.
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Decker, James L. 3,002,714.
Fishpaw, Arthur L., and McAvoy. 2,999,355.
Goslee, David E., and Frank. 2,986,504.
Groetzinger, Gerhart K., Schwed, and Witten. 2,980,807.
Hammond, Wardlaw M., Jr. 2,972,732.
Hammond, Wardlaw M., Jr. 2,979,715.
Hart, Robert L., MacKenzie, and Weber. 2,985,412.
Higginbotham, John W. 3,003,697.
Isley, Cary T., Jr. 2,967,020.
Merrill, Howard W., Youngquist, and Barr. 2,968,454.
Moore, Jay W., and Ellis. 3,006,832.
Morse, Jerome G. 2,980,599.
Oberle, George W. 2,987,710.
Precht, Walter, Geckle, and Bedell. 3,004,907.
Solomon, Charles R., Stevens, and Warren. 2,985,466.
Taylor, Walter J., Jr. 2,994,655.
Wheeler, William H., and Olivito. 2,992,930.
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Martin, Daniel K. and D. J. Composite panel with double eyelet connectors and method of making the same. 3,009,597, 11–21–61, Cl. 218—29.
Martin, David. Combined desk pads and telephone indexes. 2,966,753, 1–3–61, Cl. 40—64.
Martin, David O.: *See*—
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Crane, Franklin S. 3,004,558.
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Martin, Donald K., to Midland-Ross Corp. Convection strip heater and control therefor. 2,991,989, 7–11–61, Cl. 263—3.
Martin, Earnest E., and R. W. Walsh; said Martin assor. to said Walsh. Method and apparatus for cutting rotary work metal. 2,998,739, 9–5–61, Cl. 82—28.
Martin, Eddie: *See*—
Moline, Harry A., and Martin. 2,970,325.
Martin, Edward, to Central Farm Equipment Co. Container construction. 2,974,826, 3–14–61, Cl. 220—72.
Martin, Edward, to Central Farm Equipment Co. Method of making a structural member. 3,009,509, 11–21–61, Cl. 153—54.
Martin, Edward G., and W. J. Haas, to Chas. Pfizer & Co., Inc. Oleandomycin resin adsorbate. 2,970,053, 1–31–61, Cl. 99—2.

Martin, Edward J., to General Motors Corp. Tachometer. 3,012,144, 12–5–61, Cl. 250—83.3.

Martin, Edward J., and J. M. Farrell, to General Motors Corp. Switch circuit and actuating mechanism. 2,979,647, 4–11–61, Cl. 318—134.

Martin, Edwin R., to Standard Dayton Corp. Motor control assembly. 2,979,648, 4–11–61, Cl. 318—211.

Martin, Elmer A. Portable suction and blower unit. 3,009,188, 11–21–61, Cl. 15—330.

Martin, Emmett J., and P. E. Landolt, to Basic Atomics Inc. Beneficiation of lithium ores. 2,974,884, 3–14–61, Cl. 241—20.

Martin, Ernest N.: *See*—
Barber, S. Morgan, and Martin. 2,967,644.

Martin, Ernest N., to Barmart. Mixing machine. 3,012,763, 12–12–61, Cl. 259—136.

Martin, Ernest P., to The Gerstenslager Co. Retractable trailer undercarriage. 3,001,796, 9–26–61, Cl. 280—43.18.

Martin, Eugene C.: *See*—
Binning, Robert C., Jennings, and Martin. 2,985,588.

Martin, Eugene C., and J. T. Kelly, to The American Oil Co. Organophosphorous-modified cellulose esters. 2,981,730, 4–25–61, Cl. 260—219.

Martin, Eugene J., and W. H. F. Kaiser, to Perfect Circle Corp. Control means for oil well pumps. 2,968,707, 1–17–61, Cl. 200—83.

Martin, Eugene J., and S. J. Gewirtz. Power switching device. 3,005,114, 10–17–61, Cl. 307—88.5.

Martin, Frank: *See*—
Littleworth, Bertram, and Martin. 3,011,604.

Martin, Fred P., deceased: C. J. Martin, executrix, and The First National Bank of Topeka, executor, ½ to C. H. Martin, ⅛ to C. J. Martin, ⅛ to M. A. McRae, and ⅛ to N. L. Martin Pryor. Multiple unit contour mower. 2,982,080, 5–2–61, Cl. 56—25.4.

Martin, Georges L.: *See*—
Lepoutre, Raymond, and Martin. 2,984,965.

Martin, Gerald D., to United States Rubber Co. Corrugated fabric and method of making same. 3,009,232, 11–21–61, Cl. 28—72.

Martin, Gunther J.: *See*—
Lebel, Jean D., Martin, and Replogle. 2,974,315.

Martin, Gustav J.: *See*—
Beiler, Jay M., and Martin. 3,003,917.

Martin, Gustav J., to Richardson-Merrell Inc. Enteric coated trypsin and chymotrypsin anti-inflammatory compositions. 3,004,893, 10–17–61, Cl. 167—73.

Martin, Harold F., to International Business Machines Corp. Photo-sensing mechanism and circuit for punched data cards. 2,975,967, 3–21–61, Cl. 235—61.11.

Martin, Harold F., and J. J. Lynott, to International Business Machines Corp. Data processing input apparatus. 2,983,444, 5–9–61, Cl. 235—61.11.

Martin, Harry, to Permanent Hair Waving Corp. Process of hair waving and preparation therefor. 2,990,336, 6–27–61, Cl. 167—87.1

Martin, Harry, to The Chase Manhattan Bank and J. M. Friedman, administrators of estate of H. Martin. Drain-pipe cleaning composition. 2,997,444, 8–22–61, Cl. 252—156.

Martin, Helmut K. F. Drawing desk. 2,971,287, 2–14–61, Cl. 45—131.

Martin, Henry F., to Detroit Hoist and Machine Co. Hoist. 2,981,289, 4–25–61, Cl. 137—622.

Martin, Henry, and E. Habicht, to Cilag Chemie Ltd. Alpha aryl 3-methyl-pentanoic acid-N-lower alkyl heterocyclic esters. 2,987,517, 6–6–61, Cl. 260—293.4.

Martin, Howard C. Protective device for safes and the like. 2,973,726, 3–7–61, Cl. 109—34.

Martin, Howard H. Frost preventer. 2,972,208. 2–21–61, Cl. 47—2.

Martin, Howard W., and R. B. Gardner, to Jourdan Concrete Pipe Co. Apparatus for forming a concrete pipe. 2,987,793, 6–13–61, Cl. 25—32.

Martin, James. Firing mechanism suitable for aircraft seat ejection devices. 2,969,209, 1–24–61, Cl. 244—122.

Martin, James. Apparatus for ejecting bodies from a parent aerodyne. 2,969,212, 1–24–61, Cl. 244—147.

Martin, James. Firing mechanism for aircraft seat ejection devices. 2,971,728, 2–14–61, Cl. 244—121.

Martin, James. Seat ejection gun firing pin control device. 2,971,729, 2–14–61, Cl. 244—122.

Martin, James. Aircraft ejection seats. 2,971,730, 2–14–61, Cl. 244—122.

Martin, James. Apparatus servicing stands. 2,976,033. 3–21–61, Cl. 269—185.

Martin, James. Hoods and seat ejecting mechanism on aircraft. 2,982,502, 5–2–61, Cl. 244—122.

Martin James. Parachute apparatus. 2,999,659, 9–12–61, Cl. 244—141.

Martin, James B.: *See*—
Huber, Wilson F., and Martin. 2,997,491.

Martin, James B., to The Procter & Gamble Co. Method for preparing fatty esters of straight chain hexitols. 2,997,492, 8–22–61, Cl. 260—410.6.

Martin, James C.: *See*—
Caldwell, John R., and Martin. 2,976,267.

Martin, James C., and J. P. Hawk, to Eastman Kodak Co. Oxidation of 2-alkoxydihydropyrans. 2,972,629, 2–21–61, Cl. 260—537.

Martin, James C., and K. C. Brannock, to Eastman Kodak Co. Ester of 2,2 dimethyl-hydracrylic acid, 3 hydroxy 2,2 dimethylpropyl ester and resinous materials plasticized therewith. 3,000,747, 9–19–61, Cl. 106—180.

Martin, James E. Missile projector. 2,974,954, 3–14–61, Cl. 272—8.

Martin, James J., and J. M. Dalton, to General Motors Corp. Lens gasket for lamp assembly. 3,004,146, 10–10–61, Cl. 240—41.55.

Martin, James K. Display apparatus. 2,981,582, 4–25–61, Cl. 312—132.

Martin, John C., to Diesel Equipment Ltd. Vehicle unloading or loading devices. 3,006,485, 10–31–61, Cl. 214—78.

Martin, John D.: *See*—
Russler, Leveret C., Wright, Martin, and Frisch. 2,970,665.

Martin, Joseph: *See*—
Apple, Edward M. 3,003,605.
Spound, Albert M., and Martin. 2,975,826.

Martin, Joseph D., to The Procter & Gamble Co. Method of and apparatus for extruding metal collapsible tubes. 2,979,195, 4–11–61, Cl. 207—6.

Martin, Kenneth L.: *See*—
Lawsine, Leo, and Martin. 2,968,827.

Martin, Kenneth P., and W. P. Rowland, to The Colonial Press, Inc. Electronically controlled book case strip feed mechanism. 2,968,430, 1–17–61, Cl. 226—32.

Martin, Kenneth P., and R. J. Nadaskay; said Martin assor. to The Colonial Press, Inc., and said Nadaskay assor. to National Starch Products Inc. Dielectric heat setting of a book binding adhesive. 2,968,336, 1–17–61, Cl. 154—41.

Martin, Leo J.: *See*—
Kappel, Henry C., and Martin. 2,970,715.

Martin, Leonard J., and G. K. Ballantyne, to Brentford Transformers Ltd. Electrical control systems. 3,014,173, 12–19–61, Cl. 323—45.

Martin, Leonard L. Reloading machine. 2,986,965, 6–6–61, Cl. 86—23.

Martin, Le Roy: *See*—
Gillette, Leslie A., and Martin. 2,998,357.

Martin, Lloyd: *See*—
Browne, Paul W. 2,989,334.
Browne, Paul W. 2,991,925.
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Martin, Louis D. Cluster gear. 2,976,741, 3–28–61, Cl. 74—432.

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Schott, Gene D., and Schlechter. 3,014,648.
Storchheim, Samuel. 3,012,951.
Verga, Frank A., and Ruffolo. 3,011,851.

Martin, Paul A., to The Maytag Co. Washer-drier venting system. 2,985,966, 5–30–61, Cl. 34—75.

Martin, Paul A., and C. R. Blyth, to The Maytag Co. Lint flush device for combination washer-drier. 2,990,708, 7–4–61, Cl. 68—20.

Martin, Paul J.: *See*—
Cogelja, Godfrey J., and Martin. 2,977,108.

Martin, Paul S. Cameras. 2,987,976, 6–13–61, Cl. 95—1.1.

Martin, Paul T., to Spencer Chemical Co. Argon purification process. 2,990,690, 7–4–61, Cl. 62—22.

Martin, Paul W.: *See*—
Baker, Robert E., and Martin. 3,013,600.

Martin, Ray C. Electrical contact block. 2,975,393, 3–14–61, Cl. 339—184.

Martin, Raymond S., and J. E. Petley, to General Electric Co. Electrical device and dielectric material therefor. 2,983,856, 5–9–61, Cl. 317—258.

Martin, Richard D.: *See*—
Capps, Everett. 2,987,743.

Martin, Richard H., Jr., to Monsanto Chemical Co. Suspension polymerization process. 2,979,487, 4–11–61, Cl. 260—78.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Binary copolymers of vinyl chloride. 2,996,484, 8–15–61, Cl. 260—79.7.

Martin, Richard H., Jr., to Monsanto Chemical Co. Vinyl chloride copolymers. 2,996,486, 8–15–61, Cl. 260—87.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Polymers of vinyl chloride and allyl carbonates. 3,012,009, 12–5–61, Cl. 260—77.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Polymers of vinyl chloride and allyl ureas. 3,012,010, 12–5–61, Cl. 260—77.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Vinyl chloride polymers. 3,012,011, 12–5–61, Cl. 260—78.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Copolymerization process. 3,012,012, 12–5–61, Cl. 260—78.5.

Martin, Richard H., Jr., to Monsanto Chemical Co. Interpolymers of vinyl chloride. 3,012,019, 12–5–61, Cl. 260—87.5.

Martin, Robert A.: *See*—
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Martin, Robert L., to Weatherproof Products Corp. Sash balance connector. 2,986,771, 6–6–61, Cl. 16—197.

Martin, Robert M.: *See*—
Fraser, Alton W., Looney, and Martin. 3,007,126.
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Martin, Robert W., to Technology Instrument Corp. Hermetically sealed electrical connector. 3,007,130, 10–31–61, Cl. 339—192.

Martin, Robert W., and F. E. Condo, to Shell Oil Co. Bis (mercaptoalkyl) tetraalkyl benzene preparation. 2,986,582, 5–30–61, Cl. 260—609.

Martin, Rolland A. Reflector camp ovens. 2,969,055, 1–24–61, Cl. 126—274.
Martin, Roy A.: *See*—
Rumble, Lester, Jr., and Martin. 3,014,481.
Martin, Samuel W., and W. J. Hanson, to Pitney-Bowes, Inc. Letter feeding device. 2,970,834, 2–7–61, Cl. 271—26.
Martin, Sterling T., to Union Carbide Corp. Signal storage and actuating system. 2,982,292, 5–2–61, Cl. 137—82.
Martin, Sterling T., to Union Carbide Corp. Apparatus for measuring viscosity. 3,008,326, 11–14–61, Cl. 73—60.
Martin, Tellis A.: *See*—
Randall, David I., Taras, and Martin. 2,980,709.
Martin, Wade H., Jr., and W. V. Olds. Bearing inspection tool. 3,005,265, 10–24–61, Cl. 33—174.
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Martin, Walter A., Jr.: *See*—
Ynlo, Carlo, Martin, and Latimer. 2,982,958.
Martin, Wayne. Aluminum base alloys. 2,993,783, 7–25–61, Cl. 75—146.
Martin, Wendell L., to The Martin Brothers Electric Co. Contour following machine. 2,999,196. 9–5–61, Cl. 318—28.
Martin, Wilhelm, and W. Heynen, to Vereinigte Glanzstoff-Fabriken AG. Spinneret with orifice insert. 3,006,026, 10–31–61. Cl. 18—8.
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Carbon, John A., Martin, and Swett. 2,996,536.
Martin, William J.: *See*—
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Martin, William McK. Liquid spray apparatus. 2,992,778, 7–18–61, Cl. 239—223.
Martin, William T.: *See*—
Becker, Robert H., Johnson, and Martin. 2,991,502.
Becker, Robert H., Martin, and Ponson. 3,007,225.
Becker, Robert H., Martin, and Ponson. 3,007,226.
Martin, Yves, to Compagnie de Saint-Gobain. Manufacture of superphosphate. 2,971,831, 2–14–61, Cl. 71—40.
Martinak, Norbert, to Akkumulatorenfabrik Dr. Leopold Jungfer. Apparatus for the continuous manufacture of microporous plastic webs. 3,001,232, 9–26–61, Cl. 18—15.
Martindale, James H., to The Black-Clawson Co. Paper machinery. 3,009,656, 11–21–61, Cl. 241—46.
Martinek, Thomas W., to The Pure Oil Co. Apparatus for preparing colloidal dispersions. 2,976,024, 3–21–61. Cl. 259—4.
Martinek, Thomas W., to The Pure Oil Co. Motor. 2,978,621, 4–4–61, Cl. 318—29.
Martinek, Thomas W., E. T. Fronczak, and N. L. Remes, to The Pure Oil Co. Silica-thickened grease containing acid amide dispersant. 2,980,611, 4–18–61, Cl. 252—28.
Martinek, Thomas W., L. R. E. Hutchings, and N. L. Remes, to The Pure Oil Co. Extraction process. 3,003,005, 10–3–61, Cl. 260—674.
Martinelli, Pierre P., to Commissariat a l'Energie Atomique. Apparatus for measuring the thickness of a deposit. 2,967,934, 1–10–61, Cl. 250—71.5.
Martinez, Antonio, to Marconi's Wireless Telegraph Co. Ltd. Linear sweep circuit arrangements. 3,001,086, 9–19–61, Cl. 307—88.5.
Martinez, Eugene: *See*—
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Martinez, Jesus S., to Phillips Petroleum Co. Apparatus for slurrying solids in liquid. 3,008,809, 11–14–61, Cl. 23—285.
Marting, Richard E. Bowling aid. 2,989,810, 6–27–61, Cl. 35—29.
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Martinmaas, Werner. Beverage container with integral crown cap remover. 2,992,574, 7–18–61, Cl. 81—3.1.
Martino, Salvatore V., to Syncro Machine Co. Wire end eliminator for wire coiling machine. 3,011,730, 12–5–61, Cl. 242—25.
Martois, Arthur E. Power operated, portable pipe wrench. 2,967,446, 1–10–61, Cl. 81—53.
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Marty, Wilbert H. Methods of making power transmitting belts and means for connecting the ends of such belts. 2,995,045, 8–8–61, Cl. 74—258
Marty, Wilbert H., and J. M. Diehl, to Bjorksten Research Laboratories, Inc. Method of making a V-belt. 2,985,222, 5–23–61, Cl. 154—4.
Martyn, Harold L., to Courtaulds Ltd. Apparatus for the production of bulky yarns. 2,997,771, 8–29–61. Cl. 28—1.
Martyny, William C., General Electric Co. Treatment of luminescent materials. 2,987,414, 6–6–61, Cl. 117—33.5.
Martyny, William C., to General Electric Co. Phosphor coating method. 3,006,781, 10–31–61, Cl. 117—33.5.
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Martz, Charles S., to The Tasope Co. Etching machine and paddle element therefor. 2,976,635, 3–28–61. Cl. 41—9.
Martz, Lyle F., and F. L. Bush, to Hagan Chemicals and Controls Inc. Ratio totalizers provided with square root extracting means. 2,992,559, 7–18–61, Cl. 73—205.
Martz, Marion J. Boat trailer. 3,009,589, 11–21–61, Cl. 214—84.
Marullo, Gerlando, G. Perri, G. Tubiello, and D. Cadorin, to Montecatini Societa Generale per l'Induatria Mineraria e Chimica. Process for obtaining Schoenite by direct treatment of Kainite containing sodium chloride as an impurity. 3,004,826, 10–17–61, Cl. 23—117.
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Marvel, Harvey E., to Bowser, Inc. Separator for liquids. 2,984,361, 5–16–61, Cl. 210—484.
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Marvin, John T.: *See*—
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Marwing, Kenneth G., D. Halton, and J. F. Greenaway, to Automatic Telephone & Electric Co. Ltd. Routine testing equipment for use in automatic telephone exchanges. 2,991,335. 7–4–61. Cl. 179—175.23.
Marx, Friedrich, and P. Schneider, to Ciba Ltd. Containers having removable closure caps. 2,989,204, 6–20–61, Cl. 215—40.
Marx, John W., J. C. Trantham, and H. W. Parker, to Phillips Petroleum Co. Initiating in situ combustion in a carbonaceous stratum. 3,004,597, 10–17–61, Cl. 166—11.
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Marx, Michael F., to General Electric Co. Maneuver limiter for aircraft. 2,983,469, 5–9–61, Cl. 244—77.
Marxen, John E., to Armstrong Cork Co. Unscrewing fixture. 2,992,577, 7–18–61, Cl. 81—57.
Marxer, Adrian, to Ciba Pharmaceutical Products Inc. Aromatic carboxylic acid esters of 4-phenyl-N-alkanol-piperidines. 3,004,976. 10–17–61, Cl. 260—294.
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Marzolf, Norbert F. 3,002,620.
Marzolf, Norbert F., to Marzolf Mfg. Co., Inc. Egg grader. 3,002,619, 10–3–61, Cl. 209—121.
Marzolf, Norbert F., to Marzolf Mfg. Co., Inc. Egg grader. 3,002,620, 10–3–61, Cl. 209—121.
Mas, Antonio C. Doffing device for spinning and like textile machines. 3,010,272, 11–28–61, Cl. 57—52.
Mas, Robert J., M. G. Figuet, and A. L. Michaud, to Fabriques de Produits Chimiques de Thann et de Mulhouse. Recovery of titanium tetrachloride from sludges obtained in the purification of impure titanium tetrachloride. 3,009,541, 11–21–61, Cl. 183—120.
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Seegelken, Hermann A. K. 2,982,270.
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Masci, Joseph N., and N. A. Poirier, to Johnson & Johnson. Detergent composition. 2,999,069. 9–5–61, Cl. 252—152.
Mascioli, Rocco L., to Houdry Process Corp. Preparing triethylenediamine. 2,977,364, 3–28–61, Cl. 260—268.

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Bamberger, Julien G. 3,011,257.
Mascuch, Joseph H.: *See*—
Peters, Melville F. 2,992,634.
Masek, Roland C., to United States of America, Navy. Electric micrometer. 2,995,738, 8–8–61, Cl. 343—5.
Masel, Marvin, and H. Moreines, to The Bendix Corp. Autopilot servo limiter. 3,008,078, 11–7–61, Cl. 318—489.
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Mash, Derek H., to Thorn Electrical Industries Ltd. Devices employing electro-luminescence. 3,015,035, 12–26–61, Cl. 250—213.
Masheder, Henry A., to James Gordon & Co. Ltd. Butterfly valves. 2,983,478, 5–9–61, Cl. 251—188.
Masheder, Henry A., to James Gordon & Co. Ltd. Butterfly valves. 2,986,373, 5–30–61, Cl. 251—248.
Mask, Jerome. Measuring and dispensing device. 2,985,343, 5–23–61, Cl. 22—442.
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Carter, Robert E. 2,986,777.
Hoeselbarth, Frank W. E. 2,981,292.
MacCaffray, Rex S., Jr. 2,968,171.
MacCaffray, Rex S., Jr. 2,972,244.
MacCaffray, Rex S., Jr. 2,976,705.
MacCaffray, Rex S., Jr. 2,989,858.
MacCaffray, Rex S., Jr. 2,991,638.
MacCaffray, Rex S., Jr. 2,991,640.
MacCaffray, Rex S., Jr. 3,001,388.
MacCaffray, Rex S., Jr. 3,009,341.
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Masnik, Walter, and R. P. Kirkup, to Specialties Development Corp. Reaction motor power plant with auxiliary power producing means. 2,992,527, 7–18–61, Cl. 60—35.6.
Masolo, Carlo. Automatic nipper temple for weaving looms. 3,012,587, 12–12–61, Cl. 139—293.
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Mason, Charles F., to International Telephone and Telegraph Corp. Pulse width evaluating system. 2,985,828, 5–23–61, Cl. 324—68.
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Mason, Edward A., and J. A. Marinsky, to Ionics, Inc. Method of preventing fouling of anion selective membranes. 3,003,940, 10–10–61, Cl. 204—180.
Mason, Edward M., to ACF Industries, Inc. Vacuum spark advance for ignition systems. 2,991,338, 7–4–61, Cl. 200—31.
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Mason, Emerson B., and A. C. De Napoli, Jr., to Motorola, Inc. Cabinet. 2,969,268, 1–24–61, Cl. 312—7.
Mason, Francis G., to Aladdin Industries, Inc. Changeover switch arrangement for VHF-UHF tuner. 2,972,049, 2–14–61, Cl. 250—40.
Mason, Francis G., to Aladdin Industries, Inc. Radio Frequency tuners. 2,979,616, 4–11–61, Cl. 250—40.
Mason, Francis G., to Aladdin Industries, Inc. Radio-frequency tuner. 2,980,796, 4–18–61, Cl. 250—40.
Mason, Francis G., and H. T. Lyman, to Aladdin Industries, Inc. Radio frequency tuners having variable tracking and coupling means. 2,999,156, 9–5–61, Cl. 250—40.
Mason, Frederick P., to Creed & Co. Ltd. Facsimile phasing, call, and answer back apparatus. 3,006,999, 10–31–61, Cl. 178—69.5.
Mason, Frederick P., and R. G. Stemp, to Creed & Co. Ltd. Facsimile apparatus. 2,977,179, 3–28–61, Cl. 346—138.
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Mason, Harrison G., to Barber-Colman Co. Thread winder. 2,980,354, 4–18–61, Cl. 242—18.
Mason, Harrison G., to Barber-Colman Co. Molded cheese core. 2,985,403, 5–23–61, Cl. 242—118.32.
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Mason, Jack H., to The Multistamp Co. Record sheet and stencil assembly. 2,976,802, 3–28–61, Cl. 101—128.1.
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Mason, James C. High pressure fluid sealing means. 2,996,320, 8–15–61, Cl. 286—26.
Mason, John L., to The Garrett Corp. Humidity control system. 2,979,916, 4–18–61, Cl. 62—172.
Mason, Joseph C., Jr., to Sun Oil Co. Non-flaking wax composition containing liquid polypropylene. 3,013,709, 12–19–61, Cl. 229—3.1.
Mason, Julien J., to Westinghouse Electric Corp. Electric discharge apparatus. 3,005,930, 10–24–61, Cl. 315—85.
Mason, Lawrence J.: *See*—
Abma, John S., Mason, and Rice. 3,007,259.
Mason, Lester P. Spring-lifter tool for facilitating electrical brush maintenance. 2,988,808, 6–20–61, Cl. 29—205.
Mason, Oscar. Improvements in electrical connectors for ceiling and wall fittings. 2,968,784, 1–17–61, Cl. 339—197.
Mason, Ralph B.: *See*—
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Mason, Ralph B., and E. W. S. Nicholson, to Esso Research and Engineering Co. Aldehyde hydrogenation catalyst preparation. 2,976,254, 3–21–61, Cl. 252—439.
Mason, Robert D. Rocket to the moon game. 2,976,045, 3–21–61, Cl. 273—135
Mason, Roger H., and E. J. Raits, to Collins Radio Co. Fault location system. 2,980,898, 4–18–61, Cl. 340—253.
Mason, Russell I. Navigable surface craft. 2,998,790, 9–5–61, Cl. 114—61.
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Mason, Stuart A., to The Bryant Electric Co. Quick wiring device. 2,997,686, 8–22–61, Cl. 339—149.
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Mason, Walter E., to James Lees and Sons Co. Pin roll stripper. 3,008,621, 11–14–61, Cl. 226—53.
Mason, Walter R., Jr., to Hoge Warren Zimmermann Co. Continuous mixing, metering and delivering apparatus. 3,006,615, 10–31–61, Cl. 259—154.
Mason, Warren P.: *See*—
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Mason, Warren P., to Bell Telephone Laboratories, Inc. Electromechanical wave filter. 2,981,905, 4–25–61, Cl. 333—71.
Mason, Warren P., to Bell Telephone Laboratories, Inc. Stabilization of quartz crystal frequency controlling elements. 2,989,799, 6–27–61, Cl. 29—25.35.
Mason, Warren P., to Bell Telephone Laboratories, Inc. High precision frequency standard comprising silicon or germanium crystal element. 2,998,575, 8–29–61, Cl. 331—70.
Mason, Warren P., to Bell Telephone Laboratories, Inc. Pulse operated reed switch and storage device. 3,008,020, 11–7–61, Cl. 200—93.
Mason, Warren P., to Bell Telephone Laboratories, Inc. Microwave ultrasonic delay line. 3,012,211, 12–5–61, Cl. 333—30.
Mason, Warren P., and R. N. Thurston, to Bell Telephone Laboratories, Inc. Electromechanical transducers. 3,004,176, 10–10–61, Cl. 310—9.1.
Mason, Wylie A., Jr., to International Harvester Co. Stalk walker attachment for cotton strippers. 3,014,331, 12–26–61, Cl. 56—33.
Masonite Corp.: *See*—
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Masonson, Martin, to International Telephone and Telegraph Corp. Signal receiving system. 2,999,155, 9–5–61, Cl. 250—20.
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Massa, Frank. Electroacoustic transducer. 2,967,957, 1–10–61, Cl. 310—9.4.
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Massengale, John T., and T. H. Fairbanks, to American Viscose Corp. 4,4'-bis-(chloromethyl)-biphenyl. 3,007,975, 11–7–61, Cl. 260—649.
Massengill, Robert T., to Wilson & Co., Inc. Fat back skinning and trimming machine. 2,988,124, 6–13–61, Cl. 146—130.
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Bunting, Ernest V. 2,971,397.
Bunting, Ernest V. 2,996,124.
Bunting, Ernest V. 2,996,125.
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Elfes, Lee E. 2,973,043.
Elfes, Lee E. 2,998,735.
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Horne, Donald S., Ashton, and Kepkay. 2,999,347.
Horne, Donald S., Ashton, and Kepkay. 2,999,556.
Klemm, Herman G. 2,988,166.
Lapins, Alvin W., and Elliott. 2,986,828.
Lapins, Alvin W., and Tweedale. 3,008,724.
Lorenz, Leo J. 3,003,573.
Senkowski, Alexander, and Lynes. 2,971,406.
Thompson, Howard G. 2,982,362.
Todd, Everett W. 2,970,654.
Wathen, William A., and Peterson. 2,984,960.
Wells, Bernard L., and Michaels. 2,978,116.

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Debailleux, Louis P. 2,996,307.
Massey, J. L., to Rockwell Mfg. Co. Lubricated plug valve assembly having dual fluid passageways. 2,997,056, 8–22–61, Cl. 137—246.15.
Massey, Lester G., to Universal Oil Products Co. Hydrogen sulfide conversion. 2,984,548, 5–16–61, Cl. 23—212.
Massey, Milton K., to Radio Corp. of America. Electrical heater unit. 3,002,076, 9–26–61, Cl. 219—19.
Massey, Norman L., to Badger Mfg. Co. Integrated operating air supply and air signal transmission service center. 2,994,339, 8–1–61, Cl. 137—343.
Massey, William. Invisible means for attaching panels to walls and the like. 2,966,705, 1–3–61, Cl. 20—4.
Massillon Container Co.: *See*—
Seger, Gaylord E., Jr. 2,967,655.
Vail, Robert F. 2,983,423.
Massillon Rubber Co., The: *See*—
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Masson, Frederick Y., to Daystrom, Inc. Telemetering system. 2,997,698, 8–22–61, Cl. 340—187.
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Mast, Aquila D., to Daffin Mfg. Co. Dispensing apparatus with hopper. 2,999,617, 9–12–61, Cl. 222—504.
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Mast, Gifford M., Gannett, and Taylor. 2,998,188.
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Mast, Gifford M., W. K. Gannett, and W. A. Taylor, to Mast Development Co. Universal counter. 2,998,188, 8–29–61, Cl. 235—92.
Mast, John B., Jr. Temporary covering and support structure therefor. 3,007,541, 11–7–61, Cl. 182—112.
Mastabar Mining Equipment Co. Ltd.: *See*—
Tebb, Bernard, and Perry. 2,983,974.
Tebb, Bernard, and Perry. 2,985,418.
Tebb, Bernard, and Perry. 2,987,075.
Masten, Milton E. Golf stick carrying case. 2,970,629, 2–7–61, Cl. 150—1.5.
Master-Kicker Corp.: *See*—
Slater, Arthur W. 2,989,031.
Master Pneumatic, Inc.: *See*—
Gleason, Quin R., Meyer, and Wiley. 2,998,825.
Master Power Corp.: *See*—
Conover, Ernest R., Jr. 2,980,078.
Sindelar, William F. 3,001,428.
Sindelar, William F. 3,001,429.
Sturrock, James. 2,973,068.
Sturrock, James. 2,973,071.
Sturrock, James. 3,000,244.
Young, Charles H. 2,980,218.
Master Vibrator Co.: *See*—
Spitler, Clem H., and Gayer. 2,979,996.
Masterman, John M.: *See*—
Chilman, John A., Mapp, Masterman, and Cripps. 2,972,087.
Masters, A. M., & Son: *See*—
Masters, Albert M. 3,008,249.
Masters, Albert M., to A. M. Masters & Son. Mounting means for a board. 3,008,249, 11–14–61, Cl. 35—63.
Masters, Edward J., H. J. Spoor, and J. Wetterhahn, to Helena Rubinstein, Inc. Cosmetic preparation. 2,988,486, 6–13–61, Cl. 167—91.
Masters, John E., and H. G. Cooke, Jr., to Devoe & Raynolds Co., Inc. Epoxide resins. 2,971,942, 2–14–61, Cl. 260—47.
Masters, Robert W., and D. R. McCoy, to United States of America, Air Force. Tunable cavity antenna. 3,009,153, 11–14–61, Cl. 343—746.
Masterson, Earl E.: *See*—
Eckert, John P., Jr., and Masterson. 2,978,977.
Mastin, Thomas W., to The Lubrizol Corp. Oil soluble metal containing compositions and process for making same. 2,971,014, 2–7–61, Cl. 260—398.
Mastin, Thomas W., to The Lubrizol Corp. Lubricants containing basic metal additives. 2,989,463, 6–20–61, Cl. 252—25.
Mastin, Thomas W., to The Lubrizol Corp. Gear lubricant improving agents. 3,013,969, 12–19–61, Cl. 252—32.7.
Mastin, Thomas W., to The Lubrizol Corp. Gear lubricant improving agents. 3,013,970, 12–19–61, Cl. 252—32.7.
Mastin, Thomas W., to The Lubrizol Corp. Gear lubricant improving agents. 3,013,971, 12–19–61, Cl. 252—32.7.
Mastis, Victor: *See*—
Dobrikin, Harold L., and Mastis. 2,970,572.
Mastroianni, Emilio G.: *See*—
Goodman, Robert C., and Mastroianni. 3,012,492.
Mastrud, Conrad D., Jr.: *See*—
Reibold, Elmer L., and Mastrud. 2,988,230.
Masuda, Akira: *See*—
Sakano, Takeshi, Masuda, Toda, and Atobe. 2,982,705.
Masuda, Toru, Y. Yamamoto, and J. Kaneko, to Takeda Pharmaceutical Industries, Ltd. Process for preparing flavinadenine dinucleotide and reduced-form thereof. 2,973,305, 2–28–61, Cl. 195—77.
Masure, Jean L.: *See*—
Adelaar, Hans H., and Masure. 2,997,626.
Masure, Joel. Snap-on aprons. 3,004,315, 10–17–61, Cl. 24—3.
Matarazzo, Dominick A. Automobile pet holding device. 3,003,466, 10–10–61, Cl. 119—96.
Mataré, Herbert F., B. Reed, and O. Weinreich, to Sylvania Electric Products Inc. Temperature independent transistor with grain boundary. 2,970,229, 1–31–61, Cl. 307—88.5.
Matarese, John, to Sylvania Electric Products Inc. Electroluminescent device. 3,013,183, 12–12–61, Cl. 315—169.
Matava, Stephen J.: *See*—
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Matecki, Edward A., to Union Carbide Corp. Apparatus for shirring sausage casings. 2,983,949, 5–16–61, Cl. 17—42.
Matecki, Edward A., to Union Carbide Corp. Shirred cellulosic sausage casing and method of manufacture. 2,984,574, 5–16–61, Cl. 99—176.
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Matejek, John M., to American Can Co. Liquid filling machine. 3,010,618, 11–28–61, Cl. 222—450.
Matelich, Andrew G. Underwater grading means. 3,010,231, 11–28–61, Cl. 37—54.
Mateny, Henry. Vehicle divider. 2,998,279, 8–29–61, Cl. 296—24.
Mater, Milton H. Sawmill carriage preset system. 2,970,617, 2–7–61, Cl. 143—120.
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Allemann, Paul. 2,972,964.
Allemann, Paul. 2,986,124.
Allemann, Paul. 3,012,516.
Matheis, Aloys J. Bucket mounted frost breaker. 2,969,966, 1–31–61, Cl. 262—14.
Matheney, Richard. Water supply means for motor cars. 2,975,797, 3–21–61, Cl. 137—334.
Matheny, Francis M., to American Pipe and Construction Co. Apparatus for lining pipelines. 2,996,085, 8–15–61, Cl. 140—2.
Mather, Donald W.: *See*—
Babel, Frederick J., and Mather. 2,971,847.
Mather, Harold C., to Midwest Mfg. Corp. Trim strip. 3,001,246, 9–26–61, Cl. 20—35.
Mather, Richard J., to United States of America, Interior. Bundle conductor spacer. 2,974,184, 3–7–61, Cl. 174—40.
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Mathers, Edward S., to Highway Supply Corp. Paving joint constructions. 3,011,413, 12–5–61, Cl. 94—8.
Mathers, Marc G., to Federal Pacific Electric Co. Method of impregnating wound condenser bushings with a dielectric liquid. 2,967,788, 1–10–61, Cl. 117—94.
Mathers, Robert V.: *See*—
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Mathes, Paul G., to Trio Mfg. Co. Combination footgear brush and scraper. 3,002,211, 10–3–61, Cl. 15—112.
Mathes, Wilhelm, and W. Sauermilch, to Dr. F. Raschig Chemische Fabrik G.m.b.H. Process for the production of pyridyl-glycols. 2,971,000, 2–7–61, Cl. 260—288.
Mathes, Wilhelm, and W. Sauermilch, to Dr. F. Raschig, G.m.b.H. Chemische Fabrik. Production of pyridine aldehydes. 3,008,963, 11–14–61, Cl. 260—297.
Matheson, Charles F. Flight progress computer. 2,987,248, 6–6–61, Cl. 235—61.
Matheson Co., Inc., The: *See*—
Mossman, Allen L. 2,996,359.
Matheson, James C. Mold form clamp. 3,011,242, 12–5–61, Cl. 25—131.
Matheson, James N., to The Electric Storage Battery Co. Respirator. 2,999,498, 9–12–61, Cl. 128—146.
Matheson, James N., to Welsh Mfg. Co. Respirator. 3,014,479, 12–26–61, Cl. 128—146.
Matheson, Lester: *See*—
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Matheson, Thomas F., to George W. Dahl Co., Inc. Differential pressure selector. 3,008,481, 11–14–61, Cl. 137—112.
Mathew, H. & L., Ltd.: *See*—
Mathew, Leonard S., and Chapman. 3,007,590.
Mathew, Leonard S., and G. W. A. Chapman, to H. & L. Mathew, Ltd. Shovel loaders. 3,007,590, 11–7–61, Cl. 214—140.
Mathews, Bernard C. Variable discharge crop reaper and chopper. 2,999,346, 9–12–61, Cl. 56—1.
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Keegan, Thomas F. 2,991,872.
Sekulski, Lee E. 3,002,792.
Mathews, James A. Latching means for positively restraining parked trucks and other vehicles against movement. 2,984,318, 5–16–61, Cl. 188—31.
Mathewson, Arthur A., Jr., J. P. Selberg, and R. W. Leonard, to A. G. Bodine, d.b.a. Bodine Soundrive Co. Isolator for sonic earth boring drill. 2,989,130, 6–20–61, Cl. 175—56.
Mathewson, Wilfred. Machine for treating paper pulp stock to vary the consistency thereof. 3,002,622, 10–3–61, Cl. 209—250.
Mathewson, Wilfred F. Pulp screen. 3,002,621, 10–3–61, Cl. 209—250.
Mathewson, Wilfred F., Jr.: *See*—
Sugalski, Alfred A., Williams, and Mathewson. 2,979,207.
Sugalski, Alfred A., Williams, and Mathewson. 3,004,671.

Mathias, John M.: *See*—
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Mathias, Russell L.: *See*—
Cocoros, Anthony E., and Mathias. 2,970,432.

Mathias, Russell L., Sr., to Kimble Glass Co. Apparatus for forming perforated glass bodies. 2,992,515, 7-18-61, Cl. 49—72.

Mathiesen, Nicolaus P. Card file structure with magnetic card spreading. 2,984,243, 5-16-61, Cl. 129—16.

Mathieson, Peter W., and H. G. Van Laar, to Shell Oil Co. Oil flow control. 3,005,492, 10-24-61, Cl. 166—20.

Mathis, Clyde H., to Phillips Petroleum Co. Catalyst regeneration and apparatus. 2,982,797, 5-2-61, Cl. 260—683.3.

Mathis, Irving, to Emerson Radio & Phonograph Corp. Mail handling apparatus. 2,984,349, 5-16-61, Cl. 209—74.

Mathis, John B.: *See*—
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Mathues, Thomas O., to General Motors Corp. Sealing strip and method of manufacturing such strip. 2,972,789, 2-28-61, Cl. 20—69.

Mathys, William H.: *See*—
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Matisheck, Peter H.: *See*—
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Matisz, Zoltan. Cubes aligning device. 2,985,453, 5-23-61, Cl. 273—145.

Matkovich, George, to A. O. Smith Corp. Method of making a reinforced plastic vessel with an integral head. 2,991,210, 7-4-61, Cl. 154—83.

Matlack, Albert S., to Hercules Powder Co. Process for polymerization of 1-olefins. 3,004,962, 10-17-61, Cl. 260—93.7.

Matless, Leonard I.: *See*—
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Matlow, Sheldon L., and E. L. Ralph, to Hoffman Electronics Corp. Ruggedized solar cell and process for making the same or the like. 2,984,775, 5-16-61, Cl. 317—240.

Matovich, Mitchel J., Jr. Coil winder. 3,000,580, 9-19-61, Cl. 242—4.

Matrai, Miklos. Swimming pool. 3,005,207, 10-24-61, Cl. 4—172.

Matrick, John J., incompetent (M. G. Tyler, guardian). Grout applicator. 3,013,291, 12-19-61, Cl. 15—245.

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Matsch, Ladislas C., to Union Carbide Corp. Thermal insulation. 3,007,596, 11-7-61, Cl. 220—9.

Matsch, Ladislas C., to Union Carbide Corp. Thermal insulation. 3,009,600, 11-21-61, Cl. 220—9.

Matsch, Ladislas C., to Union Carbide Corp. Thermal insulation. 3,009,601, 11-21-61, Cl. 220—9.

Matsch, Ladislas C., and A. W. Francis, to Union Carbide Corp. Thermal insulation. 2,967,152, 1-3-61, Cl. 252—62.

Matsch, Ladislas C., E. F. Yendall, W. H. Lauer, and H. Koehn, to Union Carbide Corp. Process and apparatus for purifying and separating compressed gas mixtures. 2,984,079, 5-16-61, Cl. 62—14.

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Matson, George L. Polish rod lubricator. 3,002,587, 10-3-61, Cl. 184—25.

Matson, Howard J., to Sinclair Refining Co. Lubricating oil compositions having extreme pressure characteristics. 2,987,478, 6-6-61, Cl. 252—46.4.

Matson, Leslie E., Jr., W. W. Weinstock, and J. R. Ford, to Radio Corp. of America. Moving target indication. 2,998,599, 8-29-61, Cl. 343—7.7.

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Matson, Raphael F., to Freeport Sulphur Co. Recovery of nickel and cobalt from mixtures of the same with iron sulfide, as impurity. 2,971,835, 2-14-61, Cl. 75—115.

Matson, Raphael F., to Freeport Sulphur Co. Separation of iron impurity from cobalt-bearing solutions. 3,000,727, 9-19-61, Cl. 75—108.

Matson, William N. Dispensing apparatus. 2,987,228, 6-6-61, Cl. 222—513.

Matson, William N. High speed constant flow rotary worm gear pump. 2,994,276, 8-1-61, Cl. 103—125.

Matsubara, Toru, to Tokyo Juki Kogyo Kabushiki Kaisha. Lubricating system for sewing machines. 3,013,632, 12-19-61, Cl. 184—6.

Matsubayashi, Kanji, K. Ueno, and K. Tanabe, ¾ to Kurashiki Rayon Co., Ltd., and Air Reduction Co. Inc. Polyvinyl alcohol fiber production. 3,007,228, 11-7-61, Cl. 28—82.

Matsuda, Kamematsu, to Yawata Iron and Steel Co., Ltd. Method of vacuum degasifying molten steel by circulation. 2,994,602, 8-1-61, Cl. 75—49.

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Morin, Lucille T., and Matsuda. 3,004,060.
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Matsumoto, Masakazu, and M. Shiraishi, to Kurashiki Rayon Co., Ltd. Polyvinyl alcohol product and process. 2,983,759, 5-9-61, Cl. 260—594.

Matsumura, Teruo, K. Iwasaki, and S. Okumura, to Raion Hamigaki Kabushiki Kaisha (Lion Dentrifice Co., Ltd.). Transparent jelly-type tooth-paste. 2,975,102, 3-14-61, Cl. 167—93.

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Mattano, Leonard A., and M. J. Hatch, to The Dow Chemical Co. Odor improvement of resin beads made through the sulfonium salt process. 2,977,328, 3-28-61, Cl. 260—2.1.

Mattano, Leonard A., and F. D. Schwalm, to The Dow Chemical Co. Selective elution of copper, nickel, and cobalt from aminocarboxylic acid chelate exchange resins. 3,003,866, 10-10-61, Cl. 75—108.

Mattei, Georges: *See*—
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Matteo, Ralph. Guitar tailpiece. 2,969,703, 1-31-61, Cl. 84—299.

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Matter, Erich, O. Albrecht, and A. Hiestand, to Ciba Ltd. Process for dyeing polyacrylonitrile material. 2,984,539, 5-16-61, Cl. 8—55.

Matter, Erich, O. Albrecht, and A. Hiestand, to Ciba Ltd. Textile softening agents and method of applying them. 2,984,587, 5-16-61, Cl. 117—139.5.

Matter, George H.: *See*—
Deterding, Leo G., and Matter. 3,003,490.

Matter, Gustave O. Dispensing valve. 2,989,977, 6-27-61, Cl. 137—204.

Matter, Max, and H. Gerber, to Haco A.G. Substituted 3,5-dioxo-isoxazolidines and a process for the manufacture thereof. 3,007,936, 11-7-61, Cl. 260—307.

Matter, Robert C., and I. T. Landon, to General Motors Corp. Method of soldering and flux therefor. 2,980,562, 4-18-61, Cl. 148—23.

Matter, Robert C., and J. R. Sims, to General Motors Corp. Electrical apparatus and method of making same. 2,997,776, 8-29-61, Cl. 29—155.57.

Matter, Theodore S.: *See*—
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Mattera, John A., to The Welsbach Corp. Hydraulically actuated tool. 3,008,234, 11-14-61, Cl. 30—228.

Mattera, Mario. Lifting and transporting apparatus and the like. 2,987,340, 6-6-61, Cl. 294—67.

Mattern, John, to United States of America, Navy. Light equalizing device. 2,981,826, 4-25-61, Cl. 240—1.

Matteson, Arthur W. to Wakefield Corp. Closure baffle for junction boxes. 3,007,041, 10-31-61, Cl. 240—78.

Matteson, Benjamin H., Jr.: *See*—
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Matteson, Russell E., to Diamond National Corp. Vertical chute dispenser. 2,974,828, 3-14-61, Cl. 221—221.

Matteson, Russell E., to Diamond National Corp. Carton dispenser. 2,987,219, 6-6-61, Cl. 221—75.

Matteson, Russell E., to Diamond National Corp. Tiered chute dispenser. 2,997,204, 8-22-61, Cl. 221—297.

Mattheessen, William L., and B. H. Workman, to Caterpillar Tractor Co. Hydraulic decelerator for a spring balanced engine governor. 2,977,805, 4-4-61, Cl. 73—523.

Matthews, Birchard L., to Aurora Corp. of Illinois. Gas range pilot light system. 2,998,058, 8-29-61, Cl. 158—115.

Matthews, Charles W., to Deere & Co. Moldboard plow attachment. 2,971,593, 2-14-61, Cl. 172—765.

Matthews, Clem, Jr. Cotton picker with automatic positioning means. 2,972,847, 2-28-61, Cl. 56—11.

Matthews, Clifford N., to Diamond Alkali Co. Chromium tanning liquors. 3,005,678, 10-24-61, Cl. 8—94.27.

Matthews, Cyril H. Driers for powdered or granular material. 2,968,103, 1-17-61, Cl. 34—164.

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Matthews, George A., to I-T-E Circuit Breaker Co. Automatic recloser. 2,977,439, 3-28-61, Cl. 200—89.

Matthews, Hugh B., to General Motors Corp. Actuator and control system therefor. 2,977,764, 4-4-61, Cl. 60—51.

Matthews, Hugh B., to General Motors Corp. Vehicle seat adjuster. 3,008,681, 11-14-61, Cl. 248—395.

Matthews, John K., to A. Norris. Machine for dusting and handling baker's peels. 3,004,513, 10-17-61, Cl. 118—2.

Matthews, John T. Swivel bearing with movement limiting means. 3,008,778, 11-14-61, Cl. 308—227.

Matthews, Lyle E., and E. M. Good. Self-sustaining momentum motor. 3,014,341, 12-26-61, Cl. 60—1.

Matthews, Max A. Blending hopper. 2,994,460, 8-1-61, Cl. 222—145.

Matthews, Noel H., Jr., to Eastman Kodak Co. Rewinding machine having improved cleaning-splicing mechanism. 2,972,372, 2-21-61, Cl. 154—42.1.

Matthews, Otmer C., and H. U. G. Hein, to Libbey-Owens-Ford Glass Co. Adjustable pallet. 2,972,463, 2–21–61, Cl. 248—120.
Matthews, Richard A.: *See*—
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Melton, Thomas M., Matthews, and O'Connor. 2,990,421.
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Matthews, Robert B., to Dowty Fuel Systems Ltd. Gas turbine control apparatus. 2,987,117, 6–6–61, Cl. 158—364.
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Wood, David A., Jr., Pease, Matthews, and Smith. 2,994,214.
Matthews, Robert M., and R. E. Clark, to Chadbourn Gotham, Inc. Method for forming a non-bulky seam in ladies' full-fashioned hosiery. 3,005,430, 10–24–61, Cl. 112—262.
Matthews, Robert P. Toroidal coil winding machine. 2,986,351, 5–30–61, Cl. 242—4.
Matthews, Russell B., to Baso Inc. Temperature responsive control apparatus. 2,969,224, 1–24–61, Cl. 257—286.
Matthews, Russell B., to Baso Inc. Fluid pressure operated control devices. 2,977,966, 4–4–61, Cl. 137—66.
Matthews, Russell B., to Minnesota Mining and Mfg. Co. Temperature control apparatus. 2,981,774, 4–25–61, Cl. 136—4.
Matthews, Russell R., to The Firth Carpet Co., Inc. Knitted pile fabric with improved longitudinal stability. 2,968,085, 1–17–61, Cl. 28—80.
Matthews, Thelma L. Collapsible bathtub seat. 3,005,208, 10–24–61, Cl. 4—185.
Matthews, Thomas P., to United States Rubber Co. Apparatus for handling warp beams. 2,994,939, 8–8–61, Cl. 28—42.
Matthews, Virgil E., and F. W. Stone, to Union Carbide Corp. α-amino-β-hydroxycarboxylic acid derivatives. 2,996,521, 8–15–61, Cl. 260—349.
Matthews, William F.: *See*—
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Matthewson, Edwin H., to Universal Metal Products Co. Spraying apparatus. 2,989,244, 6–20–61, Cl. 239—146.
Matthewson, Edwin H., to Universal Metal Products Co. Mobile sprayer. 2,989,245, 6–20–61, Cl. 239—175.
Matthewson, Edwin H., to Universal Metal Products Co. Wheel type sprayer. 3,002,695, 10–3–61, Cl. 239—146.
Matthewson, Walter J. Body fatigue-relieving support. 2,973,030, 2–28–61, Cl. 155—175.
Matthey, Roger, to Parechoc S.A. Bearing for a movable element of a small mechanism, a process for its production and an installation for carrying out this process. 3,012,828, 12–12–61, Cl. 308—159.
Matthias, Bernd T., to Bell Telephone Laboratories, Inc. Magnetic material. 2,970,961, 2–7–61, Cl. 252—62.5.
Matthias, Bernd T., to Bell Telephone Laboratories, Inc. Monoclinic glycine sulfate and isomorphs. 2,986,681, 5–30–61, Cl. 317—262.
Matthias, Bernd T., to Bell Telephone Laboratories, Inc. Ferromagnetic material. 2,989,480, 6–20–61, Cl. 252—62.5.
Matthies, Hans J., to Gebrüder Welger, Maschinenfabrik. Pick-up baler with cross conveyer. 2,975,581, 3–21–61, Cl. 56—341.
Matthies, Leo A. Multiple pivoted jaw pipe wrench. 2,976,750, 3–28–61, Cl. 81—53.
Matthiessen, Roy A. Automobile trunk lid holder. 3,011,818, 12–5–61, Cl. 292—288.
Matthysse, Irving F., to Burndy Corp. Separable clasp connector. 2,977,567, 3–28–61, Cl. 339—253.
Matthysse, Irving F., to Burndy Corp. Tool and method for making a splice. 2,994,238, 8–1–61, Cl. 81—15.
Matti, Leo F., to Bartelt Engineering Co. Differential gear drive for check weigher. 2,985,301, 5–23–61, Cl. 209—121.
Mattiat, Oskar E., to United States of America, Army. Impedance transformer. 2,976,501, 3–21–61, Cl. 333—32.
Mattila, Alvin J., and J. E. Shapansky. Combination saw holder and guide. 2,974,694, 3–14–61, Cl. 143—68.
Mattimoe, Paul T.: *See*—
Conner, Harry E., and Mattimoe. 3,009,017.
Ryan, Joseph D., and Mattimoe. Re. 24,933.
Mattin, Harry E., and L. M. Greenstein, to The Mearl Corp. Depilatory composition. 2,988,485, 6–13–61, Cl. 167—89.
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Mattingly, John W. Fishing tackle. 3,010,244, 11–28–61, Cl. 43—43.1.
Mattingly, Ralph J.: *See*—
Mattingly, John J. and R. J. 2,989,167.
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Foreman, Ernest E., and Mattinson. 2,991,777.
Mattison, Arthur M., to Mattison Machine Works. Grinding machine. 2,998,679, 9–5–61, Cl. 51—109.
Mattison Machine Works: *See*—
Mattison, Arthur M. 2,998,679.
Mattke, Charles F.: *See*—
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Mattke, Charles F., to Bell Telephone Laboratories, Inc. Tilting dial circuit selector. 3,005,055, 10–17–61, Cl. 179—90.
Mattmueller, Arthur H. Muntin painter. 2,987,035, 6–6–61, Cl. 118—208.
Mattos, Frank G.: *See*—
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Mattox, William J.: *See*—
Kimberlin, Charles N., Jr., and Mattox. 2,971,993.
Kimberlin, Charles N., Jr., and Mattox. 2,972,643.
Kimberlin, Charles N., Jr., and Mattox. 2,976,331.
Kimberlin, Charles N., Jr., and Mattox. 3,007,545.
Kimberlin, Charles N., Jr., and Mattox. 3,013,962.
Mattox, William J., to Esso Research and Engineering Co. Conversion of organic oxygen compounds to aromatics. 2,991,319, 7–4–61, Cl. 260—668.
Mattson, Guy C., to The Dow Chemical Co. Bromination of salicylanilide. 2,997,502, 8–22–61, Cl. 260—559.
Mattson, Leslie N. Boat bailer. 2,979,011, 4–11–61, Cl. 114—183.
Mattson, Raymond W., to Union Oil Co. of California. Fuel system for internal combustion engines. 2,986,133, 5–30–61, Cl. 123—136.
Mattson, Roger P. Material mixing bags. 3,003,682, 10–10–61, Cl. 229—62.5.
Mattson, Roy H., to Iowa State College Research Foundation, Inc. Switching system. 2,981,832, 4–25–61, Cl. 250—13.
Mattsson, Sven A., and A. V. Karlsson, to Skanalinaviska Granit Aktiebolaget. Saw blades for stone sawing machines provided with hard metal cutters. 2,981,248, 4–25–61, Cl. 125—18.
Matsuda, Ken: *See*—
Wozniak, Edmund P., and Matsuda. 2,979,547.
Matsui, Sakae. High speed vehicle wheel and mounting therefor. 2,991,729, 7–11–61, Cl. 105—224.1.
Matusche, Heinz, to Sud-Atlas-Werke Gesellschaft mit beschrankter Haftung. Driving devices for moving the sound head of dictating machines. 3,007,705, 11–7–61, Cl. 274—21.
Matusevich, Joseph H.: *See*—
Rochrbein, Philip A., and Matusevich. 3,010,562.
Matuszak, Alfred H.: *See*—
Morway, Arnold J., and Matuszak. 2,976,241.
Matuszak, Charles A.: *See*—
Shannon, Richard F., Matuszak, Adams, and Gillaum. 2,979,469.
Matuszewski, Elizabeth: *See*—
Matuszewski, Sylvester and E. 2,976,614.
Matuszewski, Sylvester and E. Measuring tape reel holder. 2,976,614, 3–28–61, Cl. 33—27.
Matuzas, Anthony J., to The Singer Mfg. Co. Sewing machine hinges with releasable latches. 2,974,354, 3–14–61, Cl. 16—175.
Matuzas, Anthony J., to The Singer Mfg. Co. Attachment box holders for sewing machine carrying cases. 2,991,582, 7–11–61, Cl. 45—68.1.
Matz, Alexander. Fuel economy apparatus for internal combustion engines. 2,986,132, 5–30–61, Cl. 123—119.
Matz, Kenneth O. Weight for vehicle wheel. 2,988,401, 6–13–61, Cl. 301—41.
Matz, Norman, to Thompson Ramo Wooldridge Inc. Nutating disc gas compressor or motor. 2,980,318, 4–18–61, Cl. 230—148.
Matz, Samuel A., J. A. Miller, and C. S. McWilliams, to United States of America, Army. Yeast-free prepared flour mix. 2,969,289, 1–24–61, Cl. 99—90.
Matzger-Fries, Dorla: *See*—
Mueller, Eugen, Metzger, and Metzger-Fries. 3,009,965.
Matzinger, Charles P., to The Mountain Copper Co., Ltd. Process for the manufacture of cuprous oxide. 2,977,195, 3–28–61. Cl. 23—147.
Matzuk, Alexander R.: *See*—
Brown, Horace D., Matzuk, and Sarett. 2,989,530.
Mauborgne, Paul. Reel for fishing rods. 3,004,731, 10–17–61, Cl. 242—84.2.
Mauch, Hans A. Air source apparatus. 3,014,348, 12–26–61, Cl. 62—3.
Mauch, Paul A., to Ampex Corp. NRZ recording circuitry. 2,996,349, 8–15–61, Cl. 346—74.
Mauck, Victor, E. T. Duke, and A. B. Belfi. Helical air cell pipe covering. 2,978,373, 4–4–61, Cl. 154—45.
Maude, Aylmer H., M. R. Bhagwat, C. E. Lisman, and D. S. Rosenberg, to Hooker Chemical Corp. Process for the photochemical chlorination of benzene. 3,006,833, 10–31–61, Cl. 204—163.
Maude, Michael F. Expansion joint device. 2,967,467, 1–10–61, Cl. 94—18.
Maudlin, Wendell E., and J. S. McKinzie, to Stewart-Warner Corp. Heating control system. 2,993,106, 7–18–61, Cl. 219—20.
Mauer, Erwin R., and G. Micklus, to International Business Machines Corp. Scanner drum. 2,978,173, 4–4–61, Cl. 235—61.11.
Maul, John A., to Addressograph-Multigraph Corp. Printing apparatus. 2,982,205, 5–2–61, Cl. 101—269.
Maul, Michael. Record tape controlled punched card machines. 2,974,859, 3–14–61, Cl. 234—34.
Maulaz, Georges, to Satrametal S.A. Unit comprising a metallic container with a circular lid. 3,005,570, 10–24–61, Cl. 220—54.
Mauldin, John H., and J. P. Medlock; said Medlock assor. to said Mauldin. Asphalt mixer and drier. 2,967,696, 1–10–61, Cl. 259—158.
Mauldin, Lloyd F., and R. C. Nelson, to The Garrett Corp. Pressure regulating mechanism. 2,986,989, 6–6–61, Cl. 98—1.5.

Maunula, Otto A. Loading guide for boat trailers. 2,977,012, 3–28–61. Cl. 214—505.
Maupin, Harvey N.: *See*—
Haun, Carl B., and Maupin. 2,995,274.
Maurer, Charles A., to Phillips Petroleum Co. Process and apparatus for removing moisture from gases. 2,995,203, 8–8–61, Cl. 183—4.1.
Maurer, Eugen. Spindle bearing arrangement. 2,981,051, 4–25–61, Cl. 57—134.
Maurer, Howard F., Sr. Uncoupling device for toy and model railroad cars. 2,998,145, 8–29–61, Cl. 213—212.
Maurer, James I.: *See*—
Cavanagh, Walter R., and Maurer. 3,007,817.
Maurer, John A.: *See*—
Helm, Mark W., Maurer, and Luzio. 3,009,249.
Maurer, John A., to The Kalart Co. Inc. Sound reproducer for reproducing sound from a sound track area on film. 3,001,030, 9–19–61, Cl. 179—100.3.
Maurer, John A., V. R. Ferguson, and C. G. Taylor, to The Weber Dental Mfg. Co. Arm rest construction. 2,985,226, 5–23–61, Cl. 155—25.
Maurer, John A., and C. G. Taylor, to The Weber Dental Mfg. Co. Roller guide construction for chair jacks and the like. 3,004,802, 10–17–61, Cl. 308—6.
Maurer, John A., Jr. Image motion compensation mechanisms in aerial cameras. 2,972,928, 2–28–61, Cl. 88—18.3.
Maurer, Leslie R., to Kenmar Mfg. Co. Seat construction for upholstered furniture. 3,000,019, 9–19–61, Cl. 5—345.
Maurer, Norman A. Method and means for producing animated cartoons. 2,998,313, 8–29–61, Cl. 96—44.
Maurer, Richard E., to Eastman Kodak Co. Method of prescreening of film. 2,987,397, 6–6–61, Cl. 96—45.
Maurer, Robert, and R. Sittner, to Telefunken G.m.b.H. Electric filter. 3,008,103, 11–7–61, Cl. 333—73.
Maurice Franklin Mfg. Co., Inc.: *See*—
Prager, Maurice, and Rice. 3,004,483.
Maurice, Jean, and M. Rist, to Societe Anonyme Francaise du Ferodo. Control circuit for electromagnetic clutches and like devices. 2,981,846, 4–25–61, Cl. 290—50.
Maurice, Jean, and M. Rist, to Societe Anonyme Francaise du Ferodo. Centrifugal clutches. 2,987,155, 6–6–61, Cl. 192—48.
Maurice, Jean, and M. Rist, to Societe Anonyme Francaise du Ferodo. Electric control circuit for electromagnet clutches. 2,999,573, 9–12–61, Cl. 192—3.5.
Maurice, Jean, and M. Rist, to Societe Anonyme Francaise Du Ferodo. Control circuit for the starter motor of an automobile vehicle. 3,002,103, 9–26–61, Cl. 290—36.
Mauro, Edward and W. Fuel conserver. 2,985,149, 5–23–61, Cl. 122—20.
Mauro, Edward and W. Motorized bug catching device. 3,001,321, 9–26–61, Cl. 43—139.
Mauro, William: *See*—
Mauro, Edward and W. 2,985,149.
Mauro, Edward and W. 3,001,321.
Maurushat, Joseph, Jr., to Bell Telephone Laboratories, Inc. Alarm and test equipment for carrier systems. 2,986,610, 5–30–61, Cl. 179—175.3.
Maus, Fritz, to Agfa Aktiengesellschaft. Color radiography. 2,994,610, 8–1–61, Cl. 96—100.
Mauser, Alfons, to Mauser Kommandit-Gesellschaft. Chair frame structure. 2,975,827, 3–21–61, Cl. 155—194.
Mauser, Alfons, to Mauser Kommandit-Gesellschaft. Chair structures with shell-shaped seats. 3,014,762, 12–26–61, Cl. 297—445.
Mauser, Egon, to Mauser Kommandit-Gesellschaft. Container. 2,983,403, 5–9–61, Cl. 220—63.
Mauser Kommandit-Gesellschaft: *See*—
Hauptmann, Vinzenz. 2,982,460.
Mauser, Alfons. 2,975,827.
Mauser, Alfons. 3,014,762.
Mauser, Egon. 2,983,403.
Mühlhoff, Friedrich. 2,971,686.
Mauthe, Gustav: *See*—
Komarek, Ernst, and Mauthe. 2,997,364.
Komarek, Ernst, and Mauthe. 3,010,779.
Luck, Wolfhard, Zorn, and Mauthe. 3,013,908.
Mauthner, Erich G. H., deceased (S. A. Mauthner, executrix), L. L. Baumann, and P. J. Clark, to Cigarette Components Ltd. Process for producing an article of curly interlocking cellulosic fibres and fibrils. 2,992,154, 7–11–61, Cl. 162—9.
Mauthner, Stella A.: *See*—
Mauthner, Erich G. H., Baumann, and Clark. 2,992,154.
Mautner, Henry R., to General Aniline & Film Corp. Continuous dyeing process. 2,989,360, 6–20–61, Cl. 8—55.
Mautner, Henry R., and D. I. Randall, to General Aniline & Film Corp. Dyeing synthetics with soluble leuco ester salts. 2,992,062, 7–11–61, Cl. 8—35.
Mautner, Mihajlo: *See*—
Bierke, Svante, and Mautner. 2,989,425.
Mautner, Mihajlo, M. Flego, and Z. Geric, to Aktiebolaget Separator. Heat exchange for continuous throughflow of two media. 3,010,702, 11–28–61, Cl. 257—241.
Mavity, Warren H., to Goodman Mfg. Co. Tensioning means for trimmer chain of boring type miner. 2,984,469, 5–16–61, Cl. 262—7.
Mavity, William H., to AMP Inc. Plug contactor. 3,008,118, 11–7–61, Cl. 339—217.
Mavri, Joseph F.: *See*—
Yearling, Frank J., and Mavri. 3,005,243.
Mawbey, Lawrence, to United Shoe Machinery Corp. Heel seat fitting machines. 2,968,823, 1–24–61, Cl. 12—31.5.
Mawbey, Lawrence, to United Shoe Machinery Corp. Heel attaching machines. 2,987,726, 6–13–61, Cl. 1—95.
Mawby, David H.: *See*—
Allen, Gordon S. J., and Mawby. 2,987,571.
Allen, Gordon S. J., and Mawby. 2,993,953.
Allen, Gordon S. J., and Mawby. 2,993,954.
Mawby, David H., to J. F. Crosfield Ltd. Colour reproduction systems for correcting colour separation printer images. 2,985,712, 5–23–61, Cl. 178—5.2.
Max-A-Loc Inc.: *See*—
Davidson, Raymond W. 2,984,717.
Maxant Button & Supply Co.: *See*—
Decker, William H. 2,993,250.
Decker, William H., Rieck, and Bennett. 2,993,392.
Morton, Lawrence L., Decker, and Bennett. 2,999,285.
Maxant, William T. Sewing machines. 2,986,105, 5–30–61, Cl. 112—76.
Maxey, Alexander R., to Ampex Corp. Recording and reproducing high frequencies transversely on a magnetic tape. 2,998,495, 8–29–61, Cl. 179—100.2.
Maxey, Alexander R., to Ampex Corp. Speed control arrangement. 3,006,218, 10–31–61, Cl. 74—722.
Maxey, Edwin M.: *See*—
Gmitter, George T., and Maxey. 2,993,869.
Maxey, Edwin M., to The B. F. Goodrich Co. Rubber articles resistant to oil. 2,992,057, 7–18–61, Cl. 154—116.
Maximilian, Octavian, to United Engineering and Foundry Co. Open frame belt wrapper. 2,981,493, 4–25–61, Cl. 242—78.5.
Maximoff, Paul A.: *See*—
Just, Alex, Maximoff, and Kalmar. 2,995,617.
Maximoff, Paul A., and S. J. Krol, to Malco Mfg. Co. Dispensing and transfer mechanism for electrical circuit boards. 3,002,654, 10–3–61, Cl. 221—225.
Maxitrol Co.: *See*—
Kern, Frank, Jr., and Stang. 2,979,067.
Maxon, Ira: *See*—
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Lucia, Carroll J., Ray, and Maxon. 2,974,470.
Max-Planck-Gesellschaft zur Forderung der Wissenschaften e. V.: *See*—
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Max-Planck-Institut fur Eisenforschung: *See*—
Wever, Franz, and Koch. 2,991,684.
Maxson, W. L., Corp., The: *See*—
Weaver, Preston R. 2,979,582.
Maxum, Bernard J.: *See*—
Shanks, Howard E., and Maxum. 3,004,259.
Maxwell, Charles F., to Howard Foundry Co. Aluminum alloy for high temperature service. 2,976,142, 3–21–61, Cl. 75—142.
Maxwell, Charles S., to American Cyanamid Co. Melamine resin colloid and manufacture of wet-strength paper therewith. 2,986,489, 5–30–61, Cl. 162—166.
Maxwell, Charles T., to Ware Knitters, Inc. Construction for a sleeved garment. 3,013,276, 12–19–61, Cl. 2—115.
Maxwell, George E. Shell holders. 3,001,678, 9–26–61, Cl. 224—15.
Maxwell, James D.: *See*—
Warner, Paul F., and Maxwell. 2,974,176.
Maxwell, Keaton B. Coffee brewer. 2,993,430, 7–25–61, Cl. 99—289.
Maxwell, Owen F., to Brammer Mfg. Co. Adjustable guide means for drawers and the like. 2,992,057, 7–11–61, Cl. 312—332.
Maxwell, Richard C.: *See*—
Fancher, Llewellyn W., Stoffey, Maxwell, and Menn. 2,998,347.
Maxwell, Robert C.: *See*—
Woolslayer, Homer J., Jenkins, Maxwell, and Born. 3,009,547.
Maxwell, Robert C. Portable and collapsable auto dressing screen. 3,002,518, 10–3–61, Cl. 135—8.
May, Arthur E., Jr. Adjustable foldable fence. 3,014,700, 12–26–61, Cl. 256—33.
May & Baker Ltd.: *See*—
Wright, Derek E. 2,979,512.
Wright, Derek E. 3,014,916.
May, Charles W.: *See*—
Arndt, Donald N., Dahl, La Masters, and May. 2,984,232.
May, Charles W., to Borg-Warner Corp. Fuel injection pressure compensating mechanism. 2,982,278, 5–2–61, Cl. 123—140.
May, Claude H., and K. H. Rhodes, to Walker Mfg. Co. Automotive device. 2,982,277, 5–2–61, Cl. 123—139.
May, Ellwood H., to Mayline Co., Inc. Adjustable support for drafting table. 2,982,050, 5–2–61, Cl. 45—131.
May, Frank H., to American Potash & Chemical Corp. Purification of titanium diboride. 3,013,862, 12–19–61, Cl. 23—204.
May, Frank H., and J. L. Bradford, to American Potash & Chemical Corp. Production of boron tribromide. 2,989,375, 6–20–61, Cl. 23—205.
May, Frank H., and V. V. Levasheff, to American Potash & Chemical Corp. Process for treating ammonium borates. 3,011,871, 12–5–61, Cl. 23—149.
May, Frank H., and H. N. Hammer, to American Potash & Chemical Corp. Method for the preparation of diborane. 3,013,863, 12–19–61, Cl. 23—204.
May, Gordon H., to International Business Machines Corp. Hydraulic drive mechanism for moving an article to predetermined points. 3,000,359, 9–19–61, Cl. 121—40.

May, Harold V., and H. Kalker, to Sprague Electric Co. Capacitor terminal and mounting arrangement. 3,014,195, 12–19–61, Cl. 339—131.

May, Harry C., to Westinghouse Air Brake Co. Fluid pressure brake apparatus with automatic control application feature. 2,982,583, 5–2–61, Cl. 303—13.

May, James L.: *See*—
Harvell, Robert, and May. 2,994,942.

May, James R.: *See*—
Bunker, Ward, Denman, and May. 2,972,390.

May, John E., Jr., to Bell Telephone Laboratories, Inc. Delay line. 2,982,926, 5–2–61, Cl. 333—30.

May, John H., and H. L. Mann, Jr., to National Lead Co. Gas detection in well logging. 2,983,587, 5–9–61, Cl. 23—232.

May, John W. Pipe systems. 2,997,071, 8–22–61, Cl. 138—105.

May, Joseph F. Car wheel lubricant composition in solid stick form. 2,970,109, 1–31–61, Cl. 252—30.

May, Luke S. Graphometers. 2,992,484, 7–18–61, Cl. 33—1.

May, Martha T. Head support for a telephone handset. 2,998,497, 8–29–61, Cl. 179—156.

May, Marvin M., to Tubular Structures Corp. of America. Brace bar securing means for prefabricated tubular structures. 2,971,786, 2–14–61, Cl. 287—53.5.

May, Maurice, to American Art Metals Co. Snap-in glass setting construction. 2,971,229, 2–14–61, Cl. 20—56.4.

May, Merrill R., to Hess, Goldsmith & Co. Desizing glass fabrics and desized product. 2,970,934, 2–7–61, Cl. 134—2.

May, Paul D., to Standard Oil Co. Preparation of organic sulfur compounds. 3,014,923, 12–26–61, Cl. 260—329.

May, Richard D., to Electric Regulator Corp. Switch assembly. 2,974,206, 3–7–61, Cl. 200—81.9.

May, Richard D., to Electric Regulator Corp. Damping dashpot. 3,005,523, 10–24–61, Cl. 188—95.

May, Robert L., and L. V. Brown, to Sinclair Refining Co. Manufacture of mixed nickel and zinc dithiophosphate. 3,008,900, 11–14–61, Cl. 252—32.7.

May, Russell D., to H_2 Oil Engineering Corp. Knockout for separation of water from emulsified oil and gas. 2,996,188, 8–15–61, Cl. 210—114.

May, Vivian G., to Checker Motors Corp. Tail gate mounting for automotive vehicles. 2,990,215, 6–27–61, Cl. 296—57.

May, Vivian G., to Checker Motors Corp. Automotive folding seat. 2,997,335, 8–22–61, Cl. 296—66.

May, Vivian G., and C. E. Hale, to General Motors Corp. Folding backrest for station wagons. 3,011,822, 12–5–61, Cl. 296—66.

May, William C., to Dow Corning Corp. Organosiloxane esters as emulsifying agents. 2,990,377, 6–27–61, Cl. 252—312.

May, William E.: *See*—
Erwin, Frederick J., Jr., and May. 2,997,717.

Mayall, William. Dashpot. 3,006,440, 10–31–61, Cl. 188—96.

Mayall, William. Escapement mechanism. 3,012,834, 12–12–61, Cl. 312—39.

Maybach-Motorenbau G.m.b.H.: *See*—
Barth, Walter, and Jahn. 3,005,350.

Mayberry, Mark E.: *See*—
Raffelson, Harold, Mayberry, and Hochwalt. 3,010,988.

Mayberry, Ted R., to Ryan Aeronautical Co. Circuit for sounding an alarm when the incoming signal exceeds a given amplitude. 2,995,687, 8–8–61, Cl. 317—148.5.

Mayblom, Carl: *See*—
Draghi, Robert A., and Mayblom. 2,980,003.

Maye, Edward. Fluid drive mechanism. 2,979,306, 4–11–61, Cl. 253—105.

Mayer, Alfred, to Quebec Metallurgical Industries Ltd. Method for preparing oxides of niobium and tantalum. 2,976,115, 3–21–61, Cl. 23—22.

Mayer, Ben. Container with mixing attachment. 2,972,406, 2–21–61, Cl. 206—47.

Mayer, Carl H., Jr., to Rust-Oleum Corp. Valving arrangement for filling paint cans and the like. 3,012,700, 12–12–61, Cl. 222—448.

Mayer, Cornelius G., and J. B. Killow, to Radio Corp. of America. Mechanism for feeding strip material. 2,999,624, 9–12–61, Cl. 226—50.

Mayer, Edward F.: *See*—
Fotland, Richard A., and Mayer. 2,975,052.

Mayer, Edward F., to Horizons Inc. Method of shaping SiC by vaporization and condensation. 2,996,783, 8–22–61, Cl. 25—156.

Mayer, Edward F., to Horizons Inc. Structural material composite producing apparatus. 3,006,044, 10–31–61, Cl. 22—122

Mayer, Ehrhard, to Goetzewerke Friedrich Goetre Aktiengesellschaft. Slide ring seal. 3,009,718, 11–21–61, Cl. 286—11.15.

Mayer, Ehrhard, to Garlock Inc. Slide ring packing. 3,014,742, 12–26–61, Cl. 286—11.15.

Mayer, Ernst. Rotatable and tiltable casement window. 2,969,566, 1–31–61, Cl. 20—53.

Mayer, Ernst, to Hunt Foods, Inc. Process for making vinegar. 2,997,424, 8–22–61, Cl. 195—49.

Mayer, Friedrich, to Messen-Jaschin, G.A. Apparatus for measuring radioactivity. 3,003,063, 10–3–61, Cl. 250—83.

Mayer, George A., to Miami Stone, Inc. Pressure equalizing assembly for stone breaking presses. 2,974,661, 3–14–61, Cl. 125—23.

Mayer, George A., to Miami Stone, Inc. Sectional mold for use in producing blocks of cementitious material. 2,983,983, 5–16–61, Cl. 25—121.

Mayer, Harland A., to Mar-May Development Corp. Article carrier for an automobile trunk compartment. 3,004,790, 10–17–61, Cl. 296—26.

Mayer, John O.: *See*—
Hollis, William S., and Mayer. 2,972,181.
Hollis, William S., and Mayer. 3,002,284.

Mayer, Joseph H.: *See*—
Levy, Joseph, and Mayer. 2,986,581.

Mayer, Karl, Erste Hessische Wirkmaschinenfabrik G.m.b.H.: *See*—
Kohl, Karl. 3,008,314.

Mayer, Louis, to Owens-Illinois Glass Co. Shipping and display carton. 2,970,685, 2–7–61, Cl. 206—44.

Mayer, Louis, to Owens-Illinois Glass Co. Combined shipping container and dispensing receptacle. 2,974,850, 3–14–61, Cl. 229—37.

Mayer, Nathan. Knockdown furniture assembly. 3,013,670, 12–19–61, Cl. 211—148.

Mayer, Nathan, to Prestige, Inc. Stocking and method of manufacturing the same. 2,996,726, 8–22–61, Cl. 2—240.

Mayer, Oscar, & Co., Inc.: *See*—
Eberman, Augustus H. 2,974,701.
Seiferth, Oscar E., and Austin. 3,009,302.

Mayer, Rollin P.: *See*—
Sarahan, Bernard L., Jeffrey, Jacobs, Mayer, and Thompson. 2,994,478.

Mayer, William H.: *See*—
Jaeschke, Ralph L., and Mayer. 3,010,039.

Mayerchak, Pete. Mist and paint saver. 2,978,186, 4–4–61, Cl. 239—103.

Mayes, Fred M.: *See*—
Johnson, Ford L., Mayes, Jones, and Murphey. 2,997,689.

Mayes, Fred M., to Sun Oil Co. Tank gauge. 2,971,378, 2–14–61, Cl. 73—313.

Mayes, Fred M., to Sun Oil Co. Tank gauge. 3,004,432, 10–17–61, Cl. 73—313.

Mayes, Fred M. Underwater transmitter. 3,005,183, 10–17–61, Cl. 340—6.

Mayes, William B.: *See*—
Wayland, Hubert E., and Mayes. 2,994,314.

Mayfield, Alfred B. Transporting unit for house trailers. 3,000,455, 9–19–61, Cl. 180—12.

Mayfield, George C., to McQuay-Norris Mfg. Co. Piston ring assemblies. 3,004,811, 10–17–61, Cl. 309—44.

Mayfield, Raymond J., Jr.: *See*—
Malmquist, Alfred B., and Mayfield. 2,989,423.

Mayhall, John A.: *See*—
Bean, Billy J., and Mayhall. 2,997,275.

Mayhew, Herman W., Jr., to Gardner-Denver Co. Drilling device. 3,005,504, 10–24–61, Cl. 175—200.

Mayhew, John T., to National Steel Corp. Coating apparatus and method. 2,967,114, 1–3–61, Cl. 117—46.

Mayhew, Ray W.: *See*—
Coleman, James C., and Mayhew. 3,005,122.
Copes, Joseph P., and Mayhew. 3,000,746.
Copes, Joseph P., Mayhew, and Williams. 3,012,966.

Mayhew, Raymond L.: *See*—
Hosmer, William A., Mayhew, and Oelberg. 2,997,421.
Marschall, Franz, and Mayhew. 2,974,147.

Mayhew, Raymond L., and E. P. Williams, to General Aniline & Film Corp. 1-(-alkyl or -hydroxyalkyl)-1-(2-propynyl)-2-alkylimidazolinium halides. 2,971,006, 2–7–61, Cl. 260—309.6.

Mayhew, Raymond L., and E. P. Williams, to General Aniline & Film Corp. α-halogenated-γ-butyrolactones as nematocides. 2,974,084, 3–7–61, Cl. 167—33.

Mayhew, Raymond L., and N. F. Ottley, to General Aniline & Film Corp. Defoamer composition and methods for using same. 3,000,835, 9–19–61, Cl. 252—321.

Mayle, George W., to The Magnavox Co. Data processing system. 2,988,217, 6–13–61, Cl. 209—72.

Mayline Co., Inc.: *See*—
May, Ellwood H. 2,982,050.

Maylott, Asa O., and E. A. Elkins, Jr., to The Dow Chemical Co. Preparation of alkali metal halides. 2,989,450, 6–20–61, Cl. 204—94.

Maylott, Asa O., and R. H. Meyer, to The Dow Chemical Co. Method of preparing salts of 2,2-dichloropropionic acid. 3,007,964, 11–7–61, Cl. 260—539.

Maynard, Charles A., to Indiana General Corp. Grate separator. 2,992,734, 7–18–61, Cl. 209—223.

Maynard, Charles A., to Indiana General Corp. Permanent magnet separator. 2,992,738, 7–18–61, Cl. 209—223.

Maynard, Richard H., and W. Bell, to Star Precision Devices, Inc. Combination hand tool. 2,973,527, 3–7–61, Cl. 7—15.

Maynard, Robert N., to Lobee Pump & Machinery Co. Pump for corrosive fluids. 2,966,860, 1–3–61, Cl. 103—126.

Maynard, Wallace J. Valve structure. 2,977,987, 4–4–61, Cl. 137—625.17.

Maynard, Wallace J. Valve structure. 3,000,393, 9–19–61, Cl. 137—454.2.

Maynard, Wheeler D., to General Railway Signal Co. Switch machine for railroads. 2,986,630, 5–30–61, Cl. 246—240.

Mayne, Charles H., to Hawley Products Co. Manufacture of articles from fibrous material. 3,007,842, 11–7–61, Cl. 162—229.

Mayne, John E. O., H. Warson, and B. J. Parsons, to Vinyl Products Ltd. Manufacture of vinyl esters. 2,989,554, 6–20–61, Cl. 260—410.9.

Mayne, Robert A., deceased; R. D. Mayne, executrix, to herself. Blower wheel and method of making same. 2,982,468, 5–2–61, Cl. 230—134.

Mayne, Robert A., deceased: R. D. Mayne, executrix. Hub. 3,012,799, 12–12–61, Cl. 287—52.

Mayne, Ruth D.: *See*—
Mayne, Robert A. 2,982,468.
Mayne, Robert A. 3,012,799.

Mayner, Thomas S., to Midland-Ross Corp. Bulked continuous multi-filament yarn. 3,001,358, 9–26–61, Cl. 57—140.

Maynor, Harry W. Basement pipe tables and shelves. 3,000,512, 9–19–61, Cl. 211—108.

Mayo, Alfred M., and H. F. Garrard. Warning device. 2,989,-050, 6–20–61, Cl. 128—2.

Mayo, Cecil J.: *See*—
Shaw, John B., Mayo, and Ford. 2,991,336.

Mayo, Howard A., Jr., to Allis-Chalmers Mfg. Co. Thrust reducing means for turbines, pumps and pump-turbines. 2,972,469, 2–21–61, Cl. 253—31.

Mayo, John S., to Bell Telephone Laboratories, Inc. Transistor timing circuit. 2,977,576, 3–28–61, Cl. 340—174.

Mayo, Reuben E. Stack type tobacco curers. 3,007,466, 11–7–61, Cl. 126—93.

Mayo, Reubin E. Apparatus for curing tobacco in barns. 3,007,689, 11–7–61, Cl. 263—19.

Mayon, Leon: *See*—
Platt, Haviland H., and Mayon. 2,972,934.

Mayon, Leon, to W & M Corp. Lamp shade. 2,975,270, 3–14–61, Cl. 240—108.

Mayr, Hans, to Fabbrica Italiana Magneti Marelli S.p.A. Electro-acoustical device for reproducing low pitch notes. 3,009,528, 11–21–61, Cl. 181—31.

Mays, Howard D., K. M. Claus, and W. A. Ser Vaas, to The Mosaic Tile Co. Machine for detecting cracked ceramic tiles. 2,990,953, 7–4–61, Cl. 209—79.

Mays, John C. Fuel supply means for internal combustion engine. 2,991,057, 7–4–61, Cl. 261—76.

Mays, Samuel R., and M. W. Worth, to James Lees and Sons Co. Modified Axminster loom and method. 2,973,784, 3–7–61, Cl. 139—39.

Maytag Co., The: *See*—
Goodlaxson, John D. 3,013,645.
Martin, Paul A., and Blyth. 2,990,708.
Mellinger, John C. 3,011,079.
Smith, Thomas R. 2,976,711.
Smith, Thomas R. 2,976,712.
Smith, Thomas R. 2,976,998.
Smith, Thomas R. 2,986,917.
Smith, Thomas R. 2,992,843.
Smith, Thomas R. 3,008,351.
Smith, Thomas R., and Burkland. 2,974,515.
Smith, Thomas R., and Faust. 2,993,357.

Mazar Barnett, José, to Filtox S.A. Filter cigarette. 2,968,-305, 1–17–61, Cl. 131—10.

Mazar Barnett, José, to Filtox S.A. Cigarette or cigar holder. 2,968,307, 1–17–61, Cl. 131—225.

Mazelsky, Bernard, to Lockheed Aircraft Corp. Combination gust alleviator and high-lift device for aircraft. 2,990,-140, 6–27–61, Cl. 244—42.

Maziarka, Joseph A. Detachable handle. 2,974,353, 3–14–61, Cl. 16—114.

Mazond, Marceline, and G. Youssov, to Compagnie Generale de Telegraphie Sans Fil. Surface treatment of lead alloyed semi-conductor elements. 2,980,597, 4–18–61, Cl. 204—141.

Mazur, John: *See*—
Wint, Cecil T., and Mazur. 2,999,199.

Mazur, Paul M. Self-feeding storage structures. 2,988,046, 6–13–61, Cl. 119—52.

Mazur, Sylvester S.: *See*—
Herbenar, Edward J., and Mazur. 2,972,496.

Mazur, Victor N., to Westinghouse Electric Corp. Adjustable speed alternating current motor drive. 2,970,249, 1–31–61, Cl. 318—46.

Mazurek, Robert C., to International Minerals & Chemical Corp. Clarification of acidic phosphatic solutions. 2,988,-504, 6–13–61, Cl. 210—53.

Mazza, Angelo. Devices for the rolling and binding of meat in general. 2,987,990, 6–13–61, Cl. 100—219.

Mazza, Carlo: *See*—
Emanueli, Luigi, Lugli, and Mazza. 2,982,328.
Vanzo, Marcello, Lugli, and Mazza. 2,982,327.

Mazza, Harold, R. L. Craig, and H. R. Foster, Jr., to American Potash & Chemical Corp. Manufacture of lithium carbonate. 3,007,771, 11–7–61, Cl. 23—63.

Mazzacane, Robert W., to General Electric Co. Resilient fan guard support. 2,987,242, 6–6–61, Cl. 230—259.

Mazzagatti, Roy P., to Texaco Inc. Radiation detector. 2,976,445, 3–21–61, Cl. 313—93.

Mazzanti, Giorgio: *See*—
Natta, Giulio, Pino, and Mazzanti. 3,014,016.
Natta, Giulio, Pino, and Mazzanti. 3,014,018.
Pino, Piero, and Mazzanti. 3,000,870.

Mazzarins, Janis, to General Motors Corp. Master link. 2,988,926, 6–20–61, Cl. 74—250.

Mazzarins, Janis, to General Motors Corp. Master pin. 3,013,844, 12–19–61, Cl. 305—58.

Mazzeo, Charles F.: *See*—
Hildenbrandt, August J., Jr., and Mazzeo. 2,994,755.

Mazziotti, Philip J., to Dana Corp. Double universal joints. 2,988,904, 6–20–61, Cl. 64—21.

Mazziotti, Philip J., to Dana Corp. Universal joint. 3,008,311, 11–14–61, Cl. 64—8.

Mazziotti, Philip J., and J. A. Kayser, to Dana Corp. Needle bearing spline. 2,995,908, 8–15–61, Cl. 64—23.

Mazzochi, Joseph J.: *See*—
Bailey, William F., Farber, and Mazzochi. 2,980,795.

Mazzoni, Charles A., Jr.: *See*—
Vierk, Ernest R., and Mazzoni. 2,977,237.

Mazzoni, Giuseppe. Machines for the continuous cutting of a bar of plastic material. 2,986,796, 6–6–61, Cl. 25—106.

Mazzoni, Renato J., to Pittsburgh Plate Glass Co. Method of sealing glass to other elements. 2,977,722, 4–4–61, Cl. 49—82.

Mazzucchelli, Arthur P., and T. E. Bugel, to Union Carbide Corp. Composite plastic-fibrous metal mat tool. 2,967,-756, 1–10–61, Cl. 18—47.

McAda, Ingle L. Mechanized waterfowl decoy. 3,000,128, 9–19–61, Cl. 43—3.

McAdam, John C., to International Electronic Research Corp. Heat transfer liner and tube shield. 2,973,400, 2–28–61, Cl. 174—35.

McAdam, Raymond L.: *See*—
Shaler, Richard G., McAdam, and Shaler. 3,013,882.

McAdams, Hiramie T.: *See*—
Woodring, William B., and McAdams. 2,970,900.

McAdams, Joan A. Grater. 3,008,504, 11–14–61, Cl. 146—180.

McAdams, William Douglas, Inc.: *See*—
Barlow, Lou. 2,971,272.
Goldenthal, Allan B. 2,971,271.

McAfee, Daniel W., Jr., to United States Steel Corp. Apparatus for butt-welding tube. 3,004,653, 10–17–61, Cl. 205—9.

McAfee, Robert F. Outlet box extension. 2,989,206, 6–20–61, Cl. 220—3.7.

McAleer, William J.: *See*—
Dulaney, Eugene L., and McAleer. 2,970,085.
Stoudt, Thomas H., Kozlowski, and McAleer. 2,982,694.

McAlister, Edgar O., R. L. Broxholme, and R. L. Myers, to The Anaconda Co. Geophysical exploration. 2,988,691, 6–13–61, Cl. 324—1.

McAllister, Eva C.: *See*—
McAllister, John W. and E. C. 2,999,321.

McAllister, John W. and E. C., ⅓₀ to Gadget-Of-The-Month Club, Inc. Apparatus for facilitating the making of pleated draperies. 2,999,321, 9–12–61, Cl. 33—180.

McAlpine, Charles H.: *See*—
Winkel, Herbert C., and McAlpine. 3,000,341.

McAlpine, Charles H. Burn caster. 2,978,762, 4–11–61, Cl. 22—58.

McAlpine, Thomas, to G. & J. Weir Ltd. Centrifugal pump. 2,978,988, 4–11–61, Cl. 103—87.

McAndrew, Joseph B.: *See*—
Levinson, David W., McAndrew, and Metcalfe. 2,983,602.

McAndrew, Joseph B., to United States of America, Air Force. Titanium base alloy. 3,008,823, 11–14–61, Cl. 75—175.5.

McAngus, Eli H.: *See*—
Wilson, Charles C., and McAngus. 3,010,508.

McAteer, James H.: *See*—
Nelson, Joseph F., Banes, and McAteer. 3,007,849.

McAuley, James E., to W. D. Sellers. Multiple-passage pressure-responsive valve. 2,973,001, 2–28–61, Cl. 137—118.

McAuley, James W.: *See*—
McCown, William E., and McAuley. 2,972,997.
McCown, William E., and McAuley. 2,998,823.

McAuley, James W., and W. E. McCown, to Libbey-Owens-Ford Glass Co. Vibratory treating apparatus. 2,981,268, 4–25–61, Cl. 134—122.

McAvoy, Gilbert P.: *See*—
Fishpaw, Arthur L., and McAvoy. 2,999,355.

McBean, Douglas M., and L. C. Tallman, to American Can Co. Article unloader. 3,010,588, 11–28–61, Cl. 214—85.

McBee, Earl T., D. J. Cook, and O. R. Pierce, to Research Corp. Fluoro-nitro olefins. 2,997,505, 8–22–61, Cl. 260—644.

McBerty, Robert K. Interlocking metal building panel. 3,001,613, 9–26–61, Cl. 189—34.

McBeth, Clyde W., and E. F. Feichtmeir, to Shell Oil Co. Treatment of soil and compositions therefor. 3,005,752, 10–24–61, Cl. 167—39.

McBride, Charles F. Spreading attachment for lawn mowers. 2,974,963, 3–14–61, Cl. 275—2.

McBride, Donald W.: *See*—
Bookout, Floyd V., Hanson, and McBride. 2,980,224.

McBride, Richard T., to E. I. du Pont de Nemours and Co. Process of coating a polymeric thermoplastic dielectric film and resulting article. 2,973,287, 2–28–61, Cl. 117—138.8.

McBride, Richard T., to E. I. du Pont de Nemours and Co. Coated polymeric thermoplastic dielectric film. 2,976,185, 3–21–61, Cl. 117—138.8.

McBride, William E. Egg grader. 2,979,200, 4–11–61, Cl. 209—121.

McBurney, Charles H.: *See*—
Hwa, Jesse C. H., McBurney, and Meitzner. 2,974,178.

McCaa, Eugene S. Mechanical toys. 2,994,154, 8–1–61, Cl. 46—16.

McCabe, Henry F.: *See*—
Shepherd, Roy, McCabe, and Fogarty. 3,001,542.

McCabe, James B.: *See*—
Nix, Rufus S., and McCabe. 2,993,220.

McCabe, John F. Treadle operated feeding trough. 3,009,-443, 11–21–61, Cl. 119—55.

McCabe, John J., Jr.: *See*—
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Mannheimer, Hans S. 3,001,996.
Mannheimer, Hans S. 3,001,997.

McCabe, John R. Slide projector and viewer. 3,002,426, 10–3–61, Cl. 88—26.

McCabe, Philip J., and R. S. March, to United States of America, Navy. Hydraulic secondary safety switch. 2,982,829, 5–2–61, Cl. 200—82.

McCafferty, Hugh A.: *See*—
Richardson, David A., and McCafferty. 2,969,210.

McCahon, John O., to R. R. Donnelley & Sons Co. Machine for simultaneously pressing and forming joints in the hinge areas of cased books. 2,969,554, 1–31–61, Cl. 11—1.

McCain, Homer I. Holder for scaling fish. 2,980,948, 4–25–61, Cl. 17—8.

McCaleb, Eugene P., to Dariomatic, Inc. Dispensing machine having reach-in door. 2,990,227, 6–27–61. Cl. 312—35.

McCaleb, Kirtland E., L. Vertnik, and D. L. Andersen, to General Mills, Inc. Corrosion inhibiting method and composition. 3,010,782, 11–28–61, Cl. 21—27.

McCall, Chester A., to The Firestone Tire & Rubber Co. Tire chafer abrasion gum strip composition. 2,996,099, 8–15–61, Cl. 152—362.

McCall, Clarence I.: *See*—
Knudsen, Knud J., and McCall. 2,981,106.

McCall, Donald O., to Basalt Rock Co., Inc. Mold for concrete objects. 3,010,174, 11–28–61, Cl. 25—121.

McCall, Ernest B., and D. A. L. Seiler, to Monsanto Chemicals Ltd. Mycobacteriostats. 2,970,081, 1–31–61, Cl. 167—30.

McCall, Martin T. Apparatus for producing visual effects. 3,012,461, 12–12–61, Cl. 88—.1.

McCall, Marvin A.: *See*—
McConnell, Richard L., and McCall. 2,972,621.

McCall, Marvin A., and H. W. Coover, Jr., to Eastman Kodak Co. Dialkyl S(2-cyanoalkyl)phosphorothiolothionates. 2,968,669, 1–17–61, Cl. 260—461.

McCall, Richard C.: *See*—
Roesch, William C., and McCall. 3,010,021.

McCalley, James B. Method and apparatus for forming, filling and sealing bags. 3,008,278, 11–14–61, Cl. 53—182.

McCallum, John: *See*—
Clifford, John E., McCallum, and Semones. 2,992,143.

McCallum, John. Compartmentalized carton. 2,987,235, 6–6–61, Cl. 229—27.

McCallum, John, and W. E. Ditmars, Jr., to Remington Arms Co., Inc. Alkaline primary cells having anodes of niobium, vanadium, or molybdenum. 2,986,592, 5–30–61, Cl. 136—100.

McCallum, John T., B. Johnson, W. E. Ditmars, Jr., and L. D. McGraw, to Remington Arms Co. Current generator cell. 2,979,553, 4–11–61, Cl. 136—100.

McCallum, Robert A.: *See*—
Smithson, Charles B., and McCallum. 3,002,217.

McCambridge, Joseph. Fluid-dynamic emergency brakes. 2,979,165, 4–11–61, Cl. 188—87.

McCammon, George A., to Jersey Production Research Co. Floating roof for oil storage reservoir. 2,970,716, 2–7–61, Cl. 220—26.

McCammon, Robert F., to Minneapolis-Honeywell Regulator Co. Slide changer apparatus. 2,999,424, 9–12–61, Cl. 88—28.

McCandless, George T., to The American Hardware Corp. Removable mullion. 3,000,062, 9–19–61, Cl. 20—11.

McCandless, Robert W.: *See*—
Stephens, Clifford A., and McCandless. 2,983,131.

McCane, Donald I., to E. I. du Pont de Nemours and Co. Novel cyclic dimers of perfluorovinyl ethers. 2,982,786, 5–2–61, Cl. 260—611.

McCann-Erickson Inc.: *See*—
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McCann, Gene, Jr. Auxiliary sun visor for motor vehicles. 2,970,864, 2–7–61, Cl. 296—97.

McCann, John M., and E. G. Olson, to Vandale Corp. Unloading apparatus. 2,995,260, 8–8–61, Cl. 214—17.

McCann, Joseph A., and R. H. Jones, to United States of America, Atomic Energy Commission. Magnetic densitometer. 2,996,662, 8–15–61, Cl. 324—37.

McCann, Harry P. Urinals. 2,983,927, 5–16–61, Cl. 4—109.

McCann, William P., to Samuel M. Langston Co. Device for clamping a part by friction to a shaft. 3,013,827, 12–19–61, Cl. 287—52.

McCanse, James E., and D. C. Ager, to Deere & Co. Control mechanism. 2,979,081, 4–11–61, Cl. 137—620.

McCarry, Thomas F.: *See*—
Cagle, Toby T. 2,997,138.

McCartan, Thomas F., to Bee and Gee Mfg. Co., Inc. Chair having movable leg-rest section. 2,986,201, 5–30–61, Cl. 155—105.

McCarten, Edward R., to American Machine and Foundry Co. Self leveling storing and dispensing apparatus. 2,977,172, 3–28–61, Cl. 312—71.

McCarter, Van B. Dental appliance. 3,006,073, 10–31–61, Cl. 32—69.

McCarthy, Alfred P. Automatic emergency brake system. 3,003,822, 10–10–61, Cl. 303—9.

McCarthy, Dan C. Window construction. 2,976,583, 3–28–61, Cl. 20—56.5.

McCarthy, Donald J.: *See*—
Haviland, Girard S., and McCarthy. 2,996,302.

McCarthy, Edward F. Shoes and means of attaching them. 2,985,970, 5–30–61, Cl. 36—11.5.

McCarthy, Horace F., to Avco Corp. Surgical bridge for supporting sutures. 3,014,483, 12–26–61, Cl. 128—334.

McCarthy, James E.: *See*—
Mangold, Donald J., McCarthy, and Clark. 3,011,001.

McCarthy, Jerome P., and R. Greer, Jr., to Synthetic Mica Corp. Method of manufacturing inorganically bonded micaceous sheet. 2,996,106, 8–15–61, Cl. 154—2.6.

McCarthy, John: *See*—
Erdahl, Nicholai M., Risk, and McCarthy. 2,967,628.

McCarthy, John A.: *See*—
Chruney, Michael, Ericsson, and McCarthy. 2,997,619.

McCarthy, John H.: *See*—
Risk, Norman E., and McCarthy. 2,978,051.

McCarthy, John J.: *See*—
Homeyer, Henry N., and McCarthy. Re. 24,953.

McCarthy, Joseph F., to Minneapolis-Honeywell Regulator Co. Conductive fluid pump. 2,980,022, 4–18–61, Cl. 103—1.

McCarthy, Justin J. Safety signal belt. 2,996,587, 8–15–61, Cl. 200—61.58.

McCarthy, Lorin L., to Pacific Mercury Electronics Inc. Mechanical vibrator for use with fluids and semi-fluids. 2,966,804, 1–3–61, Cl. 74—87.

McCarthy, Paul R., and J. J. McGrath, to Gulf Research & Development Co. Lubricating oil thickened to a grease consistency with a mixture of an organo hydantoin and a siliceous thickening agent. 2,979,460, 4–11–61, Cl. 252—49.7.

McCarthy, Vern I., to Vulcan Containers Inc. Composite container. 2,981,435, 4–25–61, Cl. 220—23.

McCartney, Earl J., and F. D. Braddon, to Sperry Rand Corp. Stabilized optical system. 2,986,966, 6–6–61, Cl. 88—2.4.

McCartney, John R.: *See*—
Parrish, Esperanza, McCartney, and Morgan. 2,988,-782.

McCarty, Daniel J., and E. H. Lutz, to United States of America, Navy. Heat responsive means for blade cooling. 2,977,089, 3–28–61, Cl. 253—39.15.

McCarty, Daniel J., and E. H. Lutz, to United States of America, Navy. Heat responsive means for blade cooling. 2,977,090, 3–28–61, Cl. 253—39.15.

McCarty, Daniel R., to Universal Color Corp. Apparatus for coloring paint. 2,972,435, 2–21–61, Cl. 222—309.

McCarty, George W., to The Black and Decker Mfg. Co. Self-aligning anti-splintering insert for shoe of jig saw. 2,996,089, 8–15–61, Cl. 143—68.

McCarty, Horace G.: *See*—
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Glass, Emmett F., McCarty, and Bumm. 3,006,124.
Halls, Lawrence M., and McCarty. 3,007,297.

McCarty, Horace G. Sperry Rand Corp. Pick-up. 2,986,863, 6–6–61, Cl. 56—364.

McCarty, Horace G., to Sperry Rand Corp. Crop crushing and conditioning device. 2,991,611, 7–11–61, Cl. 56—1.

McCarty, Horace G., to Sperry Rand Corp. Side delivery hay rake. 3,006,135, 10–31–61, Cl. 56—377.

McCarty, Horace G., to Sperry Rand Corp. Hay crusher. 3,014,324, 12–26–61, Cl. 56—1.

McCarty, Horace G., and J. K. Hale, to Sperry Rand Corp. Agricultural implement. 3,006,123, 10–31–61, Cl. 56—1.

McCarty, James M.: *See*—
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McCarty, Lourdes V., to Controls Co. of America. Safe lighting mechanism. 2,972,354, 2–21–61, Cl. 137—66.

McCarty, Robert F., ½0 to Gadget-Of-The-Month Club, Inc. Knife sharpener. 2,975,658, 3–21–61, Cl. 76—86.

McCarty, Verle E., to General Motors Corp. Distributor apparatus. 2,987,588, 6–6–61, Cl. 200—30.

McCarty, William J., to General Electric Co. Defrost arrangement for air conditioning apparatus. 2,970,816, 2–7–61, Cl. 257—278.

McCarty, William J., to General Electric Co. Damper operating arrangement. 3,003,408, 10–10–61, Cl. 98—33.

McCarville, William J., and B. S. Wildi, to Monsanto Chemical Co. Method of preparing near-infrared spectrum filter media. 2,992,928, 7–18–61, Cl. 117—16.

McCary Jewelers, Inc.: *See*—
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McCashen, James F. Method of making a cohesive mixture of a liquid and solids. 2,996,022, 8–15–61, Cl. 107—54.

McCaskill, Louie M. Central vacuum system for homes. 2,979,755, 4–18–61, Cl. 15—314.

McCaslin, Lee: *See*—
Cotton, Edward A., McCaslin, and Smith. 3,010,773.

McCaul, Gerald J.: *See*—
Morris, John N., and McCaul. 2,967,520.

McCaulay, David A.: *See*—
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McCaulay, David A., to Standard Oil Co. Disproportionation of toluene. 3,006,977, 10–31–61, Cl. 260—672.

McCauley, Herbert J., Jr. Sheet metal wedge nut having wedging end portions. 3,006,230, 10–31–61, Cl. 85—32.

McCauley Industrial Corp.: *See*—
Voisard, Walter B. 2,974,729.
Voisard, Walter B. 2,974,730.

McCauley, James F. Feeding and watering devices for bird cages. 2,968,281, 1–17–61, Cl. 119—18.

McCauley, John H., to Burroughs Corp. Method of making gaseous glow tubes. 2,969,270, 1–24–61, Cl. 316—26.

McCauley, John H., to Burroughs Corp. Method of making gaseous glow tubes. 2,977,176, 3–28–61, Cl. 316—26.

McCauley, John H., to Burroughs Corp. Indicator tube. 2,990,061, 6–27–61, Cl. 313—109.5.
McCauley, John H., to Burroughs Corp. Indicator tube. 2,991,387, 7–4–61, Cl. 313—109.5.
McCauley, Thomas M., and G. Svoboda, to Koppers Co., Inc. Die for extruding tubular plastic film. 2,978,748, 4–11–61, Cl. 18—14.
McCawley, Frank X., to Chicago Development Corp. Electrorefining of molybdenum. 2,987,390, 6–6–61, Cl. 75—.5.
McCawley, Frank X., to Chicago Development Corp. Bonding of titanium to steel. 2,998,642, 9–5–61, Cl. 29—194.
McCay, Frank V., and J. R. Austin; said McCay assor. to said Austin. Hydraulic cylinder and piston arrangement. 3,004,524, 10–17–61, Cl. 121—38.
McCay, George B., to Kee Lox Mfg. Co. Carbon paper cabinet. 2,972,507, 2–21–61, Cl. 312—309.
McChesney, Vernon A., to Kaiser Aluminum & Chemical Corp. Apparatus for forming receptacles. 2,968,270, 1–17–61, Cl. 113—43.
McClain, Harry W. Fuel carburetor with central air intake. 2,999,674, 9–12–61, Cl. 261—50.
McClain, Lawrence L.: *See*—
Lasb, Eugene C., and McClain. 2,971,660.
McClain, Robert W.: *See*—
Giltsch, Hans C., and McClain. 3,008,553.
McClain, Victor R., to Smith, Kline & French Laboratories. Circuit fuse locator. 2,976,484, 3–21–61, Cl. 324—51.
McClay, Gordon F., to Canadian Ingersoll-Rand Co., Ltd. Log debarking drum. 2,979,090, 4–11–61, Cl. 144—208.
McClease, Ervin H. Irrigation signal. 3,012,536, 12–12–61, Cl. 116—118.
McCleery, Harold L., L. O. Reichelt, F. Wahl, and D. V. Waters, to Western Electric Co., Inc. Reel-clamping mechanism for cable-stranding apparatus. 2,987,870, 6–13–61, Cl. 57—66.5.
McClees, John V. Photographic flash attachment. 2,979,601, 4–11–61, Cl. 240—1.3.
McClellan, Boyd A.: *See*—
Hale, Andrew, McClellan, and Guggenheim. 2,968,832.
McClellan, Cyril E., to Westinghouse Electric Corp. Monopulse radar system. 2,980,906, 4–18–61, Cl. 343—16.
McClellan, Howard. Rocker support device. 2,974,719, 3–14–61, Cl. 155—17.
McClellan, John F. Optical-thickness and refractive-index meter. 2,998,745, 9–5–61, Cl. 88—14.
McClellan, Ralph E., to The Meilink Steel Safe Co. Trim strip. 2,972,165, 2–21–61, Cl. 16—148.
McClellan, Ralph E., to The Meilink Steel Safe Co. Self-stabilizing foot for retractable castered tables. 2,975,468, 3–21–61, Cl. 16—34.
McClellan, Ralph E., to The Meilink Steel Safe Co. Cabinet door bolt locking device. 2,996,322, 8–15–61, Cl. 292—36.
McClellan, Stephen A., to Specialties, Inc. Indicating instrument for aircraft or the like. 3,008,134, 11–7–61, Cl. 340—324.
McClellan, William R., to E. I. du Pont de Nemours and Co. Glycerylmanganese tetracarbonyls and their preparation. 2,990,418, 6–27–61, Cl. 260—429.
McClelland, Charles P., to Union Carbide Corp. Sizing of textile yarn. 2,980,556, 4–18–61, Cl. 117—138.8.
McClelland, Etheridge R., to Filper Corp. Fruit transfer apparatus. 2,969,867, 1–31–61, Cl. 198—33.
McClelland, John C., to The Budd Co. Testing machine. 2,999,382, 9–12–61, Cl. 73—93.
McClelland, Joseph S., Jr., to Hexcel Products Inc. Fan-shaped honeycomb and method of making same. 2,973,294, 2–28–61, Cl. 154—45.9
McClements, Willard J., and R. C. Datin, to Allied Chemical Corp. Ethylene oxidation. 2,974,150, 3–7–61, Cl. 260—348.5.
McClendon, Charles N.: *See*—
Nixon, Jeddy D., Sr. 2,998,066.
McClendon, Gerald O. Means for and method of balancing rotatable objects. 2,993,386, 7–25–61, Cl. 74—573
McClintock, Cleo L., to E. M. Nelson. Air engine. 2,982,261, 5–2–61, Cl. 121—58.
McClintock, Ralph M., to United States of America, Commerce. Strain gage calibration device. 3,005,332, 10–24–61, Cl. 73—1.
McClintock, Ross A., and R. E. Thompson, to Shaffer Tool Works. Oil sealed drilling bumper sub. 2,972,471, 2–21–61, Cl. 255—28.
McClintock, Walter O.: *See*—
Clawson, Floyd J., and McClintock. 3,008,574.
Clawson, Floyd J., and McClintock. 3,008,575.
McCloskey, Allen L.: *See*—
Brotherton, Robert J., Steinberg, and McCloskey, 2,974,165.
English, William D., and McCloskey. 2,978,502.
English, William D., and McCloskey. 3,000,937.
McCloskey, Allen L., and R. J. Brotherton, to United States Borax & Chemical Corp. Method of preparing alkyl borate esters. 2,987,527, 6–6–61, Cl. 260—462.
McCloskey, Allen L., and L. L. Petterson, to United States Borax & Chemical Corp. Preparation of alkyl borate esters. 3,000,926, 9–19–61, Cl. 260—462.
McCloskey, Allen L., R. J. Brotherton, and J. L. Boone, to United States Borax & Chemical Corp. Method of producing diboron tetrachloride 3,006,730, 10–31–61, Cl. 23—205.
McCloskey, Edward J. Sheet folding apparatus. 2,998,247, 8–29–61, Cl. 269—189.
McClosky, Robert B., to Roto Wrap Machine Corp. Packaging machine. 3,010,265, 11–28–61, Cl. 53—112.
McClosky, Robert B., and D. A. Kraus, to Roto Wrap Machine Corp. High speed packaging machine for tablets or the like. 3,011,678, 12–5–61, Cl. 221—10.
McCloud, George R.: *See*—
Bronikowski, Raymond J., and McCloud. 3,002,070.
McCloud, George R., to McGraw-Edison Co. Load interrupter housed fuse cutouts. 2,979,584, 4–11–61, Cl. 200—114.
McCloud, George R., to McGraw-Edison Co. Load interrupter housed fuse cutouts. 2,983,803, 5–9–61, Cl. 200—114.
McCloud, George R., to McGraw-Edison Co. Fuse cutouts. 2,986,619, 5–30–61, Cl. 200—114.
McCloy, Arthur L., Jr., to Kimble Glass Co. Helix conveyor. 2,980,237, 4–18–61, Cl. 198—213.
McClung, L. B. Coin collection apparatus. 2,992,771, 7–18–61, Cl. 232—16.
McClure, Carroll D.: *See*—
Huckabay, William B., and McClure. 2,981,357.
McClure, Donald H.: *See*—
Oleesky, Samuel S., Peach, Speen, and McClure. 3,002,190.
McClure, George. Attachment for sheet metal elbow edging machine. 2,997,092, 8–22–61, Cl. 153—9.
McClure, Glenn T., and T. F. Hursen, to Westinghouse Air Brake Co. Double-acting mechanical slack adjuster. 2,973,841, 3–7–61, Cl. 188—196.
McClure, Glenn T., and G. K. Newell, to Westinghouse Air Brake Co. Variable load brake control apparatus for railway cars. 2,986,427, 5–30–61, Cl. 303—22.
McClure, Glenn T., and T. F. Hursen, to Westinghouse Air Brake Co. Brake pipe venting control including quick service, vent and pilot valves. 2,994,565, 8–1–61, Cl. 303—82.
McClure, Glenn T., and G. K. Newell, to Westinghouse Air Brake Co. Automatic slack adjuster. 2,998,104, 8–29–61, Cl. 188—196.
McClure, Glenn T., and T. F. Hursen, to Westinghouse Air Brake Co. Brake cylinder release valve device. 3,001,832, 9–26–61, Cl. 303—68.
McClure, John N., Jr. Biopsy instrument. 3,007,471, 11–7–61, Cl. 128—2.
McClure, Marshall R., Jr.: *See*—
Murphey, Robert L., McClure, Rueping, and Winstead. 2,970,695.
McClure, Raymond R., to Diamond Alkali Co. Preparation of alkaline earth metal carbonates. 2,981,596, 4–25–61, Cl. 23—66.
McClure, Robert E. Fish line retriever with cutting blade. 2,968,112, 1–17–61, Cl. 43—17.2.
McClure, Robert E., Jr., to United States Steel Corp. Method and apparatus for annealing coils of metal strip. 2,983,502, 5–9–61, Cl. 263—40.
McClure, Robert I., to General Motors Corp. Automobile. 2,992,041, 7–11–61, Cl. 296—117.
McClure, Robert I., to General Motors Corp. Vehicle body. 2,994,555, 8–1–61, Cl. 296—44.
McClure, Stanley R. Ignition system. 2,998,470, 8–29–61, Cl. 123—148.
McClure, William L., to Sun Oil Co. Apparatus for contacting fluids with solid contact materials. 2,996,362, 8–15–61, Cl. 23—288.
McClure, William L., to Sun Oil Co. Apparatus for contacting hydrocarbons with solids. 2,999,012, 9–5–61, Cl. 23—284.
McClurg, Glenn O., and J. O. Brown, to Magnaflux Corp. Eccentricity tester. 3,001,130, 9–19–61, Cl. 324—34.
McCoig, John A., Sr.: *See*—
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McColl, Allan C., to The Wheland Co. Positioning apparatus. 3,003,099, 10–3–61, Cl. 318—467.
McColl, Bruce J., to Clark Equipment Co. Hydraulic power steering mechanism for vehicle having articulated sections. 2,967,582, 1–10–61, Cl. 180—79.2.
McColl, George Q.: *See*—
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McColl, William, to The Babcock & Wilcox Co. Dense flow shot cleaning. 2,993,681, 7–25–61, Cl. 257—1.
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Hickin, Robert J., and McCollough. 3,007,376.
McCollum, Burton. Method for planting seismic detectors. 2,980,042, 4–18–61, Cl. 111—5.
McCollum, Earl L. Compact leakless valve. 3,014,688, 12–26–61, Cl. 251—111.
McCollum, Louis S., and S. Gindoff, to International Minerals & Chemical Corp. Filter aid. 2,967,149, 1–3–61, Cl. 210—502.
McComb, Frank E., to Flexible Steel Lacing Co. Aligning gauge for flexible hinged fasteners. 2,999,284, 9–12–61, Cl. 24—33.
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Walsh, Joseph W., and McCombe. 2,978,263.
McCombie, Frederick W., to Megator Pumps and Compressors Ltd. Fluid pumps, compressors or motors. 2,988,011, 6–13–61, Cl. 103—163.
McCombie, Frederick W., to Megator Pumps and Compressors Ltd. Fluid compressors. 2,990,110, 6–27–61, Cl. 230—179.
McConaughy, David L., to American-Marietta Co., Stoner-Mudge Co. Division. Foil adhesive system. 2,983,641, 5–9–61, Cl. 154—129.
McConica, Thomas H., to Loomis Machine Co. Adjustable loading ramp. 2,972,762, 2–28–61, Cl. 14—71.

McConica, Thomas H., III. Method of de-icing a surface. 3,014,814, 12–26–61, Cl. 117—104.

McConkie, Howard S. Apparatus for mounting tubeless tires. 2,968,343, 1–17–61, Cl. 157—1.21.

McConkie, Howard S. Tubeless tire mounting device. 2,998,055, 8–29–61, Cl. 157—1.21.

McConkie, Howard S. Safety inner tube with means for securing same to wheel rim and wheel assembly therewith. 3,012,600, 12–12–61, Cl. 152—349.

McConnell, Charles K.: *See*—
Armstrong, James F., and McConnell. 3,006,329.

McConnell, Charles L. Barbless fish hook. 2,979,848, 4–18–61, Cl. 43—37.

McConnell, David P.: *See*—
Ault, John D., and McConnell. 2,999,651.

McConnell, Duane J., to Foley Mfg. Co. Feeding mechanism for saw sharpening machine. 2,986,047, 5–30–61, Cl. 76—35.

McConnell, George T., to Tell-Tronics Products, Inc. Temperature measuring and indicating means. 3,014,371, 12–26–61, Cl. 73—362.

McConnell, John H.: *See*—
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McConnell, Ralph S. Collapsible tobacco hogshead. 2,987,210, 6–6–61, Cl. 217—44.

McConnell, Richard L., and M. A. McCall, to Eastman Kodak Co. O,O-dialkyl S-(tetrahydro-2-pyranyl) phosphorothiolothionates. 2,972,621, 2–21–61, Cl. 260—345.9.

McConnell, Richard L., and H. W. Coover, Jr., to Eastman Kodak Co. Method for preparing O,O,S-trialkyl phosphorothiolothionates. 2,972,628, 2–21–61, Cl. 260—461.

McConnell, Richard L., and H. W. Coover, Jr., to Eastman Kodak Co. Phosphorothiolothionates derived from 5,6-dihydro-4H-1,3-oxazines and 5,6-dihydro-4H-1,3-thiazines. 2,992,219, 7–11–61, Cl. 260—243.

McConnell, William M., to Taylor-Wilson Mfg. Co. Pipe coupling screw-on machine controls. 2,984,000, 5–16–61, Cl. 29—240.

McConnell, William M., to Taylor-Wilson Mfg. Co. Cross roll machines. 2,987,096, 6–6–61, Cl. 153—60.

McConnell, William M., to Taylor-Wilson Mfg. Co. Pipe chucks. 3,005,638, 10–24–61, Cl. 279—106.

McCord, Andrew T., and D. R. Spink, to The Carborundum Co. Process for recovery of nuclear fuel from used fuel elements. 3,007,769, 11–7–61, Cl. 23—14.5.

McCord, Georgie P., to United States Rubber Co. Tubeless tire valve. 2,995,168, 8–8–61, Cl. 152—427.

McCord, William M.: *See*—
Kuck, John H., and McCord. 2,999,211.

McCordic, James R., W. L. Allen, and R. E. Walker, to Chrysler Corp. Parking sprag actuator. 3,001,618, 9–26–61, Cl. 192—4.

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McCormack, Dwight F. Microphoto apparatus. 2,967,455, 1–10–61, Cl. 88—24.

McCormack, Peter A., F. R. Job, Jr., and M. F. Hoffman, to Union Carbide Corp. Gas purging method and apparatus. 3,012,591, 12–12–61, Cl. 141—4.

McCormack, Richard A., to Combustion Engineering, Inc. Vapor generator. 2,976,856, 3–28–61, Cl. 122—478.

McCormack, Whitney, to United States of America, Navy. Combined armament and speed control means for aircraft. 2,993,413, 7–25–61, Cl. 89—1.7.

McCormick, Beatrice L.: *See*—
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McCormick, Charles E. Glare shield for curved windshields. 3,008,758, 11–14–61, Cl. 296—97

McCormick, Clarence E., to Lee Rubber & Tire Corp. Apparatus for making flexible spiral wound wire hose. 2,967,390, 1–10–61, Cl. 57—11.

McCormick, Clarence E., to Lee Rubber & Tire Corp. Flexible hose. 2,986,169, 5–30–61, Cl. 138—109.

McCormick & Co., Inc.: *See*—
Bonotto, Michele. 2,970,914.

McCormick, Donald C., to J. A. Wilson Lighting & Display Ltd. Lighting fixture. 2,971,670, 2–14–61, Cl. 220—38.

McCormick, Everett. Reel and winder for fishing leaders. 3,008,664, 11–14–61, Cl. 242—96.

McCormick, Francis A., and R. L. Newton, to Owens-Illinois Glass Co. Advancer-spacer assembly. 3,013,292, 12–19–61, Cl. 15—308.

McCormick, Gordon R., and G. A. Read, to E. I. du Pont de Nemours and Co. Rectangular spinning pack. 2,969,561, 1–31–61, Cl. 18—8.

McCormick, Hamilton L., to General Motors Corp. Turbine construction. 2,972,470, 2–21–61, Cl. 253—39.

McCormick, James B. Embedding structure and method. 2,996,762, 8–22–61, Cl. 18—26.

McCormick, James C.: *See*—
Bloom, Ralph, Jr., and McCormick. 2,992,638.

McCormick, Jerry R. D.: *See*—
Miller, Philip A., Goodman, Sjolander, and McCormick. 2,987,449.

McCormick, Jerry R. D., N. H. Arnold, U. Hirsch, P. A. Miller, and N. O. Sjolander, to American Cyanamid Co. Process of producing an antibiotic of the tetracycline series. 2,970,947, 2–7–61, Cl. 195—80.

McCormick, Jerry R. D., N. H. Arnold, U. Hirsch, P. A. Miller, and N. O. Sjolander, to American Cyanamid Co. Cosynthetic factor-1, and its production. 2,996,499, 8–15–61, Cl. 260—236.5.

McCormick, Jerry R. D., N. O. Sjolander, and U. Hirsch, to American Cyanamid Co. Production of tetracyclines. 2,998,352, 8–29–61, Cl. 195—80.

McCormick, Jerry R. D., and N. T. K. Smith, to American Cyanamid Co. Preparation of neutral chlortetracycline. 3,005,025, 10–17–61, Cl. 260—559.

McCormick, John E.: *See*—
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Gilbert, George R., Schriesheim, and McCormick. 2,978,524.

McCormick, Wayna H., to J-Dapter Co. Machine clamp. 2,994,236, 8–1–61, Cl. 77—63.

McCormick, Robert F., and A. W. Churchill, to Automatic Switch Co. Pilot-operated four-way valve. 2,984,257, 5–16–61, Cl. 137—622.

McCormick, Robert W., to Container Corp. of America. Partitioned containers. 3,004,696, 10–17–61, Cl. 229—27.

McCormick, Samuel L., Jr. Spray dryer. 3,011,543, 12–5–61, Cl. 159—4.

McCorquodale, Alan B. Water heater with side wall venting means. 2,974,650, 3–14–61, Cl. 122—494.

McCorquodale Colour Display Ltd.: *See*—
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McCorquodale & Co. Ltd.: *See*—
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McCoskey, Jack E.: *See*—
Keller, Harold F., and McCoskey. 2,994,507.

McCotter, James D., Jr., to Philco Corp. Electrical component assembly. 2,987,597, 6–6–61, Cl. 219—9.5.

McCoubrey, Arthur O.: *See*—
Grant, Eugene F., Simpson, McCoubrey, and Buritz. 2,991,389.

McCoubrey, Arthur O., to National Co., Inc. Ion pump and gauge. 2,972,690, 2–21–61, Cl. 313—7.

McCowen, Howell H., and N. W. Kircher, to The Standard Oil Co. Reaction vessel. 2,978,300, 4–4–61, Cl. 23—285.

McCown, William E.: *See*—
Alexander, Harold M., and McCown. 2,999,341.
McAuley, James W., and McCown. 2,981,268.

McCown, William E., and J. W. McAuley, to Libbey-Owens-Ford Glass Co. Apparatus for cleaning surfaces. 2,972,997, 2–28–61, Cl. 134—128.

McCown, William E., and J. W. McAuley, to Libbey-Owens-Ford Glass Co. Apparatus for cleaning surfaces. 2,998,823, 9–5–61, Cl. 134—46.

McCoy, Alva L., to Young Spring & Wire Corp. Master control valve for multiple hydraulic circuits. 3,008,456, 11–14–61, Cl. 121—46.5.

McCoy, Alvin C. Sand filter apparatus for swimming pools. 3,011,643, 12–5–61, Cl. 210—169.

McCoy, Clarence E., to Western Electric Co., Inc. Uniform tension winding apparatus. 2,986,353, 5–30–61, Cl. 242—45.

McCoy, Clarence E., and J. F. Stoltz, to Western Electric Co., Inc. Wire tension control device. 2,978,196, 4–4–61, Cl. 242—45.

McCoy, Donald R.: *See*—
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McCoy, Frank A.: *See*—
Lentz, Billy J., McElderry, and McCoy. 2,999,054.

McCoy, John R., T. C. Tiearney, and J. E. Lewis, to Commercial Filter Corp. Dehydrator. 2,990,030, 6–27–61, Cl. 183—2.5.

McCoy, John W.: *See*—
Gesick, Edward J., Mynatt, and McCoy. 3,006,649.

McCoy, Lorraine, and R. E. Altom. Patient hoists. 2,971,204, 2–14–61, Cl. 5—83.

McCoy, Marcus A., to Hoffman Electronics Corp. Panoramic receivers or the like. 2,994,766, 8–1–61, Cl. 250—20.

McCoy, Marcus A., to Hoffman Electronics Corp. Stabilized regenerative Q multiplier circuit or the like. 2,994,835, 8–1–61, Cl. 330—89.

McCoy, Rawley D., to Reeves Instrument Corp. Method and apparatus for checking electronic analog computers. 2,967,997, 1–10–61, Cl. 324—73.

McCoy, Rawley D., to Reeves Instrument Corp. Precision servo positioning system. 2,976,467, 3–21–61, Cl. 318—30.

McCoy, Rawley D., to Sperry Rand Corp. Servo mechanism. 3,008,136, 11–7–61, Cl. 343—7.

McCoy, Robert E.: *See*—
Rosenberg, Jack, McCoy, Sculitto, and Burt. 2,998,190.

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McCoy, William K., to Gulf Oil Corp. Fluid proportioning apparatus. 2,982,444, 5–2–61, Cl. 222—26.

McCracken, Van B. Internal combustion engine carburetor improvements. 3,007,683, 11–7–61, Cl. 261—41.

McCrary, William V., to Beacon Mfg. Co. Reversible blanket. 3,009,489, 11–21–61, Cl. 139—413.

McCray, Harold E., to Cabot Corp. Hydraulic pumping apparatus. 2,985,432, 5–23–61, Cl. 257—191.

McCrea, Charles H. Hydro-pneumatic press. 2,990,687, 7–4–61, Cl. 60—54.5.

McCreary, Harold E., to Radio Corp. of America. Methods for preparing water-stable zinc orthophosphate phosphors. 2,977,321, 3–28–61, Cl. 252—301.6.

McCreary, Harold J., to Automatic Electric Laboratories, Inc. Key senders. 2,971,182, 2–7–61, Cl. 340—174.1.

McCreary, Harold J., to Automatic Electric Laboratories, Inc. Magnetic saturation control devices. 3,014,988, 12–26–61, Cl. 179—16.

McCrory, John F., to Balloon Tire Mould Co., Inc. Tire banding apparatus. 2,990,158, 6-27-61, Cl. 254—50.3.
McCrory, Joseph D. Frame for beds for small animals. 3,006,319, 10-31-61, Cl. 119—1.
McCrosky Tool Corp.: *See*—
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McCrossen, Helen H. Ironing tablets. 3,002,303, 10-3-61, Cl. 38—137.
McCuiston, Robert E., and R. M. Fenner. Atomizers. 2,987,261, 6-6-61, Cl. 239—304.
McCulloch, Bryson. Shade roller and bracket assemblies. 2,999,664, 9-12-61, Cl. 248—267.
McCulloch, Charles R., to The B. F. Goodrich Co. Polyurethane chelates from kojic acid. 2,986,553, 5-30-61, Cl. 260—75.
McCulloch Corp., Marine Products Division: *See*—
Bandli, John C. 2,996,273.
Beck, Richard, Jr. 2,971,673.
Carlson, Byron. 2,993,544.
Foster, Leslie W. 2,969,763.
Hazzard, Harry I. 2,984,465.
Kelly, Douglas E. 2,968,292.
Merz, Max. 2,992,660.
McCulloch, Murdoch M., to Baker Perkins Ltd. Method and apparatus for blending flour or other pulverulent material. 2,984,521, 5-16-61, Cl. 302—28.
McCulloch, Robert G., to Ceeco Products Pty. Ltd. Bung for beer barrels and the like. 2,969,161, 1-24-61, Cl. 217—106.
McCulloch, Thomas B., to Jersey Production Research Co. Apparatus for use in wells completed in a plurality of zones. 2,986,216, 5-30-61, Cl. 166—114.
McCulloch, Thomas B., and W. E. Kanady, to Jersey Production Research Co. Apparatus for use in a well bore. 2,966,946, 1-3-61, Cl. 166—187.
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McCulloch, William J. G., and I. Kirshenbaum, to Esso Research and Engineering Co. Catalyst for dehydration of secondary alcohols. 2,978,420, 4-4-61, Cl. 252—443.
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King, John A., McCullough, and Montano. 3,013,684.
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McCullough, Henry C. Stator coil stripping machine. 3,010,191, 11-28-61, Cl. 29—205.
McCullough, Jack A., and W. R. Stuart, to Eitel-McCullough, Inc. Method and apparatus for making electron tubes. 2,996,347, 8-15-61, Cl. 316—19.
McCullough, Lewell O., Jr. Golf club. 2,976,046, 3-21-61, Cl. 273—162.
McCullough, Russell H., to C-M Equipment Corp. Vignetting devices. 2,998,747, 9-5-61, Cl. 88—16.6.
McCullough, Stuart. Profile milling machine. 3,004,476, 10-17-61, Cl. 90—13.4.
McCune, Homer W., to The Procter & Gamble Co. Detergent compositions. 2,993,861, 7-25-61, Cl. 252—137.
McCune, William J., Jr.: *See*—
Balchunas, Charles A., and McCune. 2,995,975.
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McCunn, Thomas H.: *See*—
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McCurdy, Belding H.: *See*—
Kohler, Charles F., and McCurdy. 2,985,368.
McCurdy, Donald L.: *See*—
Anderson, Lloyd L., Rop, and McCurdy. 2,992,594.
McCurdy, Donald L., to Jervis Corp. Multiple action solenoid apparatus. 2,987,655, 6-6-61, Cl. 317—190.
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McCurdy, Harry C., deceased, by R. L. McCurdy, administratrix, to The R. K. Le Blond Machine Tool Co. Tracer mechanism. 3,000,362, 9-19-61, Cl. 121—45.
McCurdy, Robert J., to Radio Corp. of America. Radar test set. 2,991,469, 7-4-61, Cl. 343—17.7.
McCurdy, Ruth L.: *See*—
McCurdy, Harry C. 3,000,362.
McCurnin, William R. Windshield washing device. 3,010,473, 11-28-61, Cl. 137—353.
McCurry, Thomas M., to Union Bag-Camp Paper Corp. Heat sealable stepped end bag. 2,975,955, 3-21-61, Cl. 229—55.
McCutchen, Joseph K. Method of and apparatus for producing tufted product having unsevered and severed loops. 2,982,239, 5-2-61, Cl. 112—79.
McCutchen, Joseph K. Method of and apparatus for producing tufted products. 2,982,240, 5-2-61, Cl. 112—79.
McCutcheon, David C., ½ to G. Miller. Ignition device for fuel burners. 2,982,840, 5-2-61, Cl. 219—35.
McDaniel, George A., and G. M. Salamonovich, to Gilfillan Bros., Inc. Velocity servosystem for memory-point tracking system. 2,972,095, 2-14-61, Cl. 318—329.
McDaniel, George R., to Diamond Alkali Co. Wet production of silicates. 2,988,423, 6-13-61, Cl. 23—110.
McDaniel, Lewis B. Poultry nest. 2,992,628, 7-18-61, Cl. 119—49.
McDaniel, Lloyd E., to Merck & Co., Inc. Production of cobalamins. 3,000,793, 9-19-61, Cl. 195—114.
McDearis, Owen D. Filling separator for box looms. 2,991,811, 7-11-61, Cl. 139—170.7.
McDermid, William L.: *See*—
Zola, Edward J., Jr., Van Mechelen, Cour, and McDermid. 3,004,252.
McDermott, Henry J., to American Viscose Corp. Multi-jet couplings. 2,970,340, 2-7-61, Cl. 18—8.
McDermott, Henry J., to American Viscose Corp. Method of operating a tow machine. 2,980,493, 4-18-61, Cl. 19—54.
McDermott, John P.: *See*—
Rogers, Dilworth T., and McDermott. 2,992,909.
McDermott, William J., to Dennison Mfg. Co. Self-locking box. 2,999,626, 9-12-61, Cl. 229—45.
McDevitt, James A., to Continental Can Co., Inc. Poultry stuffing horn. 3,011,297, 12-5-61, Cl. 53—261.
McDill, Hardin B. Dewaxing of oils. 2,982,692, 5-2-61, Cl. 195—3.
McDonald, Angus A.: *See*—
Cotterman, Don R., and McDonald. 2,991,212.
McDonald, Charles B.: *See*—
Russell, Robert C., and McDonald. 2,984,064.
McDonald, Charles H. Band saw attachment and method of completing cutout. 3,014,392, 12-26-61, Cl. 83—14.
McDonald, Claude T. Log debarking apparatus. 3,013,593, 12-19-61, Cl. 144—208.
McDonald, Clifford C.: *See*—
Miller, Rowland L., and McDonald. 2,993,557.
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McDonald, David W.: *See*—
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McDonald, Donald C., to Cook Electric Co. Follow-up system. 2,986,223, 5-30-61, Cl. 170—60.17.
McDonald, Donald C., and E. A. Reich, to Cook Electric Co. Phase synchronizing system. 2,979,135, 4-11-61, Cl. 170—160.17.
McDonald, Edward H.: *See*—
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Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 3,002,568.
McDonald, Frederick W., to A & W Root Beer Co. Individual vessel refrigeration method and means. 3,003,326, 10-10-61, Cl. 62—62.
McDonald, Gilmour. Garment supporting bar for wire garment hangers. 2,967,648, 1-10-61, Cl. 223—98.
McDonald, Howard A., and J. E. Dore, to Kaiser Aluminum & Chemical Corp. Refractory brick and preparation thereof. 2,997,402, 8-22-61, Cl. 106—63.
McDonald, Hugh C., to Townsend Co. Method and apparatus for making identifications. 2,974,426, 3-14-61, Cl. 35—26.
McDonald, Hugh J.: *See*—
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McDonald, James A., and H. H. Evans, to Commercial Cam & Machine Co. Method of manufacture of an indexing cam. 2,999,311, 9-12-61, Cl. 29—401.
McDonald, John E., to Westinghouse Electric Corp. Centrifugal fans. 3,006,534, 10-31-61, Cl. 230—134.
McDonald, John W., to A. E. Staley Mfg. Co. Liquid laundry starch. 2,994,615, 8-1-61, Cl. 106—213.
McDonald, Joseph F. Plastics-treating apparatus. 2,969,463, 1-24-61, Cl. 250—49.5.
McDonald, Leighton S.: *See*—
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Crabb, Clarence R., Hughes, and McDonald. 2,999,886.
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McDonald Products Corp.: *See*—
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McDonald, Ralph R. Coin controlled locking mechanisms. 2,982,388, 5-2-61, Cl. 194—78.
McDonald, Ramsey. Automatic dial radio telephone system. 3,009,149, 11-14-61, Cl. 343—177.
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McDonald, Willard F. Tethered balloon control. 3,005,604, 10-24-61, Cl. 244—33.
McDonald, William H. Combination closure device. 2,975,830, 3-21-61, Cl. 160—92.
McDonell, Horace G., and E. S. Watson, to The Perkin-Elmer Corp. Calibrated bar graph recording system. 2,995,410, 8-8-61, Cl. 346—23.
McDonell, William C. Gas meter calibration apparatus. 2,987,911, 6-13-61, Cl. 73—3.
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McDonnell, Basil, and H. E. Jackson, to The Consolidated Mining and Smelting Co. of Canada Ltd. Method of increasing the wet strength of cellulosic material and article formed thereby. 3,002,881, 10-3-61, Cl. 162—166.
McDonnell, James A., J. M. Terlato, and J. E. Greene, to International Business Machines Corp. Data processing system memory controls. 2,968,027, 1-10-61, Cl. 340—172.5.

McDonnell, Joseph F., Jr., and H. McNeilly, to The Borden Co. Self-leveling measuring spoon. 3,001,404, 9–26–61, Cl. 73—426.
McDonnell, Patrick J.: *See*—
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McDonough, Everett G., and W. W. Edman, to Sales Affiliates, Inc. Process of pretreating hair for cold waving. 2,990,832, 7–4–61, Cl. 132—7.
McDonough, John J., to Scott & Williams, Inc. Knitting machine. 2,971,358, 2–14–61, Cl. 66—42.
McDonough, John J., to Scott & Williams, Inc. Knitted stocking. 3,004,418, 10–17–61, Cl. 66—187.
McDonough, Peter and E. J. Ice fishing heater. 2,990,829, 7–4–61, Cl. 126—271.2.
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McDougal, Thomas F., to Westinghouse Electric Corp. Basing machine for incandescent, fluorescent and discharge lamps. 3,013,927, 12–19–61, Cl. 156—424.
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McDougall, James R., to Nutrena Mills, Inc. Device for comparing data with standard information. 2,968,875, 1–24–61, Cl. 35—1.
McDowall, Charles J., to General Motors Corp. Multimember joint. 3,014,741, 12–26–61, Cl. 285—330.
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Ayer, Donald R., and McDowell. 3,015,081.
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McDowell, Robert C., and Ban. 2,981,532.
McDowell, Fred. Pneumatic berry stripper. 3,006,131, 10–31–61, Cl. 56—330.
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McDuff, Leon E., to Johns-Manville Fiber Glass Inc. Flexible contained insulation blanket. 3,003,902, 10–10–61, Cl. 154—44.
McDuffie, Archie D., to General Motors Corp. Fuel control unit for internal combustion engines. 2,989,065, 6–20–61, Cl. 137—100.
McDuffie, Archie D., to General Motors Corp. Pneumatic pumping apparatus. 2,997,961, 8–29–61, Cl. 103—152.
McDuffie, Archie D., and D. C. Scoville, to General Motors Corp. Spark advance and fuel mixture control device. 3,014,974, 12–26–61, Cl. 123—148.
McDurmont, Walter R., to Anderson Electric Corp. Universal compression connectors and method of crimping same. 3,006,983, 10–31–61, Cl. 174—94.
McEachern, Loyd R., to The American MonoRail Co. Air stream oscillating device. 2,980,340, 4–18–61, Cl. 239—237.
McEachern, Loyd R., to The American MonoRail Co. Vacuum apparatus for handling lint. 3,003,178, 10–10–61, Cl. 15—312.
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McElhinney, Eric M., and J. B. Kucera, ⅛ to R. L. Lowell. Material spreading and loading apparatus with flail beater and cover. 3,011,793, 12–5–61, Cl. 275—1.
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McElroy, Albert D., and R. M. Adams, to Callery Chemical Co. Preparation of dialkoxyboranes. 2,992,268, 7–11–61, Cl. 260—462.
McElroy, Albert D., and R. M. Hunt, to Callery Chemical Co. Production of trialkylboroxines and alkyldihydroxyboranes. 2,996,539, 8–15–61, Cl. 260—500.
McElroy, John F.: *See*—
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McElroy, Robert K.: *See*—
Johnson, Robert A., McElroy, and Wickboldt. 2,993,434.
McElroy, Roy H., to International Clay Machinery of Delaware, Inc. Brick press. 3,013,321, 12–19–61, Cl. 25—41.
McElroy, Wilbur R., to Mobay Chemical Co. Production of polyurethane-polyisocyanates. 2,969,386, 1–24–61, Cl. 260—471.
McEneny, Gregory E., to General Electric Co. Fuel injector for a combustion chamber. 3,002,353, 10–3–61, Cl. 60—39.74.
McEntee, Harry R.: *See*—
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Burns, Ray S. 3,011,804.
Eichenberg, Robert, and Rhodes. 2,971,527.
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McEwan, James. Saw sharpener. 2,972,266, 2–21–61, Cl. 76—79.
McEwan, James. Lawn mower sharpener. 2,990,654, 7–4–61, Cl. 51—48.
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McFadden, Charles A., W. K. Mammel, and T. Liddell, to Selas Corp. of America. Heat treating machine. 2,975,745, 3–21–61, Cl. 113—128.
McFadden, Maurice H., to Short Brothers & Harland Ltd. Oscillators. 2,983,880, 5–9–61, Cl. 331—136.
McFadden, Norman E., to Johns-Manville Fiber Glass Inc. Filament guide. 2,967,027, 1–3–61, Cl. 242—157.
McFadden, Norman E., to Johns-Manville Fiber Glass Inc. Method and apparatus for melting glass and drawing filaments therefrom. 2,994,916, 8–8–61, Cl. 18—8.
McFadden, Norman E., to Johns-Manville Fiber Glass Inc. Ceramic bushings equipped with metal orifice tips. 2,996,758, 8–22–61, Cl. 18—8.
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McFarlan, Alden I. Air conditioning. 2,984,458, 5–16–61, Cl. 257—283.
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McFarland, John A., to Samac Corp. Device for inking the inking roller of a portable proof press. 2,991,713, 7–11–61, Cl. 101—348.
McFarland, John W., to E. I. du Pont de Nemours and Co. Process for polymerizing alpha-olefins to high polymers. 3,012,996, 12–12–61, Cl. 260—79.3.
McFarland, M. B., & Sons: *See*—
McFarland, Gerald B. 2,985,464.
McFarland, Rolland, Jr., to Hills-McCanna Co. Valve diaphragms. 3,011,758. 12–5–61, Cl. 251—331.
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Saulino, Anthony J., McFarlane, and Klamp. 2,995,178.
McFarlane, Arthur M., to Russer's, Inc. Labeling device. 3,005,744, 10–24–61, Cl. 156—566.
McFarlane, Maynard D., to Robertshaw-Fulton Controls Co. Refueling contact aid. 2,993,997, 7–25–61, Cl. 250—203.
McFeaters, Harry L., to Pennsylvania Engineering Corp. Furnace trunnion bearing construction. 2,976,090, 3–21–61, Cl. 308—207.
McFerran, James B., to General Electric Co. Single winding saturable core impedance devices. 3,003,102, 10–3–61, Cl. 323—89.
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McGarry, James D., and R. L. Daniels, to The Garcia Corp. Fish lure. 2,982,048, 5–2–61, Cl. 43—42.06.
McGarry, Phillip E., to International Minerals & Chemical Corp. Process for beneficiation of asphaltite material. 2,973,864, 3–7–61, Cl. 209—166.
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McGary, Charles W., Jr., and C. T. Patrick, Jr., to Union Carbide Corp. Composition comprising bis(2,3-epoxycyclopentyl) ether, a polycarboxylic acid anhydride and a polyol, and cured product thereof. 3,000,848, 9–19–61, Cl. 260—42.
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McGehee, Farley M., to Jersey Production Research Co. Method of perforating one of a plurality of parallel pipe strings. 3,003,556, 10–10–61, Cl. 166—35.
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McGill, Daniel F. Power transmission mechanism. 2,982,156, 5–2–61, Cl. 74—764.
McGill, Daniel F. Reversing hydro-static transmission. 2,992,712, 7–18–61, Cl. 192—.098.
McGill, George D., and W. B. Karst, to West Point Mfg. Co. Automatically threading device. 3,010,487, 11–28–61, Cl. 139—223.
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McGinley, Edward J. Musical chord chart. 2,984,143, 5–16–61, Cl. 84—471.
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McGinty, Robert L., to Imperial Chemical Industries Ltd. Manufacture of 1 chloro-2,2,2-trifluoro-ethane. 3,003,003, 10–3–61, Cl. 260—653.6.
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McGlynn, James F., to Socony Mobil Oil Co., Inc. Apparatus for determining the flash point of petroleum products. 3,011,337, 12–5–61, Cl. 73—36.
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McGoldrick, William J., to Minneapolis-Honeywell Regulator Co. Valve and control system. 2,968,466, 1–17–61, Cl. 251—129.
McGonegle, Richmond J. Integrators. 3,001,713, 9–26–61, Cl. 235—183.
McGough, John J. Pole supported fruit harvester with endless picking means. 2,968,141, 1–17–61, Cl. 56—332.
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McGowan, Florence R. Protective pad for bed patients. 3,011,494, 12–5–61, Cl. 128—153.
McGowan, George F. Flask for making dentures. 2,975,479, 3–21–61, Cl. 18—33.
McGowan, Richard J., Jr., to United States of America, Navy. Full pressure suit helmet and torso tiedown system. 2,973,521, 3–7–61, Cl. 2—2.1.
McGowan, William S. Bag opener. 2,973,612, 3–7–61, Cl. 53—384.
McGowen, Harold E., Jr.: *See*—
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McGowen, Harold E., Jr., to Camco, Inc. Subsurface hydraulic well pump. 2,994,279, 8–1–61, Cl. 103—179.
McGowen, Harold E., Jr., to Camco, Inc. Expansible chamber actuator for gas lift valve. 3,014,500, 12–26–61, Cl. 137—777.
McGrane, John F., to The Torrington Co. Envelope for machine knitting needles. 3,014,582, 12–26–61, Cl. 206—66.
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Caudle, Howard P., McGrath, and Thieser. 2,991,656.
Caudle, Howard P., McGrath, and Thieser. 3,008,708.
McGrath, John R., to Railway Car Equipment Co. Journal lubricating device. 3,008,780, 11–14–61, Cl. 308—243.
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Halter, Robert E., and McGrath. 2,984,624.
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McGrath, Joseph J., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Lubricating oil thickened to a grease with a mixture of a biphenyldicarboxylic acid and an organophilic siliceous thickener. 2,979,461, 4–11–61, Cl. 252—49.7.
McGrath, Joseph J., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Lubricating oil thickened to a grease consistency with a mixture of a spiro hydantoin and a siliceous thickening agent. 2,979,462, 4–11–61, Cl. 252—49.7.
McGrath, Joseph J., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Lubricating oil thickened to a grease consistency with a mixture of a bis-pyrozolane and an organophilic siliceous compound. 2,983,683, 5–9–61, Cl. 252—49.7.
McGrath, Joseph J., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Lubricating oil thickened to a grease with a mixture of tripentaerythritol and an organophilic siliceous material. 2,998,384, 8–29–61, Cl. 252—28.
McGrath, Joseph J., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Ether derivatives of safrole and isosafrole and their use as synergists with pyrethrins in insecticidal compositions. 3,011,941, 12–5–61, Cl. 167—33.
McGrath, Leonard J. Aligning fixture for assembling sheet piling. 2,968,931, 1–24–61, Cl. 61—63.
McGrath, Thomas F., and J. C. Sessler, to North American Aviation, Inc. High temperature thin film thermocouple. 3,006,978, 10–31–61, Cl. 136—4.
McGrath, William L., to Carrier Corp. Defrost control for refrigeration systems. 2,988,897, 6–20–61, Cl. 62—156.
McGrath, William L., to Carrier Corp. Air conditioning units. 3,012,760, 12–12–61, Cl. 257—137.
McGraw-Edison Co.: *See*—
Anderson, George M. 2,993,960.
Arzapalo, Richard A. 3,005,074.
Attewell, Oliver G. 3,003,226.
Balch, Robert A., and Hall. 3,003,731.
Bertling, Ronald J. 2,974,540.
Bronikowski, Raymond J., and McCloud. 3,002,070.
Burns, Fredrick B., and Johnson. 2,998,985.
Collier, Donald W. 3,001,050.
Collier, Donald W., Whitney, and Williams. 2,994,746.
Conlee, George D. 3,002,288.
Cunningham, Francis V. 2,999,960.
Donohue, Walter A. 3,005,038.
Esser, George W. 2,984,708.
Everhart, James G. 2,976,503.
Everhart, James G., and Davidson. 2,968,445.
Ewing, Lloyd and R., and Hahn. 3,010,847.
Feiber, Martin R. 3,007,181.
Freeman, James F. 2,973,967.
Goettl, Adam D. 2,974,581.
Goettl, Adam D. 2,996,971.
Goettl, Albert B. 2,991,707.
Gomersall, John R. 2,972,038.
Howling, Dennis H. 2,978,545.
Ireland, Murray. 2,986,594.
Johnson, Graham H. 2,990,514.
Joublanc, Joseph C. 3,012,236.
Kraase, Walter W., and Bertling. 2,999,224.
Logan, William W. 3,014,991.
Majewski, John V. 3,005,613.
Malott, Clifton S., Jr. 2,974,948.
McCloud, George R. 2,979,584.
McCloud, George R. 2,983,803.
McCloud, George R. 2,986,619.
Mercier, Carl E. 3,008,016.
Minder, Peter M. 2,990,511.

McGraw-Edison Co.: *See*—Continued
Nash, William H. 2,971,132.
Nash, William H. 2,994,805.
Nash, William H., and Bronikowski. 2,999,141.
Nash, William H., and Kuminsky. 3,012,238.
Neckel, Edmund N. 2,968,429.
Neckel, Edmund N. 2,971,281.
Neidenthal, Kenneth W., Ballmer, and Rockwood. 2,995,918.
Nuhn, Lewis J. 2,997,445.
Paskell, Ernest. 2,990,300.
Petersen, Clifford W. 2,980,214.
Petersen, Clifford W. 3,001,749.
Phillips, Davis M. Re. 25,062.
Phillips, Davis M. 2,990,151.
Phillips, Davis M. 3,010,546.
Putz, Hector R. 2,990,537.
Roberts, Samuel S. 2,971,399.
Silverman, Robert M. 2,969,242.
Silverman, Robert M. 2,976,048.
Skubal, John J. 2,983,465.
Smith, Martin R. 3,011,038.
Steinmeyer, Alwin G. 2,968,778.
Steinmayer, Alwin G. 3,008 222.
Stone, Harold C., and Schultz. 2,994,014.
Thiry, George L. 3,007,232.
Thompson, Robert P., and Wurdack. 2,968,087.
Webster, Wendell H. 2,971,351.
Whitney, William G. 2,973,965.
Zimsky, John J., Horelick, and Dornbush. 2,990,528.
Zimsky, John J., Mocker, and Boyd. 3,003,225.
Zimsky, John J., and Stewart. 2,989,883.

McGraw Electric Co.: *See*—
Zwelling, Martin I. 2,974,401.

McGraw, George E., Jr., to Western Electric Co., Inc. Feeding mechanism. 2,978,199, 4–4–61, Cl. 242—67.2.

McGraw, George P., Jr., to Western Electric Co., Inc. Machine for dip-coating articles. 2,997,018, 8–22–61, Cl. 118—612.

McGraw, Gerald J., to W. J. McGraw. Closure device. 2,975,496, 3–21–61, Cl. 24—201.

McGraw, Leslie D.: *See*—
McCallum, John, Johnson, Ditmars, and McGraw. 2,979,553.

McGraw, W. J.: *See*—
McGraw, Gerald J. 2,975,496.

McGregor, Alan G., and M. Hale, to United Kingdom Atomic Energy Authority. Thermocouple arrangements. 2,988,582, 6–13–61, Cl. 136—4.

McGregor, Clifton P., and W. H. Ryon, to Lockheed Aircraft Corp. Draw dies for multiple action press. 2,980,046, 4–18–61, Cl. 113—49.

McGregor, John C., to Orenda Engines Ltd. Connecting means, especially for securing annular stator elements between supports whose positions are fixed. 2,968,467, 1–17–61, Cl. 253—78.

McGregor, John E., to International Business Machines Corp. Fluid pressure connector for printed circuit card. 2,978,666, 4–4–61, Cl. 339—17.

McGregor, John L. Fluid flow transducer. 2,996,120, 8–15–61, Cl. 170—159.

McGregor, Ralph, to General Motors Corp. Refrigerating apparatus. 2,968,961, 1–24–61, Cl. 74—60.

McGrew, Edwin H.: *See*—
Braithwaite, David G., McGrew, Hettinger, and D'Amico. 3,010 914.

McGriff, Stuart G., to Callery Chemical Co. Welding flux and method of using. 3,001,276, 9–26–61, Cl. 29—495.

McGuffey, James W., to Tranter Mfg., Inc. Mobile refrigeration system. 2,975,614, 3–21–61, Cl. 62—230.

McGugin, Frank W., and J. Hedgpeth, to CO_2 Land Healers, Inc. Method and apparatus for treating soils by adding carbonic acid. 3,005,288, 10–24–61, Cl. 47—58.

McGuine, Thomas H., and N. V. Feldpush, to Wilson & Co., Inc. Preparation of crystallizable stearic acid. 2,985,674, 5–23–61, Cl. 260—419.

McGuinness, Walter L. Traction anti-skid devices. 2,996,094, 8–15–61, Cl. 152—233.

McGuire, Charles H., and R. L. Peek, Jr., to Bell Telephone Laboratories, Inc. Switching device. 2,969,434, 1–24–61, Cl. 179—27.54.

McGuire, Erwin J.: *See*—
Hodges, Howard T., and McGuire. 3,000,425.

McGuire, George. Safety swimming pool cover. Re. 25,078, 11–14–61, Cl. 4—172.

McGuire, James M.: *See*—
Bromer, William W., and McGuire. 2,970,943.

McGuire, Lee R. Well drilling ball clutched pipe hoists. 2,990,157, 6–27–61, Cl. 254—29.

McGuire, Robert D. Method of molding a hollow rubber article. 2,977,636, 4–4–61, Cl. 18—58.7.

McGuire, Robert J.: *See*—
Mitchell, Edward, and McGuire. 2,987,884.

McGuire, Roy L. Painter's pail and brush holster. 2,985,349, 5–23–61, Cl. 224—5.

McGuire, Thomas B.: *See*—
Cook, George W., and McGuire. 3,009,064.

McGuire, Thomas B., and R. G. Parks, to Burroughs Corp. Tape transport system. 2,997,247, 8–22–61, Cl. 242—5.12.

McGurty, James A., and E. S. Funston, to General Electric Co. Oxidation resistant alloy. 2,978,321, 4–4–61, Cl. 75—150.

McGurty, James A., and J. F. Collins, to General Electric Co. Oxidation resistant iron-chromium alloy. 2,994,604, 8–1–61, Cl. 75—124.

McGurty, James A., and J. F. Collins, to General Electric Co. Oxidation resistant iron-chromium alloy. 3,002,833, 10–3–61, Cl. 75—122.7.

McHale, David: *See*—
Green, Joseph, McHale, and Mamalis. 2,976,288.

McHale, John F.: *See*—
Billmeier, Robert A., and McHale. 3,007,781.

McHan, Thaddus D. Tomato carton. 2,971,639, 2–14–61, Cl. 206—45.34.

McHenry, Garl D., to International Telephone and Telegraph Corp. PRF counter. 2,986,699, 5–30–61, Cl. 324—79.

McHenry, Keith W., H. S. Seelig, H. M. Brennan, and R. W. Carl, to Standard Oil Co. Catalytic cracking of reduced crudes. 2,998,380, 8–29–61, Cl. 208—72.

McHugh, Charles J., Jr., to The Lodge & Shipley Co. Accumulator for conveyor systems. 2,988,195, 6–13–61, Cl. 198—19.

McHugh, James F., to Cornell-Dubilier Electric Corp. Capacitor construction. 3,015,052, 12–26–61, Cl. 317—261.

McHugh, James P.: *See*—
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McHugh, John B., to United States of America, Navy. Coordinate positioner. 2,981,123, 4–25–61, Cl. 74—665.

McHugh, John B., to United States of America, Navy. "Z" axis drive system. 2,991,663, 7–11–61, Cl. 74—665.

McIlroy, John H., and R. L. Moore, to General Dynamics Corp. Dual pattern antenna. 3,001,196, 9–19–61, Cl. 343—915.

McIlvaine, Alexander. Protective device for ski lift chairs. 3,008,761, 11–14–61, Cl. 297—84.

McIlvaine, Robert L.: *See*—
Granath, Axel G., and McIlvaine. 2,990,624.

McIlvaine, Robert L., to Herbert Simpson Corp. Method and apparatus for mixing agglomerative materials. 2,970,778, 2–7–61, Cl. 241—97.

McIlvaine, Robert L., to Herbert Simpson Corp. Mixer for granular material. 2,978,147, 4–4–61, Cl. 222—185.

McIlvin, Donald B.: *See*—
Baker, Willard L., Berggren, McIlvin, and Spencer. 3,006,032.

McIlvin, Donald B., to United Shoe Machinery Corp. Fastener inserting machines. 2,989,750, 6–27–61, Cl. 1—106.

McIlvried, Edwin J. Vertical coil counting reel. 2,972,453, 2–21–61, Cl. 242—79.

McIlwraith, Charles G., to J. B. Breazeale, and E. N. Dacus, to Bill Jack Scientific Instrument Co. Instrument for indicating fluid density. 2,981,111, 4–25–61, Cl. 73—453.

McInerney, John F.: *See*—
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McIntire, Andrew N. Advertising clock. 2,998,664, 9–5–61, Cl. 40—33.

McIntosh, A. Vern, Jr.: *See*—
Bullard, Ralph H., Graff, and McIntosh. 2,968,579.
Bullard, Ralph H., Graff, and McIntosh. 2,968,675.

McIntosh, James C. Airplane hangar. 2,992,709, 7–18–61, Cl. 189—1.5.

McIntosh, James C. One piece paint brush container. 3,000,491, 9–19–61, Cl. 206—15.1.

McIntosh, Joseph J. Method and apparatus for displaying conditions of vehicle traffic and accidents incidental thereto. 2,968,876, 1–24–61, Cl. 35—7.

McIntosh, William A., to West Virginia Pulp and Paper Co. Lime treated sulfonated lignin drilling fluids of the oil emulsion type. 3,010,895, 11–28–61, Cl. 252—8.5.

McIntyre, Robert R., to Johnson Hinge Co., Inc. Adjustable backrest for chair structure. 2,978,013, 4–4–61, Cl. 155—152.

McIntyre, Sidney S., to The Humboldt Co. Cable hauling system with fixed machinery for use on container ships. 2,984,367, 5–16–61, Cl. 214—15.

McIntyre, Sidney S., Sr., to The Humboldt Co. Log loader. 3,011,651, 12–5–61, Cl. 212—7.

McIntyre, William D., 50% to W. E. Ford. Bit passage plug inserts and bit with plugged passages. 2,987,130, 6–6–61, Cl. 175—318.

McIver, Donald A.: *See*—
Lawsine, Leo, McIver, and Taylor. 2,980,769.

McKaig Electronics, Inc.: *See*—
McKaig, Merle B. 2,989,594.

McKaig, Merle B., to McKaig Electronics, Inc. Magnetic tape recording and reproducing machine. 2,989,594, 6–20–61, Cl. 179—100.2.

McKay, Alexander S.: *See*—
Egan, Edmond F., Widmyer, and McKay. 3,010,023.

McKay, Alexander S., to Texaco Inc. Method and apparatus for measuring thickness. 2,967,937, 1–10–61, Cl. 250—83.1.

McKay, Alexander S., to Texaco Inc. Subsurface exploration. 2,993,119, 7–18–61, Cl. 250—43.5.

McKay, Alexander S., A. H. Lord, Jr., and R. W. Johnston, Jr., to Texaco Inc. Thickness measurement. 2,967,938, 1–10–61, Cl. 250—83.3.

McKay, Alexander S., and R. C. Reynolds, to Texaco Inc. Radioactivity well logging. 2,972,682, 2–21–61, Cl. 250—108.

McKay, Alexander S., and E. F. Egan, to Texaco Inc. Subsurface exploration. 2,996,615, 8–15–61, Cl. 250—43.5.

McKay, Alvin H. Bracket assembly. 3,005,615, 10–24–61, Cl. 248—265.
McKay, Arthur F.: *See*—
Garmaise, David L., Just, and McKay. 2,972,627.
McKay, Gavin D.: *See*—
Hughes, Patrick L., and McKay. 3,002,838.
McKay, Harry M., to Binkley Landing Gear Sales Co. Landing gear for trailers. 2,977,094, 3–28–61, Cl. 254—86.
McKay, Harry M., to Binkley Mfg. Co. Landing gear for trailer. 3,010,699, 11–28–61, Cl. 254—86.
McKay, Jonathan B.: *See*—
Hughes, Patrick L., and McKay. 3,002,838.
McKay Machine Co., The: *See*—
Barefoot, John R., and Goldner. 2,999,217.
Billetter, Halton A., and Stevens. 2,980,360.
Miller, John S. 2,974,548.
Nilsson, Einar W. 2,980,238.
Shenk, William E. 2,972,039.
Williams, Arthur L., and Bodenheim. 3,003,052.
McKay, Michael W., and A. M. Goldsmith, to General Precision Inc. Doppler navigation system. 2,994,866, 8–1–61, Cl. 343—9.
McKay, Raymond. Irrigation sprinkler attachment. 3,009,652, 11–21–61, Cl. 239—231.
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Wesley, Waclaw A., Knapp, and McKay. 3,009,236.
Wesley, Waclaw A., Knapp, and McKay. 3,009,238.
McKay, Victor E., deceased; Virginia McKay, administratrix. Safety device for motor vehicles. 2,972,134, 2–14–61, Cl. 340—261.
McKay, Virginia: *See*—
McKay, Victor E. 2,972,134.
McKay, William J. Cigarette holder. 2,998,014, 8–29–61, Cl. 131—258.
McKeag, Alfred H., and B. E. Hunt, to The General Electric Co. Ltd. Copper activated alkaline earth halo phosphate phosphors. 2,986,529, 5–30–61, Cl. 252—301.4.
McKeag, Malcolm F., to Revere Corp. of America. Material level detector. 2,976,763, 3–28–61, Cl. 88—14.
McKee, Abner S. Ice and snow removing machine. 2,995,841, 8–15–61, Cl. 37—12.
McKee, Albert E. Portable oxygen inhalator. 3,004,686, 10–17–61, Cl. 222—3.
McKee, Arthur G., & Co.: *See*—
Greaves, Melvin J. 2,979,235.
McKee, Charles W.: *See*—
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McKee, Dale W., to Clark Equipment Co. Freight handling means and method. 2,983,394, 5–9–61, Cl. 214—38.
McKee, Dale W., to Otis Elevator Co. Vehicular loader. 2,996,206, 8–15–61, Cl. 214—670.
McKee, Edward R.: *See*—
Kelly, Paul V., and McKee. 2,983,518.
McKee, Edward S., and E. L. Sturm, to Eastman Kodak Co. Photographic flash holder. 2,976,398, 3–21–61, Cl. 240—1.3.
McKee, John R., Jr. Composite sealing washer. 2,982,573, 5–2–61, Cl. 288—26.
McKee, Russell C. Corn harvesting machine. 2,972,848, 2–28–61, Cl. 56—16.
McKee, William H., to United-Carr Fastener Corp. Connector and snap-in contact therefor. 2,980,881, 4–18–61, Cl. 339—192.
McKee, William H., to United-Carr Fastener Corp. Snap-in socket contact. 2,995,724, 8–8–61, Cl. 339—217.
McKeen, Joseph E., to Micro-Vent, Inc. Apparatus for making perforated sheet material. 2,982,186, 5–2–61, Cl. 93—1.
McKeen, Joseph E. Welding apparatus and method. 2,985,743, 5–23–61, Cl. 219—78.
McKeever, Charles H.: *See*—
Freimiller, Louis R., and McKeever. 2,993,069.
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Lambert, Robert L., and McKelrnan. 2,974,364.
McKelvey, Harold E., to Pittsburgh Plate Glass Co. Method for bending glass sheets. 3,000,143, 9–19–61, Cl. 49—84.
McKelvey, Harold E., and R. L. Malobicky. Supporting glass sheets. 2,981,563, 4–25–61, Cl. 294—119.
McKelvy, William R., Jr.: *See*—
Goodwin, Chester H., and McKelvy. 2,986,778.
Goodwin, Chester H., and McKelvy. 2,990,584.
McKenna, Howard W., to General Motors Corp. Binary timer control. 3,011,122, 11–28–61, Cl. 324—68.
McKenney, Henry F.: *See*—
Newell, William H., McKenney, and Bennett. 3,006,551.
Newell, William H., McKenney, and Zabb. 3,002,691.
McKenney, Henry F., W. F. Weber, and J. P. Jagy, to Sperry-Rand Corp., Ford Instrument Co. Division. Phase rotation circuit. 2,968,759, 1–17–61, Cl. 323—36.
McKenney, Henry F., W. G. Stenzel, M. Lowenstein, and A. Richter, to Ford Instrument Co., Division of Sperry Rand Corp. Remote internal linear position indicator. 3,001,183, 9–19–61, Cl. 340—195.
McKenney, John D., to Clary Corp. Electromagnetically controllable fluid propellant type rocket motor system. 2,986,004, 5–30–61, Cl. 60—35.6.
McKenney, Vaughn G., to United States of America, Navy. Underwater sound transmitter. 2,981,927, 4–25–61, Cl. 340—2.
McKenzie, Herbert A.: *See*—
Stanley, Alan, and McKenzie. 3,000,704.
McKenzie, Herbert A., and A. Stanley, to American Cyanamid Co. Process for preparing anhydrite of improved whiteness from off-white gypsum. 2,999,007, 9–5–61, Cl. 23—122.
McKenzie & Holland (Australia) Pty. Ltd.: *See*—
Stewart, Frederic. 2,982,871.
McKenzie, Ross B. Moldboard plow frame construction. 2,979,140, 4–11–61, Cl. 172—676.
McKenzie, Theodore R., and W. W. Schulz, to United States of America, Atomic Energy Commission. Cesium recovery. 2,982,785, 5–2–61, Cl. 260—606.5.
McKenzie, William G., to Walker Mfg. Co. Foot operated mechanism. 3,003,365, 10-10-61, Cl. 74—542.
McKeough, Daniel H.: *See*—
Smith, Carl C., and McKeough. 2,997,563.
McKeown, Cornelius J., to United States of America, Army. Anchoring clamp. 2,968,853, 1–24–61, Cl. 24—263.
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McKey, Thomas J., to American Motors Corp. Control mechanism for reclining seat back. 2,972,374, 2–21–61, Cl. 155—160.
McKibbin, John T., and W. Larkin, to Singer-Fidelity, Inc. Electronic control circuits for knitting machines. 2,966,783, 1–3–61, Cl. 66—56.
McKiernan-Terry Corp.: *See*—
Frederick, Leonard L. 2,990,023.
Kupka, John J. 2,972,872.
Larsen, Waldemar F., and Frederick. 2,998,856.
McKim, Burton, Bell Telephone Laboratories, Inc. Dial telephone office arranged for register-sender control of two-motion step-by-step switches having multilevel trunk groups. 2,986,604, 5–30–61, Cl. 179—18.
McKim, Jack W.: *See*—
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McKimm, William W.: *See*—
Coons, William C., McKimm, and Pease. 2,984,951.
McKinley, Clarence H.: *See*—
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McKinley, Clyde: *See*—
Schilling, Clarence J., and McKinley. 2,968,160.
McKinley, Clyde, to Air Products and Chemicals, Inc. Method of operating motors. 3,009,316, 11–21–61, Cl. 60—35.4.
McKinley, David L., to Union Carbide Corp. Fluidized solids contacting system. 2,985,515, 5–23–61, Cl. 23—284.
McKinley, Donald W. R.: *See*—
Kusters, Norbert L., McKinley, and Morse. 2,999,231.
McKinley, Howard C., to Midwest Homes, Inc. Composite house and method of manufacture. 2,990,588, 7–4–61, Cl. 20—2.
McKinley, John K.: *See*—
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McKinley, John K., B. F. Smith, S. P. Dickens, and W. P. Ballard, to Texaco Inc. Hydrocarbon conversion process. 2,998,379, 8–29–61, Cl. 208—70.
McKinley, John L., and D. O. Ballinger. Economic power generation assignment devices. 3,001,714, 9–26–61, Cl. 235—184.
McKinley, Joseph R.: *See*—
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McKinley, Paul G., to Pagebar, Inc. Table saw for cutting truss members. 2,983,289, 5–9–61, Cl. 143—47.
McKinley, Paul G., to Pagebar, Inc. Clamp table for fabricating a roof truss. 2,983,292, 5–9–61, Cl. 144—288.
McKinley, Paul G., to Pagebar, Inc. Wooden joint coupling including nail clinching means. 2,988,854, 6–20–61, Cl. 50—55.
McKinley, Paul G., to Pagebar, Inc. Apparatus for laying out members in a roof truss. 3,010,209, 11–28–61, Cl. 33—90.
McKinley, Robert W., and J. H. Ernstes, to The Ashley Machine Co. Feather picking machine. 2,991,497, 7–11–61, Cl. 17—11.1.
McKinley, Walter E. Reinforced carton and method of making same. 3,014,413, 12–26–61, Cl. 93—36.
McKinney, Carlos J., to The General Tire & Rubber Co. Window pane guide. 3,005,658, 10–24–61, Cl. 296—44.5.
McKinney, Charles R., and L. T. Silver, to California Institute Research Foundation. Sample splitter. 3,000,217, 9–19–61, Cl. 73—421.
McKinney, Dickson S., and G. D. Mylchreest. Explosive streamer. 2,971,490, 2–14–61, Cl. 114—240.
McKinney, James C.: *See*—
Carlin, Raymond W., and McKinney. 2,973,893.
McKinney, James H. Boat propulsion, steering, and reversing means. 2,993,463, 7–25–61, Cl. 115—16.
McKinney, John R. Relay switch. 2,973,417, 2–28–61, Cl. 200—112.
McKinney, Lloyd B.: *See*—
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Hollansworth, McFerrell. 2,967,322.
Hollansworth, McFerrell. 2,987,756.
Hollansworth, McFerrell. 3,002,218.
Richards, Joseph W. 2,994,099.
McKinney, William E. Releasing device for snagged fishing lines. 2,979,847, 4–18–61, Cl. 43—17.2.
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Schaeffer, William D., and McKinnis. 2,988,576.
McKinnis, Art C., to Union Oil Co. of California. Purification of benzene polycarboxylic acids. 2,998,431, 8–29–61, Cl. 260—346.3.

McKinnis, Art C., to Collier Carbon and Chemical Corp. Nitration of olefins in the presence of aromatic solvents. 2,999,119, 9–5–61, Cl. 260—644.

McKinon, Roy A.: *See*—
Freche, John C., McKinnon, and Braschwitz. 2,974,925.

McKinstry, William S. Cleaning apparatus. 3,002,209, 10–3–61, Cl. 15—1.

McKissick, Charles C., deceased; M. E. McKissick, administratrix. Pogo monocycles. 2,971,778, 2–14–61, Cl. 280—205.

McKissick, Maude E.: *See*—
McKissick, Charles C. 2,971,773.

McKinzie, Joseph S.: *See*—
Maudlin, Wendell E., and McKinzie. 2,993,106.

McKnight, David: *See*—
Striplin, Marcus M., Jr., McKnight, and Marks. 2,999,010.

McKnight, Davis, F. P. Achorn, and R. S. Meline, to Tennessee Valley Authority. Nitric phosphate process. 3,005,697, 10–24–61, Cl. 71—64.

McKnight, George P., to Speer Carbon Co., Inc. Resistors and method of manufacture. 3,013,240, 12–12–61, Cl. 338—331.

McKnight, John T., to J. N. Allen, III. Soap dish. 2,973,601, 3–7–61, Cl. 45—28.

McKnight, Robert J.: *See*—
Poel, Norman C., Baxter, and McKnight. 3,000,489.

McKnight, Robert J., and E. W. Swezey, to The Rapids-Standard Co., Inc. Spring biased belt support. 2,985,278, 5–23–61, Cl. 198—160.

McKnight, Stewart, to Mohasco Industries, Inc. Pile carpets. 2,967,549, 1–10–61, Cl. 139—402.

McKnight, Thomas J.: *See*—
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McKnight, William B., N. J. Mangus, Jr., and D. E. Holter, to United States of America, Army. Positive-negative radiation detector. 3,009,065, 11–14–61, Cl. 250—233.

McKowen, Kenneth R., and C. R. Reiss, to The Realistic Co. Curling rod. 2,985,176, 5–23–61, Cl. 132—42.

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Dickinson, Clifford L., Jr., and McKusick. 2,998,426.

McKusick, Blaine C., and J. C. Sauer, to E. I. du Pont de Nemours and Co. Irradiation synthesis of sulfonyl vinylamines. 2,988,493, 6–13–61, Cl. 204—154.

McLafferty, George H., to United Aircraft Corp. Control system for air inlet bypass. 2,971,328, 2–14–61, Cl. 60—35.6.

McLamb, Floyd D. J.: *See*—
Scharla-Nielsen, Hans, McRae, and McLamb. 2,981,896.

McLamore, John T., and R. Trachtenberg, to United States of America, Navy. Pulse-echo distance indicator. 2,986,730, 5–30–61, Cl. 343—13.

McLamore, William M.: *See*—
Lombardino, Joseph G., McLamore, and Laubach. 2,985,649.

McLamore, William M., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Substituted styryl, and thienylethenyl, pyridylethenyl sulfonylureas and method of treating diabetes. 2,979,437, 4–11–61, Cl. 167—65.

McLamore, William M., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Process for the production of sulfonylureas. 3,005,022, 10–17–61, Cl. 260—553.

McLamore, William M., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Novel process for the production of sulfonylureas. 3,013,072, 12–12–61, Cl. 260—553.

McLanahan Products, Inc.: *See*—
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McLanahan, Robert J., to McLanahan Products, Inc. Flush valve assembly. 3,003,741, 10–10–61, Cl. 251—26.

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Melander, Leonard W., McLane, and Sutherland. 2,992,089.

McLane, Stanley R., J. R. Bishop, and H. P. Raman, to Amchem Products, Inc. 3-amino-2,5-dichlorobenzoates. 3,014,063, 12–19–61, Cl. 260—471.

McLaren, Cornelius F., Jr., to Jersey Production Research Co. Orientation of perforating guns in wells. 3,012,608, 12–12–61, Cl. 166—55.

McLaren, David J., and R. J. Soucie, to A. O. Smith Corp. Water heater fitting for delivering two temperatures of heated water. 2,971,532, 2–14–61, Cl. 137—592.

McLarty, Gordon. Draft inducing fan. 2,984,407, 5–16–61, Cl. 230—114.

McLaughlin, Donald J., and F. R. Fluhr, to United States of America, Navy. Two way stepping servomotor control circuit. 3,010,059, 11–21–61, Cl. 318—21.

McLaughlin, Edgar H., to United States of America, Navy. Electronic circuit component holder. 2,994,806, 8–1–61, Cl. 317—99.

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McLaughlin, George H., A. Stevens, and J. A. Charuba, to Dominion Aerotronics Ltd. Airborne electromagnetic prospecting apparatus. 3,014,176, 12–19–61, Cl. 324—4.

McLaughlin, George H., H. A. Harvey, W. O. Cartier, and W. A. Robinson, to Nucom Ltd. Method and means of prospecting for electrically conducting bodies. 3,015,060, 12–26–61, Cl. 324—4.

McLaughlin, John A., to International Business Machines Corp. Code converter. 2,973,511, 2–28–61, Cl. 340—347.

McLaughlin, Leonard T., and B. R. Burks, to Eastman Kodak Co. Spot prevention in photographic emulsions and colloid layers. 3,003,877, 10–10–61, Cl. 96—94.

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McLaughlin, Thomas, A. G. Merlin, A. W. Belshline, and W. Bergherr, to Loral Electronics Corp. Aircraft flight path recording device. 2,977,177, 3–28–61, Cl. 346—8.

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McLaughlin, William J. Arch support means. 2,990,629, 7–4–61, Cl. 36—71.

McLean, Bob N., to Santa Barbara Research Center. Method of production of lead selenide photodetector cells. 2,997,409, 8–22–61, Cl. 117—201.

McLean Development Laboratories, Inc.: *See*—
Flomenhoft, Hubert I. 2,994,496.

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McLean, Edward S., to Speakman Co. Emergency shower head. 3,008,652, 11–14–61, Cl. 239—439.

McLean, Edward S. Automatic self-cleaning shower head. 3,013,729, 12–19–61, Cl. 239—109.

McLean, Edward S., and J. Fraser, to Speakman Co. Aerator with flow control device. 3,014,667, 12–26–61, Cl. 239—427.

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McLean, James, to Garden City Plating & Mfg. Co. Detachable hanger for supporting panels. 2,979,866, 4–18–61, Cl. 50—405.

McLean, John B., to United States of America, Air Force. Color and intensity light modulator. 3,014,091, 12–19–61, Cl. 178—7.86.

McLean, John O., and R. H. Hendrick, to Reynolds Metals Co. Piston. 2,983,563, 5–9–61, Cl. 309—4.

McLean, John O., and R. H. Hendrick, to Reynolds Metals Co. Protective system. 2,983,564, 5–9–61, Cl. 309—4.

McLean, Malcom P., and R. H. Macy, to McLean Industries Inc. Apparatus for offshore recovery and storage of oil and the like. 2,973,046, 2–28–61, Cl. 175—8.

McLean, Murray G., to Jabsco Pump Co. Pump with floating end plates. 2,971,469, 2–14–61, Cl. 103—117.

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McLean, Robert E., to J. C. Hockery, trustee for H. J. and F. L. Talge. Can opener escapement. 3,010,203, 11–28–61, Cl. 30—9.

McLean, Ronald L., to Lord Mfg. Co. Rock drill collar. 2,997,024, 8–22–61, Cl. 121—32.

McLean, William B.: *See*—
Rabinow, Jacob, and McLean. 2,985,105.

McLean, William B., to United States of America, War. Self destruction switch. 2,974,598, 3–14–61, Cl. 102—70.2.

McLean, William B., S. R. Crockett, H. A. Montank, and M. Kamimoto, Propellant servo and power supply for missile guidance. 3,001,474, 9–26–61, Cl. 102—50.

McLellan, Jack H., to H. J. Baker & Bro. Compacted sewage sludge. 2,977,214, 3–28–61, Cl. 71—64.

McLellan, William H. Linearization of lateral photocells. 3,013,158, 12–12–61, Cl. 250—211.

McLeod, Bruce A., to Bell Telephone Laboratories, Inc. Random signal generator. 2,974,198, 3–7–61, Cl. 179—1.

McLeod, Clarion B., to Smith and McLeod Dental Laboratories. Intra-oral tracer having a scriber for indicating vertical position of dentures. 2,994,957, 8–8–61, Cl. 32—19.

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McLeod, Norman F., to Phillips Petroleum Co. Olefin polymer recovery process. 2,982,763, 5–2–61, Cl. 260—94.9.

McLeod, Norman F., to Phillips Petroleum Co. Process and apparatus for removal of reactant material from a polymerization pressure vessel. 3,001,978, 9–26–61, Cl. 260—94.9.

McLeod, Stewart B., to Dura Corp. Cylinder and valve assembly. 2,987,049, 6–6–61, Cl. 121—44.

McLeod, Thomas S., C. M. Deavin, and G. Cole, to The Plessey Co. Ltd. Automatic sorting devices. 2,969,875, 1–31–61, Cl. 209—81.

McLeod, Willard W., Jr., to Raytheon Co. Ferrite modulators. 2,975,379, 3–14–61, Cl. 332—51.

McLerran, Archie R., to Dresser Industries, Inc. Kelly drive bushing. 2,970,458, 2–7–61, Cl. 64—23.7.

McLoughlin, Joseph R., to General Electric Co. Mixed catalysts for curing silicone resins. 2,970,122, 1–31–61, Cl. 260—18.

McLoughlin, Joseph R., to General Electric Co. Organopolysiloxane resins. 2,986,548, 5–30–61, Cl. 260—45.85.
McLoughlin, Joseph R., to General Electric Co. Organopolysiloxane resins. 2,986,549, 5–30–61, Cl. 260—45.85.
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McMahan, Walter C. 3,002,800.
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McMahon, John F., Jr., F. K. Clarke, and H. K. Isbler, to Philco Corp. Semiconductor fabrication. 2,985,806, 5–23–61, Cl. 317—235.
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McMahon, Thomas J., to Milton Bradley Co. Education device for teaching decimals and fractions. 2,989,811, 6–27–61, Cl. 35—74.
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McMaster, Archie J., W. G. Lieberman, and E. O. Stastny, to G-M Laboratories Inc. Process for manufacturing small motors. 2,967,346, 1–10–61, Cl. 29—155.5.
McMaster, Archie J., and K. Maiershofer, to G-M Laboratories, Inc. Automatic slide-projector. 3,007,370, 11–7–61, Cl. 88—26.
McMaster, Elmer L., to The Dow Chemical Co. Insoluble resinous copolymers of (chloromethyl) styrene and polyvinyl aromatic hydrocarbons and nitrogen-containing derivatives of the copolymers. 2,992,544, 7–18–61, Cl. 260—2.1.
McMaster, Elmer L., and W. K. Gleqner, to The Dow Chemical Co. Vinylbenzyl dialkyl phosphonates and preparation thereof. 2,980,721, 4–18–61, Cl. 260—461.
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Williams, Barney W., Smith, and McMichael. 2,996,370.
McMichael, Wallace T., to Phillips Petroleum Co. Perforation bonding of booster propellant. 2,985,055, 5–23–61, Cl. 86—1.
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McMillan, Cyril J., to Cromac Proprietary Ltd. Wet sleeve I. C. engines. 2,986,130, 5–30–61, Cl. 123—41.72.
McMillan, Edward B. Dielectric bodies for transmission of electromagnetic waves. 2,985,880, 5–23–61, Cl. 343—910.
McMillan, Edward B., and D. F. Straubel. Method for generating jet power through sulfide reaction. 2,996,877, 8–22–61, Cl. 60—35.4.
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McMullen, Bryce H., and R. D. Toomey, to National Lead Co. Process for recovering acid from waste acid liquors. 2,982,615, 5–2–61, Cl. 23—172.
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McMullin, Harold B. Opening closure means. 2,994,117, 8–1–61, Cl. 24—201.
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McNamara, Ambrose J., to I. Constant. Cloth article having concealed slide fastener. 3,002,244, 10–3–61, Cl. 24—205.1.
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McNaney, Joseph T., to General Dynamics Corp. Apparatus for generating electrostatic images. 3,007,049, 10–31–61, Cl. 250—49.5.

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Soderquist, Leslie E. 2,997,740.
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McNicoll, David, to British Timken Ltd. Axle-boxes. 2,981,574, 4–25–61, Cl. 308—180.

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McPherson, Roland A., Jr.: *See*—
Conklin, Lewis H., and McPherson. 2,978,515.

McPhilben Mfg. Co., Inc.: *See*—
Endelson, Jack. 2,994,148.
Endelson, Jack. 2,994,149.
Endelson, Jack. 3,014,126.

McProud, Charles G. Reel storing device. 2,992,053, 7–11–61, Cl. 312—20.

McQuaid, Frances S.: *See*—
Stringer, Richard F., Kimberlin, and McQuaid. 2,971,035.

McQuain, David B.: *See*—
Berman, Elliot, and McQuain. 2,978,462.

McQuat, George D. Exhaust operated cleaning device. 2,984,419, 5–16–61, Cl. 239—129.

McQuay-Norris Mfg. Co.: *See*—
Mayfield, George C. 3,004,811.

McQueen, Franklin F., E. S. Morrissette, and E. R. Hoke. Machine for facilitating sorting or sizing of commodities, such as poultry, according to weight. 2,981,412, 4–25–61. Cl. 209—121.

McQuilkin, Robert J.: *See*—
Lowrey, Wallace W., Cendrick, McQuilkin, and Klopp. 2,973,042.

McQuillan, Marion K., and J. Reynolds, to Imperial Chemical Industries Ltd. Heat-treatment of titanium-copper alloys. 2,977,261, 3–28–61, Cl. 148—12.7.

McQuillan, Marion K., and E. W. Evans, to Imperial Chemical Industries Ltd. Method of heat treating a Ti-Be alloy. 3,007,824, 11–7–61, Cl. 148—133.

McQuistan, Richmond B., to International Telephone and Telegraph Corp. Photocells. 2,987,686, 6–6–61, Cl. 338—18.

McQuiston, Horace L.: *See*—
McQuiston, Horace L., and Taylor. 2,978,828.

McQuiston, Horace L., deceased (Horace Leman McQuiston, executor), and F. E. Taylor. Signalling device. 2,978,828, 4–11–61, Cl. 43—17.

McRae, Daniel D.: *See*—
Scharla-Nielsen, Hans, McRae, and McLamb. 2,981,896.

McRae, Dougal H.: *See*—
Lyon, Channing B., and McRae. 2,974,444.

McRae, Dougal H., to Rohm & Haas Co. Regulating plant growth. 2,994,599, 8–1–61, Cl. 71—2.7.

McRae, Duncan G. Universal-headed hammer. 2,981,177, 4–25–61, Cl. 101—28.

McRae, John L., and J. P. Wislocki. Kneader compactor. 2,972,249, 2–21–61, Cl. 73—88.

McRae, Mary A.: *See*—
Martin, Fred P. 2,982,080.

McRoberts, Roscoe. Pre-spotting machine. 2,967,670, 1–10–61, Cl. 239—353.

McShane, Herbert F., Jr.: *See*—
Bell, Richard W., Csendes, and McShane. 2,999,840.

McShane, Thomas L. Shuffleboard disc waxing device. 2,998,251, 8–29–61, Cl. 273—128.

McSharry, James J.: *See*—
Hansley, Virgil L., Schott, and McSharry. 3,004,848.

McSheehy, Justin A.: *See*—
Roberts, George L., Jr., McSheehy, and Soffer. 2,975,190.

McSpadden, Joseph W., ¼ to A. C. Melton, ¼ to L. D. Lane, and ¼ to R. S. Gentry. Attachment for buildozers. 2,992,499, 7–18–61, Cl. 37—145.

McVey, Clarence H., to Scott & Williams, Inc. Twist drill sharpening machine and method. 2,974,450, 3–14–61, Cl. 51—219.

McVey, Eugene S.: *See*—
Johnson, Lee C., and McVey. 2,968,769.

McVey, Eugene S., to United States of America, Navy. Radar range search and lock-on circuit. 2,982,886, 5–2–61, Cl. 317—148.5.

McVey, Eugene S. Semiconductor ramp function generator. 3,011,068 11–28–61, Cl. 307—88.5.

McVicker, Carl L., and W. J. Taylor, to Chromium Mining & Smelting Corp., Ltd. Process of producing chromium steel. 2,991,174, 7–4–61, Cl. 75—60.

McVicker, Robert F., and O. Hansen, Jr., to Lynch Corp. Vacuum card feeder. 3,005,631, 10–24–61, Cl. 271—27.

McVicker, Robert F., to Lynch Corp. Code dater. 2,977,877, 4–4–61, Cl. 101—377.

McVoy, Charles F., Jr., to General Electric Co. Coil winding machine. 2,997,076, 8–22–61, Cl. 140—1.

McWherter, Miles C. Hanger board. 3,014,597, 12–26–61, Cl. 211—175.

McWhirter, Eric M. S., to International Standard Electric Corp. Document carrier for mechanized processing. 2,970,757, 2–7–61, Cl. 235—61.12.

McWilliams, Charles S.: *See*—
Matz, Samuel A., Miller, and McWilliams. 2,969,289.

McWilliams, Charles W., and P. A. Noxon, to The Bendix Corp. Vertical gyro monitor system. 2,987,274, 6–6–61, Cl. 244—77.

McWilliams, Joseph A., to United Kingdom Atomic Energy Authority. Packing for vapour-liquid contacting systems. 3,010,706, 11–28–61, Cl. 261—100.

McWithey, Ernest N., to Herman Pneumatic Machine Co. Foundry mold squeezing apparatus. 2,968,073, 1–17–61, Cl. 22—42.

Meacham, Glenn R.: *See*—
Cope, Le Roy C., Nelson, and Meacham. 2,969,735.

Meacham, John W., to General Electric Co. Plug-in busway. 3,015,082, 12–26–61, Cl. 339—22.

Meacham, Larned A., to Bell Telephone Laboratories, Inc. Telephone signaling apparatus. 2,986,603, 5–30–61, Cl. 179—17.

Mead, Carver A., to Moisture Register Co. Moisture testing instrument. 2,984,784, 5–16–61, Cl. 324—65.

Mead Corp., The: *See*—
Ahlm, Carl E., Jr., and Brookbank. 3,001,887.
Forrer, Homer W. 2,986,271.
Forrer, Homer W. 2,990,947.
Forrer, Homer W. 3,006,530.
Forrer, Homer W. 3,010,638.
Forrer, Homer W., and Wood. 2,967,003
Gentry, Hermond G. 2,973,201.
Gentry, Hermond G. 2,981,042.
Gentry, Hermond G. 2,996,169.
Keith, Clifford H. 2,969,903.
Keith, Clifford H. 3,006,523.
Leibreich, Norman A. 2,966,833.
Pierce, Samuel W. 3,014,415.
Shiels, Robert A. 2,982,419.

Mead, Harold G., to Leeds and Northrop Co. Fast acting totally expendable immersion thermocouple. 2,999,121, 9–5–61, Cl. 136—4.
Mead, Harry A., and L. Slagel, to National Agricultural Supply Co. Bag for sampling milk and the like. 2,973,131, 2–28–61, Cl. 229—66.
Mead, Harry A., and L. Slagel, to Dairy Containers, Inc. Bag for milk and the like. 2,990,101, 6–27–61, Cl. 229—53.
Mead, Harry A.: *See*—
Slagel, Lamont, and Mead. 2,999,533.
Mead, Henry L.: *See*—
Armentrout, Edward L. 3,003,278.
Mead Johnson & Co.: *See*—
Campbell, Kenneth N., Bivard, and Feldkamp. 2,992,231.
Dailey, Donald E. 3,013,436.
Feldkamp, Rolland F., Coates, and Corrigan. 3,006,925.
Wu, Yao H. 2,975,191.
Mead, Theodore E. Work feeding device. 2,968,973, 1–24–61, Cl. 74—822.
Mead, Theodore E. Pressure fluid control device. 2,976,961, 3–28–61, Cl. 188—97.
Mead, Theodore E. Muffler. 3,009,531, 11–21–61, Cl. 181—60.
Meade Corp., The: *See*—
Leibreich, Norman A. 3,012,483.
Meade, Leonard P., to Phillips Petroleum Co. Method of sealing off flow from underground storage cavern and apparatus. 2,971,344, 2–14–61, Cl. 62—48.
Meade, Leonard P., to Phillips Petroleum Co. System for refrigerated LPG storage. 2,976,695, 3–28–61, Cl. 62—54.
Meade, Lynn C.: *See*—
Bertell, Paul, and Meade. 2,989,897.
Meade, Lynn C., and W. Gray, Jr., to Standard Mirror Co., Inc. Remote controlled rear-vision mirror allowing accurate aiming. 3,005,385, 10–24–61, Cl. 88—98.
Meade, Robert M., to International Business Machines Corp. Direct coupled transistor logic using commoned emitters and complementary logic blocks. 3,005,112, 10–17–61, Cl. 307—88.5.
Meader, Maurice D.: *See*—
Farkas, Thomas P., Zuiderhoek, and Meader. 2,977,051.
Meador, Jay D., to General Motors Corp. Thermocouple design. 3,011,004, 11–28–61, Cl. 136—4.
Meadors, Victor G.: *See*—
Freeman, William A., and Meadors. 3,003,555.
Meadow, Jacob R.: *See*—
Geschickter, Charles F., and Meadow. 3,001,999.
Meadowcroft, George R., and A. A. Wallace, to FMC Corp. Orchard sprayer. 3,009,644, 11–21–61, Cl. 239—78.
Meadows, Harley R., to International Telephone and Telegraph Corp. Interference detecting circuit. 2,972,677, 2–21–61, Cl. 250—20.
Meadows, Stanley R., C. H. Lewis, Jr., and C. E. Pearson, to Sarkes Tarzian, Inc. Television tuner. 2,995,655, 8–8–61, Cl. 250—40.
Meadows, Stanley R., and A. A. Valdettaro, to Sarkes Tarzian, Inc. Television tuner. 3,013,231, 12–12–61, Cl. 334—58.
Meadox Medicals, Inc.: *See*—
Liebig, William J. 2,978,787.
Meagher, George L., to General Electric Co. Cooling arrangement for hermetically sealed refrigerant compressor. 2,979,917, 4–18–61, Cl. 62—196.
Meaker, Archibald G. and S. B. Laterally expansible chassis construction for house trailers. 2,987,342, 6–6–61, Cl. 296—23.
Meaker Co., The: *See*—
Finston, Victor. 2,989,060.
Finston, Victor. 2,997,191.
Meaker, Stanley B.: *See*—
Meaker, Archibald G. and S. B. 2,987,342.
Meakin, Edgar N. Method of extruding material which is adversely affected by heat. 2,974,371, 3–14–61, Cl. 18—55.
Meakin, Edgar N. Horizontal cooler. 2,982,029, 5–2–61, Cl. 34—85.
Meakin, Edgar N. Contamination free extrusion mill. 3,010,150, 11–28–61, Cl. 18—12.
Mealpack Corp.: *See*—
Clarke, Houghton W. 2,978,109.
Clarke, Houghton W., and Wymbs. 2,990,287.
Means, David A. Positive displacement metering pump. 2,989,957, 6–27–61, Cl. 123—139.
Means, F. W., & Co.: *See*—
Lash, Eugene C., and McClain. 2,971,660.
Means, Herbert E., to United Aircraft Corp. Liquid-metal pump seal. 2,992,618, 7–18–61, Cl. 103—103.
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Zackheim, Eli A., Meares, and Hanlon. 2,967,651.
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Mattin, Harry E., and Greenstein. 2,988,485.
Robison, Robert S., and Nickerson. 2,988,488.
Mears, Fred W., Heel Co., Inc.: *See*—
Joiner, Edgar E. 2,984,271.
Joiner, Edgar E., and Szumski. 2,968,106.
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Kerns, Fred R., and Mease. 3,005,535.
Meat Packers Equipment Co.: *See*—
Hawley, Richard A. 3,000,373.
Rasmussen, Harvey R. and H. J. 3,001,879.
Rasmussen, Harvey R. and H. J. 3,009,457.
Mecanique et Plastique S.A.: *See*—
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Mecca Film Laboratories Inc.: *See*—
Welch, Earl M. 2,999,421.
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Mechanex Corp.: *See*—
Ransom, John E. 2,984,283.
Mechanical Equipment Co., Inc.: *See*—
Wason, Wallace E. 2,978,992.
Mechanical Finishing Co., Inc., The: *See*—
Harper, John F. 3,013,365.
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Bishop, Leonard J., and Gottschalk. 2,982,228.
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Barrett, Martin P. 3,012,119.
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Ingwersen, Richard C. 2,968,709.
Ingwersen, Richard C. 2,978,557.
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Meckbach, Heinrich: *See*—
Nischk, Gunther, Bayer, Holtschmidt, and Meckbach. 2,984,643.
Meckler, Gershon. Perimeter heat transfer system for buildings. 3,013,397, 12–19–61, Cl. 62—3.
Meckler, Joseph G. Paint reclaiming. 2,968,638, 1–17–61, Cl. 260—21.
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Tucker, John T., and Eubanks. 3,011,808.
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Cole, Robert M., and Mecorney. 2,981,753.
Mecorney, John W., and E. R. White, to Shell Oil Co. Process for preparing beta-aliphaticoxy-propionaldehydes. 2,967,890, 1–10–61, Cl. 260—602.
Mecorney, John W., G. W. Gaertner, and A. S. Lehmann, to Shell Oil Co. Production of hydrogen peroxide. 3,003,853, 10–10–61, Cl. 23—207.
Medal, Leon E., and H. F. Forbes. Method for forming wall board panels. 3,004,261, 10–17–61, Cl. 1—60.
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Murphy, Raymond J. 2,968,842.
Murphy, Raymond J. 2,990,587.
Medcalf, Eugene C.: *See*—
Thelin, Jack H., Vriens, and Medcalf. 2,985,687.
Meddick, John W., to Weather-Seal, Inc. Hinge with arcuate plastic hinge connector. 2,968,829, 1–24–61, Cl. 16—136.
Meddick, Lorrain D., to Borg-Warner Corp. Debris-free perforating gun. 2,986,089, 5–30–61, Cl. 102—20.
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Gerstenberg, Helmut, Grunewald, Medem, and Lademann. 3,007,891.
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Meder, Adrianus J. W., and N. G. Kramer, to Shell Oil Co. Vinyl chloride compositions having improved impact strength. 2,970,979, 2–7–61, Cl. 260—45.5.
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Littman, Maxwell L., and Skeist. 3,010,880.
Mediano Capdevila, Gonzalo. Revolving last carrier head for footwear vulcanizing machines. 2,974,365, 3–14–61, Cl. 18—17.
Medical College of Virginia Foundation, Inc.: *See*—
Hoch, Hans, and Williams. 2,985,587.
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Buschers, Herbert H., Medina, and Wilson. 2,979,991.
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Godshalk, James B., and Medlar. 2,979,650.
Medlar, Lewis A., to Fox Products Co. Battery charge maintaining apparatus. 2,977,525, 3–28–61, Cl. 320—19.
Medler, Lewis A., to Fox Products Co. Electrical control systems. 2,978,633, 4–4–61, Cl. 323—89.
Medlar, Lewis A., to Fox Products Co. Battery charging apparatus. 2,980,842, 4–18–61, Cl. 321—27.
Medlar, Lewis A., to Fox Products Co. Battery chargers with timing means. 2,987,663, 6–6–61, Cl. 320—38.
Medlar, Lewis A., to Fox Products Co. Transformer apparatus. 2,999,973, 9–12–61, Cl. 323—60.
Medlin, Glenn D. Sheath cutting tool for working sheath covered cables. 3,014,387, 12–26–61, Cl. 81—9.5.
Medlock, John P.: *See*—
Mauldin, John H., and Medlock. 2,967,696.
Medlock, Leslie E.: *See*—
Brimley, Kenneth J., and Medlock. 2,993,236.

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Medor, Joseph R. Baby bottle holder. 3,003,727. 10–10–61, Cl. 248—104.
Medved, David B., to General Dynamics Corp. Scanning antenna using magnetically-controlled internal ferrite wave refraction. 2,973,516, 2–28–61, Cl. 343—783.
Medwid, Sylvester. Vacuum sealed jar top remover. 2,992,575, 7–18–61, Cl. 81—3.46.
Mee, Francis H. A.: *See*—
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Mee, Francis H. A., and A. B. Barnes, to The De Havilland Aircraft of Canada, Ltd. Vibrator motor. 3,010,439, 11–28–61, Cl. 121—123.
Meeder, Raymond L.: *See*—
Shevick, Philip, Meeder, and Rappa. 2,998,527.
Meehan, Gerard F.: *See*—
Delagrange, Carl R., and Meehan. 2,973,993.
Meehan, James H.: *See*—
Moser, Frank T. 2,978,996.
Meek, Cicero P., and S. P. Wall, Jr. Mouth gag. 2,969,059, 1–24–61, Cl. 128—12.
Meeker, Daniel M., to The Toledo Porcelain Enamel Products Co. Method and apparatus for porcelain enameling. 2,996,407, 8–15–61, Cl. 117—66.
Meeker, David A., and R. S. Hartley, to The Hobart Mfg. Co. Food processing machine. 3,014,515, 12–26–61, Cl. 146—182.
Meeker, Leonard N.: *See*—
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Meeker, Robert E., and D. B. Luten, Jr., to Shell Oil Co. Hydrogen peroxide purification. 3,012,860, 12–12–61, Cl. 23—207.
Meeker, William H., and D. R. Salter, to Hickok Mfg. Co. Inc. Display holder for belts. 2,985,346, 5–23–61, Cl. 223—85.
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Meermans, John W., to The Garrett Corp. Shaft seal. 3,004,782, 10–17–61, Cl. 286—5.
Meese, Clarence E. and R. R., 12½% to N. M. Streb and 12½% to J. M. Streb. Hose clamp. 3,008,206, 11–14–61, Cl. 24—27.
Meese, Kenneth J.: *See*—
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Lackey, Robert S., Wright, and Meess. 2,978,875.
Meess, Jack D., and E. W. Frantti, to Westinghouse Electric Corp. Control apparatus and method for heat pumps. 2,998,707, 9–5–61, Cl. 62—3.
Meewezen, Willem D., to North American Philips Co., Inc. Trigger circuit arrangement. 2,979,672, 4–11–61, Cl. 331—145.
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Caron, Charles. 3,005,137.
Casas-Robert, Ramon, Court, and Gianinazzi. 2,979,002.
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McCombie, Frederick W. 2,990,110.
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Mehaffey, Robert J., to Colgate-Palmolive Co. Liquid composition containing discrete gaseous bodies. 3,011,950, 12–5–61, Cl. 167—85.
Mehalick, John R., to Carrier Corp. Reverse cycle refrigerant flow control means. 3,008,334, 10–10–61, Cl. 62—324.
Mehan, Laura M.: *See*—
Mehan, Thomas O., and Hoffman. 3,013,717.
Mehan, Thomas O., deceased (L. M. Mehan, executrix), and R. C. Hoffman, to Victor Adding Machine Co. Electromechanical controls for calculating machines. 3,013,717, 12–19–61, Cl. 235—60.
Mehl, Ross M., to Ekco Products Co. Clothes drying unit. 2,989,267, 6–20–61, Cl. 242—100.1.
Mehl, Ross M. Nursing unit. 2,982,432, 5–2–61, Cl. 215—11.
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Mehlhope, Kenneth D., and A. H. Faulhaber, to The Cincinnati Milling Machine Co. Size gauging device. 2,969,623, 1–31–61, Cl. 51—103.
Mehlhorn, Carl E., and F. B. Roberts, to Package Machinery Co. Gum wrapping machine. 2,968,139, 1–17–61, Cl. 53—223.
Mehlitz, Dieter, to Daimler-Benz Aktiengesellschaft. Speed-responsive coupling. 3,008,313, 11–14–61, Cl. 64—25.
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Mehltretter, Charles L., to United States of America, Agriculture. Method of obtaining substantially pure glucuronic acid lactone. 3,012,041, 12–5–61, Cl. 260—343.6.
Mehltretter, Charles L., and C. S. Wise, to United States of America, Agriculture. Process for separation of sodium metaperiodate from sodium sulfate. 2,989,371, 6–20–61, Cl. 23—85.
Mehm, Joseph A.: *See*—
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Meier, Charles A. Rotary drill apparatus. 2,984,310, 5–16–61, Cl. 175—98.
Meier, Claude, to Brevets Aero-Mecaniques S.A. Rockets carried in clusters by a launching machine and in particular by an aircraft. 2,968,222, 1–17–61, Cl. 89—1.7.
Meier, Edwin H., J. J. Roark, J. D. Skelton, and G. M. Webster, to Jersey Production Research Co. Variable density seismic section printer. 3,012,474, 12–12–61, Cl. 88—24.
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Kloote, George E., Potchen, and Meier. 3,003,810.
Meier, Gerhard, and A. Striegler, to VEB Leuna-Werke "Walter Ulbricht." Process for the preparation of dry oximes. 3,002,996, 10–3–61, Cl. 260—566.
Meier, Ghert H., to Contraves A.G. Gyroscopic device. 2,985,022, 5–23–61, Cl. 74—5.7.
Meier, Ghert H., to Contraves A.G. Damping device. 2,998,868. 9–5–61, Cl. 188—90.
Meier, Günther, to Gritzner-Kayser A.G. Housing assembly for sewing machines. 2,987,021, 6–6–61, Cl. 112—258.
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Meier, Johann, to E. Mettler. Balance. 3,004,618, 10–17–61, Cl. 177—248.
Meier, John M. Manually operated snow plow. 2,967,363, 1–10–61, Cl. 37—53.
Meier, John W., to E. I. du Pont de Nemours and Co. Coating process. 2,977,243, 3–28–61, Cl. 117—64.
Meier, John W., to E. I. du Pont de Nemours and Co. Aqueous coating composition comprised of polyvinylchloride and vinylidene chloride, process for coating, and coated product. 3,014,004, 12–19–61, Cl. 260—29.6.
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Druey, Jean, Meier, and Staehelin. 3,004,973.
Meier, Walter R. Safety tools. 2,978,353, 4–4–61, Cl. 117—37.
Meier, William A., to Signode Steel Strapping Co. Crimping mechanism. 2,996,939, 8–22–61, Cl. 81—9.1.
Meier-Ebert, Heinz, to Huttenwerk Oberhausen Aktiengesellschaft. Shearing machines. 2,985,051, 5–23–61, Cl. 83—345.
Meigs, Archibald V., to Coast Paint and Lacquer Co. Coal tar modified amine type curing agent for polyepoxides. 2,980,601, 4–18–61, Cl. 208—44.
Meijer, Barend M., to North American Philips Co., Inc. Electric motor and turntable drive. 2,992,343, 7–11–61, Cl. 310—76.
Meijer, Roelf J., to North American Philips Co., Inc. Gas leakage prevention means for hot gas reciprocating apparatus. 2,982,088, 5–2–61, Cl. 60—24.
Meijer, Roelf J., to North American Philips Co., Inc. Heating unit for hot-gas engine. 3,011,306, 12–5–61, Cl. 60—24.
Meikle, James B.: *See*—
Cook, Paul M., Meikle, and Graham. 3,006,829.
Meiklejohn, William H., to General Electric Co. Magnetic clutch. 2,983,349, 5–9–61, Cl. 192—21.5.
Meiklejohn, William H., to General Electric Co. Magnetic material. 2,988,466, 6–13–61, Cl. 148—6.3.
Meilander, Willard C.: *See*—
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Meili, Ernst, to Cerberus G.m.b.H. Method of and arrangement for operating a glow relay. 2,971,136, 2–7–61, Cl. 317—142.
Meili & Worthington, Inc.: *See*—
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Meilinger, Raymond, to Meilinger Fixtures Co., Inc. Cabinet hinge. 2,999,269, 9–12–61, Cl. 16—149.
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McClellan, Ralph E. 2,972,165.
McClellan, Ralph E. 2,975,468.
McClellan, Ralph E. 2,996,322.
Meinel, Karl, to Wacker-Chemie G.m.b.H. Preparation of foamed acrylamide polymers. 2,990,381, 6–27–61, Cl. 260—2.5.

Meinel, Karl, to Wacker-Chemie G.m.b.H. Process for the production of foamed acrylamide polymers. 3,001,956, 9-26-61, Cl. 260—2.5.
Meinema, Herbert E., and H. H. Canfield, to Hammond Organ Co. Artificial reverberation apparatus. 2,982,819, 5-2-61, Cl. 179—1.
Meiners, Carl O., and W. B. and H. W. Lessing, to Meiners Optical Devices, Ltd. Fault finder. 2,991,639, 7-11-61, Cl. 66—166.
Meiners Optical Devices, Ltd.: *See*—
Meiners, Carl O., and W. B. and H. W. Lessing. 2,991,639.
Meinert, Norbert: *See*—
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Bromer, Heinz, and Meinert. 2,996,393.
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Weissenberg, Gustav, and Meinert. 2,996,391.
Meiness, Elmo R.: *See*—
Lapp, Ellsworth W. 2,981,099.
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Schmidt, Joachim, and Meinhold. 2,975,142.
Meininger, Fritz: *See*—
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Meininghaus, Wilhelm, to Gewerkschaft Eisenhutte Westfalia Wethmar. Mining apparatus. 2,990,168, 6-27-61, Cl. 262—8.
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Meinshausen, Gerhard, to Huttenwerk Rheinhausen Aktiengesellschaft. Laying arm for wire coiling device. 2,997,249, 8-22-61, Cl. 242—82.
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Meis, Helmut, and H. Sauer, to Rütgerswerke-Aktiengesellschaft. Condensation product of carbazole with alpha-methyl-styrene. 2,983,731, 5-9-61, Cl. 260—315.
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Meisel, Herbert R., L. Schork, A. Pikor, and A. Blicher, to Radio Corp. of America. Circuit mircoelement. 2,971,138, 2-7-61, Cl. 317—234.
Meisenheimer, Daniel T., and L. W. Syarto, to The A. C. Gilbert Co. Instructional sky scanner. 2,994,971, 8-8-61, Cl. 35—14.
Meiser, Werner, S. Breitner, W. Wirth, and H. Kreiskott. Dicarbamates of 1-alkyl-2,3 alkylene-1,3-diols. 2,971,979, 2-14-61, Cl. 260—482.
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Meissner, Loren P., to United States of America, Navy. Frequency domain switch. 3,009,114, 11-14-61, Cl. 331—38.
Meissner, Milton F., to Olin Mathieson Chemical Corp. Fabrication of hollow articles. 3,012,309, 12-12-61, Cl. 29—157.3.
Meissner, Willi G., to E. Lewinstein and M. Senft. Portable emergency light. 2,980,889, 4-18-61, Cl. 340—81.
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Meissner, William E., to American Viscose Corp. Tubing manufacture. 3,013,311, 12-19-61, Cl. 18—57.
Meister, Albert A., to Bagcraft Corp. of America. Method of producing plastic seam. 2,999,042, 9-5-61, Cl. 154—116.
Meister, George, and N. F. Cerulli. Process for electrostatic coating of incandescent lamp envelopes. 2,988,458, 6-31-61, Cl. 117—93.
Meister, George, and S. A. Lopenski, to Westinghouse Electric Corp. Envelope coating method and apparatus. 2,995,463, 8-8-61, Cl. 117—17.
Meister, Gerard W., to Simoniz Co. Pressurized polishing composition containing polyvinyl-alcohol and gum tragacanth. 2,978,422, 4-4-61, Cl. 260—17.4.
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Melamed, Sidney, to Rohm & Haas Co. Quaternary ammonium compounds of polymers of acrylamido type and methods for making them. 2,980,657, 4-18-61, Cl. 260—86.1.
Melamed, Sidney, to Rohm & Haas Co. Coating compositions and coated metal surfaces. 2,992,132, 7-11-61, Cl. 117—72.
Melamed, Sidney, and L. C. Souder, to Rohm & Haas Co. Unsaturated derivatives of N-(omega-aminoalkyl)-1,3-cyclodiazolidin-2-one and copolymers thereof. 2,980,652, 4-18-61, Cl. 260—77.5.
Melander, Bengt O., and G. Hanshoff, to A/B Kabi. 3-methyl-3-pentanol carbamate compositions having muscle relaxing and tranquillizing action. 2,972,564, 2-21-61, Cl. 167—65.
Melander, Leonard W., S. R. McLane, and M. L. Sutherland, to Amchem Products, Inc. Herbicidal process. 2,992,089, 7-11-61, Cl. 71—2.4.
Melas, Constantin M., to International Business Machines Corp. Periodic signal generator. 3,010,073, 11-21-61, Cl. 331—1.
Melby, Lester R., to E. I. du Pont de Nemours and Co. Polycyanoheptatrienes and a process for their preparation. 3,005,015, 10-17-61, Cl. 260—464.
Melcher, Robert D., and R. B. Jackson. Electric building blocks. 3,005,131, 10-17-61, Cl. 317—101.
Melchior, Frederick C. Automatic indicating and control instrument. 3,013,434, 12-19-61, Cl. 73—387.
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Melchor, Jack L., and P. H. Vartanian, to Sylvania Electric Products Inc. Broadband microwave frequency meter. 2,982,909, 5-2-61, Cl. 324—.5.
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Melhose, Alfred E., to Bell Telephone Laboratories, Inc. Hydrophone. 2,975,398, 3-14-61, Cl. 340—14.
Melikian, Albert V., to General Electric Co. Freezing tray and ice storage arrangement for refrigerators. 2,967,407, 1-10-61, Cl. 62—344.
Melill, Joseph, C. J. Muser, and C. H. Hall, to North American Aviation, Inc. Double differential pressure honeycomb sandwich panel brazing. 3,011,254, 12-5-61, Cl. 29—471.1
Melillo, Manlio B.: *See*—
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Mellbin, Bertil F. H. Device for driving a group of rollers. 2,966,746, 1-3-61, Cl. 34—121.
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Melle, Heinz, to Voigtlander A.G. Photographic camera. 2,972,289, 2-21-61, Cl. 95—10.
Melle, Heinz, to Voigtlander Aktiengesellschaft. Automatic exposure adjustment in photographic cameras. 2,984,164, 5-16-61, Cl. 95—10.
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Mellema, Jack H.: *See*—
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Mellema, John. Tool box for containing tools of various sizes and utilities. 2,996,172, 8-15-61, Cl. 206—16.
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Melnick, Daniel, to Corn Products Co. Method of making margarine. 2,973,269, 2–28–61, Cl. 99—122.

Melnick, Daniel, to Corn Products Co. Flavor stabilized salted margarine and process of producing the same. 2,983,615, 5–9–61, Cl. 99—123.

Melnick, Daniel, and J. Akerboom, to Corn Products Co. Soybean-oil dressings of the non-pourable type and method of making the same. 2,983,618, 5–9–61, Cl. 99—144.

Melnick, Daniel, and H. W. Vahlteich, and R. T. Bohn, to Corn Products Co. Yeast-raised baked products, and method of making same and composition employed therein. 2,997,394, 8–22–61, Cl. 99—90.

Melnikoff, Zachary. Eyebrow pencil and sharpener therefor. 2,979,029, 4–11–61, Cl. 120—1.

Meloche, Raymond J. Outboard motor steering seat. 2,989,021, 6–20–61, Cl. 115—18.

Melone, Gaetano, and A. Vecchi, to Lepetit S.p.A. New antibacterial compounds. 2,993,834, 7–25–61, Cl. 167—58.

Meloon, Daniel T., and R. O. Osborn, to E. I. du Pont de Nemours and Co. Electroluminescent structures. 2,976,446, 3–21–61, Cl. 313—108.

Meloy, Arthur S., Jr., and W. C. Van Ness, to The Singer Mfg. Co. Rotary take-ups for sewing machines. 2,968,268, 1–17–61, Cl. 112—248.

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Vossen, Bernd. 3,007,636.
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Melse, Jan L., and P. Baeyens, to North American Philips Co., Inc. Process for covering metal consisting of cadmium or copper with an extremely thin protecting chromiferous layer. 3,014,817, 12–26–61, Cl. 117—130.

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Melton, James O., to The Geolograph Co. Well depth recorder. 2,981,102, 4–25–61, Cl. 73—151.5.

Melton, James O., to The Geolograph Co. Weight-sensing mechanism. 2,986,932, 6–6–61, Cl. 73—144.

Melton, James O., and T. B. Wilkinson, to Jamco, Inc. Idler arm assembly. 2,995,381, 8–8–61, Cl. 280—95.

Melton, James O., and T. B. Wilkinson, to Jamco, Inc. Ball joint assembly. 2,999,709, 9–12–61, Cl. 287—90.

Melton, James O., and T. B. Wilkinson, to Jamco, Inc. Idler arm bearing and assembly. 3,010,733, 11–28–61, Cl. 280—95.

Melton, James O., and T. B. Wilkinson, to Jamco, Inc. Pivotal assembly for relatively oscillating members. 3,010,746, 11–28–61, Cl. 287—85.

Melton, James O., and I. M. Carpenter, to The Geolograph Co. Recorder with selective five foot marker. 3,010,777, 11–28–61, Cl. 346—33.

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Melton, Thomas M., R. A. Matthews, and H. F. O'Connor, to Virginia-Carolina Chemical Corp. Neutral esters of phosphoric acid. 2,990,421, 6–27–61, Cl. 260—461.

Meltzer, Jack. Shoe provided with elastic bridging element. 2,969,600, 1–31–61, Cl. 36—58.5.

Meltzer, Robert I.: *See*—
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Melville, John G. Center top stacking case. 2,974,819, 3–14–61, Cl. 220—20.

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Melville, Wilbur. Registration control methods and devices. 2,990,173, 6–27–61, Cl. 270—52.

Melvin, Charles W. Toy. 2,983,471, 5–9–61, Cl. 244—155.

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Melzard, Douglas E., D. A. Kendall, and A. J. Karas, to Tea Corp. Process for producing a tea concentrate. 2,978,328, 4–4–61, Cl. 99—77.

Melzassard, Louis, to Compagnie Industrielle du Confort, S.A. Device for actuating hinged elements. 2,986,745, 6–6–61, Cl. 4—251.

Melzer, Jean H. Method of making hollow rigid sheet metal structure. 3,000,088, 9–19–61, Cl. 29—421.

Mencacci, Samuel A., and C. Tack, to International Machinery Corp. Container handling apparatus. 2,998,118, 8–29–61, Cl. 198—30.

Menarik, Bernard A., and E. H. Taylor. Combination portable car window mountable public address unit. 2,983,791, 5–9–61, Cl. 179—1.

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Mench, John W., B. Fulkerson, and U. K. Schutt, to Eastman Kodak Co. Method of preparing cellulose esters. 2,992,214, 7–11–61, Cl. 260—227.

Menche, Heinrich, to Vorwerk & Co. Appliance for cleaning floors and coverings theerof. 3,011,188, 12–5–61, Cl. 15—49.

Mendel, Arthur, to Cities Service Research and Development Co. Ylide-transition metal compound catalyst system, process of making and method of using. 2,998,416, 8–29–61, Cl. 260—93.7.

Mendel, John T., to United States of America, Navy. Traveling wave tube and circuit. 2,999,181, 9–5–61, Cl. 315—3.5.

Mendelsohn, Bernard E. Construction for a window frame. 3,003,202, 10–10–61, Cl. 20—56.

Mendelsohn, Julian P., R. B. Grant, Jr., and H. J. Barrial, to General Electric Co. Adjustable gas impingement turbine nozzles. 2,971,333, 2–14–61, Cl. 60—39.14.

Mendelsohn, Lewis I.: *See*—
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Mendelsohn, Lewis I., to General Electric Co. Antimonide coated magnetic materials with lead and lead-antimony matrices. 2,999,778, 9–12–61, Cl. 148—31.55.

Mendelsohn, Meyer: *See*—
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Mendelsohn, Meyer, to Yardney International Corp. High-polymer metal compounds and process for making same. 3,004,010, 10–10–61, Cl. 260—91.3.

Mendelsohn, Meyer, to Yardney International Corp. Separator for electric batteries. 3,013,099, 12–12–61, Cl. 136—146.

Mendelsohn, Meyer, and M. Comanor, to Yardney International Corp. Accumulator electrolyte. 2,994,625, 8–1–61, Cl. 136—154.

Mendelsohn, Meyer, and F. Solomon, to Yardney International Corp. Diaphragm for electrolytic processes and method of making same. 3,013,100, 12–12–61, Cl. 136—146.

Mendelsohn, Samuel. Multiple photoflash lamp device. 2,985,748, 5–23–61, Cl. 240—1.3.

Mendelson, Myron J., A. Doig, Jr., and R. C. Douthitt, to The National Cash Register Co. Computer sorting system. 2,994,066, 7–25–61, Cl. 340—172.5.

Mendenhall, Charles A., and A. J. Strozinski, to The Bendix Corp. Rope actuated starter gearing for internal combustion engines. 2,987,059, 6–6–61, Cl. 123—185.

Mendham, Ronald W., to Howard Smith Paper Mills Ltd. Square indicating device for paper cutter. 3,012,330, 12–12–61, Cl. 33—174.

Mendizza, August, to Bell Telephone Laboratories, Inc. Anodizing method. 3,004,903, 10–17–61, Cl. 204—38.

Mendles, Walter J., to The Singer Mfg. Co. Centrifugal gate valve for sewing machines. 2,999,474, 9–12–61, Cl. 112—256.

Mendlowitz, Milton, to Mount Sinai Hospital Research Foundation, Inc. Calorimetric method and apparatus for continuous recording of heat exchange between bodies. 2,982,132, 5–2–61, Cl. 73—190.

Mendoza, Hector. Toy cap gun for propelling shots. 2,984,925, 5–23–61, Cl. 42—54.

Mendoza, Lorenzo E., and R. J. De Los Rios. Electro-heater. 3,005,083, 10–17–61, Cl. 219—40.

Mends, David N.: *See*—
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Menegoz, Charles D., and A. J. Galy, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Manufacture of refined manganese. 2,986,461, 5–30–61, Cl. 75—80.

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Menge, Philip G., to Troy Steel Corp. Gusset plates. 3,011,226, 12–5–61, Cl. 20—92.

Menge, Theodore L., Sr., 16⅔% to A. H. Temple, 50% to W. C. Randolph and 33⅓% to Temple Iron Works, Inc. Speed reducer. 2,972,910, 2–28–61, Cl. 74—804.

Menghi, Roberto. Device for securing skis and baggage on the roof of motor cars. 2,988,253, 6–13–61, Cl. 224—42.1.

Mengis, Albin J., M. A. Nyquist, and A. Vanderwoude, to W. Inc. Apparatus for making bags. 2,986,975, 6–6–61, Cl. 93—8.

Mengle, Lewis I., to Radio Corp. of America. Three tube color projection system with skew correction. 2,989,584, 6–20–61, Cl. 178—5.4.

Menheneott, Frank M., to Betts and Co. Ltd. Apparatus for applying caps to necks of containers. 2,991,607, 7–11–61, Cl. 53—317.

Menichello, Ralph J. Automatic slack adjuster for brakes. 3,011,315, 12–5–61, Cl. 60—54.6.
Menke, Herbert, R. Stocker, F. Wilke, and W. Wirth, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for producing stranded-cable components. 2,985,994, 5–30–61, Cl. 57—58.52.
Menke, Joseph F., to Eltro Gesellschaft fur Strahlungstechnik, M.b.H. Combination of an optical and electronic-optical system of a resolving power tuned to each other with subminiature-high voltage supply. 2,982,861, 5–2–61, Cl. 250—213.
Menke, Josef F., to Brinro Ltd. Infra-red ray detecting apparatus. 3,004,162, 10–10–61, Cl. 250—83.3.
Menke, Joseph F., and E. H. Doerpinghaus, to Brinro Ltd. S.A. Apparatus for detecting sources of infra-red rays. 2,976,419, 3–21–61, Cl. 250—83.3.
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Menne, Raymond J., to H. Behnke. Juicer with power-driven grater and centrifuge. 2,995,165, 8–8–61, Cl. 146—76.
Mennen, Joseph. Support structure. 3,013,668, 12–19–61, Cl. 211—40.
Mennesson, Andre L., to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Carburation devices for internal combustion engines. 2,998,232, 8–29–61, Cl. 261—36.
Mennesson, Robert M., to Societe d'Applications et de Constructions pour Material Automobile (S.A.C.M.A.). Pressure regulating apparatus, in particular for pneumatic measurement instruments. 2,985,186, 5–23–61, Cl. 137—115.
Menninger, Alfred: *See*—
Heil, Lothar, Schombürg, Wagener, Dobermann, and Menninger. 2,983,780.
Mennitt, Joseph L., and E. H. Mumford, to Owens-Illinois Glass Co. Apparatus for transferring and molding charges of molten glass. 2,984,047, 5–16–61, Cl. 49—5.
Mennitt, Joseph L., and E. H. Munford, to Owens-Illinois Glass Co. Hydraulic driving mechanism. 3,009,444, 11–21–61, Cl. 121—38.
Menon, Luigi, to Soc. Acc. Emanuel di G.e R. Emanuel & C. Automatic device for adjusting the output of rotary hydraulic machines. 2,969,021, 1–24–61, Cl. 103—120.
Menon, Stanislao, to Emanuel di Giuseppe e Roberto Emanuel & C.S.A.S. Rotary slidable-vane machines. 2,969,743, 1–31–61, Cl. 103—121.
Menough, Paul S., to Patricia M. Vonderau. Segmental separators for heat treating furnaces. 2,981,529, 4–25–61, Cl. 263—47.
Menough, Paul S., to The Alloy Engineering Co. Segmental separators for heat treating furnaces. 2,981,530, 4–25–61, Cl. 263—47.
Mente, Hans-Peter, to Fa. Hermann Pfauter. Method and apparatus for hobbing toothed elements. 2,996,958, 8–22–61. Cl. 90—4.
Mentecki, Alfred P.: *See*—
Kauffmann, Hugo J., Mentecki, Naistat, and Wehrfritz. 2,975,139.
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Mentley, Max B., to National Broach & Machine Co. Spiral broach. 2,986,801, 6–6–61, Cl. 29—95.1.
Mentley, Max B., to National Broach & Machine Co. Gear tooth chamfering tool. 3,008,218, 11–14–61, Cl. 29—103.
Mentley, Max B., D. W. Daniel, and Z. Kokorzycki, to National Broach & Machine Co. Grinder. 2,981,035, 4–25–61, Cl. 51—166.
Mentley, Max B., and D. W. Daniel, to National Broach & Machine Co. Gear grinder guiding and incremental feeding means. 2,994,988, 8–8–61, Cl. 51—32.
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Silver, Derrick J. 2,983,254.
Mentzer, Elizabeth M.: *See*—
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Mentzer, James S.: *See*—
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Mentzer, James S., G. Seeger, J. E. Jones, and W. L. Fritz, to American Photocopy Equipment Co. Binding hole punch. 2,985,052, 5–23–61, Cl. 83—522.
Menzel, Werner R., and M. Willms, to Ruhr Intrans Hubstapler G.m.b.H. Clamping attachment for industrial trucks. 2,998,892, 9–5–61, Cl. 214—655.
Menzel, Wolfgang A., to United States of America, Navy. One-lead charging system for a timing device. 2,996,991, 8–22–61, Cl. 102—70.2.
Menzel, Wolfgang E.: *See*—
Ruehlemann, Herbert E., and Menzel. 2,985,837.
Menzer, Alfred B., to Kemlite Corp. Plastic sheet material. 2,980,574, 4–18–61, Cl. 154—128.
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De Vito, Angelo R. 3,000,204.
Schonitzer, Rudolph I. 2,992,452.
Schonitzer, Rudolph I. 3,008,174.
Schonitzer, Rudolph I. 3,008,441.
Schonitzer, Rudolph I., and De Vito. 2,992,451.
Spisz, Albert S. 3,002,394.
Meoni, Nello, to LESA Costruzioni Elettromeccaniche S.p.A. Pick-up arm. 2,972,484, 2–21–61, Cl. 274—23.
Meopta, narodni podnik: *See*—
Smolář, Františsk. 3,006,239.
Meopta Prerov, narodni podnik: *See*—
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Kafka, Bedrich. 3,000,283.
Koubek, Frantisek. 2,993,424.
Koubek, František. 3,011,417.
Mercantile National Bank of Chicago: *See*—
Andresen, Raymond H. and H. A. 2,984,505.
Andresen, Raymond H. and H. A. 2,984,506.
Mercer, Carl A. Tube-perforating mechanism. 2,999,525, 9–12–61, Cl. 153—2.
Mercer, Robert L.: *See*—
Abresch, Carel F., and Mercer. 2,973,907.
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Mercer, William R.: *See*—
Sanders, Royden C., Jr., and Mercer. 2,977,465.
Mercer, William R., to Raytheon Co. Signal receivers. 2,983,-814, 5–9–61, Cl. 250—20.
Merchant, Charles J., to H. W. Giles and C. R. Young. Vibratory motor drive. 2,985,777, 5–23–61, Cl. 310—21.
Merchant, Charles W., to The Euclid Electric & Mfg. Co. Centrifugal switch. 3,013,132, 12–12–61, Cl. 200—80.
Merchant, Chester O., to Swanson-Erie Corp. Integral table straight line index. 2,990,940, 7–4–61, Cl. 198—137.
Merchant, Chester O., to Swanson-Erie Corp. Dual tank lamp base filler. 3,005,474, 10–24–61, Cl. 141—104.
Merchant, Don R. Tractor coupled dumping trailer. 3,003,818, 10–10–61, Cl. 298—20.
Merchant, Donald R.: *See*—
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Merchant, Elroy H., Sr. Retractible drag device for boats. 2,994,290, 8–1–61, Cl. 114—145.
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Mercier, Carl E., to McGraw-Edison Co. Metal enclosed switchgear. 3,008,016, 11–7–61, Cl. 200—50.
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Mercier, Jean. Multi-torque circuits. 2,977,763, 4–4–61, Cl. 60—51.
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Mercier, Jean. Hydraulic actuator. 3,009,322, 11–21–61, Cl. 60—52.
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Mercier, Philip L., and F. P. Ford, to Esso Research and Engineering Co. Stabilization of polymers with sulfur. 2,982,756, 5–2–61, Cl. 260—45.7.
Mercier, Pierre E., to Societe d'Etudes et de Recherches Pour l'Application Industrielle des Brevets Pierre Ernest Mercier. Arrangement for absorbing shocks particularly for vehicles. 2,984,501, 5–16–61, Cl. 280—124.
Mercier, Robert E., to Librairie Hachette. Change speed gear for toys and reduced scale models. 2,979,174, 4–11–61, Cl. 192—4.
Merck & Co., Inc.: *See*—
Arth, Glen E., Beyler, and Sarett. 3,004,994.
Bailey, George A. 3,013,030.
Benson, William L., and Laplerre. 2,970,056.
Benzing, Walter C., Schaarschmidt, and Grammer. 3,014,791.
Bernhauer, Konrad, and Dellweg. 2,982,766.
Brown, Horace D., Matzuk, and Sarett. 2,989,530.
Chamberlin, Earl M. 2,980,712.
Chamberlin, Earl M., Chemerda, Ten Broeke, and Tristram. 2,982,776.
Charney, Jesse, Tytell, and Fisher. 2,998,438.
Charnicki, Walter F., and King. 2,970,944.
Chemerda, John M., Ruyle, and Chamberlin. 2,981,742.
Chemerda, John M., Tristram, Hinkley, and Broeke. 2,980,713.
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Conn, John B. 2,970,040.
Conn, John B., Magee, and Sheehan. 3,014,779.
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Cragoe, Edward J., Jr. 2,983,730.
Cuckler, Ashton C. 2,988,480.
Cutler, Frank A. 3,009,935.
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Cutler, Frank A., Jr., Hause, and Sletzinger. 2,970,157.
Day, John T., and Smith. 3,004,046.
Denkewalter, Robert G., and Gillin. 3,000,792.
Dulaney, Eugene L., and McAleer. 2,970,085.
Engelhardt, Edward L. 2,971,005.
Engelhardt, Edward L. 3,014,911.
Erickson, Arthur E. 3,012,026.
Gains, Walter A., Sletzinger, and Ruyle. 3,014,043.
Garber, John D., Gasser, and Jones. 2,989,546.
Garber, John D., Gasser, and Jones. 2,995,582.
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Hanus, Edward J., and Carr. 2,977,235.
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Merck & Co., Inc.: *See*—Continued
Jones, Robert E., and Garber. 2,995,581.
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Kniazuk, Michael, and Prediger. 2,984,097.
Kniazuk, Michael, and Prediger. 2,996,595.
Laland, Per J. and S. G. M., and Dedichen. 2,985,561.
La Pierre, Raymond J. 3,004,845.
Lewis, Urban J., and Brink. 2,974,088.
Linn, Bruce O., and Shunk. 3,014,925.
Lyons, Hubert W. 3,011,456.
McDaniel, Lloyd E. 3,000,793.
Miller, Thomas W. 3,005,815.
Patchett, Arthur A. 3,008,960.
Poos, George I. 2,975,171.
Poos, George I., and Sarett. 2,999,859.
Reynolds, Harold C., Jones, and Garber. 3,014,926.
Reynolds, Harold C., O'Neill, and Garber. 3,014,895.
Robinson, Franklin M., and Wittreich. 3,014,057.
Rogers, Edward F. 2,974,087.
Rogers, Edward F., and Leanza. 3,008,873.
Sanders, Benjamin E., Richard, and Miller. 3,003,918.
Sarett, Lewis H., Leanza, and Rogers. 3,001,909.
Sarett, Lewis H., Rogers, and Clark. 2,995,567.
Shunk, Clifford H., Linn, and Folkers. 3,014,963.
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Skinner, Glenn S., and Bicking. 3,004,970.
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Sletzinger, Meyer, and Cutler. 3,013,034.
Sletzinger, Meyer, Ruyle, and Gaines. 2,995,566.
Sprague, James M., and Bicking. 2,978,457.
Sprague, James M., Engelhardt, and Christy. 2,996,503.
Sprague, James M., and Ziegler. 2,994,701.
Sprague, James M., and Ziegler. 2,994,702.
Stoudt, Thomas H., Kozlowski, and McAleer. 2,982,694.
Taub, David, Wendler, and Hoffsommer. 2,982,768.
Tishler, Max. 2,982,774.
Wagner, Arthur F., and Kuehl. 3,000,902.
Weijlard, John, and Pfister. 2,969,368.
Wendler, Norman L. 2,983,754.
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Wolf, Frank J. 3,000,873.
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Merck, E., Aktiengesellschaft: *See*—
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Küssner, Willi, and Voigtlander. 2,988,553.
Schulte, Karl. 2,991,289.
Thesing, Jan, and Helger. 2,980,702.
Van Schoor, Albert, Jacobi, Lust, and Flemming. 2,976,296.
Van Schoor, Albert, Jacobi, Lust, Flemming, and Muller. 3,000,780.
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Wenz, Adolf, Gottmann, and Koop. 2,991,284.

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Mercoid Corp., The: *See*—
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Mercur, Dave. Snap-out envelopes. 2,983,525, 5–9–61, Cl. 282—25.

Mercuri, Robert A., J. M. Finn, Jr., and E. M. Nelson, to Union Carbide Corp. Preparation of titanium diboride. 2,998,320, 8–29–61, Cl. 23—204.

Mercury Engineering Corp.: *See*—
Kilmartin, John A. 2,987,108.
Zernov, Peter. 2,969,930.
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Zernov, Peter. 2,973,160.
Zernov, Peter, and Traupmann. 2,990,729.

Mercury Handling Systems, Inc.: *See*—
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Mercury Metal Products, Inc.: *See*—
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Mercury Precision Equipment Co., Inc.: *See*—
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Merdinyan, William A., to United States of America, Army. Cartridge case for a recoilless rifle. 3,008,412, 11–14–61, Cl. 102—43.

Meredich, Mike. Combination plow and cutting tool. 2,973,044, 2–28–61, Cl. 172—67.

Meredith, Eugene V. Dowel pin. 2,976,069, 3–21–61, Cl. 287—127.

Meredith, Neil F., and K. Schwartzwalder, to General Motors Corp. Spark plug and process for making the same. 2,969,582. 1–31–61, Cl. 29—25.12.

Meredith Publishing Co.: *See*—
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Early, Harold C. 2,981,883.
Early, Harold C., and Miller. 2,972,196.
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Mereness, Lowell H., to M & M Products Co., Inc. Lock for garbage can lids. 2,974,990, 3–14–61, Cl. 292—288.

Mergenthaler Linotype Co.: *See*—
Abbott, William B., and Milanese. 2,997,159.
Glucksman, John I. 2,967,054.
Grube, Wolfgang O. 3,008,391.
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Hilpman, Paul, Albert, and Schad. 2,972,399.
Hilpman, Paul, Rice, and Albert. 2,987,171.
Robbins, Daniel H. 2,976,787.
Squassoni, Gino F., and Plastaras. 3,007,369.

Merges, Herbert A., to Condux-Werk Herbert A. Merges K.G. Crushers and grinding disks therefor. 2,988,290, 6–13–61, Cl. 241—261.

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Merian, Ernest, and B. J. R. Nicolaus, to Sandoz Ltd. Azo dyestuffs of low solubility in water. 2,980,666, 4–18–61, Cl. 260—158.

Merian, Ernst, to Sandoz Ltd. 1-amino-2-nitrobenzene-4-sulfonic acid amides. 2,977,376, 3–28–61, Cl. 260—397.7.

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Bernstein, Russell W. 2,989,823.
Bernstein, Russell W., and Block. Re. 25,025.
Bernstein, Russell W., and Block. Re. 25,026.

Meriwether, Lewis S., and E. C. Colthup, to American Cyanamid Co. Polymers and copolymers of diacetylenes. 2,998,463, 8–29–61, Cl. 260—668.

Merkel, Ewald. Method of making an endless sealing ring. 2,997,097, 8–22–61, Cl. 154—33.1.

Merkel, Gordon, and C. J. Paps, to Schmidt Lithograph Co. Carton. 3,02,613, 10–3–61, Cl. 206—65.

Merkel, Louis J. Piano back structure. 3,001,433, 9–26–61, Cl. 84—186.

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Merker, Leon, to National Lead Co. Method for growing crystals. 3,012,374, 12–12–61, Cl. 49—77.

Merker, Robert L., to Dow Corning Corp. Reaction of silicols with silicon-bonded hydrogen. 2,967,170, 1–3–61, Cl. 260—46.5.

Merkle, Eberhard, to Wilh. Bleyle, O.H.G. Method for bonding yarn ends. 3,012,398, 12–12–61, Cl. 57—159.

Merkle, Ralph H., to General Motors Corp. Air suspension and control apparatus therefor. 2,991,804, 7–11–61, Cl. 137—625.23.

Merklein, Norah: *See*—
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Mero, Peter G. S. Recording devices. 2,986,601, 5–30–61, Cl. 178—18.

Merrell, Edwin J., and R. A. Russbach, to Phelps Dodge Copper Products Corp. Cable joint casing. 2,972,004, 2–14–61, Cl. 174—91.

Merrell, Wm. S., Co., The: *See*—
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Fallon, Frances G., Roberts, Claxton, and Schumann. 2,991,287.
Palopoli, Frank P., Allen, Schumann, and Van Campen. 2,971,001.

Merriam, Charles N., Jr.: *See*—
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Merrill, Patterson D. Hydroponic gardening device. 2,983,076, 5–9–61, Cl. 47—1.2.

Merrill, Patterson D., to M. B. Skinner Co. Plug valve saddle. 2,983,477, 5–9–61, Cl. 251—146.

Merrill, Patterson D., W. A. Curtis, and H. J. De Freeuw, to M. B. Skinner Co. Fitting for perforating steel walled members. 2,990,731, 7–4–61, Cl. 77—37.

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Wayson, Andrew J. 3,008,286.

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Merritt, Everett L., to Photogrammetry, Inc. Zenith camera system. 2,995,992, 8–15–61, Cl. 95—11.

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Merritt, Henry B., to American Machine & Foundry Co. Manufacture of tobacco sheet. 3,012,562, 12–12–61, Cl. 131—140.

Merritt, Henry E. Form and methods of manufacture of rotors for fluid pumps. 2,994,277, 8–1–61, Cl. 103—126.

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Merryfield, George E., to Phillips Petroleum Co. Preparation and separation of xylenes from naphthenic streams. 3,013,088, 12–12–61, Cl. 260—668.

Mersch, Rudolf, and D. Delfs, to Farbenfabriken Bayer Aktiengesellschaft. Production of substituted nitrophenols. 2,985,688, 5–23–61, Cl. 260—622.

Mersereau, Everard C., to R. M. Holloway, and R. L. Ludington. Slack adjuster for power transmission systems. 3,001,612, 9–26–61, Cl. 188—196.

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Mertens, Edward W., and J. R. Wright, to California Research Corp. Preparation of quick-breaking bituminous emulsions characterized by improved demulsibility. 2,974,107, 3–7–61, Cl. 252—311.5.

Mertens, Edward W., and J. R. Wright, to California Research Corp. Asphalt emulsion. 2,993,003, 7–18–61, Cl. 252—311.5.

Mertens, Lawrence E.: *See*—
Wilson, Robert E., Mertens, and Bergman. 2,967,910.

Mertes, Leo. Device for cleaning phonograph records, particularly synthetic resin phonograph records. 2,977,127, 3–28–61, Cl. 274—47.

Mertes, Thomas S., to Sun Oil Co. Polymerization process with a catalyst prepared by subjecting $TiCl_4$ to ultrasonic vibrations and adding an aluminum alkyl. 2,968,652, 1–17–61, Cl. 260—93.7.

Merther, Kenneth L.: *See*—
Dear, Alexander T. C., and Merther. 2,991,492.

Mertler, Charles S., to Stevens Mfg. Co., Inc. Thermostatic device. 3,005,076, 10–17–61, Cl. 200—138.

Mertz, Clyde W.: *See*—
Berger, Donald E., and Mertz. 2,984,988.
Mailen, Tyson H., and Mertz. 3,008,870.

Mertz, Clyde W., to Phillips Petroleum Co. Rubberized bituminous sealant and method of use. 3,003,893, 10–10–61, Cl. 117—135.

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Mervan & Co.: *See*—
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Merz, Donald M., and T. R. Greene, to General Electric Co. Trigonometric function generator. 3,009,638, 11–21–61, Cl. 235—152.

Merz, Edmund H.: *See*—
Isaksen, Robert A., and Merz. 2,984,593.

Merz, Edmund H., and R. A. Barkhuff, Jr., to Monsanto Chemical Co. Method for preparing laminated resin foam structures. 2,983,962, 5–16–61, Cl. 18—59.

Merz, Herbert. Articulated vehicle. 3,006,660, 10–31–61, Cl. 280—406.

Merz, Kenneth A.: *See*—
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Merz, Kenneth A., to The Torrington Mfg. Co. Support structure and method for making a blower wheel. 3,004,326, 10–17–61, Cl. 29—156.8.

Merz, Max, to McCulloch Corp. Saw chain and bar unit. 2,992,660, 7–18–61, Cl. 143—32.

Merz, Max G. Pistol-mount, trigger-switch lamp. 2,984,724, 5–16–61, Cl. 200—157.

Merz, Paul L., to United States Rubber Co. N-(alkyl)-N′-(p-alkyl phenyl)-p-phenylenediamines as stabilizers for rubbers. 3,000,852, 9–19–61, Cl. 260—45.9.

Merz, Richard E., J. A. Brown, and W. C. Dowling, to Esso Research and Engineering Co. Method for improving filterability of phosphosulfurized hydrocarbons. 2,998,417, 8–29–61, Cl. 260—139.

Merz, Rudolf, to Crosman Arms Co., Inc. Gas powered fishing rod. 2,977,706, 4–4–61, Cl. 43—19.

Merz, Rudolf, to Crosman Arms Co., Inc. Gas powered revolver. 2,980,096, 4–18–61, Cl. 124—11.

Mesa, Agustin: *See*—
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Mescher, Harold E., to Pacific Scientific Co. Heat treating furnace. 2,977,107, 3–28–61, Cl. 266—4.

Meschino, William G., and R. Perdreaux, Jr., to United States of America, Army. Arming switch. 2,982,213, 5–2–61, Cl. 102—70.2.

Mesh, Theodore J., to Gilbert & Barker Mfg. Co. Electronic level sensing servosystem. 2,968,753, 1–17–61, Cl. 318—31.

Meshberg, Philip. Valve for aerosol container. 2,968,427, 1–17–61, Cl. 222—394.

Meshberg, Philip. Method of pressure filling aerosol containers. 2,974,453, 3–14–61, Cl. 53—29.

Meshberg, Philip. Device and method for dispensing material under pressure of an immiscible gas. 3,003,662, 10–10–61, Cl. 222—1.

Meshberg, Philip. Dispensing package. 3,006,340, 10–31–61, Cl. 128—203.

Meshberg, Philip. Dispensing package for material under pressure. 3,012,555, 12–12–61, Cl. 128—203.

Meshulam, Avram M., to Radio Corp. of America. Apparatus and method for corrugating sheet metal strip. 3,009,510, 11–21–61, Cl. 153—76.

Mesic, Frank J. Flask support. 2,988,333, 6–13–61, Cl. 257—1.

Mesinger, Robert H. Method and apparatus for forming cycle saddle covers. 3,008,190, 11–14–61, Cl. 18—39.

Mesnard, Howard W., E. Rosen, and M. W. Scott, to Smith, Kline & French Laboratories. Apparatus and method for coating discrete solids. 2,986,475, 5–30–61, Cl. 117—100.

Mespoulhes, Robert, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Starting method and apparatus for aircraft equipped with alternators. 2,994,785, 8–1–61, Cl. 290—4.

Messenger, Carus L., and W. H. Wam. Oarlock fishing rod holder. 2,981,509, 4–25–61, Cl. 248—42.

Messenger, George C., to Philco Corp. Improved semiconductor diode. 2,987,658, 6–6–61, Cl. 317—234.

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Price, Edmund T., Woodward, and Messer. 3,001,274.

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Endres, Johann. 2,970,807.
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Messina, Edward J., to Fotochrome Color Corp. Combination collapsible box and display device. 2,991,578, 7–11–61, Cl. 40—152.1.
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Peale, Louise F., and Messina. 2,996,453.
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Messmer, Edwin E.: *See*—
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Messmer, Edwin E., to Amsco Packaging Machinery, Inc. Apparatus for treatment of bag mouths and the like. 2,971,311, 2–14–61, Cl. 53—373.
Messwarb, Günter, W. Denk, and H. Scherer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing copolymers of vinyl chloride. 2,971,948, 2–14–61, Cl. 260—80.5.
Mestdagh, Jerome J., and C. A. Magarian, to Monsanto Chemical Co. Heat resistant liquid resin composition from phenol, formaldehyde and dicyandiamide, and process for making same. 3,004,941, 10–17–61, Cl. 260—29.3.
Mestre, Luis. Sheet gaging and detecting device. 2,982,545. 5–2–61, Cl. 271—57.
Mestre, Luis. Vertical collating machine. 3,004,758, 10–17–61, Cl. 270—58.
Meszaros, George W., to Bell Telephone Laboratories, Inc. Current supply apparatus. 2,980,897, 4–18–61, Cl.340—248.
Met, Victor O., to General Electric Co. Binary counter. 2,997,654, 8–22–61, Cl. 328—21.
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Kalman, John, and Kennaway. 3,009,198.
Mosse, Richard W. E. 3,008,386.
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Stuchbery, Arthur L., and Geeson. 3,014,445.
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Bragdon, Robert W. 2,970,114.
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Fuchs, Henry O., and Borger. 3,004,584.
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Mack, Gerry P. 2,970,980.
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Herbert, Wilhelm, Eisenlohr, and Bayer. 2,995,511.
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Kohlmeyer, Ernst J. 2,984,562.
Meyer, Kurt, Jenne, Schwalb, Michel, Stieger, and Weng. 2,982,533.
Meyer, Kurt, and Rausch. 3,003,863.
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Metcalf, Herbert E., deceased; C. R. Metcalf, administratrix. Rotary actuator. 2,978,915, 4–11–61, Cl. 74—89.
Metcalf, Herbert E., deceased; C. R. Metcalf, administratrix. Motion converter. 2,978,916, 4–11–61, Cl. 74—99.
Metcalf, Herbert E., and H. W. Johnson, to United States of America, Atomic Energy Commission. Neutronic Reactor. 2,978,398, 4–4–61, Cl. 204—193.2.
Metcalf, Howard F.: *See*—
Hart, Gene E., and Metcalf. 2,970,459.
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Levinson, David W., McAndrew, and Metcalfe. 2,983,602.
Metcalfe, Arthur G., and H. B. Nudelman, to United States of America, Army. Fusible impregnation of porous metallic bodies. 2,971,865, 2–14–61, Cl. 117—130.
Metcalfe, Kenneth A., and R. J. Wright, to The Commonwealth of Australia, care of the Secretary of the Department of Supply. Method of developing an electrostatic image. 3,001.888, 9–26–61, Cl. 117—37.
Metcalfe, Kenneth A., and R. J. Wright, to The Commonwealth of Australia, Department of Supply. Machine for effecting electrostatic printing. 3,003,404, 10–10–61, Cl. 95—1.7.
Metcalfe, Paul V. Clamp. 2,988,316, 6–13–61, Cl. 248—228.
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Meth, Harry, and H. J. Henderly, to Concepts, Inc. Imprinting machine. 2,990,769, 7–4–61, Cl. 101—310.
Meth, Max. Method of making glass non-reflective. 2,999,013, 9–5–61, Cl. 41—42.
Metivier, Jean, to Societe des Usines Chimiques Rhone-Poulenc. Thiophosphoric acid esters. 2,981,748, 4–25–61, Cl. 260—461.
Metivier, Jean, to Societe des Usines Chimiques Rhone-Poulenc. Z-alkoxymethyl-4-chlorophenoxyacetates. 3,007,962, 11–7–61, Cl. 260—521.
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Metropolis Bending Co.: *See*—
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Antell, George R., and Roberts. 2,975,048.
Ashworth, Fred. 2,981,611.
Ashworth, Fred, and Knowles. 2,999,766.
Bradley, David E. 2,985,599.
Craig, Robert D. 2,975,279.
Darlington, William H., Shannon, Fulton, and Dodds. 2,984,324.
Gregory, Alfred A. 3,008,074.
Hartill, Eric R., Hewett, and Pimm. 2,969,415.
Sutherland, Donald M., Proctor, Jobbins, and White. 2,985,431.
Vose, John K., and Willoner. 2,991,377.
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Metz, Henry E., to Baxter Laboratories, Inc. Packaging device and method of manufacture. 2,969,146, 1-24-61, Cl. 206—65.
Metz, Jack L., to Warwick Mfg. Corp. Magnetic recorder head. 2,999,906, 9-12-61, Cl. 179—100.2.
Metz, Paul. Apparatus for adding materials in gaseous suspension to metals. 3,011,773, 12-5-61, Cl. 266—34.
Metz, Paul L., to A.R.B.E.D., Acieries Reunies de Burbach-Eich-Dudelange, Societe Anonyme. Method for producing steel. 2,988,443, 6-13-61, Cl. 75—52.
Metz, Paul L., and J. Nepper, to A.R.B.E.D., Acieries Reunies de Burbach-Eich-Dudelange, Societe Anonyme. Nozzle. 2,978,189, 4-4-61, Cl. 239—597.
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Metzger, James F., to M. Tucker. Latch mechanism for sliding door devices. 2,983,000, 5-9-61, Cl. 20—19.
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Metzger, Matt F., to General Electric Co. Unbalance correcting system for use in laundry machines. 2,967,621, 1-10-61, Cl. 210—138.
Metzger, Matt F., to General Electric Co. Combination washer dryer. 2,983,129, 5-9-61, Cl. 68—12.
Metzger, Matt F., to General Electric Co. Unbalance and motor overlord correcting system for use in laundry machines. 3,014,590, 12-26-61, Cl. 210—138.
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Metzger, Walter, and H. F. Schünemann, to Rutgerswerke-Aktiengesellschaft. Process for preparing 1,3,5-triphenylbenzene. 2,969,405, 1-24-61, Cl. 260—668.
Metzger, Walter, and H. Schünenmann, to Rutgerswerke-Aktiengesellschaft. Process for preparing 1,3,5-triphenylbenzene. 2,969,406, 1-24-61, Cl. 260—670.
Metzger, William J., to National Malleable and Steel Castings Co. Draft rigging for railway vehicles. 2,973,104, 2-28-61, Cl. 213—69.
Metzger, William J., to National Malleable and Steel Castings Co. Draft rigging for railway vehicles. 2,973,105, 2-28-61, Cl. 213—71.
Metzger, William J., to National Malleable and Steel Castings Co. Transitional coupling device. 2,997,183, 8-22-61, Cl. 213—112.
Metzger, William J., to National Malleable and Steel Castings Co. Railway car coupler with laterally movable control. 2,997,184, 8-22-61, Cl. 213—162.
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Metzler, Charles L., J. D. Wark, and W. F. Helm, to Paper Mate Mfg. Co. Display device. 2,987,192, 6-6-61, Cl. 211—4.
Metzler, Kurt. Methods and means for drying of wet woven fabrics. 2,983,288, 5-9-61, Cl. 139—291.
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Metzner, Frank C. Trousers hanger. 2,977,032, 3-28-61, Cl. 223—95.
Metzner, Robert B., to Wheeling Steel Corp. Expanded metal spring structure and seat. 2,968,340, 1-17-61, Cl. 155—179.
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Meulemans, Benedict E., and W. H. Pauly, to Swift & Co. Manufacture of cheese slabs or the like. 3,006,769, 10-31-61, Cl. 99—116.
Meulendyk, John W. to Pneumo Dynamics Corp. Electrohydraulic servo valve. 3,012,579, 12-12-61, Cl. 137—623.
Meulendyk, John W., and C. H. Nichols, Jr., to Pneumo Dynamics Corp. Timed delay actuator. 3,012,541, 12-12-61, Cl. 121—38.
Meurer, Siegfried. Internal combustion engine. 2,968,298, 1-17-61, Cl. 123—139.
Meurer, Siegfried, to Maschinenfabrik Augsburg-Nurnberg A.G. Combustion chambers for pistons. 2,975,773, 3-21-61, Cl. 123—32.
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Meurer, Siegfried, and E. Mühlberg, to Maschinenfabrik Augsburg-Nurnberg A.G. Internal combustion engine and method of operating same. 2,979,043, 4-11-61, Cl. 123—25.
Meuret, Fernand, and V. Brouwers, to Solvay & Cie. Process for the preparation of precipitated calcium carbonates. 3,003,010, 10-3-61, Cl. 260—762.
Meuwly, James A. Insecticide bomb holder and actuator. 3,013,699, 12-19-61, Cl. 222—174.
Mevissen, Ernst A., to Dravo Corp. Dry material mixing apparatus. 2,988,339, 6-13-61, Cl. 259—57.
Mewes, Rudolph K., and M. H. Goebel, to Dr. C. Otto & Comp. G.m.b.H. Process and device for coking of fuels. 2,996,437, 8-15-61, Cl. 202—19.
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Meyer, Adolph F., to Thomas B. Meyer. Valve construction. 2,981,290, 4-25-61, Cl. 137—625.5.
Meyer, Albert, and G. Weck, to Hagan Chemicals & Controls, Inc. Method of making butter from milk and cream. 2,977,232, 3-28-61, Cl. 99—119.
Meyer, Albert, and O. Wenger, to Maag-Zahnrader & Maschinen Aktiengesellschaft. Machine for the cold form generating of cylindrical workpieces. 2,991,672, 7-11-61, Cl. 80—16.
Meyer, Alvin L., Jr. and R. D. Meyer. Ditcher. 3,003,263, 10-10-61, Cl. 37—98.
Meyer, Amel R.: *See*—
Howlett, Thomas W., Jr., and Meyer. 2,969,758.
Meyer, Andre J., Jr.: *See*—
Faget, Maxime A., and Meyer. 3,001,739.
Meyer, Arthur R., to United States of America, Army. Means for disassembling barrels from firearms. 2,987,966, 6-13-61, Cl. 89—14.
Meyer, Barthold F., to General Motors Corp. Seat adjusting mechanism. 2,983,307, 5-9-61, Cl. 155—14.
Meyer, Barthold F., and N. Toruk, to General Motors Corp. Circuit controller. 2,968,703, 1-17-61, Cl. 200—6.
Meyer, Bruce L., to Sperry Rand Corp. Reference pulse generation. 2,981,853, 4-25-61, Cl. 307—88.5.
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Meyer, Curtis E., J. A. Fancher, and P. E. Schurr, to The Upjohn Co. Therapeutic intravenous fat compositions. 2,977,283, 3-28-61, Cl. 167—66.
Meyer, Delbert H., to Standard Oil Co. Two step esterification process of terephthalic acid. 2,976,030, 3-21-61, Cl. 260—475.
Meyer, Delbert H., to Standard Oil Co. Esterification of terephthalic acid in the presence of cadmium sulfate catalyst. 3,007,959, 11-7-61, Cl. 260—475.
Meyer, Delbert H., to Standard Oil Co. Catalytic esterification of aromatic carboxylic acids. 3,010,991, 11-28-61, Cl. 260—475.
Meyer, Dermot L. Mechanism for raising and lowering outboard motors. 2,969,764, 1-31-61, Cl. 115—41.
Meyer, Earl W., Jr., H. M. Seubert, and R. J. Latorre, to The Electric Auto-Lite Co. Contacts assembly. 3,003,043. 10-3-61, Cl. 200—30.
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Meyer, Ferdinand, K. Demmler, and O. Lissner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Hardenable mixtures of polyglycidyl ethers. 2,981,711, 4-25-61, Cl. 260—31.2.
Meyer, Ferdinand, and K. Demmler, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Mixture comprising a polyether polyepoxide, a polycarboxylic acid, and styrene or diallyl phthalate, and production of hardened resin therefrom. 3,009,898, 11-21-61, Cl. 260—45.5.
Meyer, Ferdinand C., and H. C. Godt, Jr., to Monsanto Chemical Co. Preparation of 5-halothienyl amines. 2,983,729, 5-9-61, Cl. 260—294.8.
Meyer, Fred J. Irradiating apparatus. 2,980,202, 4-18-61, Cl. 183—7.
Meyer, Fred W., Jr.: *See*—
Seifried, Paul E., and Meyer. 2,979,707.
Meyer, Friedrich, to Ebauches S.A. Quick hand shift means. 2,968,143, 1-17-61, Cl. 58—125.
Meyer, Friedrich, to Ebauches S.A. Transmission device for time meters. 2,977,749, 4-4-61, Cl. 58—21.13.
Meyer, Friedrich, to Ebauches S.A. Alarm device. 2,982,084, 5-2-61, Cl. 58—21.13.
Meyer, Friedrich, to Ebauches S.A. Winding and setting device for timepieces. 2,982,085, 5-2-61, Cl. 58—71.
Meyer, Geo. J., Mfg. Co.: *See*—
Carter, Sidney T. 2,980,229.
Carter, Sidney T. 2,980,278.
Carter, Sidney T. 2,983,398.
Carter, Sidney T. 2,985,283.
Carter, Sidney T. 3,001,660.
Carter, Sidney T. 3,008,563.
Carter, Sidney T. 3,012,650.
Pettee, Herbert M. 3,004,650.
Meyer, Hans. Method of and apparatus for the continuous production of synthetic fibers. 2,974,363, 3-14-61, Cl. 18—8.
Meyer, Hans, and H. J. Dolman. Marking articles. 2,986,298, 5-30-61, Cl. 216—29.
Meyer, Heinz W., to Elektrochemische Werke Munchen A.G. Polymerization catalyst. 3,004,927, 10-17-61, Cl. 252—426.
Meyer, Helmut, to H. W. Schaumann. Method for the production of water-insoluble fatty acid salts of multivalent-metals. 2,993,921, 7-25-61, Cl. 260—413.
Meyer, Henry L., to The Cleveland Trencher Co. Mobile ditching machine. 2,981,012, 4-25-61, Cl. 37—86.

Meyer, Henry U.: *See*—
De Bach, Paul H. 3,006,330.
Meyer, Herbert E., Jr.: *See*—
Schwalbe, Julian H., and Meyer. 3,013,207.
Meyer, Heribert, to J. M. Voith, G.m.b.H. Flow distributor for fiber material for use in connection with paper making machines. 3,002,558, 10–3–61, Cl. 162—338.
Meyer, Howard F. Ram jet rotary engines. 3,007,309, 11–7–61, Cl. 60—39.35.
Meyer, James R., to Van De Mark Chemical Co., Inc. Method for producing exceptionally pure hydrogen. 3,011,589, 12–5–61, Cl. 183—114.2.
Meyer, Jerome B.: *See*—
Rogers, Milton J., and Meyer. 3,006,280.
Meyer, John F.: *See*—
Sheffer, Howard E., and Meyer. 2,982,754.
Meyer, John H., J. E. Nye, and A. Q. Robison, to The Garrett Corp. Thermostatic snap-action valve device. 3,014,664, Cl. 236—81.
Meyer, John L., to Gardner-Denver Co. Pulling tool. 3,002,644, 10–3–61, Cl. 218—47.
Meyer, Kurt, to Dravo Corp. Method of conveying green pelletized material. 2,988,781, 6–20–61, Cl. 18—48.
Meyer, Kurt, to Dravo Corp. Method and apparatus for suction draft sintering. 2,989,395, 6–20–61, Cl. 75—5.
Meyer, Kurt, H. Rausch, and K.-H. Boss, to Metallgesellschaft Aktiengesellschaft. Arsenic removal and the pelletizing of the de-arsenized material. 2,977,215, 3–28–61, Cl. 75—3.
Meyer, Kurt, O. Jenne, J. Schwalb, K. Michel, W. Stieger, and F. Weng, to Metallgesellschaft Aktiengesellschaft. Sintering process and apparatus. 2,982,533, 5–2–61, Cl. 266—21.
Meyer, Kurt, E. Jacob, and S. Sommer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the treatment of poly-olefins. 2,988,543, 6–13–61, Cl. 260—93.7.
Meyer, Kurt, and H. Rausch, to Metallgesellschaft Aktiengesellschaft. Sintering of endothermic materials. 3,003,863, 10–10–61, Cl. 75—5.
Meyer, Kurt M., to Metallgesellschaft Aktiengesellschaft. Iron oxide grate bars. 2,972,989. 2–28–61, Cl. 126—152.
Meyer, Lawrence F., to H. G. Abbott. Fifth wheel mounting structure for mobile tank units. 2,967,057, 1–3–61, Cl. 280—5.
Meyer, Leonard S., to Parallel Products Co. Archery arrow. 2,976,943, 3–21–61. Cl. 273—106.5.
Meyer, Leonard S., to Parallel Products Co. Method and mold for producing an archery bow. 2,980,158, 4–18–61, Cl. 154—1.
Meyer, Lester E. Automatic weigher for cattle feed and the like. 3,013,622, 12–19–61, Cl. 177—96.
Meyer, Louis A. Box forming machine. 3,013,477, 12–19–61, Cl. 93—49.
Meyer, Louis C. Cigarettes. 2,976,190, 3–21–61, Cl. 131—17.
Meyer, Ludwig J., to Hazemag G.m.b.H. Impact comminutor. 2,993,657, 7–25–61, Cl. 241—187.
Meyer, Maurice A., to Laboratory for Electronics, Inc. Channel selector. 2,974,286, 3–7–61, Cl. 328—116.
Meyer, Maurice A., to Laboratory For Electronics, Inc. Radar system. 2,982,956, 5–2–61, Cl. 343—8.
Meyer, Maurice A., to Laboratory for Electronics, Inc. Pulsed radar system. 3,005,980, 10–24–61, Cl. 343—8.
Meyer, Moshe N. Apparatus for releasing consumer articles. 2,977,023, 3–28–61, Cl. 221—205.
Meyer, Paul. Combined shoe and interchangeable skates. 2,998,260, 8–29–61, Cl. 280—7.13.
Meyer, Paul J. Incinerator. 3,001,487, 9–26–61, Cl. 110—8.
Meyer, Peter, V. E. Yarsley, and W. Titow, to Polymark Ltd. Preparation and use of tabs or marking labels containing yarns of partially saponified cellulose acetate. 2,998,631, 9–5–61, Cl. 28—73.
Meyer, Richard I.: *See*—
Jokay, Louis, and Meyer. 3,009,818.
Meyer, Robert E.: *See*—
Michaelson, Stanley D., and Meyer. 2,989,170.
Meyer, Robert E., to United Aircraft Corp. Thrust reverser. 2,979,893, 4–18–61, Cl. 60—35.54.
Meyer, Robert E., to United Aircraft Corp. Reverse thrust device. 3,013,386, 12–19–61, Cl. 60—35.54.
Meyer, Robert E., and G. D. Lewis, to United States of America, Navy. High energy fuel afterburner system. 3,009,317, 11–21–61, Cl. 60—35.6.
Meyer, Robert H.: *See*—
Maylott, Asa O., and Meyer. 3,007,964.
Meyer, Robert W.: *See*—
Black, James B., Meyer, and Shurts. 2,969,131.
Meyer, Ronald F.: *See*—
Willey, Frank G., and Meyer. 3,008,372.
Meyer, Roy D.: *See*—
Meyer, Alvin L., Jr. and R. D. Meyer. 3,003,263.
Meyer, Roy E. Cable support latch. 3,004,741, 10–17–61, Cl. 248—74.
Meyer, Roy E. Apparatus connecting the safety belt with the safety appliance. 3,006,431, 10–31–61, Cl. 182—5.
Meyer, Saul, to Minneapolis-Honeywell Regulator Co. Automatic electrical analogue computer. 2,998,186, 8–29–61, Cl. 235—61.1.
Meyer, Saul, to Minneapolis-Honeywell Regulator Co. Continuous integrator. 3,002,690, 10–3–61, Cl. 235—183.
Meyer, Theodore F. W.: *See*—
Gleason, Quin R., Meyer, and Wiley. 2,998,825.
Meyer, Theodore F. W., to Equi-Flex Products, Inc. Device for wiping or scraping a working member. 2,974,983, 3–14–61, Cl. 286—12.
Meyer, Thomas B.: *See*—
Meyer, Adolph F. 2,981,290.
Meyer, Vernon H.: *See*—
Abel, Walter L., Bell, and Meyer. 2,982,243.
Meyer, Vincent, and H. F. Payer, to Minnesota Mining and Mfg. Co. Method of making non-rigid rotative abrasive structures. 2,991,165, 7–4–61, Cl. 51—293.
Meyer, Walter W., to Sealol Corp. Shaft seal. 3,003,796, 10–10–61, Cl. 286—11.15.
Meyer & Wenthe, Inc.: *See*—
Preismeyer, Charles. 2,998,766.
Meyer, Werner T.: *See*—
Samuels, Howard J., Hungerford, Meyer, and Tilton. 2,990,875.
Meyer, William C.: *See*—
Greenlees, James C., and Meyer. 3,002,521.
Meyer, Wolfgang E., to Borg-Warner Corp. Fuel injector apparatus. 3,006,511, 10–31–61, Cl. 222—250.
Meyer-Arendt, Jurgen R., to The Ohio State University Research Foundation. Optical system for microscopes or similar instruments. 2,977,847, 4–4–61, Cl. 88—39.
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Akkeron, Ludwig F. 3,007,829.
Brownlee, Kenneth H. 2,988,834.
Brownlee, Kenneth H. 3,001,310.
Porth, Frank L. 2,970,076.
Meyer-Hartwig, Eberhard. Process of manufacturing ceramic compounds and metallic ceramic compounds. 2,982,014, 5–2–61, Cl. 29—182.5.
Meyerhoefer, Carl E., to Lewyt Corp. Vacuum cleaner assembly. 2,987,751, 6–13–61, Cl. 15—327.
Meyerhof, Walter E., to California Research Corp. Movable target for bore hold accelerator. 2,993,996, 7–25–61, Cl. 250—84.5.
Meyerhoff, Albert J., to Burroughs Corp. Magnetic core logical circuits. 2,974,309, 3–7–61, Cl. 340—174.
Meyerhoff, Albert J., and J. M. Witherspoon, to Burroughs Corp. Asynchronous to synchronous pulse converter. 3,010,028, 11–21–61, Cl. 307—88.
Meyering, Jan L., to North American Philips Co., Inc. Current conductor. 2,973,571, 3–7–61, Cl. 29—194.
Meyer-Jagenberg, Gunther, to Jagenberg-Werke Akt-Ges. Method of and an apparatus for pre-folding or pre-creasing the closure forming components of a container of paper, cardboard and similar materials. 2,969,002, 1–24–61, Cl. 93—49.
Meyerowitz, Nathan, to D & W Mfg. Co., Inc. Room divider lamp construction. 2,979,605, 4–11–61, Cl. 240—81.
Meyers, Albert I.: *See*—
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Mackinney, Herbert W., and Meyers. 3,010,919.
Meyers, Cal Y., to Union Carbide Corp. Process for producing crystalline trimethylolphenol. 2,971,987, 2–14–61, Cl. 260—621.
Meyers, Douglas C., to Shell Oil Co. Variable averaging meter. 2,979,946, 4–18–61, Cl. 73—194.
Meyers, Douglas C., to Shell Oil Co. Data-recording system. 2,987,366, 6–6–61, Cl. 346—50.
Meyers, Douglas C., to Shell Oil Co. Meter compensating apparatus. 3,012,436, 12–12–61, Cl. 73—194.
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Ambrosio, Theodore G., and Meyers. 3,013,592.
Meyers, Lionel C. Device for handling lighted cigarettes or the like. 2,967,529, 1–10–61, Cl. 131—256.
Meyers, Loren J.: *See*—
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Meyers, Raymond I., to Lear, Inc. Force sensing disconnect system. 2,998,945, 9–5–61, Cl. 244—77.
Meyers, Raymond I., and K. C. Kramer, to Lear, Inc. Aircraft longitudinal control augmenter. 2,967,680, 1–10–61, Cl. 244—77.
Meyers, Stanley T., to Bell Telephone Laboratories, Inc. Binary adder circuits. 2,992,339, 7–11–61, Cl. 307—88.5.
Meyers, William F., to G. & W. H. Corson, Inc. Current-producing cell device and method of generating current. 2,992,289, 7–11–61, Cl. 136—90.
Meyers, William F., to G. & W. H. Corson, Inc. Electric-current producing cell and generation of current with same. 2,996,562, 8–15–61, Cl. 136—6.
Meyerson, Samuel and S. Lazy tongs linkage having removable and replaceable links. 3,009,314, 11–21–61, Cl. 59—79.
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Meyerson, Samuel and S. 3,009,314.
Meyfarth, G. H., Jr.: *See*—
Franz, Ethan W. P. 2,987,167.
Franz, Ethan W. P. 2,987,168.
Meynell, Lionel C., to Meynell & Sons, Ltd. Mixing valves for controlling the mixing of hot and cold fluids. 2,977,989, 4–4–61, Cl. 137—630.19.
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Wettstein, Albert, Vischer, and Meystre. 2,969,305.
Wettstein, Albert, Vischer, and Meystre. 3,000,884.

Mez, Gerhard, to International Standard Electric Corp. Circuit arrangement for controlling a buffer storage. 2,985,865, 5–23–61, Cl. 340—172.5.

Mezey, Eugene J., and S. W. Harris, to Olin Mathieson Chemical Corp. Preparation of monoethyl pentaborane-9. 2,987,553, 6–6–61, Cl. 260—606.5.

Mezger, Edouard. Apparatus for lifting and setting down of moulding boxes. 2,973,106, 2–28–61, Cl. 214—1.

Mezzetta, Louis. Rotary internal combustion engine. 3,008,457, 11–14–61, Cl. 123—17.

Miag Muhlenbau und Industrie G.m.b.H.: *See*—
Topp, Johann B. 2,978,239.

Miale, Joseph N.: *See*—
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Miale, Joseph P., to Walker Laboratories, Inc. Aluminum nicotinate compositions for hypercholesteremia. 2,970,082, 1–31–61, Cl. 167—65.

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Mayer, George A. 2,983,983.

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Oliver, Evan M., Tripp, Fussell, and Michael. 2,977,241.

Michael, Harry C. Tread reduction wheel. 2,978,272, 4–4–61, Cl. 295—8.5.

Michael, Jacob F., G. W. Caplis, H. A. Holden, and G. C. Lennox, to Westinghouse Electric Corp. Electric lamp and socket. 2,972,699, 2–21–61, Cl. 313—318.

Michael, Malden W.: *See*—
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Michael, Malden W., to American Cyanamid Co. Platinum reforming catalyst and process for preparing the same. 3,000,813, 9–19–61, Cl. 208—139.

Michael, Malden W., to American Cyanamid Co. Platinum reforming catalyst and process for preparing the same. 3,000,838, 9–19–61, Cl. 252—441.

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Michael, Vesta F., to Koch Engineering Co., Inc. Cooling tower diverter. 2,990,031, 6–27–61, Cl. 183—13.

Michaelian, Nick. Folding stool. 2,991,041, 7–4–61, Cl. 248—432.

Michaelis, John L., to Pittaburgh Plate Glass Co. Novel apparatus. Re. 25,000, 6–20–61, Cl. 321—27.

Michaelis, John L., to Pittsburgh Plate Glass Co. Direct current measurement. 2,983,871, 5–9–61, Cl. 324—119.

Michaels, Clyde D., to United States Steel Corp. Sheet lapping apparatus. 2,971,630, 2–14–61, Cl. 198—35.

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Wells, Bernard L., and Michaels. 2,978,116.

Michaels, Raymond J., Jr.: *See*—
Zaugg, Harold E., and Michaels. 3,002,973.
Zaugg, Harold E., Weston, Freifelder, and Michaels. 2,980,683.

Michaelsen, William G., to Rockford Show Case & Fixture Co. Counter display cases. 3,002,795, 10–3–61, Cl. 312—118.

Michaelson, Stanley D., and R. E. Meyer, to Kennecott Copper Corp. Impact-absorbent supporting structure with articulated skirt boards for belt-troughing idlers. 2,989,170, 6–20–61; Cl. 198—204.

Michalak, Stanley A., to Symons Clamp & Mfg. Co. Stake pulling device. 2,994,510, 8–1–61, Cl. 254—30.

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Michaud, André L.: *See*—
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Michaud, Clarence L., to Celanese Corp. of America. Continuous bulk polymerization process. 2,982,758, 5–2–61, Cl. 260—67.

Michaud, Gaetan G. J., and R. R. Boucher, to Atomic Energy of Canada Ltd. Production of neutron source material. 3,010,825, 11–28–61, Cl. 75—206.

Michaud, Joseph Z. Bag holder. 2,989,277, 6–20–61, Cl. 248—101.

Michaud, Robert A. H., to Sud-Aviation, Societe Nationale de Constructions Aeronautiques. Apparatus for astronomical navigation. 3,006,236, 10–31–61, Cl. 88—2.4.

Michel, David D. Foam valve assembly. 2,975,944, 3–21–61, Cl. 222—394.

Michel, David D. Dispensing apparatus. 2,994,461, 8–1–61, Cl. 222—153.

Michel, Frank, to Chas. Pfizer & Co., Inc. Tablet hardness tester. 2,975,630, 3–21–61, Cl. 73—78.

Michel, George H., to American Cyanamid Co. Recovery of phthalic anhydride from phthalic anhydride coke. 3,002,980, 10–3–61, Cl. 260—346.7.

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Michel, Mathias, to Kaiser Aluminum & Chemical Corp. Strip tension controller. 2,975,991, 3–21–61, Cl. 242—75.51.

Michel, Raymond, and J. Roche, to Warner-Lambert Pharmaceutical Co. Sulfate compounds. 2,970,165, 1–31–61, Cl. 260—457.

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Michels, Antonius M. J. F., to Seismograph Service Corp. Apparatus for evacuating waste hydrogen from a chamber in which neutrons are produced. 2,986,641, 5–30–61, Cl. 250—84.5.

Michels, John H., and W. Rutt, to Sprague Products Co. Transistor circuit designing device. 3,005,953, 10–24–61, Cl. 324—158.

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Michener, William E., and R. J. Christiansen, to The Vilter Mfg. Co. Flake ice making machine. 2,986,902, 6–6–61, Cl. 62—298.

Michie, James T., to Southern Welding & Machine Co., Inc. Diverter valves. 2,991,803, 7–11–61, Cl. 137—625.11.

Michie, Nell B., to A. A. Gage Co. Magnetic cylinder square. 2,971,261, 2–14–61, Cl. 33—112.

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Michigan Chrome and Chemical Co.: *See*—
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Michigan Research Laboratories, Inc., and Electro-Chem Fiber Seal Corp.: *See*—
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Birtch, Fred E., and Johnson. 2,978,843.
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Moncrieff, Alexander D. F. 2,976,984.
Pelphrey, Harry. 2,994,237.
Zawaski, Felix F. 2,987,199.

Michlin, Hyman A. Elongated translating systems and selective switching thereby. 2,972,719, 2–21–61, Cl. 328—219.

Mick, Stanley H., to General Motors Corp. Pressurized fuel injection system. 2,968,473, 1–17–61, Cl. 261—23.

Mick, Stanley H., to General Motors Corp. Carburetor. 2,991,985, 7–11–61, Cl. 261—41.

Mick, Stanley H., to General Motors Corp. Carburetor. 2,996,051, 8–15–61, Cl. 123—119.

Mickelson, Cedric G., and C. D. Asherman, to American Steel Foundries. Alloy steel having surface free from alligatoring. 2,970,903, 2–7–61, Cl. 75—123.

Mickelson, Grant A., W. Simon, and G. H. Tibbitts, to Morton Chemical Co. Acid-treated clay process. 2,981,697, 4–25–61, Cl. 252—450.

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Mickus, Robert R., and G. W. Brewer, to Rice Growers Assn. of California. Continuous vibratory heating apparatus. 2,972,197, 2–21–61, Cl. 34—164.

Mickus, Robert R., and G. W. Brewer, to Rice Growers Association of California. Oil extraction apparatus. 2,990,255, 6–27–61, Cl. 23—272.

Micro Balancing, Inc.: *See*—
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Micro Balancing, Inc., a Subsidiary of Giannini Scientific Corp.: *See*—
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Microchemical Specialties Co.: *See*—
Rodrigues, John J., Jr. 2,997,077.
Rodrigues, John J., Jr. 3,013,435.

Microcyclomat Co., The: *See*—
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Lykken, Henry G. and W. H. 2,971,702.

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Greening, John H., and Czubak. 2,998,682.
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Micrometrical Mfg. Co.: *See*—
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Micron Sprayers Ltd.: *See*—
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Microwave Associates, Inc.: *See*—
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Microwave Development Laboratories, Inc.: *See*—
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Microwave Semiconductor & Instruments Inc.: *See*—
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Mid-America Highway Express, Inc.: *See*—
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Middaugh, Jack K., to Bell Telephone Laboratories, Inc. Automatic service observer-recorder circuits. 2,981,806, 4–25–61, Cl. 179—175.2.
Middendorf, Eugene H., W. C. Swanson, and R. S. Bowen, to International Harvester Co. Engine temperature regulating means. 3,014,467, 12–26–61, Cl. 123—41.1.
Middendorf, William H., to The Wadsworth Electric Mfg. Co., Inc. Circuit breaker having transversely movable operating elements. 2,977,442, 3–28–61, Cl. 200—116.
Middendorf, William H., to The Wadsworth Electric Mfg. Co., Inc. Multi-pole circuit breaker interlock. 2,977,443, 3–28–61, Cl. 200—116.
Middendorf, William H., to The Wadsworth Electric Mfg. Co., Inc. Common trip interlock. 2,977,444, 3–28–61, Cl. 200—116.
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Heckert, Richard E., and Middleton. 2,980,698.
Howard, Edward G., Jr., and Middleton. 2,970,173.
Middleton, William J., to E. I. du Pont de Nemours and Co. Polyfluoro-1,3-dithientanes and their preparation. 2,980,695, 4–18–61, Cl. 260—327.
Middleton, William J., to E. I. du Pont de Nemours and Co. Product of a diene polymer and a halogen-containing thioketone. 3,012,995, 12–12–61, Cl. 260—79.
Middletown Mfg. Co.: *See*—
Pilcher, Lawrence and N. L. 3,014,757.
Midgley, Frank. Switch contact assemblies. 2,986,621, 5–30–61, Cl. 200—166.
Midgley, Noel H. Skiving machine. 2,989,762, 6–27–61, Cl. 12—17.
Midland Chemical Corp.: *See*—
Berry, John M. 2,972,587.
Midland-Ross Corp.: *See*—
Bastress, Ernest K., Sykes, and Weaver. 2,982,531.
Beggs, Donald. 2,971,871.
Brown, Curtis L. 3,013,533.
Dailey, William H., Jr. 2,979,322.
Dailey, William H., Jr. 2,983,497.
Dailey, William H., Jr. 2,991,832.
Dailey, William H., Jr. 2,992,678.
Dailey, William H., Jr., and Turin. 2,998,967.
De Coriolis, Ernest G., and Sykes. 2,998,237.
Hanna, Ralph. 2,987,918.
Hedrick, Warren R. 2,967,337.
Huebler, Jack. 2,998,303.
Kahn, Lawrence P. 2,998,195.
Knight, Philip L. 2,998,966.
Knight, Philip L., and Michel. 2,973,192.
Martin, Donald K. 2,991,989.
Mayner, Thomas S. 3,001,358.
Minford, Theodore W. 2,988,350.
Pease, John W. 3,002,791.
Schultz, Forrest O. E. 3,002,499.
Schultz, Forrest O. E. 3,013,535.
Schultz, Forrest O. E. 3,013,537.
Taft, Royal C., Jr., and Hodgson. 3,013,924.
Midland Silicones Ltd.: *See*—
Page, Nigel, and Lewis. 2,983,694.
Midland Tar Distillers Ltd., The: *See*—
Davies, Edward B. 2,972,861.
Midnight, Wilbur G. Beverage container and dispenser device. 3,006,515, 10–31–61, Cl. 222—396.
Midwest Folding Products Mfg. Corp.: *See*—
Heisler, Harold. 2,978,895.
Midwest Hanger Co.: *See*—
Goush, Edward J., and Jones. 3,007,615.
Midwest Homes, Inc.: *See*—
McKinley, Howard C. 2,990,588.
Midwest Mfg. Co.: *See*—
Squire, Herbert D. 2,970,857.
Midwest Mfg. Corp.: *See*—
Aylor, Elmo E. 2,989,158.
Johnson, Leslie M. 3,001,251.
Johnson, Roy V. 2,970,873.
Mather, Harold C. 3,001,246.
Mid-West Metallic Products, Inc.: *See*—
Glezen, Lewis E. 2,970,714.
Midwest Research Institute: *See*—
Chappelow, Cecil C., and Morriss. 2,993,930.
Midwest Supply and Mfg. Co.: *See*—
Ross, John. 2,986,854.
Zimmerman, Adam. 3,012,381.
Midwestern Instruments, Inc. *See*—
Harrison, Wayne E., and Linna. 3,005,380.
Isbell, Willard D. 3,002,705.
Midwestern Welding Co.: *See*—
Stanley, Richard C. 3,009,048.
Mieding, Raymond C. Trailers for bicycles. 3,012,796, 12–12–61, Cl. 280—204.
Miegel, Ralph E., to E. I. du Pont de Nemours and Co. Process of vulcanizing chloroprene polymers. 2,999,855, 9–12–61, Cl. 260—79.5.
Miehle-Goss-Dexter, Inc.: *See*—
Agruss, Meyer S. 3,013,895.
Chase, Corson W., and Doyle. 2,986,088.
Chase, Corson W., and Pedersen. 2,997,248.
Claybourn, Carlton C. 2,969,980.
Dudley, Edward F. 2,972,945.
Hribar, Friedrich. 2,992,578.
Mitchell, Arthur B. 2,972,300.
Pasquinelli, Bruno B., and Peyrebrune. 2,974,950.
Peyrebrune, Henri E. 2,982,206.
Peyrebrune, Henri E., and Pasquinelli. 2,995,358.
Sites, Benjamin L., and Agruss. 3,008,242.
Thumim, Carl. 2,966,889.
Thumim, Carl. 2,973,852.
Vischulis, George. 2,984,430.
Vischulis, George. 3,006,571.
Wirth, Emil R. 2,970,540.
Worthington, Emory W. 3,010,393.
Miehle, William, to Burroughs Corp. Binary comparer. 2,989,734, 6–20–61, Cl. 340—174.
Mielke, Karl-Heinz: *See*—
Bunge, Wilhelm, and Mielke. 3,007,894.
Mielziner, Walter, and W. M. De Bell, to Stanley Aviation Corp. Radioactive radiation detector system. 2,987,621, 6–6–61, Cl. 250—71.5.
Mielzynski, Felix C., and T. Zbikowski. Hair darts for implanting in live or artificial media. 3,003,155, 10–10–61, Cl. 3—1.
Mierendorf, Robert C., to Square D Co. Electronic module. 2,990,500, 6–27–61, Cl. 317—101.
Mierendorf, Robert C., and C. W. Porter, to Square D Co. Control circuit. 2,967,227, 1–3–61, Cl. 219—108.
Mierendorf, Robert C., and C. F. Meyer, to Square D Co. Metal detectors 2,971,151, 2–7–61, Cl. 324—41.
Miers, Archie M.: *See*—
Shaver, Raymond M., Miers, Adler and Jorgensen. 2,991,733.
Miescher, Guido M., to Commercial Solvents Corp. Process for the production of beta-carotene. 3,001,912, 9–26–61, Cl. 195—28.
Miessler, Paul W., Sr., to The Patent & Licensing Corp. Rocking toy. 3,002,316, 10–3–61, Cl. 46—115.
Miessner, Benjamin F., to The Wurlitzer Co. Electronic piano. 2,966,821, 1–3–61, Cl. 84—1.14.
Miessner, Benjamin F., to The Wurlitzer Co. Tuned-vibrator musical instrument. 2,994,239, 8–1–61, Cl. 84—1.04.
Miessner, Benjamin F., to Miessner Inventions, Inc. Tone generator. 3,007,363, 11–7–61, Cl. 84—1.15.
Miessner Inventions, Inc.: *See*—
Miessner, Benjamin F. 3,007,363.
Mietz, Raymond E.: *See*—
Schniepp, Lester E., Mietz, and Groves. 2,986,539.
Mietzsch, Fritz: *See*—
Worffel, Udo, Puls, Behnisch, and Mietzsch. 3,010,872.
Mietzsch, Gerta: *See*—
Worffel, Udo, Puls, Behnisch, and Mietzsch. 3,010,872.
Mieville, Andre, to Mecanique et Plastique S.A. Rotary machine for the series injection of small parts of plastic material provided with metal inserts. 2,997,742, 8–29–61, Cl. 18—30.
Mighell, Russell L., to Kewanee Machinery & Conveyor Co. Automatic mechanism for operating a wheel supported mulcher. 3,006,422, 10–31–61, Cl. 172—142.
Mighty Mover Corp.: *See*—
Clifton, Chester C. 2,982,430.
Migneault, Fernand W.: *See*—
Migneault, Romuald and F. W. 2,988,787.
Migneault, Romuald and F. W. 3,012,293.
Migneault, Romuald and F. W. Glass panel divider for sashless windows. 2,988,787, 6–20–61, Cl. 20—52.
Migneault, Romuald and F. W. Pull and lock for sashless window panels. 3,012,293, 12–12–61, Cl. 20—52.
Mihail, Arlette M. (nee Grousset), J. P. Tochon, H. Turinetti, and E. M. R. Dubois, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Devices for deflecting the jets produced by jet engines. 2,997,844, 8–29–61, Cl. 60—35.54.
Mihaila, John, to Consolidated Electronics Industries Corp. Phonograph drive. 2,991,660, 7–11–61, Cl. 74—190.
Mihal, Gust J., to Deere & Co. Vehicle construction and pump mounting therefor. 3,002,579, 10–3–61, Cl. 180—53.
Mihalakis, Agis I., to W. T. Snyder. Projection screens. 2,984,152, 5–16–61, Cl. 88—28.9.
Mihalek, Emery, to Jennings & Co. Registered device for dispensing machines. 3,008,636, 11–14–61, Cl. 235—92.
Miheilc, Edward L., and M. H. Wilt, to United States Steel Corp. Method of making 9,10-phenanthraquinone. 3,014,049, 12–19–61, Cl. 260—396.

Mihelic, Edward L., Sr.: *See*—
Hawthorne, John O., and Mihelic. 2,971,982.
Hawthorne, John O., and Mihelic. 2,988,549.
Mihina, Joseph S., to G. D. Searle & Co. 3-oxygenated 6β-halo-5-methyl-19-nor-5β-cholest-9-enes. 2,984,675, 5–16–61, Cl. 260—397.2.
Mihina, Joseph S., to G. D. Searle & Co. 3-oxygenated 6β-halo-5-methyl-19-nor-5β-pregn-9-en-20-ones. 2,984,676, 5–16–61, Cl. 260—397.3.
Mihina, Joseph S., to G. D. Searle & Co. 3,17-dioxygenated 6β-halo-5-methyl-19-nor-5β-androst-9-enes. 2,992,241, 7–11–61, Cl. 260—397.3.
Mihlroth, Nick. Broncho buster hobby horse. 2,995,377, 8–8–61, Cl. 280—1.13.
Mika, Thomas F., to Shell Oil Co. Polyepoxide compositions. 3,012,487, 12–12–61, Cl. 94—22.
Mikeska, Louis A., to Esso Research and Engineering Co. Resinous copolymers. 2,985,629, 5–23–61, Cl. 260—78.
Mikic, Vasilije. Self leveling surveying instruments. 2,997,912, 8–29–61, Cl. 88—1.
Mikina, John A., ⅓ each to S. Mikina, and V. Mikina. Valve gear tappet for internal combustion engines. 2,984,227, 5–16–61, Cl. 123—90.
Mikina, Stanley: *See*—
Mikina, John A. 2,984,227.
Mikina, Valerie: *See*—
Mikina, John A. 2,984,227.
Miklich, Louis. Multiple tray serving device. 3,000,532, 9–19–61, Cl. 220—23.4.
Miklosek, Martin, to Libbey-Owens-Ford Glass Co. Apparatus for surfacing glass sheets. 2,970,413, 2–7–61, Cl. 51—240.
Mikolajeski, Benny J. Attachment for electrical wall switches. 3,004,128, 10–10–61, Cl. 200—172.
Mikos, John J., to S & C Electric Co. Circuit interrupter construction. 2,985,737, 5–23–61, Cl. 200—114.
Mikos, John J., and L. V. Chabala, to S & C Electric Co. Interrupter switch operating mechanism. 2,989,603, 6–20–61, Cl. 200—87.
Mikovsky, Richard J.: *See*—
Levy, Stephen D., McCaulay, and Mikovsky. 3,009,004.
Mikroholz G.m.b.H.: *See*—
Meissner, Kurt. 3,007,502.
Mikula, Adam: *See*—
Aeberhardt, Maurice, Egil, Mikula, and Perrig. 3,012,842.
Mikulas, William. Swimming pools. 2,977,613, 4–4–61, Cl. 15—1.7.
Mikuszewski, Casimir J.: *See*—
Wiater, Alfons M., and Mikuszewski. 2,975,227.
Milan, Earl L. Combination port hole screen and wind scoop. 2,981,218, 4–25–61, Cl. 114—177.
Milan, Joseph M. Water cooled, disc type brake assembly. 3,000,470, 9–19–61, Cl. 188—72.
Milanese, William A., Jr.: *See*—
Abbott, William B., and Milanese. 2,997,159.
Milani, Louis, Foods, Inc.: *See*—
Scharf, Murray M. 2,968,569.
Milanovits, Thomas: *See*—
Milanovits, William T. and T. 2,972,915.
Milanovits, Thomas and W. T., to M. L. Mfg. Co. Extension plug wrench. 2,972,920, 2–28–61, Cl. 81—72.
Milanovits, William T.: *See*—
Milanovits, Thomas and W. T. 2,972,920.
Milanovits, William T. and T., to M. L. Mfg. Co. Drilling machine. 2,972,915. 2–28–61, Cl. 77—42.
Milas, Nicholas A., to Research Corp. Antirachitic substances and process therefor. 2,997,486, 8–22–61, Cl. 260—397.2.
Milas, Nicholas A., to Research Corp. Organic peroxides. 3,003,000, 10–3–61, Cl. 260—610.
Milas, Nicholas A., to Research Corp. Organic peroxides. 3,009,962, 11–21–61, Cl. 260—610.
Milazzo, Joseph S.: *See*—
Studer, Paul A., and Milazzo. 2,993,902.
Milberger, Ernest C.: *See*—
Veatch, Franklin, and Milberger. 2,968,624.
Milberger, Ernest C., and S. M. Darling, to The Standard Oil Co. Fluid power transmission. 2,968,625, 1–17–61, Cl. 252—75.
Milbourne, Benjamin K. Ashtray. 2,973,766, 3–7–61, Cl. 131—235.
Milburn, Robert: *See*—
Marshall, Sydney G., Milburn, and Hanson. 2,993,435.
Milde, Roy L.: *See*—
Blitzer, Sidney M., Milde, and Pearson. 2,989,557.
Miles, Albert J.: *See*—
Pepper, Donald J., and Miles. 3,004,328.
Miles, Charlie A.: *See*—
Comer, Marvin H., Terrell, and Miles. 2,968,909.
Miles, Charles C., Jr., to Dura Corp. Header lock. 2,993,731, 7–25–61, Cl. 296—120.
Miles, Clair E. Device for controlling the depth of entrance of cutting tools. 2,967,441, 1–10–61, Cl. 77—55.
Miles, Clifford L., to Eastman Kodak Co. Lens tester and sorter. 3,008,577, 11–14–61, Cl. 209—74.
Miles, Edward J.: *See*—
Reilly, George B., Miles, Lewis, and Melsher. 2,973,600.
Miles, Francis T., to United States of America, Atomic Energy Commission. Neutronic reactor design to reduce neutron loss. 2,982,709, 5–2–61, Cl. 204—193.2.
Miles, Gilbert D., R. P. McGhie, and C. W. Fries, to Colgate-Palmolive Co. Actuation assistant for aerosol dispenser valves. 2,975,943. 3–21–61, Cl. 222—394.
Miles, John R., to Charles Bruning Co., Inc. Ultraviolet copying objective lens. 2,986,972, 6–6–61, Cl. 88—57.
Miles, John R., to Optikyle, Inc. Variable focal length optical objective. 2,983,194, 5–9–61, Cl. 88—57.
Miles, John R. Sheet holding rack with sheet turner. 2,991,573, 7–11–61, Cl. 40—104.
Miles, John R., to Chicago Aerial Industries, Inc. Optical sighting lens systems. 3,010,367, 11–28–61, Cl. 88—57.
Miles Laboratories, Inc.: *See*—
Adams, Ernest C., Jr. 2,982,700.
Adams, Ernest C., Jr., and Peterson. 3,012,976.
Albaum, Harry G., and Harvill. 2,987,450.
Albaum, Harry G., and Harvill. 2,999,052.
Barton, Richard R. 2,971,850.
Borchert, Peter. 3,009,889.
Borchert, Peter J. 3,001,979.
Collins, Galen F. 2,986,453.
Croxall, Willard J., and Mellema. 2,974,140.
Dawson, Norman D. 2,971,975.
Dawson, Norman D. 2,993,899.
Fancher, Otis E. 3,013,020.
Fonner, Dale E. 3,001,915.
Free, Alfred H., and Fetter. 2,987,174.
Free, Alfred H., and Schweiger. 2,970,945.
Hansing, Ronald F. 2,982,386.
Harvill, Edward K. 3,008,879.
Hayao, Shin. 3,005,821.
Kurtz, George W. 2,971,851.
Schweiger, Leonard B. 2,000,791.
Schweiger, Leonard B. 2,970,084.
Smeby, Robert R. 2,990,253.
Zienty, Mitchell F. 2,967,775.
Miles, Thomas D., F. A. Hoffman, and A. C. Delasanta, to United States of America, Army. Treatment of THPC flame-resistant fabrics with strong mineral acids to improve their tear strength and products produced thereby. 2,993,746, 7–25–61, Cl. 8—116.
Miles, William S., and R. L. Siering, to Johns-Manville Corp. Framed openings for wall assemblies. 3,008,550, 11–14–61, Cl. 189—34.
Milewski, Victor: *See*—
Cloutier, Frederick J., and Milewski. 2,998,736.
Milford, George N., Jr., and F. T. Wall, to E. I. du Pont de Nemours and Co. Polymer of a 2,6-disubstituted heptadiene-1,6. 2,976,268. 3–21–61. Cl. 260—77.5.
Milford, Richard E., to General Electric Co. Monostable multivibrator with emitter-follower feedback transistor and isolated charging capacitor. 2,987,632, 6–6–61, Cl. 307—88.5.
Millonis, Jerry P.: *See*—
Coleman, Ralph A., Arthen, Millonis, and Foster. 3,014,908.
Militana, Salvatore G.: *See*—
Curtiss, George C. 2,973,273.
Milks, Warren D. Electric display device. 2,972,202, 2–21–61, Cl. 40—33.
Millar, John F., S. W. Harder, and L. E. Findlay, to Charles E. Frosst & Co. Long-acting wax-like talc pillage of penicillin. 2,991,226, 7–4–61, Cl. 167—82.
Millar, John F., and S. W. Harder, to Charles E. Frosst & Co. Enteric coated tablets. 2,993,837, 7–25–61, Cl. 167—82.
Millar, John M.: *See*—
Critchfield, Charles L., and Millar. 2,996,992.
Millar, John McG.: *See*—
Critchfield, Charles L., and Millar. 2,992,612.
Millar, John McG., to United States of America, Navy. Projectile. 2,991,719, 7–11–61, Cl. 102—93.
Millar, Robert N., and K. J. Mitchell, to The General Electric Co. Ltd. Pressure vessels. 2,997,435, 8–22–61, Cl. 204—193.2.
Millar, Ronald L., and C. G. Moore, to The Glidden Co. Coating composition of an aminotriazine/aldehyde resin and esters of oxyalkylated phenolaldehyde resin. 2,967,839, 1–10–61, Cl. 260—19.
Millar, Walter B.: *See*—
Lofgren, Carl J., Strong, and Millar. 2,998,001.
Millard, Dennis J., to Boulton Paul Aircraft Ltd. Hydraulic actuator system with feedback. 2,980,067, 4–18–61, Cl. 121—41.
Millard, John R. Expansible structural member. 2,987,148, 6–6–61, Cl. 189—13.
Millard, John S.: *See*—
Black, William A., and Millard. 2,967,715.
Millard, Ruth, and C. A. Balmert, to Warner-Lambert Pharmaceutical Co. Effervescent compositions. 2,985,562, 5–23–61, Cl. 167—82.
Miller, Aaron, and F. E. Corley, to Kelco Co. Water dispersible gum product and method. 2,992,188, 7–11–61, Cl. 252—363.5.
Miller, Alan S., and A. L. Sherman. Combination suture cutting and removing instrument. 2,998,649, 9–5–61, Cl. 30—131.
Miller, Albert A., to Self Changing Gears Ltd. Automatic change speed gears. 2,972,909, 2–28–61, Cl. 74—751.
Miller, Albert C.: *See*—
Mallis, Arnold, Miller, and Trautman. 2,988,473.
Miller, Albert F. Rearvision mirrors for automobiles. 2,990,751, 7–4–61, Cl. 68—87.

Miller, Alberta L. Brassiere. 2,979,057, 4–11–61, Cl. 128—484.
Miller, Alfred, and H. Haydn, to Agfa Aktiengesellschaft. Photoconductive layers for electrophotography. 2,999,750, 9–12–61, Cl. 96—1.
Miller, Alfred B., to Westinghouse Air Brake Co. Automatic changeover for carrier circuits. 3,009,133, 11–14–61, Cl. 340—163.
Miller, Alfred L.: *See*—
Fusco, James V., Robison, and Miller. 3,008,915.
Powers, Kenneth W., and Miller. 2,996,468.
Miller, Alfred L., I. Kuntz, and F. P. Baldwin, to Esso Research and Engineering Co. Composition comprising chlorinated butyl rubber and interpolymer of butadiene, a vinyl pyridine and an olefinic nitrile, and process for preparing same. 2,993,027, 7–18–61, Cl. 260—45.5.
Miller, Alfred L., and G. E. Serniuk, to Esso Research and Engineering Co. Modification of butyl rubber by treatment with organic acid anhydride. 2,984,649, 5–16–61, Cl. 260—78.4.
Miller, Alfred L., A. J. Petro, and K. W. Powers, to Esso Research and Engineering Co. Curing butyl rubber latex films. 3,005,804, 10–24–61, Cl. 260—79.5.
Miller, Anthony P. Cutting head for a dry shaver. 2,982,021, 5–2–61, Cl. 30—43.
Miller, Arthur, to Sanborn Co. Protective system. 2,976,462, 3–21–61, Cl. 317—9.
Miller, Arthur H.: *See*—
Grimes, David D., Miller, and Schmidt. 2,997,682.
Schmidt, Robert L., Miller, and Grimes. 2,000,305.
Miller, Arthur H., to United States of America, Navy. Grain immobilizer. 2,996,879, 8–22–61, Cl. 60—35.6.
Miller, Arthur H., Jr., to United States of America, Navy. Launcher. 2,981,150, 4–25–61, Cl. 89—1.7.
Miller, Arthur H., Jr., V. J. Dietz, and D. M. Shipley, to United States of America, Navy. Missile handling and launching device. 2,981,152, 4–25–61, Cl. 89—1.7.
Miller, Asa N., to International Business Machines Corp. Data comparator. 2,975,402, 3–14–61, Cl. 340—147.
Miller, August L.: *See*—
Brown, Roger S., and Miller. 2,983,966.
Miller, Bernard, to American Cyanamid Co. New synthesis of phosphorodithioate esters. 2,992,264, 7–11–61, Cl. 260—461.
Miller, Bertha E. Invalid's bath tub. 2,977,604, 4–4–61, Cl. 4—185.
Miller, Bertrand J., and G. Wertwijn, to Zenith Radio Corp. Transistor hearing aid. 3,014,995, 12–26–61, Cl. 179—107.
Miller, Billy G., to C. J. Seifert. Construction tape apparatus. 3,006,495, 10–31–61, Cl. 156—526.
Miller Brewing Co.: *See*—
Riemer, Oskar. 2,987,178.
Miller, Bryce H., to Genie-Air, Inc. Combined air dampener and air diverter. 3,012,495, 12–12–61, Cl. 98—116.
Miller, Carl D. Speed regulating device. 2,978,059, 4–4–61, Cl. 180—82.1.
Miller, Carl D., to The Cooper Bessemer Corp. Control device. 2,992,532, 7–18–61, Cl. 60—51.
Miller, Carl D. Film feeding device. 3,002,424, 10–3–61, Cl. 88—17.
Miller, Carl J.: *See*—
Timpner, Fred F., De Lorean, and Miller. 2,980,441.
Miller, Charles A., to Parke, Davis & Co. Process for producing phenyl succinic anhydride. 2,995,580, 8–8–61, Cl. 260—346.8.
Miller, Charles A., to Parke, Davis & Co. Heterocyclic amine compounds and process of producing the same. 3,004,037, 10–10–61, Cl. 260—326.5.
Miller, Charles A., and L. M. Long, to Parke, Davis & Co. Anticonvulsant succinimide. 2,993,835, 7–25–61, Cl. 167—65.
Miller, Charles A., and L. M. Long, to Parke, Davis & Co. Succinimide compounds. 2,994,703, 8–1–61, Cl. 260—326.5.
Miller, Charles E.: *See*—
Stark, Howard J., and Miller. 3,001,213.
Miller, Charles E., W. H. Barkas, and R. E. Uptegraff, Jr., to United States of America, Navy. Gradiometer. 3,012,191, 12–5–61, Cl. 324—43.
Miller, Charles L. Self-reversing exducer for gas turbines. 3,006,604, 10–31–61, Cl. 253—52.
Miller, Charles L., and G. K. Weaver, to Sylvania Electric Products Inc. Wire break-off mechanism. 2,970,731, 2–7–61, Cl. 225—93.
Miller, Charles W.: *See*—
Onksen, George W., Miller, and Skinner. 2,991,069.
Onksen, George W., Skinner, and Miller. 2,994,525.
Miller, Charlie D.: *See*—
Endress, James W., Miller, and Pelsue. 3,004,396.
Miller, Clair E., to United States of America, Air Force. Method for determining speed and course of an airplane. 2,993,405, 7–25–61, Cl. 88—14.
Miller, Clarence D. Water-borne carrier and glider. 2,991,726, 7–11–61, Cl. 104—70.
Miller, Clarence E., Jr.: *See*—
Husted, Hoyt L., and Miller. 3,015,064.
Miller, Clarence H., to Machine Products Corp. Layout fixture. 2,999,319, 9–12–61, Cl. 33—174.
Miller, Clarence H. Calibrating mechanism. 3,002,279, 10–3–61, Cl. 33—19.
Miller, Clarence S., to The Butcher Polish Co. Scrubber. 3,005,219, 10–24–61, Cl. 15—98.
Miller, Claude H., to Texaco Inc. Removable tubing stop. 2,992,683, 7–18–61, Cl. 166—206.
Miller, Coleman J.: *See*—
Standing, Arthur F., and Miller. 2,990,481.
Miller Co., The: *See*—
Schiffer, Henry C. 2,972,675.
Miller, Corliss F.: *See*—
Baxter, Richard S., and Miller. 2,983,675.
Miller, Daniel B., to Miller Electric Co. Display structure. 2,983,386, 5–9–61, Cl. 211—1.5.
Miller, Daniel N., Jr. Exhaust device for vehicles. 3,012,812, 12–12–61, Cl. 296—44.
Miller, Daniel R.: *See*—
Thompson, Stanley G., Miller, and James. 2,989,367.
Miller, Darril D.: *See*—
Harbison, Wallace F., and Miller. 2,991,816.
Miller, David B.: *See*—
Early, Harold C., and Miller. 2,972,196.
Miller, David J., Sr. Electrical through-wall outlet. 3,005,037, 10–17–61, Cl. 174—49.
Miller, Denison C.: *See*—
Ferris, Robert M., and Miller. 3,003,472.
Miller, Donald E.: *See*—
Cochran, Walter M., Lutz, and Miller. 2,982,662.
Miller, Nicholas. 2,997,214.
Miller, Donald E., and E. Frank, ¼ to The Atchison, Topeka & Santa Fe Railway Co., ¼ to The New York Central Railroad Co., ¼ to The Pennsylvania Railroad Co., and ¼ to Union Pacific Railroad Co. Freight supporting and restraining system for vehicles. 2,973,724, 3–7–61, Cl. 105—369.
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Miller, Floyd F., and D. S. Conner, to Goodrich-Gulf Chemicals, Inc. Treatment of olefin polymers. 2,991,279, 7–4–61, Cl. 260—94.7.
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Miller, Fred F., Jr., to Dana Corp. Universal joint. 2,976,091, 3–21–61, Cl. 308—212.
Miller, Fred J. Combination sinker release and weighing scale. 2,994,622, 8–1–61, Cl. 177—226.
Miller, Fred T. Wrench. 2,970,501, 2–7–61, Cl. 81—69.
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Miller, Gabriel L., to National Research Development Corp. Variable inductance device. 2,996,682, 8–15–61, Cl. 330—8.

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Miller, George A., to Dietz & Co., Inc. Invertible collar construction. 2,974,320, 3–14–61, Cl. 2—98.

Miller, George A., to Diamond Alkali Co. Process for chlorinating aliphatic chain substituted aromatic hydrocarbons. 2,979,448, 4–11–61, Cl. 204—163.

Miller, George A., to Diamond Alkali Co. Method of chlorinating aliphatic chain-substituted aromatic hydrocarbons. 2,994,653, 8–1–61, Cl. 204—163.

Miller, George B., and R. D. Rynders, to Racine Hydraulics & Machinery, Inc. Variable volume pump hydraulic transmission. 2,969,646, 1–31–61, Cl. 60—53.

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Osborne, Sidney G., and Miller. 2,967,807.

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Harkenrider, Robert J. 2,980,472.

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Miller, Harry B. Conductive phonograph record containing thermoplastic resin and carbon black. 2,997,451, 8–22–61, Cl. 260—41.

Miller, Harry B., to United States of America, Navy. Electroacoustic transducer. 2,989,725, 6–20–61, Cl. 340—9.

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Miller, Henry C., and E. L. Muetterties, to E. I. du Pont de Nemours and Co. Metal derivatives of borane adducts. 2,999,864, 9–12–61, Cl. 260—340.6.

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Miller, James T. 3,009,549.

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Miller, James A., to Borg-Warner Corp. Four speed automatic truck transmission. 2,971,385, 2–14–61, Cl. 74—15.86.

Miller, James A., to Borg-Warner Corp. Transmission. 2,990,727, 7–4–61, Cl. 74—759.

Miller, James F., and R. C. Himes, to Battelle Memorial Institute. Semiconductor devices. 2,978,661, 4–4–61, Cl. 338—22.

Miller, James L., to General Motors Corp. Air conditioner. 2,981,083, 4–25–61, Cl. 62—428.

Miller, James L., to A. E. Staley Mfg. Co. Liquid laundry starch. 2,999,761, 9–12–61, Cl. 106—213.

Miller, James L., to General Motors Corp. Clothes drier with lint eliminator. 3,001,295, 9–26–61, Cl. 34—82.

Miller, James S., to The Procter & Gamble Co. Open faced cartons for collapsible tubes. 2,980,242, 4–18–61, Cl. 206—45.31.

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Miller, James T., to Miller Industries, Inc. Extruded structural member. 3,009,548, 11–21–61, Cl. 189—34.

Miller, James T., to Miller Industries, Inc. Extruded structural member. 3,009,549, 11–21–61, Cl. 189—34.

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Miller, John S., to The McKay Machine Co. Automatic drilling machine. 2,974,548, 3–14–61, Cl. 77—5.

Miller, John W., and G. D. Swanlund, to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,967,032, 1–3–61, Cl. 244—77.

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Miller, Labron W. Automatic car loading apparatus. 3,002,637, 10–3–61, Cl. 214—42.

Miller, Laymon N., to United States of America, Navy. Magnetostrictive transducer. 2,984,819, 5–16–61, Cl. 340—11.

Miller, Leo A., to Ethyl Corp. Manufacture of tetraethyllead. 2,982,778, 5–2–61, Cl. 260—437.

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Miller, Leon F., to The Osborn Mfg. Co. Mold blowing and squeeze machine. 2,973,562, 3–7–61, Cl. 22—36.

Miller, Leon F., and E. K. Hatch, to The Osborn Mfg. Co. Blow and squeeze molding method. 2,986,785, 6–6–61, Cl. 22—197.

Miller, Leon F., and E. K. Hatch, to The Osborn Mfg. Co. Method and apparatus for handling foundry flasks. 2,993,247, 7–25–61, Cl. 22—34.

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Miller, Lester M., to General Motors Corp. Refrigerating apparatus. 2,990,062, 6-27-61, Cl. 209—83.
Miller, Lewis E., to Bell Telephone Laboratories, Inc. Treatment of semiconductive devices. 2,974,075, 3-7-61, Cl. 148—6.3.
Miller, Lloyd G., to United Shoe Machinery Corp. Shoe sewing machines. 2,972,969, 2-28-61, Cl. 112—52.
Miller, Lloyd G., to United Shoe Machinery Corp. Shoe machines with feelers for controlling welt-severing mechanisms. 3,002,474, 10-3-61, Cl. 112—44.
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Harkenrider, Robert J. 2,991,135.
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Miller, Matthew N., and R. V. Smith, to Fairchild Engine and Airplane Corp. Relief valve. 2,977,978, 4-4-61, Cl. 137—470.
Miller, Max W., to Chas. Pfizer & Co., Inc. Miticidal agent. 2,976,301, 3-21-61, Cl. 260—348.
Miller, Meritt L., and H. J. Dalman, to General Electric Co. Attenuation circuit. 2,987,678, 6-6-61, Cl. 330—109.
Miller & Miller, Inc.: *See*—
Miller, Harmon B. 2,987,864.
Miller, Montgomery K., and W. L. Kumler. Well screening method and device therefor. 2,981,332, 4-25-61, Cl. 166—12.
Miller, Montgomery K., and W. L. Kumler. Well screening method and device therefor. 2,981,333, 4-25-61, Cl. 166—12.
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Miller, Orin E. Bulkhead cargo bracing. 2,978,994, 4-11-61, Cl. 105—376.
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Miller, Owen A. Measuring rule. 2,992,487, 7-18-61, Cl. 33—138.
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Miller, Paul D., and R. A. Jefferys, to Battelle Development Corp. Solid-film lubricants. 2,991,206, 7-4-61, Cl. 148—6.15.
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McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,996,499.
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Miller, Philip A., J. J. Goodman, N. O. Sjolander, and J. R. D. McCormick, to American Cyanamid Co. Enhancement of 7-chlorotetracycline production. 2,987,449, 6-6-61, Cl. 195—80.
Miller, Phillip A., to The Sierracin Corp. Laminated windshield. 2,991,207, 7-4-61, Cl. 154—2.74.
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Miller, Vincent P. 2,999,292.
Miller, Prentice M., to Clark Equipment Co. Collapsible reservoir. 3,003,659, 10-10-61, Cl. 220—85.
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Siebke, Carl O. 2,997,157.
Young, William G. 2,967,041.
Miller, R. Earl, to Hendrickson Mfg. Co. Resilient suspension system and stress absorbing units therefor. 2,980,439, 4-18-61, Cl. 280—109.5.
Miller, R. Earl, to Hendrickson Mfg. Co. Ball stud bearing assembly. 2,983,555, 5-9-61, Cl. 308—72.
Miller, Ralph. Supercharged intercooled two stroke cycle engine with compression control valve. 2,991,616, 7-11-61, Cl. 60—13.
Miller, Ralph D. Vehicle wheel safety skid. 2,987,323, 6-6-61, Cl. 280—150.
Miller, Ralph R. Pneumatic scales. 2,969,968, 1-31-61, Cl. 265—47.
Miller, Ralph R. Dental cleaning attachment. 3,012,263, 12-12-61, Cl. 15—28.
Miller, Raymond A. Edge rolling tool. 2,992,470, 7-18-61, Cl. 29—1.1.
Miller, Raymond G., and J. W. Brandt, to Lovell Mfg. Co. Wringer. 2,978,894, 4-11-61, Cl. 68—263.
Miller, Richard A. Fluid operator mechanism and control assembly therefor. 3,004,812, 10-17-61, Cl. 311—6.
Miller, Richard R. Radio pulse echo device with alarm actuated by selected echoes. 3,012,241, 12-5-61, Cl. 343—7.
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Johnston, William D., Miller, and Panson. 2,977,399.
Miller, Robert E.: *See*—
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Miller, Robert E., to Monsanto Chemical Co. Rubber compositions and preparation thereof. 2,974,120, 3-7-61, Cl. 260—45.8.
Miller, Robert E., to The National Cash Register Co. Cleaning sheet. 2,980,941, 4-25-61, Cl. 15—506.
Miller, Robert E., to Scovill Mfg. Co. Gauging device for a fastener setting machine. 3,002,643, 10-3-61, Cl. 218—17.2.
Miller, Robert E., to Monsanto Chemical Co. Process of preparing arylamino acids. 3,005,021, 10-17-61, Cl. 260—518.
Miller, Robert F. Masonry block apparatus. 3,006,053, 10-31-61, Cl. 25—41.
Miller, Robert G.: *See*—
Mowery, Orville E., and Miller. 2,999,518.
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Miller, Roger F.: *See*—
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Miller, Roland E., and E. C. Olson, to National Dairy Products Corp. Print forming machine. 2,987,819, 6-13-61, Cl. 31—8.
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Miller, Rowland L., and C. C. McDonald. Omnidirectional stereo system. 2,993,557, 7-25-61, Cl. 181—31.
Miller, Roy W., to Stanray Corp. Interlocking stacking spacer and guide pin assembly. 2,978,841, 4-11-61, Cl. 50—103.
Miller, Samuel A., and J. G. Waller, to The British Oxygen Co. Ltd. Chemical compounds containing rare gases. 3,005,851, 10-24-61, Cl. 260—593.
Miller, Sidney E., C. M. Berry, and R. W. H. Chang, to General Mills, Inc. Process for the separation of waxy components from sterol-containing materials. 3,004,992, 10-17-61, Cl. 260—397.25.
Miller, Solomon L., to International Business Machines Corp. Negative resistance semiconductor device structure. 2,988,677, 6-13-61, Cl. 317—234.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Electromagnetic wave filter. 2,991,431, 7-4-61, Cl. 333—9.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Scanning antenna. 2,994,084, 7-25-61, Cl. 343—783.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Joining assembly for wave guide sections or the like. 3,003,000, 10-3-61, Cl. 174—84.
Miller, Theadore, to United States of America, Navy. Homing-torpedo reverberation-attenuating transducer apparatus. 2,987,699, 6-6-61, Cl. 340—3.
Miller, Theodore A. Electrically heated trimming knife. 2,972,035, 2-14-61, Cl. 219—21.
Miller, Thomas C. Carbonate manufacture. 2,979,380, 4-11-61, Cl. 23—66.
Miller, Thomas W., to Merck & Co., Inc. Ion exchange recovery of neomycin from crude culture broths. 3,005,815, 10-24-61, Cl. 260—210.
Miller, Trevlyn W. Means for separating heavy particles from sands. 2,976,997, 3-28-61, Cl. 209—454.
Miller, Vincent P., to Miller Pottery Engineering Co. Appendaging machines. 2,999,292, 9-12-61, Cl. 25—22.
Miller, Wallace W. Extruded threshold, sill and fascia plate. 2,999,280, 9-12-61, Cl. 20—64.
Miller, Walter A., and S. O. Cook, to Union Carbide Corp. Method of biaxially stretching tubular styrene polymer film by inflating with gas and liquid. 2,987,776, 6-13-61, Cl. 18—57.
Miller, Walter A., C. N. Merriam, Jr., and S. O. Cook, to Union Carbide Corp. Method of producing elongated structures of isotactic polystyrene. 2,988,783, 6-20-61, Cl. 18—48.
Miller, Walter L.: *See*—
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Miller, Walter M. Hub-cap lock 2,994,217, 8-1-61, Cl. 70—169.
Miller, Walter S., to American Bosch Arma Corp. Plastic titanate piezo electric composition. 2,989,481, 6-20-61, Cl. 252—62.9.
Miller, Walter S., to American Bosch Arma Corp. Ceramic titanate piezo electric composition and method for preparing same. 2,989,482, 6-20-61, Cl. 252—62.9.
Miller, Walter S., to American Bosch Arma Corp. Method of making polarized titanate ceramics. 2,989,483, 6-20-61, Cl. 252—62.9.

Miller, Warner G. S.: *See*—
Fogarty, Wilfred J., Miller, Ford, and Friedman. 3,014,448.
Miller, Wendell E., to Cessna Aircraft Co. Flow control valve with axial force stabilizing spool or plunger. 3,009,480, 11–21–61, Cl. 137—620.
Miller, Wendell S. Projection systems. 2,974,564, 3–14–61, Cl. 88—24.
Miller, Wendell S. Projection system using screen with facets. 2,974,565, 3–14–61, Cl. 88—24.
Miller, William A.: *See*—
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Miller, William L., to Continental Can Co., Inc. Plastic cup mold. 2,985,914, 5–30–61, Cl. 18—19.
Miller, William N., Jr., and V. D. Ramseur, Jr., to Miller Outdoor Advertising Products Co., Inc. Billboard construction. 2,993,289, 7–25–61, Cl. 40—125.
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Miller, William T., to Minnesota Mining and Mfg. Co. Compounds produced by radical addition reactions of halogenated olefins and compounds produced thereby. 2,985,690, 5–23–61, Cl. 260—653.3.
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Milleron, Norman, to United States of America, Atomic Energy Commission. Ion pump. 2,967,257, 1–3–61, Cl. 313—231.
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Addis, Wendell A. 2,991,595.
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Millerwise, Carl H., to American Radiator & Standard Sanitary Corp. Snap switch. 2,980,774, 4–18–61, Cl. 200—67.
Millerwise, Carl H., to American Radiator & Standard Sanitary Corp. Switch and actuator therefor. 3,014,112, 12–19–61, Cl. 200—156.
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Milligan, John G., to Jefferson Chemical Co., Inc. Process of recovering boron fluoride catalyst for the alkylation of phenols. 3,000,964, 9–19–61, Cl. 260—624.
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Crosby, Gifford W., and Millikan. 2,994,705.
Millikan, Allen F., to The Pure Oil Co. Method of preparing esters of phosphorodithioic acids. 2,977,382, 3–28–61, Cl. 260—461.
Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Lubricating oil composition containing heterocyclic polyamine salts of partial ester of phosphorodithioic acid as antiwear agent. 2,973,323, 2–28–61, Cl. 252—32.7.
Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Preparation of cyclic alkylene carbonates. 2,993,908, 7–25–61, Cl. 260—340.2.
Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Carbonyl-substituted alkyl phosphoro N,N'-trialkylphosphorodiamidodithioates. 2,996,532, 8–15–61, Cl. 260—461.
Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Preparation of phosphoro thioate diesters. 2,996,533, 8–15–61, Cl. 260—461.
Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Neutral phosphorothioate ester compositions and method of preparation thereof. 3,005,006, 10–17–61, Cl. 260—461.
Milliken, Humphreys. Continuous external combustion engines. 2,977,759, 4–4–61, Cl. 60—39.63.
Milliken, Humphreys. Vaporizing oil burner. 2,988,887, 6–20–61, Cl. 60—39.71.
Milliken, Spencer R., to Aluminum Co. of America. Production of composite aluminous metal articles. 2,969,590, 1–31–61, Cl. 29—488.
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Milliken, Thomas H., Jr., to Houdry Process Corp. Preparation of plastic kaolin for extrusion. 2,988,518, 6–13–61, Cl. 252—450.
Milliken, William F., Jr., and D. W. Whitcomb, to General Motors Corp. Steering system. 3,011,579, 12–5–61, Cl. 180—79.2.
Milliner, Cary F., Jr., to United States of America, Navy. Bomb fuze liner centering clamp. 3,004,490, 10–17–61, Cl. 102—70.
Millington, Alfred F., to Novi Equipment Co. Evaporator structure. 2,994,210, 8–1–61, Cl. 62—244.
Millington, Alfred F., and H. B. Dickie, to Novi Equipment Co. Evaporator structure. 3,007,323, 11–7–61, Cl. 62—448.
Million, John W., Jr., to American Bosch Arma Corp. Variable tuner. 2,980,797, 4–18–61, Cl. 250—40.
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Millman, Nathan, and J. B. Whitley, to J. M. Huber Corp. Fractionation of clays. 2,987,473, 6–6–61, Cl. 210—57.
Millman, Nathan, and R. E. Homm, to Ortho Pharmaceutical Corp. Biological stains. 2,992,971, 7–18–61, Cl. 167—84.5.
Millman, Nathan, and R. E. Homm, to Ortho Pharmaceutical Corp. Methyl cellulose sponge and method of making. 3,005,457, 10–24–61, Cl. 128—296.
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Mills, John A., to Churchill Gear Machines Ltd. Hobbing machines. 2,995,068, 8–8–61, Cl. 90—1.
Mills, John E., to The Gas Council. Removing hydrogen sulphide from gases. 2,975,026, 3–14–61, Cl. 23—3.
Mills, John S., and A. Bowers, to Syntex S.A. Preparation of 16,21-diacetate derivative of cyclopentanophenanthrene compounds. 3,014,938, 12–26–61, Cl. 260—397.47.
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Mills, Robert L., and J. Zemanek, Jr., to Socony Mobil Oil Co., Inc. Low frequency measurements of specific impedance. 2,998,091, 8–29–61, Cl. 181—.5.
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Mills, Sidney. Boat. 2,995,104, 8–8–61, Cl. 114—56.
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Minisci, Francesco, and U. Pallini, to Montecatini Soc. Gen. per l'Industria Mineraria e Chimica. 3,002,991, 10-3-61, Cl. 260—465.4

Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland: *See*—
Bowring, John I. R., and Elkins. 3,011,826.

Minister of National Defense, Her Majesty the Queen in right of Canada as represented by the: *See*—
Thompson, Philip M., and Bibby. 3,013,724.

Minister of Supply: *See*—
Ford-Moore, Arthur H., and Wood. 3,005,003.
Jones, Spencer S. D., Gent, and Browne. 2,986,734.

Minister of Supply, Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland: *See*—
Clarke, George F. 2,991,467.
Hinckley, Garfield L. 2,986,728.
Lewis, Ewart G., Eldridge, Bradfield, and Bertoya. 2,971,372.
O'Halloran, Thomas P. 2,989,324.
Van Koningsveld, Dudley. 3,011,407.

Ministerio Da Aeronautica, Diretor do Material, Aeroporto Santos-Dumont: *See*—
Focke, Henrich C. J. 2,978,037.

Minitone, Inc.: *See*—
Kent, Allen H. 3,004,522.

Minix, Bill, to Freeland Gauge Co. Pneumatic internal gauge device. 2,977,788, 4-4-61, Cl. 73—37.9.

Mink-Dayton, Inc.: *See*—
Tangeman, Russell L. 2,974,611.

Minkema, William H.: *See*—
Kerr, Ralph W., Paschall, and Minkema. 2,967,178.
Paschall, Eugene F., and Minkema. 2,995,513.

Minkow, Morse: *See*—
Elmore, William B., and Minkow. 2,995,298.

Minneapolis-Honeywell Regulator Co.: *See*—
Adams, Robert P., and Popowsky. 2,987,682.
Alcott, Rollin A. 2,993,969.
Alderson, Ross C., Carpenter, and Fisher. 2,993,664.
Algren, Axel B., and Snyder. 2,986,018.
Ander, Eric B. 3,011,354.
Anderson, John E. 3,011,350.
Aske, Leonard E. 3,005,173.
Aske, Vernon H. 2,978,910.
Bauer, William E. 2,977,990.
Bauer, William E. 2,977,991.
Beard, Richard B. 2,980,415.
Beard, Richard B., and Snitzer. 2,999,379.
Bearinger, Van W., and Larsen. 2,980,841.
Beck, Kenneth H. 2,967,279.
Beck, Kenneth H. 2,999,984.
Beck, Kenneth H., and Rein. 2,989,586.
Becker, Robert F., and Smiley. 3,001,417.
Bloch, Richard M. 2,977,047.
Bloch, Richard M., and Eachus. 3,008,127.
Bolstad, Luther L. 2,979,773.
Brown, George R. 2,985,194.
Burton, Robert V. 2,996,045.
Callen, Max W. 2,991,029.
Carey, William M., Jr. 3,011,065.
Carlson, Elmer A. 2,978,228.
Carlson, William L., Jr. 2,971,128.
Carlson, William L., Jr. 2,981,193.
Carlson, William L., Jr. 3,005,313.
Carlson, William L., Jr. 3,008,294.
Carlson, William L., Jr., and Mobarry. 2,971,12
Carpenter, Benjamin. 2,993,665.
Chase, Thomas W. 3,003,720.
Chase, Thomas W., and Larson. 2,967,031.
Chiniund, Joseph F. 3,005,466.
Ciscel, Benjamin H. Re. 25,097.
Coffey, Charles D. 2,968,309.
Cohen, Bernard, and Reach. 2,967,276.
Colten, Bernard, and Reach. 3,012,722.
Craig, Burnie M. 2,992,787.
Curtis, Aaron I., and Larsen. 2,978,878.
Dectrow, Tefius X., and Sundby. 2,980,381.
Deerfield, Alan J. 2,971,056.
De Sautels, Albert N. 3,013,159.
Deziel, Fred T. 2,981,324.
Dieterich, Ernest J. 2,978,679.
Dobbins, Richard K. 2,995,116.
Donahue, Lawrence E. 2,978,183.
Du Bois, Robert C. 2,987,920.
Duke, John A. 2,977,812.
Eachus, Joseph J. 2,981,471.
Eachus, Joseph J. 2,986,652.
Eachus, Joseph J. 2,997,602.
Ebert, Fred C. 2,971,135.
Ehret, Robert J. 2,974,237.
Entin, Leonard P. 3,000,221.
Erickson, Verdis M., and Johnston. 2,982,908.
Exon, John J. 2,982,895.
Fillmore, Robert L. 2,977,765.
Fishburn, Ralph E. 2,968,874.
Flagg, Raymond P. 2,986,369.
Fowle, Leonard E. 3,015,004.
Friel, Lester D. 3,000,212.
Godley, William P. 3,011,098.
Hall, Ross B. 2,993,739.
Hamelink, William B. 2,967,941.
Hamelink, William B. 3,012,146.
Hammell, Allan K. 2,996,651.
Hansell, Ulf G. 2,983,088.
Hanson, Henry L. 2,975,411.
Hardison, John A. 2,992,788.
Harper, Samuel D. 3,004,246.
Harter, Edgar J. 2,971,697.
Havner, Paul F. 3,011,740.
Hildenbrandt, August J., Jr. 2,987,915.
Hinz, Donald I. 2,994,021.
Jacoby, George V. 3,011,709.
Jensen, James L. 2,976,465.
Jensen, James L. 2,997,657.
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Jensen, James L. 3,001,125.
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Johnson, Justin O., Jr. 2,999,384.
Johnson, Justin O., Jr., and Stokes. 2,979,953.
Kent, John C. 3,012,231.
King, William R. 2,998,750.
Klein, Edward J. 2,984,404.
Kliever, Waldo H. 3,005,140.
Kliever, Waldo H., and Ross. 2,995,725.
Kompellen, Arlon D. 3,002,094.
Kriechbaum, John P. 2,973,630.
Kriechbaum, John P. 3,011,095.
Kutzler, Robert J. 2,988,306.
Lapinski, Francis A., and Dever. 3,013,855.
Larsen, Theodore E. 2,990,878.
Larson, John C. 2,978,210.
Lawrance, Richard B., and Boehme. 2,994,903.
Lawrance, Richard B., and Pendleton. 2,967,674.
Lawrance, Richard B., and Pendleton. 2,970,732.
Lindahl, John H. 2,996,271.
Lindquist, Olva H. 2,995,929.
Lingle, John T. 2,977,524.
Lingle, John T. 2,992,385.
Longland, Donald T. 3,002,106.
Lord, Kenneth B. 3,004,880.
Ludwig, Merle R. 3,004,198.
MacArthur, John L. 3,010,094.
Marshall, James F. 2,979,658.
McCammon, Robert F. 2,999,424.
McCarthy, Joseph F. 2,980,022.
McGoldrick, William J. 2,968,466.
McNall, Preston E., Jr., and Severson. 2,998,098.
Mellifi, Vernon C., Jr., and Wright. 3,014,677.
Meyer, Saul. 2,998,186.
Meyer, Saul. 3,002,690.
Miller, John W., and Swanlund. 2,967,032.
Mintzer, Lester. 2,995,732.
Mitteimann, Eugene. 2,968,181.
Moore, Warren, Jr. 2,998,574.
Morrison, Stanley R. 2,975,638.
Mott, Richard C. 2,976,877.
Muse, Grant H., Jr. 2,983,189.
Nelson, Lorne W. 2,987,595.
Newbold, William F. 2,988,702.
Newbold, William F. 3,005,164.
Nodolf, Keith M. 2,970,670.
Nodolf, Keith M. 2,978,006.
Nodolf, Keith M. 2,997,130.
Nord, Jay M. 2,983,151.
Olson, Elwyn H. 2,975,610.
Pear, Charles B., Jr. 2,977,422.
Pendleton, Robert A. 2,995,149.
Pendleton, Robert A. 2,997,246.
Pendleton, Robert A. 2,998,206.
Pennock, Robert L., Jr., and Smith. 2,982,936.
Petry, Eduard C., and Underwood. 2,999,353.
Pinckaers, Balthasar H. 2,979,626.
Pinckaers, Balthasar H. 2,993,995.
Pinckaers, Balthasar H. 2,999,175.
Pinckaers, Balthasar H. 3,015,042.
Pinckaers, Balthasar H., and Jensen. 2,989,686.
Pitts, Johnston T. 2,974,870.
Pizza, Michael. 2,988,674.
Popowsky, William J. 2,980,861.
Post, Richard. 3,010,657.
Rachlin, Bernard. 2,972,255.
Reach, Roy W., Jr., and Kahn. 3,003,695.
Rohmann, Charles P. 2,989,076.
Ross, Wayne M. 2,994,060.
Rowan, William J. 2,995,041.
Ruhman, Smil. 2,981,847.
Schuck, Oscar H. 2,991,011.
Schuck, Oscar H. 3,011,717.
Sellnder, Eric P. 2,990,155.
Severson, Asbjorn M. 2,981,868.
Sikorra, Daniel J. 2,968,805.
Sikorra, Daniel J. 3,001,117.
Smiley, Bert L. 2,989,106.
Souder, Alan M. 2,990,719.
Sparrow, Hubert T. 2,977,050.
Sproull, William C., Jr. 3,010,681.
Stahl, William F. 2,989,870.
Stokes, Konrad H. 2,974,755.
Stone, Albert E. 2,968,471.
Taylor, William S. 2,967,429.
Thompson, John F. 2,991,653.
Thorsheim, Joseph O. 3,004,713.
Underwood, Orville J. 3,011,702.
Vocht, Martin R. 2,983,964.
Vogel, Clarence E. 2,971,144.
Vollmer, James. 2,984,148.
Wagner, Thomas C. G. 2,990,519.
Wagner, Thomas C. G. 2,994,826.
Watrous, Robert B. 2,969,678.
Watrous, Robert B. 2,972,443.
Werr, John F. 2,979,585.
Whitehead, Robert C., Jr. 2,987,913.
Wilkerson, John S. 2,973,497.
Wilkins, Robert E., Smith, and Flieder. 2,990,990.
Ziolkowski, Edward M. 2,981,934.

Minneapolis-Moline Co.: *See*—
Albertson, Victor N., and Paulson. 2,982,153.

Minner, Willy, to Telefunken G.m.b.H. Tuned transistor amplifier. 2,997,658, 8-22-61, Cl. 330—31.

Minnerly, George H.: *See*—
Bomke, Hans A., Minnerly, and Mount. 3,003,125.

Minnesota Mining and Mfg. Co.: *See*—
Anderson, Raymond T. 2,975,539.
Barnes, Carl E., Ney, and Park. 3,009,893.
Barnhart, William S., and Wade. 2,996,525.
Barnhart, William S., Zollinger, and Weber. 2,992,989.
Beck, Warren R., and Tung. 2,992,122.
Berg, Carl J., and Smith. 3,02,957.
Benning, Calvin J. 2,968,659.
Bollmeier, Emil W., and Vokaty. 2,967,795.
Bolstad, Archibald N., and Hoyt. 2,996,487.
Bolstad, Archibald N., and West. 3,006,881.
Bond, Herbert M., and Groff. 3,006,463.
Brown, Gordon C. 2,968,415.
Brown, Harvey A. 2,995,542.
Brundage, Clinton F. 2,989,912.
Crawford, George H., and Lo. 2,975,164.
De Neui, Richard P., Dickerson, Casey, and Larsen. 2,990,081.
Dipner, Charles D. 2,979,418.
Dipner, Charles D. 2,992,988.
Duwell, Ernest J., and Shepard. 3,002,932.
Errede, Louis A., and Peterson. 2,979,539.
Franer, Victor R. 2,984,596.
Fritts, Robert W. 2,989,281.
Fritts, Robert W., and Karrer. 2,972,653.
Fritts, Robert W., and Karrer. 2,972,654.
Fritts, Robert W., and Karrer. 3,001,126.
Fritts, Robert W., and Karrer. 3,013,097.
Hanford, William E. 2,970,093.
Hansen, Paul E., and Oace. 2,976,646.
Harrington, Thomas L., and Pederson. 3,011,412.
Hatch, Robert A. 3,001,571.
Hedin, Milton W. 3,013,653.
High, Stanley C. 3,011,632.
Holmen, Reynold E. 2,984,685.
Honn, Francis J. 2,985,620.
Honn, Francis J., and Sims. 2,999,854.
Huck, William V. 2,997,405.
Husted, Donald R. 2,993,925.
Jewell, Joseph W. 3,014,015.
Johnson, Edgar G., and Neher. 3,010,883.
Johnson, Edgar G., and Neher. 3,010,884.
Johnson, Edgar G., and Neher. 3,011,963.
Johnson, Stanley L. 3,000,149.
Johnson, Wayne R. Re. 24,956.
Johnson, Wayne R. 2,985,396.
Johnson, Wayne R. 2,995,693.
Johnson, Wayne R. 3,005,940.
Keryluk, Horace T., and Kyryluk. 2,970,773.
Krueger, Alfred P. 2,973,890.
Kuhrmeyer, Carl A. 2,976,415.
Levin, Everet J., and Leach. 3,012,219.
Libby, William H. 2,983,713.
Lo, Elizabeth S. 2,970,988.
Lo, Elizabeth S. 2,975,163.
Lo, Elizabeth S. 2,979,489.
Lo, Elizabeth S. 2,986,556.
Lo, Elizabeth S., and Crawford. 2,992,211.
Lodge, James R. 2,981,635.
Lodge, James R., Swenson, and Reichel. 2,981,636.
Long, Lamar E. 2,990,294.
Luedke, Walter E., Dahlquist, and Hendricks. 3,011,988.
Matthews, Russell B. 2,981,774.
Meyer, Vincent, and Payer. 2,991,165.
Miller, William T. 2,985,690.
Moebius, William H., and Vreeland. 2,993,949.
Mohrlant, Victor A. 2,969,203.
Mullin, John T. 2,977,579.
Nelson, Cecil M., Larsen, Goralski, and Rehwaldt. 3,000,434.
Nelson, Donald E. 2,969,971.
Ney, William O., Jr. 2,969,375.
Ney, William O., Jr. 2,973,343.
Ney, William O., Jr. 3,006,817.
Oace, Ralph J. 3,014,263.
Olson, Maynard H., and Lovness. 3,013,893.
Pahl, Walter H., Sandholtz, Elerts, and Goggin. 2,976,178.
Palmquist, Philip V. 3,014,409.
Polster, John A. 3,014,322.
Radimer, Kenneth J. 2,970,092.
Richey, Gilbert T., Jr. 2,995,465.
Riedesel, Richard G., and Brink. 2,985,941.
Schuldt, Donald A. 3,000,159.
Shrewsbury, Raymond W., Anderson, and Sohl. 3,001,886.
Snell, Robert B. 3,006,464.
Sohl, William E. 2,988,860.
Songas, John G. 3,013,892.
Sorensen, David P. 2,995,466.
Stivers, David A. 2,999,081.
Thomsen, Donald L. 2,980,551.
Tiers, George V. D. 2,972,638.
Ulrich, Erwin W. 2,973,286.
Ulrich, Erwin W. 3,008,850.
Vice, Charles L. 2,980,988.
Vice, Charles L., Dunn, and Fowler. 2,998,906.
Vanstrum, Robert C. 2,977,850.
Wasserman, David, and Swett. 3,014,006.
Wear, Robert L. 3,003,981.
Wear, Robert L., Olye, and Winthrop. 2,970,972.

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Weber, Victor. 3,005,382.
West, Fred W. 2,979,490.
West, Fred W. 2,992,991.
Wetzel, Wilfred W., and Schlater. 2,982,129.
Williams, Leo C., and Rounsefell. 2,987,099.
Youngquist, Robert J., and Hanes. 3,013,206.
Minnesota and Ontario Paper Co.: *See*—
Lauring, Edgar A. 2,971,856.
Minnesota Rubber Co.: *See*—
Carlson, Robert W., and Johnson. 2,992,870.
Minnich, John W., to E. I. du Pont de Nemours and Co. Preparation of crystal stable copper phthalocyanine. 3,014,917, 12–26–61, Cl. 260—314.5.
Minnick, Leonard J., to G. & W. H. Corson, Inc. High density fly ash fraction. 2,987,406, 6–6–61, Cl. 106—97.
Minnick, Leonard J., to G. & W. H. Corson, Inc. Pozzolanic material. 2,987,408, 6–6–61, Cl. 106—98.
Minnick, Leonard J., to G. & W. H. Corson, Inc. Light weight aggregate and method of making same. 2,987,411, 6–6–61, Cl. 106—288.
Minnick, Leonard J., to G. & W. H. Corson, Inc. Method for controlling smog. 2,991,014, 7–4–61, Cl. 239—2.
Minnick, Robert C., to Bell Telephone Laboratories, Inc. Magnetic core storage circuit. 2,972,130, 2–14–61, Cl. 340—174.
Minnick, Robert C., and E. S. Lee, III, to Burroughs Corp. Storage apparatus. 3,007,140, 10–31–61, Cl. 340—174.
Minobe, Mickey M., to Ideal Industries, Inc. Connector orienting device. 2,989,164. 6–20–61, Cl. 193—43.
Minock, Robert M. Livestock oiler. 2,988,050, 6–13–61, Cl. 119—157.
Minock, Robert M. Livestock oiler. 2,988,051, 6–13–61, Cl. 119—157.
Minock, Robert M. Insecticide applicator. 2,988,053, 6–13–61, Cl. 119—159.
Minor, Harry B.: *See*—
Nixon, Alan C., and Minor. 2,980,519.
Minor, Irene C., and J. A. Bennett, to United States of America, Commerce. Tape method for detecting fatigue cracks. 2,984,101, 5–16–61, Cl. 73—104.
Minor, John T.: *See*—
Craig, Louis E., and Minor. 3,005,792.
Craig, Louis E., and Minor. 3,009,949.
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Slater, Arthur B., Baker, and Minot. 3,009,119.
Minowitz, Wilbert, to Tung-Sol Electric Inc. Calibration circuit. 2,974,232, 3–7–61, Cl. 250—83.6.
Minowitz, Wilbert, and J. F. Grimm, to Tung-Sol Electric Inc. Ion chamber and circuit therefor. 2,975,288, 3–14–61, Cl. 250—83.6.
Minowitz, Wilbert, and F. E. Roth, to Tung-Sol Electric Inc. Ionization chamber. 3,004,165, 10–10–61, Cl. 250—83.6.
Minsk, Louis M.: *See*—
Illingsworth, Bernard D., and Minsk. 3,003,878.
Minsk, Louis M., to Eastman Kodak Co. Resinous mixed alkyl ester and carboxy ester lactones and preparation process therefor. 3,007,901, 11–7–61, Cl. 260—78.3.
Minsky, Marvin. Microscopy apparatus. 3,013,467, 12–19–61, Cl. 88—14.
Minton, Clarence W., to Morpul, Inc. Fabric control device. 3,013,414, 12–19–61, Cl. 66—9.
Minton, Ronald V. Blade holder. 2,984,003, 5–16–61, Cl. 30—162.
Mintz, Julius. Self-locking hinge. 2,966,697, 1–3–61, Cl. 16—144.
Mintz, Wilfred L., and R. J. Montgomery, to Glenair, Inc. Cable extension sleeve. 2,972,492, 2–21–61, Cl. 285—177.
Mintzer, Alfred I., to Radio Corp. of America. Time discriminator. 2,975,299, 3–14–61, Cl. 307—88.5.
Mintzer, Alfred I., to Radio Corp. of America. Pulse time discriminator circuit which eliminates transients induced by gating pulses. 2,983,873, 5–9–61, Cl. 328—109.
Mintzer, Lester, to Minneapolis-Honeywell Regulator Co. Shift register with impedance loading within the transfer loop. 2,995,732, 8–8–61, Cl. 340—174.
Minuti, Egidio. Joint lock. 2,994,888, 8–8–61, Cl. 5—296.
Mioduski, Chester A. Mail box indicator flag. 2,988,268, 6–13–61, Cl. 232—35.
Miquel, Jean: *See*—
Limido, Jean, Miquel, and Thonon. 3,006,844.
Miquelis, Eugène: *See*—
Aubert, Maurice, and Miquelis. 2,967,913.
Miquelis, Hermes. Casing for electronic or like parts. 2,970,182, 1–31–61, Cl. 174—52.
Miracki, Zdzislav S., and W. Friedlander, to Mono-Cam Ltd. Fuel injection pumps. 3,013,547, 12–19–61, Cl. 123—139.
Miramontes, Luis E., to G. D. Searle & Co. Process for the production of 3β-hydroxy-16α,17α-epoxy-5-pregnen-20-one. 3,004,967, 10–17–61, Cl. 260—239.55.
Miramontes, Luis E., M. A. Romero, and F. A. Farjat, to G. D. Searle & Co. 3β-alkanoyloxy-6-methyl-5,16-pregnadien-20-ones. 3,000,914, 9–19–61, Cl. 260—397.4.
Miranda, William. Trap. 2,971,650. 2–14–61, Cl. 210—447.
Mirin, William. Trouser cuff template. 3,003,240, 10–10–61, Cl. 33—2.
Mironoff, Nicolas, to Ateliers des Charmilles S.A. Servomechanism for controlling the movements of an electrode in an electro-erosion machine. 2,989,616, 6–20–61, Cl. 219—69.
Mirow, Nathan. Combination sanitary cover and cushion for the head rest on a dentist's chair. 2,997,338, 8–22–61, Cl. 297—220.
Mirra, Michael J.: *See*—
Fronmuller, George D., and Mirra. 2,974,106.
Mirrione, James J., to J. F. D. Mfg. Co., Inc. Adjustment means for reclining back chairs. 2,978,014, 4–4–61, Cl. 155—159.
Mirviss, Stanley B.: *See*—
Banes, Fred W., Mirviss, and Nelson. 2,994,689.
Mirviss, Stanley B., and E. J. Inchalik, to Esso Research and Engineering Co. Preparation of aluminum trialkyls. 2,987,535, 6–6–61, Cl. 260—448.
Mirviss, Stanley B., and O. C. Slotterbeck, to Esso Research and Engineering Co. Preparation of resins from aromatics and aldehydes. 3,000,859, 9–19–61, Cl. 260—67.
Misbin, Ted J.: *See*—
Frederick, Harold M., and Misbin. 2,995,364.
Misch, Robert D.: *See*—
Greenberg, Sherman, Misch, and Ruther. 2,970,885.
Mische, Friedrich: *See*—
Papke, Friedrich, and Mische. 2,984,145.
Mische, Friedrich, to Voigtlander A.G. Photographic measuring finder. 2,999,416. 9–12–61, Cl. 88—2.4.
Misco P. C., Inc.: *See*—
Operhall, Theodore, and Schwartz. 2,994,931.
Miscovich, John A., to J. A. Miscovich, P. E. Fillio, and J. M. Gaunlett Co., Inc. Control apparatus for multi-valves and the like. 2,976,742, 3–28–61, Cl. 74—471.
Miscovich, John A., to J. A. Miscovich, P. E. Fillio, and J. M. Gaunlett Co., Inc. Hydraulic control apparatus. 2,976,886, 3–28–61, Cl. 137—624.
Miscovich, John A., to The John A. Miscovich, Paul E. Fillio, and J. M. Gaunlett Co., Inc. Hydraulic monitor. 2,998,199, 8–29–61, Cl. 239—587.
Misener, Joseph A. Differential locking devices. 3,008,350, 11–14–61, Cl. 74—710.5.
Miserez, A. C., S.A.: *See*—
Guggi, Willi, and Turberg. 2,989,838.
Miserocchi, Henry F., to Barnes Engineering Co. Thermistor bolometers. 2,986,717, 5–30–61, Cl. 338—17.
Mishcon, Samuel, to Supreme Knitting Machine Co., Inc. Oscillating motion circular knitting machine. 2,988,905, 6–20–61, Cl. 66—19.
Mishelevich, Benjamin, and S. H. Tsiang, to Westinghouse Air Brake Co. Control circuit arrangement for speed measuring apparatus. 2,971,084, 2–7–61, Cl. 246—182.
Mishkin, Sidney, to Bac-A-Brand Products, Inc. Covered button. 2,996,777, 8–22–61, Cl. 24—108.
Mishkin, Sidney, to Bac-A-Brand Products, Inc. Covered button. 2,996,778, 8–22–61, Cl. 24—113.
Misik, Albert V.: *See*—
Hamilton, Donald A., Misik, and Zenick. 2,998,050.
Miskel, John J., and K. Wysocki, to Chas. Pfizer & Co., Inc. Apparatus for loading articles into partitioned cartons. 2,971,309, 2–14–61, Cl. 53—240.
Miskella, William J. Holder for elongated infrared heating lamp. 2,988,634, 6–13–61, Cl. 240—11.2.
Miskella, William J. Adjustable lighting fixture. 2,997,574, 8–22–61, Cl. 240—11.4.
Miskin, Richard B., to Miskin Scraper Works, Inc. Earth scrapers. 2,993,284, 7–25–61, Cl. 37—126.
Miskin Scraper Works, Inc.: *See*—
Miskin, Richard B. 2,993,284.
Misko, Stephen R. Game device. 3,008,719, 11–14–61, Cl. 273—144.
Missbach, Günther, to Firma Alkett Maschinenbau G.m.b.H. Apparatus for the continuous moulding of thermoplastic materials. 3,004,289, 10–17–61, Cl. 18—19.
Mission Mfg. Co.: *See*—
Ohls, Robert L., and Burgess. 2,982,296.
Rule, Clinton. 2,982,515.
Wheatley, Thomas. 2,969,492.
Wheatley, Thomas. 2,982,437.
Mission Valve and Pump Co.: *See*—
Wheeler, Joseph S., Jr. 3,007,488.
Mission-West Mfg. Co.: *See*—
Bennett, James C. 2,981,538.
Misson, William H., to Onox, Inc. Foot fluid dispenser. 2,988,754. 6–20–61, Cl. 4—182.
Misson, William H., to Zip Products Co. Direct action paper punch. 3,005,371, 10–24–61, Cl. 83—549.
Mistler, George R.: *See*—
Boyce, Walter A., and Mistler. 2,995,482.
Mistler, George R., and L. L. Nicolaro, to Westinghouse Electric Corp. Method of sealing a vitreous conduit. 2,983,078, 5–9–61, Cl. 49—78.
Mistretta, Vincent J.: *See*—
Walker, Richard M., Berkowitz, Blaisdell, and Mistretta. 2,980,873.
Misuraca, Louis J., to Sylvania Electric Products Inc. Photographic slide projector. 3,000,258, 9–19–61, Cl. 88—28.
Mital, Alfred J.: *See*—
Jones, John F., and Mital. 2,985,631.
Mital, Alfred J., and J. F. Jones, to The B. F. Goodrich Co. New hydrocarbon monomers and polymers and preparation of same. 2,996,488, 8–15–61, Cl. 260—88.1.
Mitani, Mitsuo. Method for purifying fatty oils and fats. 3,008,972, 11–14–61, Cl. 260—425.
Mitchel, Ralph H., and R. E. Schwyn, to General Motors Corp. Magnetic alloy. 2,975,339, 3–14–61, Cl. 317—158.
Mitchell, Alexander H.: *See*—
Ovacek, Richard A., and Mitchell. 2,984,385.

Mitchell, Arthur B., to Miehle-Goss-Dexter, Inc. Sheet gripper for printing presses. 2,972,300, 2–21–61, Cl. 101—412.

Mitchell, Boris J.: *See*—
Caris, Darl F., and Mitchell. 2,983,554.

Mitchell, Bruce, and W. E. Clark, to Ryan Aeronautical Co. Reinforcing means for attaching structural members to lightweight corrugated panels. 2,992,711, 7–18–61, Cl. 189—36.

Mitchell Camera Corp.: *See*—
Peterson, Niels G. 2,986,316.

Mitchell, Cecil C., and G. P. Sprenger. Automatic trailer brake. 2,987,147, 6–6–61, Cl. 188—140.

Mitchell, Charles F. Bowling ball pad with special ribs therein. 2,973,205, 2–28–61, Cl. 273—63.

Mitchell, Charles F. Smooth surfaced bowling ball with apertures therein. 2,979,334, 4–11–61, Cl. 273—63.

Mitchell, Charles F., and I. P. Lonier. Bowling ball door guard. 2,978,247, 4–4–61, Cl. 273—54.

Mitchell, Charles G., to Phillips Petroleum Co. Method for controlling dephlegmators. 2,974,100, 3–7–61, Cl. 208—341.

Mitchell, Charles G., to Phillips Petroleum Co. Gas absorption. 2,998,095, 8–29–61, Cl. 183—2.

Mitchell, Clarence W., to W. T. Sevald. Magnet operated switch. 2,969,445, 1–24–61, Cl. 200—87.

Mitchell, Curtis C., and G. A. Burgon, to American Mfg. Co. of Texas. Automatic control for counterbalance. 2,995,048, 8–8–61, Cl. 74—590.

Mitchell, Daniel L. Support structure. 3,012,627, 12–12–61, Cl. 182—104.

Mitchell, David C., and P. P. Love, to The Glacier Metal Co. Ltd. Bearing material. 2,995,462, 8–8–61, Cl. 117—8.

Mitchell, David L.: *See*—
Mitchell, Lois D. and D. L. 2,996,213.

Mitchell, David W., to The Oil Shale Corp. Calcining of gypsum. 2,994,523, 8–1–61, Cl. 263—53.

Mitchell, David W., to The Oil Shale Corp. Cooling of cement clinker. 3,003,757, 10–10–61, Cl. 263—53.

Mitchell, Doren, to Bell Telephone Laboratories, Inc. Telephone privacy system. 3,012,100, 12–5–61, Cl. 179—1.5.

Mitchell, Earland R., and F. D. Friedrich. Stoker grate. 2,967,496, 1–10–61, Cl. 110—38.

Mitchell, Earland R., and F. D. Friedrich, to Her Majesty The Queen in right of Canada, as represented by the Minister of Mines and Technical Surveys. Hollow stoker grate. 3,014,439, 12–26–61, Cl. 110—74.

Mitchell, Edward: *See*—
Churchill, Arthur V., and Mitchell. 2,971,827.
Churchill, Arthur V., and Mitchell. 2,971,828.
Churchill, Arthur V., and Mitchell. 2,996,366.

Mitchell, Edward, and R. J. McGuire, to Gulf Research & Development Co. Vanadium-containing residual fuels modified with calcium hypochlorite. 2,987,884, 6–13–61, Cl. 60—39.02.

Mitchell, Edward E., to United States of America, Air Force. Time-to-go mechanism. 3,000,568, 9–19–61, Cl. 235—193.

Mitchell, Edwin L.: *See*—
Rogers, Grant H., and Mitchell. 2,979,097.

Mitchell, Irving L., and S. S. Pressman, to Ebert Electronics Corp. Flasher system. 2,978,588, 4–4–61, Cl. 250—215.

Mitchell, James A., to Vapor Chemical Co. Handle warmer for fishing rods and the like. 2,997,042, 8–22–61, Cl. 126—208.

Mitchell, James R.: *See*—
Clapp, David M., and Mitchell. 2,989,169.

Mitchell, John E., Co., Inc.: *See*—
Mitchell, Orville. 2,986,015.

Mitchell, John F., to Motorola, Inc. Frequency modulation radio receiver. 2,975,274, 3–14–61, Cl. 250—20.

Mitchell, John G., to Socony Mobil Oil Co., Inc. Fired surface combustion or catalytic gas boiler. 2,967,094, 1–3–61, Cl. 23—284.

Mitchell, John G., to Socony Mobil Oil Co., Inc. Movement of granular solids into or out of high pressure vessels. 2,978,280, 4–4–61, Cl. 302—53.

Mitchell, John G., to Socony Mobil Oil Co., Inc. Pressure control in solids transfer systems. 3,009,588, 11–21–61, Cl. 214—17.

Mitchell, Joseph A.: *See*—
Works, Madden T., Mitchell, and Mooney. 2,990,895.

Mitchell, Joseph A., and W. M. Sanders. Turbodrill. 2,990,894, 7–4–61, Cl. 175—107.

Mitchell, Keith J.: *See*—
Gaunt, Ian A. B., and Mitchell. 2,998,370.
Millar, Robert N., and Mitchell. 2,997,435.

Mitchell, Leo A.: *See*—
Hedquist, Albert J., and Mitchell. 2,992,305.

Mitchell, Lewis T., Jr., to Allegheny Ludlum Steel Corp. Testing apparatus. 2,982,912, 5–2–61, Cl. 324—65.

Mitchell, Lois D. and D. L.; said D. Mitchell assor. to said L. D. Mitchell. Containers. 2,996,213, 8–15–61, Cl. 220—9.

Mitchell, Malcolm E. Hydraulic pipe vise. 2,981,131, 4–25–61, Cl. 80—17.2.

Mitchell, Michael. Turbodrill. 2,984,219, 5–16–61, Cl. 121—80.

Mitchell, Nicholas C. Combination matchbook and toothpick holder. 2,997,162, 8–22–61, Cl. 206—29.

Mitchell, Norris W.: *See*—
Akers, Carol C., and Mitchell. 2,986,514.

Mitchell, Omery E., to Turnbull Elevator of Canada Ltd. System for stopping elevators and the like. 2,994,025, 7–25–61, Cl. 318—204.

Mitchell, Orville, to John E. Mitchell Co., Inc. Refrigeration system control. 2,986,015, 5–30–61, Cl. 62—115.

Mitchell, Ottie C.: *See*—
Himler, Gary J., and Mitchell. 2,972,113.

Mitchell, Ottie C., and G. J. Himler, to North American Aviation, Inc. Time modulation circuit. 3,002,158, 9–26–61, Cl. 332—14.

Mitchell, Ray C. Device for use in the navigation of aircraft by employing transparencies of terrain features. 3,002,418, 10–3–61, Cl. 88—1.

Mitchell, Reid L., and P. H. Schlosser, deceased (E. S. Schlosser, executrix), to Rayonier Inc. Deresination of wood pulp. 2,999,045, 9–5–61, Cl. 162—77.

Mitchell, Robert F.: *See*—
Lange, Harry R., and Mitchell. 2,996,734.

Mitchell, Robert F., and E. B. Byam, to Textron Inc. Header or like mechanism. 2,983,152, 5–9–61, Cl. 74—38.

Mitchell, Robert L. Coin mat with holder for receiving advertising display. 2,984,923, 5–23–61, Cl. 40—323.

Mitchell, Robert L. Resilient mat construction. 2,999,431, 9–12–61, Cl. 94—13.

Mitchell, Ulyss S. Tape cartridge with belt drive. 2,971,715, 2–14–61, Cl. 242—55.13.

Mitchell, Ulyss S. Double-hub tape reel. 2,971,718, 2–14–61, Cl. 242—55.13.

Mitchell, Ulyss S., and R. F. Newton; said R. F. Newton, assor. to U. S. Mitchell. Magnetic tape reel with differentially connected double hub. 2,971,714, 2–14–61, Cl. 242—55.12.

Mitchell, Ulyss S., and A. R. Myers; said Myers assor. to said Mitchell. Differential hub magnetic tape reel. 2,971,717, 2–14–61, Cl. 242—55.13.

Mitchell, Wallace F.: *See*—
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Mitchell, William A.: *See*—
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Mitchell, William A., and W. C. Seidel, to General Foods Corp. Chocolate chiffon. 2,968,565, 1–17–61, Cl. 99—139.

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Bryan, Floyd E., Mitchell, and Wheelon. 3,007,427.

Mitchell, William J., and W. F. Moore, to Union Carbide Corp. Bonded molecular sieves. 2,973,327, 2–28–61, Cl. 252—449.

Mitchell, William L. Guide means for hand routers. 2,970,618, 2–7–61, Cl. 144—136.

Mite Corp.: *See*—
Caldwell, Samuel P. 3,014,444.
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Sakano, Takeshi, Masuda, Toda, and Atobe. 2,982,705.

Mitsuyasu, Robert U. Tow bar. 3,011,800, 12–5–61, Cl. 280—482.

Mittag, Fritz, and J. Lindner, to International Standard Electric Corp. Arrangement to produce electrical signals in belt conveyors using containers. 2,980,235, 4–18–61, Cl. 198—38.

Mittag, Fritz, and J. Lindner, to International Standard Electric Co. Data sensing routing control arrangement. 2,997,253, 8–22–61, Cl. 243—16.

Mittag, Werner. Process of and apparatus for the manufacture of flexible tubing consisting of plastic strips wound into intermeshing convolutions. 2,994,104, 8–1–61, Cl. 18—12.

Mittelberger, Ernest G., to Paul Masson, Inc. Containers. 3,006,165, 10–31–61, Cl. 62—371.

Mittelberger, Karl-Heinz, E. Hambsch, and H. Hahne, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Herbicidal compositions and method. 2,993,777, 7–25–61, Cl. 71—2.7.

Mittelmann, Eugene, to Minneapolis-Honeywell Regulator Co. Liquid quantity measuring apparatus. 2,968,181, 1–17–61, Cl. 73—304.

Mittelmann, Eugene. Electromagnetic induction flowmeter. 3,002,383, 10–3–61, Cl. 73—194.

Mitten, Robert W., to Sheller Mfg. Co. Method of manufacturing articles of diisocyanate foam having protective skin coatings thereon. 3,011,218, 12–5–61, Cl. 18—59.

Mittendorf, Harvey C., to Combustion Engineering, Inc. Safety burner control. 2,986,209, 5–30–61, Cl. 158—28.

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Cunningham, Alexander Y., and Mittendorf. 2,984,901.

Mitter, Laurence J., to General Motors Corp. Domestic appliance. 2,991,990, 7–11–61, Cl. 263—33.

Mittermaier, Armin F., and A. F. Wilcox, to General Electric Co. Coil insulating and lead anchoring means for transformers. 3,011,140, 11–28–61, Cl. 336—198.

Mitz, Milton A., to Armour and Co. Process for preparing an egg product. 3,014,805, 12–26–61, Cl. 99—210.

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Miura, Yuzo, T. Tsukada, and S. Hayashi, to Tokyo Shibaura Electric Co., Ltd. Method of manufacturing antistatic record disks. 2,993,234, 7–25–61, Cl. 18—48.3.

Mix, Harry C.: *See*—
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Mixer, Robert Y., to Union Carbide Corp. Cyclosiloxane polymers. 2,975,202, 3–14–61, Cl. 260—448.2.
Mixner, Edward F. Combined sight tube and magnetic compass. 2,970,510, 2–7–61, Cl. 88—2.3.
Miyasaka, Toru, to Yashica Co., Ltd. Film frame counting means. 2,985,083, 5–23–61, Cl. 95—31.
Miyauchi, Hideo, to Yashica Co., Ltd. Speed governor for motion-picture devices. 2,990,035, 6–27–61, Cl. 188—187.
Miyauchi, Hideo, to Yashica Co., Ltd. Optical filter compensation means coupled to exposure-responsive device. 2,999,443, 9–12–61, Cl. 95—10.
Miyauchi, Hideo, to Yashica Co., Ltd. Turret detent means. 2,999,444, 9–12–61, Cl. 95—45.
Miyazaki, Sadamaru: *See*—
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Mize, Doyle D., P. C. Sundt, and M. A. Drews, to Mandrel Industries, Inc. Seismic recording and playback apparatus. 2,980,885, 4–18–61, Cl. 340—15.
Mizia, Rose V., and K. F. Nallenweg, to United States Steel Corp. Holder for sheet-metal sample. 2,987,460, 6–6–61, Cl. 204—195.
Mizusawa, Frank S. Apparatus for supplying chemicals to irrigation systems. 2,983,075, 5–9–61, Cl. 47—1.
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Mlavsky, Abraham I., to The General Electric Co. Ltd. Production of semi-conductor bodies by impurity diffusion through stationary interface. 2,973,290, 2–28–61, Cl. 148—1.5.
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Moakler, William A., to Automatic Switch Co. Non-linear time delay circuit and relay. 2,997,631, 8–22–61, Cl. 317—147.
Moakler, William A., to Automatic Switch Co. Frequency-responsive relay system. 2,998,551, 8–29–61, Cl. 317—147.
Moan, Jeanne C., to Mobac Laboratories, Inc. *E. histolytica* diagnostic antigen and production thereof. 2,975,100, 3–14–61, Cl. 167—84.5.
Moar, John. Floating conveyor belt. 2,998,122, 8–29–61, Cl. 198—201.
Moates, Guy H., B. Rubin, and W. B. Jackson, to United States of America, Air Force. Apparatus for continuous preparation of ultrapure silicon. 3,006,787, 10–31–61, Cl. 23—264.
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Chambers, Frank H., and Moats. 3,004,580.
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Moan, Jeanne C. 2,975,100.
Mobarry, John W.: *See*—
Carlson, William L., Jr., and Mobarry. 2,971,129.
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Bärtel, Gunter. 3,012,269.
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Bunge, Wilhelm, and Mielke. 3,007,894.
Foster, William C. 3,012,283.
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Gurley, Jesse F., Jr. 2,969,960.
Gurley, Jesse F., Jr. 2,970,817.
Hardy, Edgar E. 2,994,110.
Holtschmidt, Hans, Bayer, Muller, and Nischk. 3,005,803.
Holtschmidt, Hans, Muller, and Bayer. 2,999,082.
Holtschmidt, Hans, Nischk, and Kallert. 2,998,413.
Hoppe, Peter. 2,993,233.
Hoppe, Peter, Breer, and Weinbrenner. 3,005,624.
Hudson, George A. 2,995,531.
Hudson, George A. 3,012,984.
Kniepkamp, Ernst. 3,004,807.
Kniepkamp, Ernst, and Reuter. 2,999,707.
Kordes, Heinrich. 2,982,536.
McElroy, Wilbur R. 2,969,386.
Muhlhausen, Cornelius, and Genski. 2,981,719.
Muller, Erwin. 2,998,403.
Muller, Erwin, and Bayer. 2,999,844.
Muller, Erwin, Bayer, and Petersen. 3,014,894.
Muller, Erwin, Wiegand, and Braun. 3,004,933.
Nehse, Ulrich, and Reuter. 3,011,197.
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Piepenbrink, Hans-Frank and U., and Windemuth. 3,001,973.
Pigott, Kenneth A., and Frye. 3,012,992.
Reuter, Franz G. 2,969,656.
Reuter, Franz G. 2,981,573.
Reuter, Franz G. 2,984,963.
Reuter, Franz G., and Igelbrinck. 2,999,717.
Reuter, Franz G., and Kindel. 2,971,356.
Reuter, Franz G., and Kordes. 2,985,916.
Reuter, Franz G., and Nagenborg. 2,972,360.
Reuter, Franz G., and Nagenborg. 3,005,471.
Reuter, Franz G., and Ulderup. 2,983,504.
Schmidt, Fritz, and Braun. 3,007,883.
Schultheis, Heinz, Kallert, Nordt, and Delfs. 3,012,991.
Schwenk, Kurt. 2,998,717.
Steinfatt, Fritz, Braun, and Schmidt. 3,006,870.
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Ulderup, Jürgen, and Reuter. 2,999,679.
Wagner, Kuno. 2,987,504.
Wagner, Kuno, and Muller. 2,976,261.
Weinbrenner, Erwin, Hoppe, and Breer. 3,009,209.
Moberg, Sigurd M., to E. J. Brooks Co. Machine for applying tags. 2,978,705, 4–11–61, Cl. 1—2.
Moberg, Sigurd M., to E. J. Brooks Co. Tag applying apparatus. 2,978,706, 4–11–61, Cl. 1—2.
Moberg, Sigurd M., to E. J. Brooks Co. Hand-closable dual seal. 2,980,462, 4–18–61, Cl. 292—315.
Moberg, Sigurd M., to E. J. Brooks Co. Plunger-type lock. 3,002,368, 10–3–61, Cl. 70—14.
Moberly, Charles W., to Phillips Petroleum Co. Method of controlling pressure and liquid level in a vessel. 2,974,130, 3–7–61, Cl. 260—94.7.
Moberly, Charles W., to Phillips Petroleum Co. Apparatus for controlling pressure and liquid level in a vessel. 3,003,515, 10–10–61, Cl. 137—210.
Mobley, William R. Means for treating air to provide comfort in hot and cold weather. 2,967,051, 1–3–61, Cl. 261—142.
Mobley, William R. Method and means for circulating air under pressure of radially propelled horizontal jets. 2,968,437, 1–17–61, Cl. 230—259.
Mobile Incinerators, Inc.: *See*—
Brandt, John B., Noel, Kelly, and Burns. 2,985,120.
Mobile Pipe Corp.: *See*—
Vassar, Clyde W. 3,014,118.
Möbius, Hans-Eberhard, to Vereinigte Deutsche Metallwerke Aktiengesellschaft. Process for the production of sheets or strips with oriented magnetic properties from silicon and/or aluminum containing iron alloys. 3,008,856, 11–14–61, Cl. 148—111.
Möbius, Hans-Eberhard, to Vereinigte Deutsche Metallwerke Aktiengesellschaft. Process for the production of grain oriented magnetizable strips and sheets. 3,008,857, 11–14–61, Cl. 148—111.
Mocarski, Zenon R. Valve. 3,002,506, 10–3–61, Cl. 123—73.
Mocerino, Augustus P. and E. A. Material handling device. 2,996,111, 8–15–61, Cl. 158—13.6.
Mocerino, Egisto A.: *See*—
Mocerino, Augustus P. and E. A. 2,996,111.
Mocey, Walter G.: *See*—
D'Aleandro, Nicholas J., Mocey, and Zearfoss. 2,978,884.
Mochel, John M., to Corning Glass Works. Chemical nickel plating on ceramic material. 2,968,578, 1–17–61, Cl. 117—54.
Mock, Frank C., to The Bendix Corp. Fuel feed and power control system for gas turbine engines having means for avoiding compressor stall. 2,971,336, 2–14–61, Cl. 60—39.28.
Mock, Frank C., to The Bendix Corp. Gas turbine engine control. 2,977,757, 4–4–61, Cl. 60—39.28.
Mock, Frank C., to The Bendix Corp. Fuel control apparatus. 3,002,338, 10–3–61, Cl. 60—35.6.
Mock, Leon R.: *See*—
Lubkin, Samuel, Mock, and Rasdal. 2,998,292.
Mock, Richard A.: *See*—
Hampton, Thomas C., and Mock. 2,993,782.
Mock, Richard A., R. C. Calkins, and C. A. Marshall, to The Dow Chemical Co. Treatment of aqueous liquid solutions of chelate-forming metal ions with chelate exchange resins. 2,980,607, 4–18–61, Cl. 210—31.
Mocker, William A.: *See*—
Zimsky, John J., Mocker, and Boyd. 3,003,225.
Mockrin, Isadore, to Pennsalt Chemicals Corp. Production of metal fluorides. 2,972,515, 2–21–61, Cl. 23—88.
Moco Industrial Equipment, Inc.: *See*—
Fekete, Francis A., Mansell, and Moco. 3,001,651.
Moco, John P.: *See*—
Fekete, Francis A., Mansell, and Moco. 3,001,651.
Mod, William A.: *See*—
Fredrickson, Robert E., Mod, and Harrell. 2,985,508
Pennington, Donald W., Ballard, and Mod. 2,996,356.
Modderman, Pieter, W. J. van der Burg, and L. A. van Dijck, to Organon Inc. Process for the preparation of 20-monoenol acylates of 11,20-diketo steroids. 2,989,553, 6–20–61, Cl. 260—397.45.
Modderno, John P., to Modern-Lab, Inc. Pressurized dispensing device. 2,973,883, 3–7–61, Cl. 222—94.
Modderno, John P., to Modern-Lab, Inc. Topical analgesic composition. 2,975,097, 3–14–61, Cl. 167—52.
Modderno, John P., to Modern-Lab., Inc. Skin treating composition and method. 2,996,432, 8–15–61, Cl. 167—90.
Model, Ernst, J. Bindler, and R. Zinkernagel, to J. R. Geigy, A.-G. Bactericidal composition. 2,999,047, 9–5–61, Cl. 167—33.
Model Plastic Corp.: *See*—
Cohn, David. 2,973,573.
Cohn, David. 2,997,811.
Cohn, David. 3,000,136.
Cohn, David. 3,005,283.
Modelli, Renato: *See*—
Camerino, Bruno, Modelli, and Patelli. 2,999,870.
Modernair Corp.: *See*—
Goldring, John E. 2,976,844.
Goldring, John E. 2,976,845.
Goldring, John E. 2,976,852.
Modern Dust Bag Co., Inc.: *See*—
Goldberg, Harry. 2,975,862.
Sosnowich, Michael. 2,975,863.
Modern Engineering Co.: *See*—
Fausek, Irwing F., and Reedy. 2,971,742.
Modern Faucet Mfg. Co.: *See*—
Ward, Irving A. 2,998,824.

Modern-Lab, Inc.: *See*—
Modderno, John P. 2,973,883.
Modderno, John P. 2,975,097.
Modderno, John P. 2,996,432.

Modern Metal Products Co.: *See*—
Beckman, Ernest C. 2,977,785.
Smith, Harvey J. 2,987,195.
Smith, Harvey J. 3,012,348.

Modern Products Co., Inc.: *See*—
Paine, Stuart R., and Pyle. 3,008,176.

Modern Telephones (Great Britain) Ltd.: *See*—
Cawthra, William A. 3,008,092.

Modern Village Stores, Inc.: *See*—
Carson, Lawrence E. 3,008,584.

Modes, Edward E., to The Dole Valve Co. Fluid pressure regulating valve. 2,982,297, 5–2–61, Cl. 137—271.

Modiano, Jacques: *See*—
Chatelin, Bernard, Modiano, and Weiss. 3,014,065.
Weiss, Francis, Modiano, and Marion. 3,006,950.

Modiano, Jacques, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Manufacture of methyl methacrylate. 2,987,542, 6–6–61, Cl. 260—486.

Modic, Frank J., to General Electric Co. Silicone rubber of improved tear strength. 2,979,479, 4–11–61, Cl. 260—37.

Modica, Joseph, Jr., and R. H. Ensign, to Tudor Metal Products Corp. Racing game. 3,011,787, 12–5–61, Cl. 273—86.

Modin, John. Nut holding and starting tool. 2,984,134, 5–16–61, Cl. 81—53.

Modine, Arthur B., to Modine Mfg. Co. Method of radiator core fin assembly and fin element therefor. 2,983,483, 5–9–61, Cl. 257—130.

Modine Mfg. Co.: *See*—
Modine, Arthur B. 2,983,483.
Morse, James D. 3,003,749.
Peterson, Stanley W., and Danzer. 2,981,648.
Simpelaar, Clyde S. 2,985,433.
Simpelaar, Clyde S. 3,001,466.

Modine, Thomas B. Spray producing scoop for water-borne objects. 2,983,508, 5–9–61, Cl. 272—8.

Modrey, Henry J. Continuous outlet strip. 2,970,286, 1–31–61, Cl. 339—14.

Modrey, Henry J. Releasable self-locking coupling. 2,990,597, 7–4–61, Cl. 24—211.

Modrey, Joseph: *See*—
Fazekas, Gabriel A. G., and Modrey. 2,992,615.

Modrich, Jack L. Hydraulic cylinder and check valve therefor. 2,989,299, 6–20–61, Cl. 267—1.

Modular Buildings, Inc.: *See*—
Thompson, Harold D. 2,982,055.

Moe, Walter W. Bolt gauge. 2,981,005, 4–25–61, Cl. 33—178.

Moe, William W., to Time, Inc. Non-linear impedance modulation system. 3,013,223, 12–12–61, Cl. 332—52.

Moebius, William H., and G. H. Vreeland, Jr., to Minnesota Mining and Mfg. Co. Electrical insulating tape and article formed therewith. 2,993,949, 7–25–61, Cl. 174—124.

Moeckel, Max O. Rivet removal device for aircraft brakes. 2,979,243, 4–11–61, Cl. 225—97.

Moehring, William D. Binaural magnetic pickup heads. 3,005,879, 10–24–61, Cl. 179—100.2.

Moellendorf, Riz, to Nu-Lift Co., Inc. Maternity girdle. 2,981,258, 4–25–61, Cl. 128—527.

Moeller, Alvin W.: *See*—
Rupp, William E., and Moeller. 2,972,148.

Moeller, Axel, to Moeller Mfg. Co., Inc. Bailer plug. 2,978,138, 4–4–61, Cl. 220—24.5.

Moeller, Axel, to Moeller Mfg. Co., Inc. Boat drain plug. 2,997,975, 8–29–61, Cl. 114—183.

Moeller, Axel, to Moeller Mfg. Co., Inc. Remote control boat bailer. 3,004,511, 10–17–61, Cl. 114—185.

Moeller, Axel, to Moeller Mfg. Co., Inc. Vacuum ware stopper. 3,004,680, 10–17–61, Cl. 215—53.

Moeller, Calvin E. Safety belt apparatus for automobiles. 2,990,009, 6–27–61, Cl. 155—189.

Moeller, Carl A.: *See*—
Claff, Chester E., and Moeller. 2,969,906.

Moeller, Delmer H., and D. R. Gray, to The Dow Chemical Co. Honeycomb fabrication. 3,007,834, 11–7–61, Cl. 156—197.

Moeller, John D., T. R. Scarff, and G. M. Sturm, to General Motors Corp. Gas driven hydraulic pump. 2,986,094, 5–30–61, Cl. 103—51.

Moeller, Kurt G. F., to United States of America, Navy. Shock resistant foundation. 2,968,458, 1–17–61, Cl. 248—19.

Moeller, Kurt G. F., to United States of America, Navy. Cooling water systems for condensers. 2,990,797, 7–4–61, Cl. 114—.5.

Moeller Mfg. Co., Inc.: *See*—
Moeller, Axel. 2,978,138.
Moeller, Axel. 2,997,975.
Moeller, Axel. 3,004,511.
Moeller, Axel. 3,004,680.

Moeller & Neumann G.m.b.H.: *See*—
Albedyhl, Karl H. 2,976,749.

Moeller, Therald: *See*—
Williams, Forrest V., Ruehrwein, and Moeller. 2,974,064.

Moelter, Gregory M., and J. L. Riley, to Celanese Corp. of America. Process for spinning polyvinyl alcohol filaments and remaining impurities therefrom. 2,994,576, 8–1–61, Cl. 18—54.

Moeltzner, Ernst F. W., and J. Hubl, to Landis Machine Co. Rolling mechanisms. 2,974,549, 3–14–61, Cl. 80—6.

Moen, Alfred M. Body forming valve chamber and stem mounting. 2,975,806, 3–21–61, Cl. 137—625.17.

Moen, Alfred M. Handle and valve stem connection for mixing faucet. 2,978,917, 4–11–61, Cl. 74—104.

Moen, Alfred M. Aerator. 2,995,309, 8–8–61, Cl. 239—432.

Moen, Alfred M. Faucet and mounting. 3,010,474, 11–28–61, Cl. 137—359.

Moen, Alfred M. Anti-siphoning device. 3,011,512, 12–5–61, Cl. 137—218.

Moen, Erick. Tail stocks for milling machines. 2,970,524, 2–7–61, Cl. 90—23.

Moerman, Nathan A., to Potter Instrument Co., Inc. Saturable reactor system for information storage, comparison and read-out. 2,967,294, 1–3–61, Cl. 340—149.

Moes, Geert: *See*—
Beersma, Pieter J. A., and Moes. 2,967,110.

Moessner, Frank C.: *See*—
Pittman, Harold S. 3,001,761.

Moesta, Hasso, to National Research Corp. Process for the production of ion-emitting surfaces, particularly for halogen leak detectors. 2,979,631, 4–11–61, Cl. 313—63.

Moffats Ltd.: *See*—
Smith, Elmore S. and David G. 3,002,079.

Moffatt, Robert S. M., and K. Storer, to Whessoe Ltd. Ultrasonic test apparatus. 3,002,375, 10–3–61, Cl. 73—67.8.

Moffatt, Vivian A.: *See*—
Shimmon, James D., and Moffatt. 3,014,888.

Moffet, Samuel N. Transparent gauge. 2,994,964, 8–8–61, Cl. 33—184.5.

Moffett, Fred P.: *See*—
Cathcart, Jack F., and Moffett. 2,966,908.

Moffett, John: *See*—
Burley, Charles C., and Moffett. 2,995,166.

Moffett, Robert B., to The Upjohn Co. Spiro(cycloalkylpyrrolidyl)-α,α-diphenyl alkanoamides. 2,971,961, 2–14–61, Cl. 260—313.

Moffett, Robert B., and J. L. White, to The Upjohn Co. Alpha-five carbon cyclic hydrocarbon mandelic acid esters of beta-pyrrolidino-ethanol. 2,993,054, 7–18–61, Cl. 260—326.3.

Moffitt, George W., to Smith-Dieterich Corp. Mosaic motion picture photography. 2,993,407, 7–25–61, Cl. 88—16.6.

Moffitt, William R., and M. B. Berkey, to The Borden Co. Adhesive comprising phenol aldehyde resin and water dispersible gum. 2,967,836, 1–10–61, Cl. 260—17.2.

Mogard, Johan H., and S. J. Svensson, to Aktiebolaget Atomenergi. Process for the production of anhydrous fluorides. 2,972,513, 2–21–61, Cl. 23—14.5.

Mogk, Karl J.: *See*—
Fabere, Raymond W., and Mogk. 2,971,595.

Mohan, William L.: *See*—
Willits, Samuel P., and Mohan. 3,002,420.

Mohan, William L., Jr.: *See*—
Willits, Samuel P., Mohan, and McCarty. 2,967,470.

Mohan, William L., Jr., to Chicago Aerial Industries, Inc. Variable output rectifier system for electric motor. 2,986,687, 5–30–61, Cl. 318—331.

Mohasco Industries, Inc.: *See*—
McKnight, Stewart. 2,967,549.
Rice, Walter A. 2,985,124.
Richardson, Maurice. 2,995,340.
Shuttleworth, Edwin C., and Hamilton. 3,012,393.
Stanton, Haskell M. 2,993,515.

Mohaupt, Henry H., to Welex, Inc. Projectile. 2,974,595, 3–14–61, Cl. 102—56.

Mohawk Sporting Equipment Co.: *See*—
Rothgery, Harold F. 2,980,097.

Mohler, Donald: *See*—
Cronquist, Norman W., and Mohler. 2,973,465.

Mohler, Donald, and N. W. Cronquist, to General Electric Co. Electrolytic capacitor and electrolyte therefor. 3,001,108, 9–19–61, Cl. 317—230.

Mohler, Harvey H. Chair with adjustable back. 2,992,855, 7–18–61, Cl. 297—353.

Mohler, Robert D., to Motorola, Inc. Transistor power supply. 2,968,739, 1–17–61, Cl. 307—150.

Mohn, Heinrich E., to Heraeus Quarzschmelze G.m.b.H. Feed roller for rolling mill. 2,988,803, 6–20–61, Cl. 29—132.

Mohnkern, Gerald E., to United States Steel Corp. Method of confining gas within a chamber. 2,986,484, 5–30–61, Cl. 148—16.6.

Mohr, Erich: *See*—
Bothmann, Hans, and Mohr. 2,984,902.

Mohr, George: *See*—
Erekson, Arthur B., Steinke, and Mohr. 2,970,922.

Mohr, Paul H.: *See*—
Garcis, Paul J., and Mohr. 3,011,912.

Mohr, Robert G.: *See*—
Lappin, Richard J., and Mohr. 2,999,662.

Mohrbacher, Richard J.: *See*—
McLean, Richard A., and Mohrbacher. 2,987,442.

Mohring, Donald H.: *See*—
Strieby, Robert M., and Mohring. 2,984,107.

Möhring, Gustav, to Famatex G.m.b.H. Combined feeler gripper and pin-set chain link. 2,968,084, 1–17–61, Cl. 26—62.

Mohring, Gustav. Nozzle on heat-treatment machines for textile fabrics and the like. 3,002,700, 10–3–61, Cl. 239—455.

Mohrlant, Victor A., to Minnesota Mining & Mfg. Co. Magnetic recording tape reel. 2,969,203, 1–24–61, Cl. 242—74.
Mohrman, Harry L., to Chelsea Products, Inc. Ventilator. 2,982,198, 5–2–61, Cl. 98—43.
Mohrman, John H. Tire clip for traction. 2,985,215, 5–23–61, Cl. 152—225.
Mohun, William A.: *See*—
Morse, Harold H., and Mohun. 3,011,864.
Moilanen, Anna E. Paint applying device of the roller type. 2,994,899, 8–8–61, Cl. 15—244.
Moisture Register Co.: *See*—
Mead, Carver A. 2,984,784.
Moklebust, Olav, to R-N Corp. Process for dressing ores. 2,980,346, 4–18–61, Cl. 241—14.
Moklebust, Olav, and H. Bjoeraanesset, to National Lead Co. Oxidation of trivalent titanium compounds contained in solid titaniferous materials. 2,980,508, 4–18–61, Cl. 23—202.
Moklebust, Olav, G. Olavesen, and H. Bjoranesset, to National Lead Co. Method for oxidizing trivalent titanium in solid titanium oxide containing materials. 2,990,250, 6–27–61, Cl. 23—202.
Moksu, Walter H.: *See*—
Shockroo, James E., and Moksu. 2,996,590.
Moksu, Walter H., and H. D. Epstein, to Texas Instruments Inc. Thermostat. 3,013,138, 12–12–61, Cl. 200—113.
Mokveld, Nicolaas J.: *See*—
Van Aken, Gerardus M. J., and Mokveld. 2,993,502.
Molander, Lars E., to Union Carbide Corp. Separation process. 2,977,290, 3–28–61, Cl. 202—42.
Molecu-Wire Corp.: *See*—
Edmunds, Edward E., Lichter, and Poch. 2,996,378.
Molde, Paul V. Method of and a composition for treating tobacco or tobacco article treated by such method or composition. 3,010,851, 11–28–61, Cl. 131—17.
Moler, Charles C., to Overhead Door Corp. Door lock. 2,988,909, 6–20–61, Cl. 70—146.
Moler, Edwin S., Jr., to Hercules Powder Co. Method of lubricating a gas turbine engine. 3,000,827, 9–19–61, Cl. 252—56.
Moler, George L., to E. I. du Pont de Nemours and Co. Felted fabric and process for producing. 2,991,536, 7–11–61, Cl. 28—72.2.
Moler, George L., to E. I. du Pont de Nemours and Co. Staple fiber blends. 3,007,227, 11–7–61, Cl. 28—81.
Moler, George L., and B. F. Adams, Jr., to E. I. du Pont de Nemours & Co. Method of making felt-like fabric. 2,991,537, 7–11–61, Cl. 28—72.2.
Moles, Oliver W.: *See*—
Gendvil, Leonard W., and Moles. 2,999,055.
Molinaro, Lawrence J., to Reserve Mining Co. Housing for spray lubricating system. 3,006,439, 10–31–61, Cl. 184—6.
Moline, Harry A., and E. Martin, to Moline, Inc. Water ski harness. 2,970,325, 2–7–61, Cl. 9—310.
Moline, Inc.: *See*—
Moline, Harry A., and Martin. 2,970,325.
Moline Machine Co. Ltd.: *See*—
Jackson, Norman W. 3,009,557.
Pocock, Frederick. 3,013,659.
Moline, Paul R., Sr., to General Industrial Supply Corp. Apparatus for cooling and agitating liquids to prevent stratification. 2,986,895, 6–6–61, Cl. 62—129.
Moline, Robert E.: *See*—
Del Faro, Gordon P., Moline, and Conaway. 2,980,946.
Moline Tool Co.: *See*—
Hayes, August R. 3,004,271.
Hayes, August R. 3,011,368.
Molins, Alberto: *See*—
Marchionda, Gerardo A., and Molins. 3,003,799.
Molins, Desmond W., to Molins Machine Co. Ltd. Apparatus for making mouthpiece cigarettes. 2,990,831, 7–4–61, Cl. 131—94.
Molins, Desmond W., to Molins Machine Co. Ltd. Cigarette making machinery. 3,004,539, 10–17–61, Cl. 131—109.
Molins, Desmond W., and G. F. W. Powell, to Molins Machine Co. Ltd. Device for segregating selected cigarettes. 3,001,648, 9–26–61, Cl. 209—81.
Molins Machine Co. Ltd.: *See*—
Chalmers, John W. 2,994,167.
Chalmers, John W., Hall, and Roffey. 2,999,345.
Chalmers, John W., and Jackson. 2,984,384.
Labbé, Francis A. M. 2,972,993.
Molins, Desmond W. 2,990,831.
Molins, Desmond W. 3,004,539.
Molins, Desmond W., and Powell. 3,001,648.
Pembroke, George F. 3,004,374.
Powell, Gordon F. W. 2,969,465.
Powell, Gordon F. W. 2,998,525.
Rowlands, Tom. 3,000,488.
Youngman, Derek H. 2,968,419.
Molique, Lawrence G., to Phillips Petroleum Co. Fluid-liquid contacting apparatus. 2,988,347, 6–13–61, Cl. 261—141.
Molitor, Arvid A. Tapping spindle feed and drive means. 2,981,961, 5–2–61, Cl. 10—138.
Molitor, Robert B.: *See*—
Dill, Leslie G., and Molitor. 3,014,199.
Molitor, Robert P., to A. G. Spalding & Bros., Inc. Golf ball and method of making the same. 2,998,977, 9–5–61, Cl. 273—225.
Molla Inc.: *See*—
Monroe, Robert H., Culbreth, and Molla. 2,986,439.
Mollard, Paul, to Societe d' Electro-Chimie d' Electro-Metallurgie et des Acieries Electriques d'Ugine. Process of making a sodium chlorite product and product obtained thereby. 3,006,721, 10–31–61, Cl. 23—85.
Mollenberg-Betz Machine Co.: *See*—
Benson, James M. 2,980,432.
Möller, Carl F., to Aktiebolaget Bahco. Methods of forming a tang-receiving recess in wooden handles for knives or other tools or the like. 3,014,512, 12–26–61, Cl. 144—321.
Moller, Hugo, to Svenska Aeroplan Aktiebolaget. Hydraulic press. 3,005,431, 10–24–61, Cl. 113—44.
Möller, Karl E.: *See*—
Koch, Herbert, and Möller. 2,967,873.
Möller, Karl E., and G. Wilke, to Studiengesellschaft Kohle m.b.H. Cyclic carboxylic acids and esters, and a process for the production of cyclic carboxylic acids and/or their esters from cyclododecatrienes. 3,014,062, 12–19–61, Cl. 260—468.
Mollin, George: *See*—
Gibbs, Walter, and Mollin. 3,007,128.
Molling, Heinrich. Method of starting crushers. 2,974,885, 3–14–61, Cl. 241—30.
Molloy, Everett W., to Beckman Instruments, Inc. Triggering and measuring circuit for radiation integration and other purposes. 3,011,059, 11–28–61, Cl. 250—83.6.
Molloy, Everett W., and N. B. Braymer, to Beckman Instruments, Inc. Self-zeroing amplifier. 2,970,266, 1–31–61, Cl. 324—123.
Molnar, Charles: *See*—
Traite, Max, and Molnar. 2,984,535.
Molnar, Imre: *See*—
Glenner, Edward J., and Molnar. 2,975,236.
Molnar, Robert J., to The Bendix Corp. Transistor amplifier circuit. 2,977,546, 3–28–61, Cl. 330—25.
Molner, Ida: *See*—
Gal, Andrew. 3,008,465.
Moloney Electric Co.: *See*—
Cooper, Alfred S. 3,006,572.
Winter, David F. 2,993,146.
Moloney, Herbert J. Power generating device. 2,979,888, 4–18–61, Cl. 60—23.
Moloney, Peter J.: *See*—
Tosoni, Anthony L., Moloney, Goldsmith, and Glass. 2,978,447.
Moloney, Raymond T.: *See*—
Breitenstein, Charles T. 2,971,361.
Nicolaus, Frank G. 3,010,055.
Tobias, Arthur A. 2,994,420.
Molotsky, Hyman M.: *See*—
Levin, Alfred A., and Molotsky. 2,967,126.
Molotsky, Hyman M., to Velsicol Chemical Corp. Production of pesticidal compounds. 2,993,076, 7–18–61, Cl. 260—617.
Molotsky, Hyman M., to Velsicol Chemical Corp. Tricyclic ketone and process of preparation. 2,995,606, 8–8–61, Cl. 260—586.
Molotzak, George C. Water jet powered boat. 3,009,436, 11–21–61, Cl. 115—16.
Molt, Richard P.: *See*—
Phillips, Earl A., and Molt. 3,010,684.
Molt, Richard P., to Stanray Corp. Composite rubber-steel wheel tread. 2,969,254, 1–24–61, Cl. 295—31.
Moltenbrey, Ronald A.: *See*—
Johnston, Robert A., Holden, and Moltenbrey. 3,000,757.
Molybdenum Corp. of America: *See*—
Linz, Arthur. 3,009,774.
Momberg, James W.: *See*—
Taylor, Edward W., and Momberg. 2,981,879.
Momberg, James W., and E. W. Taylor, to The Singer Mfg. Co. Speed-regulating control system for series commutator motor. 2,981,880, 4–25–61, Cl. 318—246.
Momoi, Kazuo. Process of making a fishing net. 2,999,413, 9–12–61, Cl. 87—12.
Monacci, Arturo A.: *See*—
Perotti, Antonio J. G., and Monacci. 3,001,772.
Monaco, George C. Apparatus for applying paste to a comestible wafer. Re. 25,072, 10–31–61, Cl. 107—1.
Monaco, Ugo, and P. Zanaboni, to Montecatini, Societa Generale per L'Industria Mineraria e Chimica. Process for the continuous production of corrugated laminates. 2,968,335, 1–17–61, Cl. 154—33.05.
Monaco, Ugo, and A. Werthhammer, to Montecanini Societa Generale per L'Industria Mineraria e Chimica. Process and apparatus for continuous production of flat laminates. 2,993,523, 7–25–61, Cl. 154—1.
Monaghan, Alfred C.: *See*—
Lopez, John P., and Monaghan. 2,976,780.
Monaghan, Alfred C., to Universal Corrugated Box Machinery Corp. Bottom feed sheet stacker. 2,987,314, 6–6–61, Cl. 271—74.
Monaghan, Ralph, and A. H. Youmans, to Well Surveys, Inc. Decentralizing spring mounting for well logging instruments. 2,994,770, 8–1–61, Cl. 250—83.
Monahan, Frank T., Jr., and W. J. Weising. Diving face mask. 2,993,209, 7–25–61, Cl. 2—14.
Monahan, Jack J.: *See*—
Filezar, Geza B., and Monahan. 2,994,169.
Monarch Elevator & Machine Co., Inc.: *See*—
Bartholomew, James H. 3,001,367.
Monarch Forge & Machine Works, Inc.: *See*—
Gensman, Lee R. 2,999,197.
Monarch Machine Tool Co., The: *See*—
Sassen, Bernard. 2,972,868.

Monarch Rubber Co., The: *See*—
Church, Herman S. 2,985,465.
Monarch Tool & Machinery Co.: *See*—
Budreck, Frances. 2,975,497.
Budreck, Frances. 2,976,075.
Budreck, Frances. 3,009,225.
Putnam, Donald M. 2,986,153.
Putnam, Donald M. 2,986,426.
Monax, Julian A.: *See*—
Chase, Hamilton C. 2,967,445.
Monbeck, Wayne E., and C. B. Martz, to Northrop Corp. Electrical load transfer system. 2,968,705, 1–17–61, Cl. 200—18.
Monck, Bosworth E., to Spicers Ltd. Production of blanks for envelopes, bags and the like. 3,011,377, 12–5–61, Cl. 83—303.
Moncrieff, Alexander D. F., to Michigan Tool Co. Automatic conveyor for gear finishing machines. 2,976,984, 3–28–61, Cl. 198—179.
Moncrieff-Yeates, Alexander J., and W. P. Yetter, to North American Aviation, Inc. Programmed path landing system. 2,987,275, 6–6–61, Cl. 244—77.
Mondon, Herbert, to Carl Zeiss. Screw drive for measuring instruments. 3,004,445, 10–17–61, Cl. 74—459.
Mondt, Vernon E.: *See*—
Nelson, Alfred M., Mondt, and Stern. 3,001,549.
Mondy, Thomas S., Jr. Magazine shredding machine. 2,972,921, 2–28–61, Cl. 83—155.
Moneagle, Geto F.: *See*—
Johnson, Reynold B., Moneagle, Koranye, Jurgens, and Prater, 2,983,445.
Monegato, Joseph M. Dumping cart. 3,000,671, 9–19–61, Cl. 298—2.
Monelli, Riccardo, to Pirelli Societa per Azioni. Telecommunication submarine electric cables. 3,006,792, 10–31–61, Cl. 156—51.
Monfelt, Clinton A. Accordion pickup. 3,011,381, 12–5–61, Cl. 84—376.
Monfray, Benoit, to Societe Anonyme de Bobinage pour l'Industrie et la Radio. Device for the firing of the electric discharge tube. 2,994,010, 7–25–61, Cl. 315—100.
Mongan, Charles E. Method and apparatus for measuring liquid level. 3,010,318, 11–28–61, Cl. 73—290.
Mongodin, Guy: *See*—
Geller, Richard, and Mongodin. 2,975,957.
Monier, Albert and L. Bed or table cover. 2,972,756, 2–28–61, Cl. 5—334.
Monier, Lisette: *See*—
Monier, Albert, and L. 2,972,756.
Monin, Claude: *See*—
Burstow, Pierre, and Monin. 2,967,212.
Monitor Corp., The: *See*—
Wells, William W., and Bunnell. 3,010,233.
Monk, Denis A., to Peabody Engineering Corp. Control of fuel burners. 2,984,297, 5–16–61, Cl. 158—28.
Monk, Philip R., N. C. Green, and R. Hutt. Liquid dispensing apparatus. 3,014,508, 12–26–61, Cl. 141—129.
Monnet, Georges, and F. M. Hennequin, to Compagnie de Saint-Gobain. Apparatus for surfacing glass. 2,984,051, 5–16–61, Cl. 51—119.
Monnikendam, Philip: *See*—
Feldman, Nicholas, Gross, and Monnikendam. 2,968,940.
Monnot, Georges, R. Vichnievsky, J. H. G. Ollier, and Y. L. G. Breele, to Institut Francais du Petrole des Carburants el Lubrifiants. New device for carrying out the double injection method in internal combustion engines. 3,014,466, 12–26–61, Cl. 123—32.
Mono-Cam Ltd.: *See*—
Miracki, Zdzislav S., and Friedlander. 3,013,547.
Monohan, William J.: *See*—
Baird, Norman F., and Monohan. 3,013,907.
Monolith Portland Cement Co.: *See*—
Schoonover, Paul L. 2,980,413.
Monolith Portland Midwest Co.: *See*—
Spence, Gerald M. 2,973,244.
Monotype Corp. Ltd., The: *See*—
Braggs, Cecil, and Bolton. 2,989,904.
Monroe Auto Equipment Co.: *See*—
White, Glen L., and Findlay. 2,991,970.
Monroe Calculating Machine Co.: *See*—
Bieber, Charles E. 2,998,905.
Deutsch, Fritz A., and Henes. 2,980,324.
Dodsworth, James W., and Meister. 2,990,931.
Fleming, Howard M. 2,994,474.
Gang, Herman. 2,970,754.
Gang, Herman. 2,970,755.
Gang, Herman. 2,980,323.
Gang, Herman. 2,986,993.
Gang, Herman. 3,007,633.
Gang, Herman, and Sepanak. 2,995,299.
Parker, Charles A. 2,987,243.
Wagemann, Heinrich. 2,987,246.
Wales, Nathaniel B., Jr. 2,983,440.
Monroe, Charles Z., and H. B. Egleston, to Ex-Cell-O Corp. Sealing and stapling mechanism for container fabricating machine. 2,975,570, 3–21–61, Cl. 53—138.
Monroe, Charles Z., and H. B. Egleston, to Ex-Cell-O Corp. Packaging machine for erecting, filling and sealing plastic coated paperboard containers. 3,002,328, 10–3–61, Cl. 53—373.
Monroe, Charles Z., and H. B. Egleston, to Ex-Cell-O Corp. Filler unit for a container filling machine. 3,002,540, 10–3–61, Cl. 141—308.
Monroe, George C., Jr., and D. J. Vaughan, to E. I. du Pont de Nemours and Co. Method of partially crystallizing an alphaolefin polymer. 2,991,264, 7–4–61, Cl. 260—32.6.
Monroe, Homer K., to Aerovent Fan Co., Inc. Air intake apparatus. 2,972,475, 2–21–61, Cl. 263—19.
Monroe, Joseph B. Rotary mower. 2,976,664, 3–28–61, Cl. 56—25.4.
Monroe, Lee P., to Packaging Corp. of America. Holder for rolls of tape. 3,000,494, 9–19–61, Cl. 206—52.
Monroe, Raymond, Jr., and T. E. Moore, to Western Electric Co., Inc. Apparatus for applying solder coatings to surfaces. 3,006,318, 10–31–61, Cl. 118—217.
Monroe, Robert H., M. K. Culbreth, and C. P. Molla, to Molla Inc. Knockdown article of furniture. 2,986,439, 5–30–61, Cl. 311—35.
Monroe, Roger F., to The Dow Chemical Co. Chlorination of acetylenes. 2,973,393, 2–28–61, Cl. 260—654.
Monroe, Roger F., to The Dow Chemical Co. Chlorination of acetylenes. 3,009,967, 11–21–61, Cl. 260—654.
Monroe, Roger F., and A. W. Anderson, to The Dow Chemical Co. 2,3-epoxypropyl ethers of acetylenic alcohols. 2,986,569, 5–30–61, Cl. 260—348.
Monroe, Roger F., and A. W. Anderson, to The Dow Chemical Co. Epoxylated ethers of acetylenic alcohols. 2,986,570, 5–30–61, Cl. 260—348.
Monroe, Roger F., F. J. Lowes, G. L. Foster, and B. D. Oakes, to The Dow Chemical Co. Acetylenic glycols as corrosion inhibitors. 2,993,862, 7–25–61, Cl. 252—146.
Monroe, Roger F., F. J. Lowes, G. L. Foster, and B. D. Oakes, to The Dow Chemical Co. Halogenated propargyl alcohols as corrosion inhibitors. 2,993,863, 7–25–61, Cl. 252—147.
Monroe, Roger F., F. J. Lowes, G. L. Foster, and B. D. Oakes, to The Dow Chemical Co. Ethynylcyclohexyl compounds as corrosion inhibitors. 2,993,864, 7–25–61, Cl. 252—148.
Monroe, Roger F., and F. J. Lowes, to The Dow Chemical Co. Corrosion inhibitors for aluminum. 2,993,865, 7–25–61, Cl. 262—148.
Monroe, Roger F., and D. E. Rapp, to The Dow Chemical Co. Metallic corrosion inhibition of polyhalogenated hydrocarbons with propargyldiisopropylamine. 2,997,507, 8–22–61, Cl. 260—652.5.
Monsanto Canada Ltd.: *See*—
Garmaise, David L., Just, and McKay. 2,972,627.
Monsanto Chemical Co.: *See*—
Abramo, John G., and Reinhard. 2,975,161.
Alexander, John R., and Hendrickson. 3,010,796.
Alexander, Stephen H., and Hoiberg. 3,004,854.
Alt, Arthur. 3,007,968.
Andersen, Harry M. 3,009,908.
Antelman, Marvin S. 2,971,819.
Applegath, Fred, and Franz. 2,979,527.
Applegath, Fred, and Franz. 2,992,896.
Applegath, Fred, and Franz. 2,992,897.
Applegath, Fred, and Franz. 2,992,898.
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Arganbright, Robert P. 2,971,995.
Baer, Massimo. 2,971,939.
Baker, Joseph W. 2,989,392.
Baker, Joseph W. 2,993,775.
Baker, Joseph W. 3,012,004.
Barkhuff, Raymond A., Jr., Dunlap, and Platzer. 2,989,782.
Barkhuff, Raymond A., Jr., and Platzer. 2,977,639.
Barkley, Lloyd B. 3,010,974.
Beaver, David J., and Zerbe. 2,970,151.
Birum, Gail H. 3,014,910.
Birum, Gail H. 3,014,944–48.
Birum, Gail H. 3,014,950.
Birum, Gail H. 3,014,951.
Birum, Gail H. 3,014,954.
Birum, Gail H. 3,014,956.
Birum, Gail H., and Dever. 2,980,722.
Birum, Gail H., and Dever. 3,014,949.
Birum, Gail H., and Dever. 3,014,952.
Birum, Gail H., and Dever. 3,014,953.
Birum, Gail H., and Heininger. 3,000,927.
Bishop, Charles F., and Cohen. 3,002,860.
Blanchette, Joseph A., and Chapin. 2,985,610.
Bonzagni, Francis A. 2,995,483.
Buchter, Hugo H. 2,977,140.
Buchter, Hugo H. 3,000,227.
Burleson, James C., Heckle, and Withrow. 2,998,464.
Campbell, John R., and Hatton. 3,007,787.
Carlson, Frank A., Jr. 3,011,217.
Cavender, James V., Jr. 2,979,495.
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Chupp, John P. 2,993,776.
Cizek, Eric P. 3,010,157.
Colwell, Robert E., Nickolls, and Underwood. 3,007,198.
Cova, Dario R. 2,970,172.
Cross, John W., Tucker, and Ulmer. 2,988,426.
Culbertson, Harry M., and Hahn. 2,978,425.
Culbertson, Harry M., and Williams. 2,980,636.
Culbertson, Harry M., and Williams. 2,980,637.
Culbertson, Harry M., and Williams. 2,996,463.
D'Amico, John J. 2,922,229.
D'Amico, John J. 2,971,038.
D'Amico, John J. 2,976,293.
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D'Amico, John J. 3,004,033.
D'Amico, John J. 3,004,034.
Darby, Joseph R., and Graham. 3,012,983.
Darlington, Walter A., and Stephens. 3,004,887.
Dazzi, Joachim. 2,984,637.
Dazzi, Joachim. 2,984,638.
Dazzi, Joachim. 2,988,679.
Dazzi, Joachim. 3,004,947.
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Dever, James L., and Birum. 2,993,066.
Dinsmore, David W., and Smith. 3,002,014.
Drummond, William H., and Withrow. 2,998,465.
Ehrlich, Paul, and Pittilo. 2,079,496.
Engelbrecht, Robert M., and Snyder. 3,004,930.
Engelbrecht, Robert M., and Snyder. 3,005,033.
Epstein, Arnold S. 2,980,833.
Estes, Lynn H., and Knox. 3,013,089.
Farrar, Martin W. 2,971,033.
Fields, Joseph E. 2,992,987.
Fields, Joseph E., and Johnson. 2,979,454.
Franz, John E. 2,974,164.
Gaertner, Van R. 2,973,353.
Gaertner, Van R. 2,988,475.
Garner, Albert Y. 3,010,946.
Garner, Albert Y. 3,010,998.
Garner, Albert Y. 3,010,999.
Garner, Albert Y. 3,011,000.
Gash, Virgil W. 2,976,285.
Gethins, John M., and Longley. 2,995,535.
Godfrey, Kenneth L. 2,977,210.
Godfrey, Kenneth L. 2,977,211.
Godfrey, Kenneth L., and Staker. 2,977,309.
Godt, Henry C., Jr. 2,982,772.
Grisley, Daniel W., Jr. 3,005,010.
Grisley, Daniel W., Jr., Birum, and Heininger. 3,005,008.
Grisley, Daniel W., Jr., and Heininger. 3,004,886.
Gruber, Bernard A. 3,009,230.
Hahn, Frank J. 2,984,633.
Hamm, Philip C., and Godfrey. 2,990,265.
Hamm, Philip C., and Godfrey. 2,993,774.
Hamm, Philip C., and Lewis. 2,967,101.
Hamm, Philip C., and Miller. 2,970,048.
Hamm, Philip C., and Speziale. 2,973,258.
Hamm, Philip C., and Speziale. 3,007,786.
Harman, Marion W., and D'Amico. 2,992,091.
Harman, Marion W., and D'Amico. 2,997,382.
Harris, Darrel M. 2,984,635.
Harris, Jay C. 2,992,996.
Harris, Jay C., Tesdahl, and Anderson. 2,988,510.
Hedrick, Ross M., and Mottus. 2,992,908.
Heininger, Samuel A. 2,969,329.
Heininger, Samuel A. 2,974,160.
Heininger, Samuel A. 2,988,476.
Heininger, Samuel A., and Birum. 2,993,037.
Heininger, Samuel A., and Birum. 2,993,075.
Heininger, Samuel A., and Graham. 2,974,115.
Heininger, Samuel A., and Grisley. 3,005,009.
Hertling, Leander A., and Radue. 3,012,064.
Hill, Rutherford B. 2,997,420.
Hochwalt, Carroll A., and Knox. 3,013,090.
Hoffman, Paul F. 2,989,963.
Holberg, Arnold J., and Cowger. 2,973,280.
Howard, Clinton B. 3,005,245.
Isaksen, Robert A., Ezrin, Newman, and Buchdahl. 2,997,743.
Isaksen, Robert A., and Merz. 2,984,593.
Johnson, John H. 2,980,653.
Johnson, John H., and Fields. 3,000,840.
Johnson, William K. 3,009,972.
Kianpour, Ahmad, and McDonald. 2,998,443.
Knowles, William S., and Alt. 3,012,035.
Kosmin, Milton. 2,977,279.
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Kosmin, Milton. 3,004,885.
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Lackey, Daryl L., and Roper. 3,011,878.
Lesslie, Thomas E. 3,012,053.
Lesslie, Thomas E., and O'Neill. 3,003,004.
Lesslie, Thomas E., and O'Neill. 3,008,993.
Lindstrom, Mary D. 3,012,017.
Lobdell, Alban J. 2,982,611.
Long, Franklin A., Hutchinson, and Thomas. 3,014,796.
Lyons, John W., and Tucker. 2,995,457.
Makin, Earle C., Jr. 2,979,545.
Makin, Earle C., Jr. 2,983,768.
Makin, Earle C., Jr. 3,005,032.
Malinowski, Theodore P. 3,001,933.
Marotta, Ralph. 2,972,626.
Martin, Richard H., Jr. 2,979,487.
Martin, Richard H., Jr. 2,996,484.
Martin, Richard H., Jr. 2,996,486.
Martin, Richard H., Jr. 3,012,009.
Martin, Richard H., Jr. 3,012,010.
Martin, Richard H., Jr. 3,012,011.
Martin, Richard H., Jr. 3,012,012.
Martin, Richard H., Jr. 3,012,019.
McCall, Ernest B., and Seiler. 2,970,081.
McCarville, William J., and Wildi. 2,992,928.
Merz, Edmund H., and Barkhuff. 2,983,962.
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Miller, Robert E. 2,974,120.
Miller, Robert E. 3,005,021.
Mills, Charles L., Jr. 2,980,750.
Mills, Robert H. 2,985,612.
Mills, Robert H. 3,012,065.
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Nelson, George D. 3,012,852.
Nickerson, Ralph F. 2,970,928.
Nickolls, Kenneth R. 2,998,396.
Nielsen, Morris L. 2,980,577.
Nielsen, Morris L. 2,996,542.
Oakes, David T. 2,988,505.
Olin, John F. 3,004,990.
Olt, Richard G., Du Four, and Gray. 2,987,372.
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Paris, William W., and Staker. 3,004,987.
Price, Jerry L. 3,010,913.
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Printy, John O., and Wagner. 2,990,281.
Raether, Louis O. 3,010,931.
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Raffelson, Harold. 2,985,682.
Raffelson, Harold, Mayberry, and Hochwalt. 3,010,988.
Rausch, Marvin D. 3,010,981.
Reaville, Eric T., O'Brien, and Russe. 2,994,635.
Reetz, Theodor. 3,010,986.
Robinson, Jacquea D. 3,005,030.
Rollingson, William R. 2,971,820.
Rollingson, William R. 2,975,030.
Rollingson, William R. 2,975,031.
Rollingson, William R. 2,975,032.
Ruehrewein, Robert A. 2,980,610.
Ruhoff, James S. 2,983,646.
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Saul, George A., Baker, and Godfrey. 2,983,595.
Saunders, James H. 3,004,384.
Sarabia, Oscar A. 2,971,608.
Scott, Milton J. 2,993,747.
Seifter, Eli, and Phillips. 2,996,371.
Selcer, William H. 2,982,782.
Sharp, Dexter B. 2,984,600.
Sharp, Dexter B., and Erickson. 2,974,168.
Sharp, Dexter B., and Le Blanc. 2,967,897.
Slocombe, Robert J. 3,009,895.
Slocombe, Robert J., and Salyer. 2,988,530.
Slocombe, Robert J., and Wesp. 2,984,650.
Slocombe, Robert J., and Wesp. 2,984,651.
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Staker, Donald D. 3,013,975.
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Stieger, Francis M. 2,991,208.
Stone, Bobbie D. 3,009,780.
Suhovecky, Albert J., and Santmyer. 2,972,561.
Symes, William F. 2,980,622.
Symes, William F. 3,002,931.
Thompson, Quentin E. 2,969,361.
Thompson, Quentin E. 2,973,372.
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Tung, Ching C. 2,983,642.
Tung, Ching C. 2,998,338.
Tung, Ching C., and D'Amico. 2,975,153.
Tung, Ching C., and D'Amico. 2,976,292.
Tuvell, Melvin E. 3,000,831.
Vaughn, William A. 2,976,310.
Walsh, Robert J. 2,988,422.
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Walter, Henry A. 3,006,898.
Weaver, Leo J. 3,012,909.
Weaver, Leo J. 3,012,910.
Weingarten, Harold I. 2,977,516.
Wilde, Bertrand E. 2,998,468.
Wildi, Bernard S. 3,009,976.
Wildi, Bernard S., and Epstein. 3,009,981.
Williams, Forrest V. 2,984,577.
Williams, Forrest V., and Ruehrwein. 2,984,648.
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Wineman, Robert J. 3,001,874.
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Monson, Harry, and E. Hutter, to United States of America Atomic Energy Commission. Gas seal. 2,991,905, 7-11-61. Cl. 220—45.

Monson, Harry O., to United States of America, Atomic Energy Commission. Type fuel element. 2,969,312, 1-24-61, Cl. 204—193.2.

Monson, Harry O., to United States of America, Atomic Energy Commission. Steam generator. 2,975,770, 3-21-61. Cl. 122—33.

Monson, Harry O., and R. A. Jarosa, to United States of America, Atomic Energy Commission. Method and apparatus for effecting thermal bonds. 3,005,079, 10-17-61, Cl. 219—9.5.

Monson, Louis T., and F. W. Jenkins, to Petrolite Corp. Process for breaking emulsions of the oil-in-water class. 3,009,883, 11–21–61, Cl. 252—331.

Monson, Louis T., and F. W. Jenkins, to Petrolite Corp. Process for breaking emulsions of the oil-in-water class. 3,009,884, 11–21–61, Cl. 252—341.

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Monson, Walter T., W. R. Alme, and E. H. Baron, to American Metal Climax, Inc. Method of making metal powder. 3,009,205, 11–21–61, Cl. 18—47.3.

Montagna, Amelio E.: *See*—
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Montagna, Amelio E., J. J. Brezinski, and D. G. Kubler, to Union Carbide Corp. Process for the production of alkyl esters of 7-hydroxyalkanoic acids. 2,995,599, 8–8–61, Cl. 260—484.

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Minisci, Francesco, and Pallini. 3,002,991.
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Montgomery, Earle T., A. P. Welch, and J. L. Bitonte, to The Ohio State University Research Foundation. Method of applying a protective coating to metal. 2,991,191, 7–4–61, Cl. 117—22.

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Montgomery, George F., to United States of America, Commerce. High-input-impedance transistor amplifier. 2,995,712, 8–8–61, Cl. 330—19.

Montgomery, Harold C., to Bell Telephone Laboratories, Inc. Control unit. 3,002,482. 10–3–61. Cl. 114—25.

Montgomery, Harold C., and J. C. Steinberg, to Bell Telephone Laboratories, Inc. Elevator control apparatus for torpedoes. 2,996,028, 8–15–61, Cl. 114—25.

Montgomery, Harold S.: *See*—
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Montgomery, Orin C., to Phillips Petroleum Co. Automatic gain control amplifier and seismic amplifier system. 2,982,919, 5–2–61, Cl. 330—137.

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Montgomery, Robert J.: *See*—
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Monthei, Edward G., and E. D. Blair. Drawbar attachment for plows. 2,973,817, 3–7–61, Cl. 172—239.

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Montner, Joseph, and A. E. Flanders, to General Dynamics Corp. Magnetic voltage reference device. 2,983,862, 5–9–61, Cl. 323—61.

Montoscuro, Joseph. Insole construction for a shoe. 2,967,362, 1–10–61, Cl. 36—37.

Montoya, Joseph P. Woman's undergarment of the girdle type. 2,980,114, 4–18–61, Cl. 128—523.

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Montross, Robert C., to Square D Co. Transistorized circuit for positioning slave potentiometers. 2,971,142, 2–7–61. Cl. 318—29.

Montross, Robert C., to Square D Co. Motor control circuit. 2,990,506, 6–27–61, Cl. 318—284.

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Moodie, William C., Jr., and E. B. Hildum, to Control Products Inc. Thermal switch. 2,972,665, 2–21–61, Cl. 200—138.

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Moody, Alma V., Sr., to James Hunter Inc. Fiber feeding apparatus. 2,983,325, 5–9–61, Cl. 177—71.

Moody, Arthur M., to The Trane Co. Refrigeration machine with capacity control means. 2,992,543, 7–18–61, Cl. 62—196.

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Luber, Frederick G., Robinson, and Moody. 2,976,438.

Moody, Dale M., and W. G. Green. Parking meters. 2,995,230, 8–8–61, Cl. 194—9.

Moody, George W., to Universal Air Lift, Inc. Spring suspension devices for motor vehicles. 3,001,783, 9–26–61, Cl. 267—34.

Moody, Herbert H., to Continental Oil Co. Direction indicator for seismic field setups. 2,970,876, 2–7–61, Cl. 346—17.

Moody, Norman F., to Her Majesty the Queen in the right of Canada, as represented by the Minister of National Defence. Two-state apparatus. 2,980,805, 4–18–61, Cl. 307—88.5.

Moody, Paul L., and C. Kolm, to United States of America, Air Force. Syringe-type single-crystal furnace. 2,990,259, 6–27–61, Cl. 23—273.

Moody, Roy A.: *See*—
Simich, Emil, Moody, and Wognum. 2,984,285.
Wognum, James N., Moody, and Simich. 3,006,401.

Moody, Thomas L. Automobile campers' kit. 2,982,431. 5–2–61, Cl. 214—450.
Moody, Warren E. Yieldable drive connection for a rotary lawn mower. 2,978,858, 4–11–61, Cl. 56—295.
Moog Industries, Inc.: *See*—
Scheublein, William A., Jr., and Check. 2,969,230.
Scheublein, William A., Jr., and Check. 2,973,196.
Mool, John: *See*—
Burk, Emmett H., Jr., Mool, and Thomas. 2,972,650.
Mook, Donald E.: *See*—
Williams, Alexander W., Beckman, and Mook. 3,001,878.
Moon, Charles, and R. L. Driscoll. Depth regulating device for subfloating bodies. 3,012,502, 12–12–61, Cl. 102—14.
Moon, Frederick C., and R. W. Boyer, to Royal Electric, Inc. Pivoted core solenoids. 2,998,553, 8–29–61, Cl. 317—198.
Moon, John J.: *See*—
Wride, William J., and Moon. 3,007,578.
Moon, John J., to Phillips Petroleum Co. Method and apparatus for providing a solids slurry. 3,004,086, 10–10–61, Cl. 260—683.15.
Moon, John J., and H. M. Hawkins, to Phillips Petroleum Co. Automatic control of filtration. 2,993,599, 7–25–61, Cl. 210—75.
Moon, Katharyne M.: *See*—
Moon, Sterling C. 2,990,051.
Moon, Sterling C., to The Jeffrey Mfg. Co. Portable conveyor apparatus. 2,966,984, 1–3–61, Cl. 198—109.
Moon, Sterling C., to The Jeffrey Mfg. Co. Mining apparatus. 2,986,265, 5–30–61, Cl. 198—89.
Moon, Sterling C., to The Jeffrey Mfg. Co. Endless belt conveyor. 2,986,266, 5–30–61, Cl. 198—139.
Moon, Sterling C., deceased (by K. M. Moon, administratrix), to The Jeffrey Mfg. Co. Endless belt conveyor. 2,990,051, 6–27–61, Cl. 198—139.
Moon, Sterling C., to The Jeffrey Mfg. Co. Mine conveyor. 2,992,722, 7–18–61, Cl. 198—95.
Moonan, Edward R. Diaper clip. 2,968,852, 1–24–61, Cl. 24—160.
Mooney, Charles W.: *See*—
Bender, Frederick M., Mooney, and Stahly. 3,012,158.
Mooney, David H., Jr.: *See*—
Fell, Thomas T., Skillman, Mooney, Smith, and Goetz. 3,011,166.
Smith, Harry B., and Mooney. 2,997,708.
Mooney, Donald F. Electron gun. 2,987,648, 6–6–61, Cl. 315—14.
Mooney, Edmund J. Device for diverting reflux. 3,012,949, 12–12–61, Cl. 202—161.
Mooney, Edward J.: *See*—
Hagemeyer, Hugh J., Jr., Hudson, and Mooney. 3,013,082.
Mooney, Fred E.: *See*—
Caine, George E., Greeley, and Mooney. 2,978,134.
Mooney, James J., Jr.: *See*—
Christenson, Howard W., and Mooney. 3,006,199.
Tuck, Robert M., and Mooney. 2,990,781.
Mooney, John F. Life preserver. 3,012,257, 12–12–61, Cl. 9—333.
Mooney, John R.: *See*—
Works, Madden T., Mitchell, and Mooney. 2,990,895.
Mooney, Paul F.: *See*—
Eno, Robert F., Swett, Goode, Mooney, and Eckerle. 2,967,989.
Mooney, Richard W., to Sylvania Electric Products Inc. Calcium silicate phosphors. 3,014,876, 12–26–61, Cl. 252—301.4.
Mooneyham, James D.: *See*—
Casady, Richard L., and Mooneyham. 2,998,074.
Mooneyhan, Castle B.: *See*—
Mooneyhan, Roy E. and C. B. 2,988,036.
Mooneyhan, Roy E. and C. B. Barge cargo ship. 2,988,036, 6–13–61, Cl. 114—72.
Mooneyhan, William R., J. T. Roberts, S. W. Wilson, and R. W. MacDonald, to Esso Research and Engineering Co. Application of flash stripping stages to CAA acetylene removal process. 2,983,772, 5–9–61, Cl. 260—681.5.
Moor, D. W., Rubber Corp.: *See*—
Lea, Harlan L. Re. 24,937.
Mooradian, Ara J., to Atomic Energy of Canada Ltd. Decontamination of acidic plutonium containing solutions. 2,991,148, 7–4–61, Cl. 23—14.5.
Moore, Al J.: *See*—
Moore, Samuel N., Abelow, and Moore. 2,977,911.
Moore, Albert B. Baseball shoe safety cleat. 2,986,825, 6–6–61, Cl. 36—59.
Moore, Alexander M., E. F. Elslager, and F. W. Short, to Parke, Davis & Co. Benz-[c]-acridine derivatives. 2,981,731, 4–25–61, Cl. 260—239.1.
Moore, Alfred L., and J. R. Ewan, to Libbey-Owens-Ford Glass Co. Transfer device for sheet materials. 2,998,141, 8–29–61, Cl. 211—41.
Moore, Arthur H., to Radio Corp. of America. Fluid dispensing device. 3,014,620, 12–26–61, Cl. 222—70.
Moore, Benjamin F. Duck hunter's crutch. 3,007,581, 11–7–61, Cl. 211—64.
Moore, Britt: *See*—
Bledsoe, Gordon L., Jr., Moore, and Doak. 3,009,593.
Crane, Carl J. 2,980,307.
Moore, Buell, to Esquire, Inc. Floodlight. 3,001,060, 9–19–61, Cl. 240—3.
Moore, Buell, to Esquire, Inc. Floodlight having segmented reflector. 3,001,061, 9–19–61, Cl. 240—41.35.
Moore Business Forms, Inc.: *See*—
Manuel, Charles J., and Plummer. 2,966,971.
Sargent, Albert A. 3,013,646.
Moore, Carl: *See*—
Rieke, James K., and Moore. 2,987,501.
Moore, Carl D.: *See*—
Fletcher, William A., Todd, and Moore. 2,989,928.
Moore, Cecil L., to Engineering and Research Lab. Service Co. Portable refrigerated cooler. 2,973,632, 3–7–61, Cl. 62—498.
Moore, Charles B., to E. I. du Pont de Nemours and Co. Coulometer. 2,980,855, 4–18–61, Cl. 324—72.
Moore, Charles D., to Ford Motor Co. Motor vehicle body mounts. 2,976,080, 3–21–61, Cl. 296—35.
Moore, Charles E.: *See*—
Byrnes, Irving F., and Moore. 2,991,466.
Moore, Charles G.: *See*—
Millar, Ronald L., and Moore. 2,967,839.
Moore Co., The: *See*—
Moore, Robert D. 2,990,018.
Moore, David B., and P. S. L. Cook, to Robert Dempster & Sons Ltd. Removal of hydrogen sulphide from gases. 2,983,573, 5–9–61, Cl. 23—2.
Moore, Derek W., to Orenda Engines Ltd. Valve. 2,986,368, 5–30–61, Cl. 251—30.
Moore, Donald C., and G. V. Watson, to Imperial Chemical Industries Ltd. Method of inert-gas metal arc-welding. 2,988,630, 6–13–61, Cl. 219—146.
Moore, Donald G., to Whirlpool Corp. Perambulating kitchen appliances and control means therefor. 3,010,129, 11–28–61, Cl. 15—1.
Moore, Dorothy S.: *See*—
Moore, Leroy and D. S. 2,991,561.
Moore Drop Forging Co.: *See*—
Vose, Robert W. 3,005,367.
Moore Dry Kiln Co.: *See*—
Beckley, Arthur H. 2,970,704.
Moore, Dwight G., to United States of America, Air Force. Protectively coated metal article and processes. 2,974,051, 3–7–61, Cl. 106—48.
Moore, Earl K., to United Aircraft Corp. Air separator for monofuel burner. 2,968,152, 1–17–61, Cl. 60—39.46.
Moore, Earl K., to United Aircraft Corp. Fuel accumulator for aircraft jet engine starter. 2,986,881, 6–6–61, Cl. 60—39.14.
Moore, Edward F.: *See*—
Hagelbarger, David W., and Moore. 2,977,575.
Moore, Edward F., to Bell Telephone Laboratories, Inc. Sorting method and apparatus. 2,983,904, 5–9–61, Cl. 340—172.5.
Moore, Eugene A.: *See*—
Haberland, Fred C., and Moore. 2,979,902.
Haberland, Fred C., and Moore. 2,994,230.
Moore, Ezra L., and C. D. Hammond, to Arvin Industries, Inc. Grill. 2,986,138, 5–30–61, Cl. 126—25.
Moore, Francis J. Fulcrumed lever type door latch mechanism. 2,970,000, 1–31–61, Cl. 292—238.
Moore, Francis K.: *See*—
Springer, Edward M., and Moore. 2,996,039.
Moore, Frank, to Manuel Turchan. Tracer for automatic two-dimensional follower control. 3,004,747, 10–17–61, Cl. 251—3.
Moore, Frank L.: *See*—
Thomas, Philip J., and Moore. 2,971,804.
Moore, George H., Jr. Automatically adjustable propeller. 2,998,080, 8–29–61, Cl. 170—160.11.
Moore, George V. Detachable traction units. 2,967,737, 1–10–61, Cl. 305—51.
Moore, Glenn R.: *See*—
Scott, Harvey, and Moore. 3,001,971.
Moore, Gordon E.: *See*—
De Bernardi, Robert E., and Moore. 2,983,633.
Moore and Hall: *See*—
Lieberman, Dolores, and Roth. 2,981,564.
Toulon, Pierre M. G. 2,967,904.
Toulon, Pierre M. G. 2,972,660.
Moore, Hall & Pollock: *See*—
Higgs, Harold P. 3,001,106.
Moore, Harold K., to Ford Motor Co. Ignition system. 2,984,766, 5–16–61, Cl. 315—214.
Moore, Harold R., W. D. Albright, and P. Evans, Jr., to Westinghouse Electric Corp. Transformer structures. 2,993,183, 7–18–61, Cl. 336—60.
Moore, Harrington. Setscrew having toothed shank end for engaging workpiece. 2,996,093, 8–15–61, Cl. 151—70.
Moore, Harry C., to Beloit Iron Works. Moving belt suction box assembly. 3,000,439, 9–19–61, Cl. 162—314.
Moore, Harry E., and J. E. Schmitt. Apparatus for scrubbing automobile floor mats. 2,971,208, 2–14–61, Cl. 15—40.
Moore, Harry W. Wire tensioning device. 2,998,207, 8–29–61, Cl. 242—149.
Moore, Harry W. Method and hydraulically driven apparatus for winding coils. 3,013,737, 12–19–61, Cl. 242—13.
Moore, Hilbert R.: *See*—
Ketchledge, Raymond W., and Moore. 3,010,102.
Moore, Howard H., Jr., to Camco Inc. Well tool hanger. 3,002,565, 10–3–61, Cl. 166—217.
Moore, Howard H., Jr., to Camco, Inc. Permanent completion of wells. 3,014,533, 12–26–61, Cl. 166—224.
Moore, Hugh S., and V. F. Procopio, to General Electric Co. Composite material, brazing alloys and process of manufacture. 3,001,269, 9–26–61, Cl. 29—180.

Moore, James A.: *See*—
Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.
Moore, James B., Jr. Floatable trailer. 3,004,771, 10–17–61, Cl. 280—414.
Moore, James F., to Haveg Industries, Inc. Process of preparing heat-resistant glass fabric. 2,995,803, 8–15–61, Cl. 28—76.
Moore, James H. Mineral jig. 2,979,203, 4–11–61, Cl. 209—455.
Moore, James J.: *See*—
Estes, Nelson N., and Moore. 2,975,374.
Moore, James J., and N. N. Estes, to Union Carbide Corp. Low frequency signal amplifier. 2,975,373, 3–14–61, Cl. 330—41.
Moore, James P., to C. W. Fawcett Acoustical Co., Inc. Air diffuser construction. 3,001,464, 9–26–61, Cl. 98—40.
Moore, James W.: *See*—
Huffman, George W., and Moore. 2,999,018.
Morris, Harold H., Moore, and Stone. 3,003,347.
Moore, James W., to General Motors Corp. Screen for vehicle body. 2,983,547, 5–9–61, Cl. 296—106.
Moore, Jay W., and G. M. Ellis, to The Martin Co. Method of making nuclear fuel elements. 3,006,832, 10–31–61, Cl. 204—154.2.
Moore, John F. Apparatus for the manufacture of flexible sheets of heat cured plastic material. 3,008,182, 11–14–61, Cl. 18—5.
Moore, Kenneth N.: *See*—
Tilton, William J., and Moore. 2,977,035.
Moore, Kenneth R., V. P. Hexamer, Jr., L. E. Julian, M. C. Whiteman, and R. J. Schelton, to General Motors Corp. Brush rigging. 3,010,042, 11–21–61, Cl. 310—246.
Moore, Kenneth W. Process for the production of color separation negatives or positives for color reproduction. 2,971,841, 2–14–61, Cl. 96—30.
Moore, Laurence L. Filter element. 2,994,435, 8–1–61, Cl. 210—484.
Moore, Lee C.: *See*—
Woolslayer, Homer J., Jenkins, and Campbell. 3,003,787.
Moore, Lee C., Corp.: *See*—
Campbell, Erwin A., and MacKenzie. 2,966,956.
Campbell, Erwin A., and Mackenzie. 2,988,180.
Woolslayer, Homer J., Iddings, and Borg. 2,991,853.
Woolslayer, Homer J., and Jenkins. 2,988,179.
Woolslayer, Homer J., Jenkins, Maxwell, and Born. 3,009,547.
Woolslayer, Homer J., Turner, and Jenkins. 2,974,760.
Moore, Leroy and D. S. Educational toy. 2,991,561, 7–11–61, Cl. 35—8.
Moore, Luther E., and L. D. Shaw, to The Magnavox Co. Cooling system for communication chassis. 2,972,940, 2–28–61, Cl. 98—42.
Moore, Marion F., to Container Corp. of America. Reclosable carton. 2,974,854, 3–14–61, Cl. 229—87.
Moore, Maxwell M., and J. D. Douglas, to General Controls Co. Potentiometer constructions. 2,998,586, 8–29–61, Cl. 338—145.
Moore, Mildred C. Artist's material holding device. 2,975,545, 3–21–61, Cl. 45—129.
Moore, Milford B., to Graflex Inc. Gearhead. 3,011,358, 12–5–61, Cl. 74—409.
Moore-Milford Corp.: *See*—
Moore, Mobert R., and Rabb. 3,005,154.
Moore, Morgan: *See*—
Pullar, Harold B., and Moore. 2,978,427.
Moore, Norman C., to The Plessey Co. Ltd. Electrical capacitors. 3,002,256, 10–3–61, Cl. 29—25.42.
Moore Oregon Lumber Co.: *See*—
Blake, William M. 3,006,468.
Moore, Orland A.: *See*—
Aymami, Arthur L., Lillich, Gibbons, and Moore. 2,984,262.
Moore Products Co.: *See*—
Kirk, David B. 2,993,364.
Mamzic, Charles L. 2,969,080.
Moore, Ralph G. D.: *See*—
Cox, Robert J., Moore, and Moskowitz. 2,997,467.
Moore, Ralph G. D., and P. T. Woltach, Jr., to General Aniline & Film Corp. Light sensitive layers for photomechanical reproduction. 2,971,842, 2–14–61, Cl. 96—33.
Moore, Ralph T., to The American MonoRail Co. Weight indicating material handling device. 2,982,425, 5–2–61, Cl. 212—2.
Moore, Raymond H.: *See*—
Lyon, Ward L., and Moore. 2,968,547.
Moore, Raymond W.: *See*—
Wallace, John W., Hull, and Moore. 2,972,268.
Wallace, John W., Hull, and Moore. 2,972,269.
Moore, Richard H., and J. C. Goff, to United States of America, Navy. Leak tester. 3,012,432, 12–12–61, Cl. 73—40.
Moore, Richard N., and R. V. Lawrence, to United States of America, Agriculture. Method for producing photoperoxides. 2,996,515, 8–15–61, Cl. 260—340.3.
Moore, Robert B., and V. T. Atkinson, to Phillips Petroleum Co. Recovery of high concentration carbon monoxide from copper liquor used to purify ammonia synthesis gas. 3,006,729, 10–31–61, Cl. 23—204.
Moore, Robert C., to Philco Corp. Color television receiver. 2,990,446, 6–27–61, Cl. 178—5.4.

Moore, Robert C., E. M. Creamer, Jr., and H. B. Collins, Jr., to Philco Corp. Transmitter for stereophonic information signals. 3,007,005, 10–31–61, Cl. 179—15.
Moore, Robert D., to The Moore Co. Fan. 2,990,018, 6–27–61, Cl. 170—160.52.
Moore, Robert E. Tool handle fastening. 2,967,738, 1–10–61, Cl. 306—33.
Moore, Robert E. Method of making synthetic mica. 3,011,868, 12–5–61, Cl. 23—110.
Moore, Robert I.: *See*—
Ross, Milton E., and Moore. 2,972,163.
Moore, Robert L.: *See*—
Briskin, Theodore S., Lustig, and Moore. 2,995,061.
Briskin, Theodore S., Moore, and Rom. 2,968,993.
Briskin, Theodore S., Moore, and Rom. 2,982,177.
Briskin, Theodore S., Moore, and Wickstrom. 3,002,435.
McIlroy, John H., and Moore. 3,001,196.
Moore, Robert L., to Westinghouse Electric Corp. Heater control. 2,993,976, 7–25–61, Cl. 219—20.
Moore, Robert L., and W. J. Atwell, to Raybestos-Manhattan, Inc. Method for forming shaped lengths of tetrafluoroethylene polymers having a cellular structure. 2,985,918, 5–30–61, Cl. 18—55.
Moore, Robert R., and L. R. Rabb, to Moore-Milford Corp. Moisture testing electrode assembly. 3,005,154, 10–17–61, Cl. 324—65.
Moore, Roy E., to Slyvania Electric Products Inc. Film gate. 3,014,404, 12–26–61, Cl. 88—17.
Moore, Russell H., to Lynchburg Foundry Co. Shell mold multiple pump system. 2,984,390, 5–16–61, Cl. 222—255.
Moore, Samuel B., to Chance Vought Corp. Balance for sensing axial forces. 2,997,875, 8–29–61, Cl. 73—141.
Moore, Samuel, & Co.: *See*—
Brumbach, Robert E. 2,971,538.
Moore, Samuel N., H. Abelow, and A. J. Moore. Sewing machine attachments. 2,977,911, 4–4–61, Cl. 112—260.
Moore, Sewell T.: *See*—
House, Ronald R., and Moore. 2,980,609.
Moore, Sewell T., to American Cyanamid Co. Non-fibrous regenerated cellulose film containing bis-amide polymer as anchor agent. 3,012,912, 12–12–61, Cl. 117—145.
Moore & Steele Corp.: *See*—
Steele, James R., and Lounsberry. 2,999,641.
Moore, Thomas M., and R. E. Reise, to United States of America, Navy. Transistorized standard pulse generator. 3,014,138, 12–19–61, Cl. 307—88.5.
Moore, Tom E.: *See*—
Monroe, Raymond, Jr., and Moore. 3,006,318.
Moore, Victor C.: *See*—
Herndon, Walter B., and Moore. 2,983,164.
Qualman, Jack W., and Moore. 2,987,941.
Moore, Victor C., to General Motors Corp. Transmission. 2,995,956, 8–15–61, Cl. 74—688.
Moore, Victor C., and J. W. Qualman, to General Motors Corp. Dual range transmission. 2,983,165, 5–9–61, Cl. 74—781.
Moore, Ward F.: *See*—
Mitchell, William J., and Moore. 2,973,327.
Moore, Warren, Jr., to Minneapolis-Honeywell Regulator Co. Oscillator circuit having means to cyclically produce high frequency pulses. 2,998,574, 8–29–61, Cl. 331—65.
Moore, Wendell F., and K. R. Stehling, to Bell Aerospace Corp. Altitude responsive aircraft jet control. 3,008,672, 11–14–61, Cl. 244—90.
Moore, William C. Rechargeable battery handle. 3,005,090, 10–17–61, Cl. 240—10.6.
Moore, William C., to Allyn Welch, Inc. Headlamp. 3,008,040, 11–7–61, Cl. 240—41.15.
Moore, William F.: *See*—
Zabriskie, Douglas M., and Moore. 3,010,717.
Moore, William H., and D. P. Burcham, to United States of America, Navy. Gradiometer for underwater missile warhead. 2,976,483, 3–21–61, Cl. 324—43.
Moores, Mead S.: *See*—
Rudner, Bernard, and Moores. 2,976,307.
Rudner, Bernard, and Moores. 3,000,924.
Rudner, Bernard, and Moores. 3,000,925.
Moores, Mead S., to Koppers Co., Inc. Tetrakis(dihydroxyboroxyalkyl)alkylene diamine preparation. 3,000,923, 9–19–61, Cl. 260—462.
Moorhead, James B.: *See*—
Black, Lloyd V., and Moorhead. 3,008,272.
Moorhead, Walter H. Velocipede. 2,995,368, 8–8–61, Cl. 272—33.
Moorhead, Walter H., to S. J. Forbes. Rotary and percussive tool. 3,006,202, 10–31–61, Cl. 74—56.
Moorhead, William H., Jr. Device for identifying the electrical circuits for trailer-type vehicles. 2,994,001, 7–25–61, Cl. 307—10.
Moorhouse, John H. Clothes hanger attachment. 3,006,517, 10–31–61, Cl. 223—91.
Moorman, Edward W.: *See*—
Noyes, Howard, and Moorman. 2,977,426.
Moorman Mfg. Co.: *See*—
Gehrt, Albert J., and Knapheide. 2,970,912.
Hurdle, Howard C. 2,988,047.
Moortgat-Pick, Waldemar, to Korting Radio Werke G.m.b.H. Automatic volume expander. 2,999,210, 9–5–61, Cl. 330—145.

Moosmann, Alois. Pneumatic control system for production machines, especially for machine tools. 2,973,648, 3–7–61, Cl. 74—1.
Moquist, Stanley A. Splicers for motion picture films. 2,973,802, 3–7–61, Cl. 154—42.1.
Moraine Box Co.: *See*—
Munroe, Thomas. 2,972,440.
Munroe, Thomas. 2,997,266.
Morales, Juan G., to Shell Oil Co. Novel polyhalogenopolycycloalkene derivatives as foliage fungicides. 2,994,710, 8–1–61, Cl. 260—429.
Moran, Albert E., and E. Kaplan, to American Cyanamid Co. Vat dye dispersions containing polyvinylpyrrolidone. 2,971,812, 2–14–61, Cl. 8—83.
Moran, Don E., and R. J. Culbertson, to General Electric Co. Electrical switching apparatus. 3,014,103, 12–19–61, Cl. 200—87.
Moran, Edward A.: *See*—
Riggs, Robert F., Foster, and Moran. 2,975,422.
Moran, Edward B., to Littleford Brothers, Inc. Material crusher for heating kettle. 3,014,670, 12–26–61, Cl. 241—280.
Moran, Edward E. Electric can opener. 3,000,095, 9–19–61, Cl. 30—4.
Moran, Edward J. Educational toy for teaching multiplication table. 3,009,262, 11–21–61, Cl. 35—9.
Moran, Hamilton, to Standard Packaging Corp. Draw-string bag. 3,013,597, 12–19–61, Cl. 150—11.
Moran, Harold J., to Switlik Parachute Co., Inc. Double quick harness release. 2,989,274, 6–20–61, Cl. 144—151.
Moran, Harold J., to Switlik Parachute Co., Inc. Inflatable life preserver. 3,002,203, 10–3–61, Cl. 9—338.
Moran, Harold J., to Switlik Parachute Co., Inc. Inflator for inflatable bodies. 3,014,619, 12–26–61, Cl. 222—5.
Moran, James M.: *See*—
Saul, Robert J., Kahler, and Moran. 2,972,794.
Moran, John F., to Brooke Paper Co. Web guide attachment for deflecting web with respect to cutter for obtaining bias cut. 2,991,679, 7–11–61, Cl. 88—443.
Morasch, Merle R. Burners for cooking ranges and ventilating means therefor. 3,002,513, 10–3–61, Cl. 126—299.
Morat, Franz, G.m.b.H.: *See*—
Schmidt, Richard. 2,990,702.
Morath, Joseph C.: *See*—
Kaplan, Earl, and Morath. 3,004,002.
Morch, Ernst T. Respirator. 2,969,789, 1–31–61, Cl. 128—29.
Morch, Warren C.: *See*—
Simpson, Jack N., and Morch. 3,014,998.
Morchand, Charles A. Action-reaction television system. 3,008,000, 11–7–61, Cl. 178—5.6.
Morcom, Richard J., R. G. Strauss, and E. H. Lorenz, deceased, by The Connecticut Bank & Trust Co., executor, to United States of America, Navy. Mine case assembly. 2,987,996, 6–13–61, Cl. 102—10.
Morden Machines Co.: *See*—
Honeyman, Robert B. 2,985,388.
Mordick, William M., and L. W. Lerch, to Columbus McKinnon Chain Corp. Linked power chain for conveyors. 2,977,894, 4–4–61, Cl. 104—172.
More, Jack. Garbage can holder. 3,010,689, 11–28–61, Cl. 248—150.
More, Philip J., to General Electric Co. Domestic cooking appliance. 2,994,317, 8–1–61, Cl. 126—211.
Morean, James E., and L. V. Regelman, to Sylvania Electric Products Inc. Orienting device. 2,997,185, 8–22–61, Cl. 214—1.
Morehart, Jewell K. Battery lead salvaging machine. 2,967,350, 1–10–61, Cl. 29—204.
Morehead, John H. Roller register. 2,967,356, 1–10–61, Cl. 33—141.
Morehead, Laurel A., and F. J. Eichelman, to Chemetron Corp. Automatic valve change-over apparatus. 2,985,185, 5–23–61, Cl. 137—113.
Morehouse, Charles R., to Dorr-Oliver Inc. Agitator for rotary drum filter. 3,002,627, 10–3–61, Cl. 210—383.
Morehouse, Charles R., and J. B. Booth, Jr., to Dorr-Oliver Inc. Discharge blades for rotary filters. 2,974,802, 3–14–61, Cl. 210—396.
Morehouse, Clarence K., G. S. Lozier, and R. Glicksman, to Radio Corp. of America. Fuel cells. 2,976,342, 3–21–61, Cl. 136—100.
Morehouse, Edward L., to Union Carbide Corp. Organosilicon salts and process for producing the same. 2,972,598, 2–21–61, Cl. 260—46.5.
Morehouse Industries, Inc.: *See*—
Brown, Donald J. 2,980,353.
Moreillon, Raymond, to Oerlikon Engineering Co. Method of and apparatus for maintaining a constant pressure at varying capacity or a constant capacity at variable pressure in a turbo-compressor. 2,993,640, 7–25–61, Cl. 230—115.
Morelnes, Harold: *See*—
Masel, Marvin, and Morelnes. 3,008,078.
Morel, Max A.-J.: *See*—
Jumelle, Louis F., Morel, Legrand, and Elchholtz. 3,006,587.
Morel, Roger, and M. Point, to Societe Anonyme de Machines Electrostatiques. Electrostatic spraying apparatus. 3,008,645, 11–14–61, Cl. 239—15.
Morel, Roy W. F., and W. F. Scott, to Paper Mate Mfg. Co. Method of etching metallic writing balls. 2,992,904, 7–18–61, Cl. 41—43.
Morel, Stanley L. Hydroski assembly. 3,013,515, 12–19–61, Cl. 114—66.5.
Moreland, Stephen T. Method for making skinless sausages. 3,005,716, 10–24–61, Cl. 99—109.
Morello, William, Jr., and W. E. Jackson, to Cannon Electric Co. Gripping device. 2,995,388, 8–8–61, Cl. 285—340.
Morén, Rolf E., to Mo Och Domsjo Aktiebolag. Methods of making sand cores or molds for metal castings. 2,987,789, 6–13–61, Cl. 22—193.
Moreno, Angel. Rotary type windows. 3,003,201, 10–10–61, Cl. 20—53.
Moreno, Emil F.: *See*—
Kolinger, Kenneth J., Moreno, and Solimine. 2,973,049.
Moreno, Emil F., and J. F. Marquardt, to International Harvester Co. Transverse spring and axle assembly. 3,014,736, 12–26–61, Cl. 280—112.
Moretrench Corp.: *See*—
Powers, Joseph P. 2,990,017.
Powers, Joseph P. 3,012,623.
Moretz, Bynum, to The Bendix Corp. Method of making silicon impregnated shielded lead. 2,981,983, 5–2–61, Cl. 18—59.
Morey, Gifford A.: *See*—
Richards, Richard K., and Morey. 2,981,470.
Morey, Glen H., to Templeton Coal Co., Inc. Flexible heating tape. 2,982,932, 5–2–61, Cl. 338—212.
Morey, Glen H., to Templeton Coal Co., Inc. Electrical heating tape and method of manufacture. 2,985,860, 5–23–61, Cl. 338—208.
Morey, Glen H., to Linton-Summit Coal Co., Inc. Wrap-around heater. 2,989,613, 6–20–61, Cl. 219—46.
Morey, Robert E.: *See*—
Richer, Benjamin F., Jr., and Morey. 2,993,136.
Morey, Robert E., to The Murray Corp. of America. Bowl trapway glazing machine. 3,011,911, 12–5–61, Cl. 117—96.
Morey, William A. Adjustable trailer suspension. 2,976,051, 3–21–61, Cl. 280—81.
Morf, Pierre. Shock-absorbing pivot bearing. 2,973,618, 3–7–61, Cl. 58—140.
Morfeldt, Carl-Olaf O.: *See*—
Hagerman, Tor H., Morfeldt, and Svensjö. 2,973,820.
Morgan, Anthony J.: *See*—
Fry, Douglas J., Kendall, and Morgan. 2,984,664.
Morgan, Arthur I., Jr.: *See*—
Ginnette, Lewis F., Graham, and Morgan. 2,981,629.
Morgan, Arthur I., Jr., J. M. Randall, and R. P. Graham, to United States of America, Agriculture. Process of dehydrating fruit and vegetable juices. 2,967,109, 1–3–61, Cl. 99—206.
Morgan, Arthur I., Jr., and J. M. Randall, to United States of America, Agriculture. Production of instant coffee. 2,976,158, 3–21–61, Cl. 99—199.
Morgan, Carl N.: *See*—
Cook, Lawrence M., Granberry, Gruble, and Jacobs. 3,006,486.
Morgan, Carroll Z.: *See*—
Ryland, Lloyd B., and Morgan. 3,006,975.
Morgan Construction Co.: *See*—
Hill, William J. 3,003,836.
Kopec, J B., and Miller. 3,011,928.
Lewis, Dartrey. 2,994,328.
Morgan, Myles. 2,972,916.
Rodnick, Joseph W. 3,013,453.
Wilson, Norman A. 2,984,137.
Wilson, Norman A. 2,985,267.
Morgan, David G.: *See*—
Brant, Victor L., and Morgan. 2,981,771.
Morgan, David L.: *See*—
Brant, Victor L., and Morgan. 2,981,771.
Pailthrop, Walter L., Waller, and Morgan. 2,993,379.
Van Allen, Vincent K., and Morgan. 2,993,365.
Morgan, David L., to Robertshaw-Fulton Controls Co. Timing devices. 2,993,965, 7–25–61, Cl. 200—34.
Morgan Development Laboratories, Inc.: *See*—
Linsley, Douglas F. 2,997,148.
Morgan, Porter S. 2,985,057.
Morgan, Porter S. 2,985,058.
Morgan, Porter S. 2,985,059.
Morgan, Duane L.: *See*—
Anderson, Harry C. 3,007,277.
Morgan Fairest Ltd.: *See*—
Fairest, Barry M. 2,978,854.
Morgan, Edgar O.: *See*—
Bacon, Karl W., and Morgan. 3,006,286.
Morgan, Elmer A., and F. S. Anderson. Cotton chopping machine. 3,000,449, 9–19–61, Cl. 172—94.
Morgan Engineering Co., The: *See*—
Schaper, Donald W. 2,973,942.
Morgan, Frank A. Tire demounting apparatus. 2,978,016, 4–4–61, Cl. 157—1.2.
Morgan, George L.: *See*—
Kesler, Martin L., and Morgan. 2,981,729.
Morgan, Gerard E., Jr., to John T. Riddell, Inc. Crown piece for helmets. 2,969,546, 1–31–61, Cl. 2—3.
Morgan, Harold D. and Harvey D. Anchor. 2,990,799, 7–4–61, Cl. 114—208.
Morgan, Harold R., to The Kendall Co. Wiry strand packaging mechanism. 3,014,262, 12–26–61, Cl. 28—21.
Morgan, Harold S.: *See*—
Kempf, Walter R., and Morgan. 2,985,703.

Morgan, Harry A., Jr., to Reddi-Wip, Inc. Radial machine for aseptic canning and the like. 2,973,609, 3–7–61, Cl. 53—112.

Morgan, Harry B. Hair cutting machine. 2,972,351, 2–21–61, Cl. 132—45.

Morgan, Harry C., and A. Goudey, to Cohu Electronics, Inc. Digital voltmeter. 2,996,669, 8–15–61, Cl. 324—99.

Morgan, Harvey D.: *See*—
Morgan, Harold D. and Harvey D. 2,990,799.

Morgan, Jack F., and L. W. Vollmer, to General Aniline & Film Corp. Metallized dianisidine dyes. 2,970,993, 2–7–61, Cl. 260—147.

Morgan, James R., and J. M. High. Magnetic box holding bracket. 2,991,036, 7–4–61, Cl. 248—206.

Morgan, John E.: *See*—
Birkenbach, Eugene J., and Morgan. 2,998,855.

Morgan, John E., to John E. Morgan Patents, Inc. Underwear. 3,006,175, 10–31–61, Cl. 66—177.

Morgan, John E., to John E. Morgan Patents, Inc. Knitted undergarment. 3,010,302, 11–28–61, Cl. 66—177.

Morgan, John E., Patents, Inc.: *See*—
Morgan, John E. 3,006,175.
Morgan, John E. 3,010,302.

Morgan, John S., to Eastern Engraving and Machine Co., Inc. Process of preparing prototypes of embossed sheets. 2,988,838, 6–20–61, Cl. 41—24.

Morgan, John S. Hoisting apparatus for cylindrical tanks. 2,993,679, 7–25–61, Cl. 254—89.

Morgan, John W., to Controls Co. of America. Timer. 3,007,148, 10–31–61, Cl. 340—271.

Morgan, Joseph O.: *See*—
Layer, Edwin H., Jr., Olson, and Morgan. 3,012,383.

Morgan, Leonard P., to North American Philips Co., Inc. Device comprising an asymmetrical transistor trigger circuit and two input networks. 2,991,373, 7–4–61, Cl. 307—88.5.

Morgan, Lyman W.: *See*—
Hachmuth, Karl H., and Morgan. 2,995,208.

Morgan, Lyman W., to Phillips Petroleum Co. Measurement of polymerization reactions. 2,974,017, 3–7–61, Cl. 23—253.

Morgan, Madeleine: *See*—
Brant, Victor L., and Morgan. 2,981,771.

Morgan, Myles, to Morgan Construction Co. Rolling mill drive. 2,972,916, 2–28–61, Cl. 80—54.

Morgan Packing Co., Inc.: *See*—
Hill, Robert L. 2,967,386.

Morgan, Paul A., to American-Marietta Co. Self-wringing sponge mop releasable catch. 3,014,230, 12–26–61, Cl. 15—119.

Morgan, Paul B. Reliable battery power supply. 2,998,776, 9–5–61, Cl. 102—70.2.

Morgan, Paul W.: *See*—
Hill, Harold W., Jr., Kwolek, and Morgan. 3,006,899.
Parrish, Esperanza, McCartney, and Morgan. 2,988,782.

Morgan, Paul W., to E. I. du Pont de Nemours and Co. Synthetic polymer fibrid paper. 2,999,788, 9–12–61, Cl. 162—146.

Morgan, Philip R.: *See*—
Williams, Russell F., and Morgan. 3,013,733.

Morgan, Porter S., to Morgan Development Laboratories, Inc. Combined praxinoscope and phonograph. 2,985,057, 5–23–61, Cl. 88—16.2.

Morgan, Porter S., to Morgan Development Laboratories, Inc. Picture disk for praxinoscopic devices. 2,985,058, 5–23–61, Cl. 88—16.2.

Morgan, Porter S., to Morgan Development Laboratories, Inc. Phonograph record for praxinoscopic devices. 2,985,059, 5–23–61, Cl. 88—16.2.

Morgan, Raymond E., to General Electric Co. Fail-safe control apparatus. 3,015,039, 12–26–61, Cl. 307—88.

Morgan, Rexford R., to Phillips Petroleum Co. Cooling tower and its safe operation. 2,984,991, 5–23–61, Cl. 62—121.

Morgan, Robert W., W. W. Hastings, and C. A. Mass, to American Radiator & Standard Sanitary Corp. Liquid level gauge. 2,992,560, 7–18–61, Cl. 73—317.

Morgan, Sidney T., to Salem-Brosius, Inc. Valve. 2,973,180, 2–28–61, Cl. 251—170.

Morgan, Thomas D.: *See*—
Cooke, Brian A., Morgan, and Schweigart. 2,977,298.

Morgan, Thomas D., to Phillips Petroleum Co. Analytical instrument utilizing ionization and selective evaporation. 2,972,716, 2–21–61, Cl. 324—33.

Morgan, Vincent, to United States Borax & Chemical Corp. Method of producing sodium tetraborate tetrahydrate. 2,983,577, 5–9–61, Cl. 23—59.

Morgan, Walter A.: *See*—
Dinwiddie, James A., and Morgan. 2,976,132.

Morgan, Walter A., to Esso Research and Engineering Co. Electro-mechanical scanning voltage regulator. 2,969,461, 1–24–61, Cl. 250—41.9.

Morgan, Walter A., to Esso Research and Engineering Co. Mass spectrometry. 2,969,462, 1–24–61, Cl. 250—41.9.

Morgan, Walter F., Jr. Fixtures for luminous tubes. 3,011,744, 12–5–61, Cl. 248—50.

Morgan, Willard L.: *See*—
Colbert, William H., Morgan, and Weinrich. 3,010,850.

Morgan, Willard L., to Owens-Corning Fiberglas Corp. Reinforced polyolefins and process for making same. 3,013,915, 12–19–61, Cl. 154—43.

Morgan, Willard W. Fluid sampling apparatus. 2,983,147, 5–9–61, Cl. 73—424.

Morgan, William V.: *See*—
Doleman, Jack, and Morgan. 2,971,242.

Morganson, Peter H., to United States of America, Air Force. Mechanical timing unit. 3,000,468, 9–19–61, Cl. 185—39.

Morgenstern, David. Needled fabric and method. 2,970,365, 2–7–61, Cl. 28—72.2.

Morgenstern, David M.: *See*—
Rearwin, Earle W. 3,009,218.

Morganstern, Harold M., T. L. Brooks, and G. Shelton. Sewing machine with vacuum hold down. 2,983,241, 5–9–61, Cl. 112—260.

Morgen, Augustine C., to Morgen Mfg. Co. Scaffolding. 2,997,126, 8–22–61, Cl. 182—148.

Morgen Mfg. Co.: *See*—
Morgen, Augustine C. 2,997,126.

Morgner, Paul M.: *See*—
Wolf, Julius F., and Morgner. 2,993,012.

Morgret, Gordon L.: *See*—
Haas, James P., and Morgret. 2,976,953.

Mori, Joseph H.: *See*—
Jones, Frederick H., and Mori. 2,969,128.

Mori, Orlando. Washing machine for dishes. 3,012,262, 12–12–61, Cl. 15—3.

Moriarty, Joseph A.: *See*—
Wilson, Carl L., and Moriarty. 2,992,168.

Morice, Elton K.: *See*—
Conn, Francis E., Covert, Morice, and Weis. 3,003,566.

Morikawa, Tetsuo, and K. Takiguchi, to Monsanto Chemical Co. Vinyl chloride interpolymers. 3,012,013, 12–5–61, Cl. 260—78.5.

Morimoto, Osamu: *See*—
Osugi, Tetsuro, Tanabe, and Morimoto. 2,977,183.

Morimoto, Thomas E.: *See*—
Killey, Robert F., and Morimoto. 2,999,083.

Morin, Joseph A., to Textile Development and Machinery Ltd. Loom. 2,976,892, 3–28–61, Cl. 139—126.

Morin, Louis H., to Coats & Clark Inc. Traveler with facing shell of wear resistant material. 2,968,908, 1–24–61, Cl. 57—125.

Morin, Louis H., to Coats & Clark Inc. Method of producing continuous stringer workpieces with continuous covering members thereon. 2,969,029, 1–24–61, Cl. 112—265.

Morin, Louis H. Flat hold-open hinge. 2,970,338, 2–7–61, Cl. 16—141.

Morin, Louis H., to Coats & Clark Inc. Traveler and method of producing the same with pre-shaped cast insert. 2,973,556, 3–7–61, Cl. 18—30.

Morin, Louis H. Integral end stop for separable fasteners and the method of producing the same. 2,977,638, 4–4–61, Cl. 18—59.

Morin, Louis H., to Coats & Clark Inc. Ribbed barrel moulded plastic spools. 2,978,202, 4–4–61, Cl. 242—118.7.

Morin, Louis H. Method of making burr elements of separable fasteners. 2,979,776, 4–18–61, Cl. 18—56.

Morin, Louis H., to Coats & Clark Inc. Wear resistant surface covered separable fasteners. 2,979,796, 4–18–61, Cl. 24—205.1.

Morin, Louis H. Heeled separators for separable fasteners. 2,989,791, 6–27–61, Cl. 24—205.11.

Morin, Louis H., to Coats & Clark Inc. Method of molding plastic travelers with wire inserts. 2,999,276, 9–12–61, Cl. 18—59.

Morin, Louis H., to Coats & Clark Inc. Method of producing invisible-type plastic scoop stringers. 3,001,905, 9–26–61, Cl. 156—93.

Morin, Louis H., to Coats & Clark Inc. Method of producing smooth thread contact surface in molded travelers. 3,014,245, 12–26–61, Cl. 18—42.

Morin, Louis H., and O. Gries; said Gries assor. to Coats & Clark Inc. Apparatus and method for forming lock nuts having a washer molded in the nut body. 2,968,821, 1–24–61, Cl. 10—72.

Morin, Lucille T., and K. Matsuda, to American Cyanamid Co. 1-cyanoformimidic acid hydrazide. 3,004,060, 10–10–61, Cl. 260—465.5.

Morine, Charles V. Pineapple planting machine. 3,002,473, 10–3–61, Cl. 111—2.

Morison, James C.: *See*—
Doering, Fred W., and Morison. 2,974,367.
Doering, Fred W., and Morison. 3,003,211.

Morissette, Ray J. Sail boat sails. 2,971,488, 2–14–61, Cl. 114—103.

Morisuye, Masanobu: *See*—
Peuron, Unto A., and Morisuye. 2,997,676.

Morita, Masasuke, and S. Ito, to Nippon Electric Co. Ltd. F. M. reception system of high sensitivity. 3,001,068, 9–19–61, Cl. 250—20.

Moritz, Donald B.: *See*—
Ferguson, Hugh J., and Moritz. 2,988,318.

Moritz, Gunther E., to Reynolds Metals Co. Metal casting system. 2,983,972, 5–16–61, Cl. 22—57.2.

Moritz, Karsten H., to Esso Research and Engineering Co. Mechanical staging of dilute fluid platinum reactor bed. 2,970,100, 1–31–61, Cl. 208—65.

Moriya, Saburo M. Radial flow magnetic filter with radially directed magnetic flux. 2,993,601, 7–25–61, Cl. 200—223.

Mork, George W., to Bucyrus-Erie Co. Excavator tooth assembly. 2,992,498, 7–18–61, Cl. 37—142.

Mork, George W., to Bucyrus-Erie Co. Hinged boom stop. 2,999,601, 9–12–61, Cl. 212—59.

Mork, Milo L.: *See*—
Musall, John, and Mork. 2,977,605.

Mork, Ralph G.: *See*—
Demer, Frederick M., and Mork. 2,975,965.

Morkoski, James, to International Harvester Co. Control means for disk harrow. 2,967,574, 1–10–61, Cl. 172—328.

Morkoski, James, to International Harvester Co. Disk harrow. 2,998,854, 9–5–61, Cl. 172—600.

Morlan, Erwin A., to Hughes Tool Co. Rotary tunneling device having radially adjustable cutters. 2,998,964, 9–5–61, Cl. 262—7.

Morley, Frederick W. W., to Rolls-Royce Ltd. Protective arrangement for use with apparatus or machines having rotating parts. 2,999,667, 9–12–61, Cl. 253—39.

Morley, Frederick W. W., and H. Cook, to Rolls-Royce Ltd. Axial-flow compressors and turbines. 3,008,689, 11–14–61, Cl. 253—77.

Morley, John S., to Imperial Chemical Industries Ltd. 2-p-chlorobenzyl-1,2-benzisothiazolone. 3,012,039, 12–5–61, Cl. 260—304.

Morlik, Andrew L., to Saginaw Products Corp. Cable braked steered running gear assemblies. 3,012,638, 12–12–61, Cl. 188—192.

Morlite Equipment Co.: *See*—
Kalbrunner, Donaldson P. 2,978,573.

Mormile, Stephen V.: *See*—
Grasheim, Irving I., and Mormile. 2,989,706.

Moro, Antonio, to F.lli Borletti, S.p.A. Apparatus for obtaining in a zig-zag sewing machine an automatic displacement of the fabric apt to be amplitude adjusted. 2,972,319, 2–21–61, Cl. 112—158.

Moro, Antonio, to S.p.A. Fratelli Borletti. Means for automatic locking and releasing rechangeable work guiding cams in zig-zag sewing-machines. 2,983,531, 5–9–61, Cl. 287—53.

Moro, Antonio, to F. lli Borletti, S.p.A. Zig-zag sewing machine with variable sewing cycle. 3,000,333, 9–19–61, Cl. 112—158.

Moro, Dominik J.: *See*—
Kaplan, Louis G., and Moro. 2,987,339.

Moro-Lin, Joseph J. Portion dispensing container. 2,989,216, 6–20–61, Cl. 222—207.

Moroco, John C., L. F. Weldon, and J. V. Fischer, to Sharon Steel Corp. Coil turner. 3,012,683, 12–12–61, Cl. 214—130.

Morphet, Bentham R., and J. H. Mungo, to British-American Tobacco Co. Ltd. Recovery of tobacco from defective cigarettes. 2,976,872, 3–28–61, Cl. 131—96.

Morphett, Ian R., to North American Philips Co., Inc. Means for producing waveforms for phase comparators as used in TV receivers and the like. 3,012,201, 12–5–61, Cl. 328—134.

Morphew, Laurence R., to Ford Motor Co. Foldable seat. 3,001,820, 9–26–61, Cl. 297—324.

Morpul, Inc.: *See*—
Minton, Clarence W. 3,013,414.
Smith, Charles T. 3,007,325.

Morrell, Charles E.: *See*—
Langer, Arthur W., Jr., and Morrell. 3,008,949.

Morrell, James N., to E-I-M Co., Inc. Operator for a rotatable stem valve or the like. 3,011,359, 12–5–61, Cl. 74—509.

Morrell, John, & Co.: *See*—
Gardner, Patrick J. 2,976,656.
Gardner, Patrick J. 2,984,375.
Lowe, John M. 3,013,886.

Morren, Henri, to Union Chimique Belge, S.A. New piperazine derivatives. 2,981,735, 4–25–61, Cl. 260—268.

Morren, Henri, to Union Chimique Belge, S.A. Piperazine derivatives. 2,988,551, 6–13–61, Cl. 260—268.

Morrill, Frank B., to James Hunter Machine Co. Step-by-step feed mechanism. 2,981,118, 4–25–61, Cl. 74—142.

Morrill, Harry L., Jr. Swivel seat for automobiles. 2,987,115, 6–6–61, Cl. 155—182.

Morrill, Kenneth C.: *See*—
Morrill, Stanley V. 3,008,751.

Morrill, Stanley V., deceased, by K. C. Morrill, administrator. Pipe pulling clamps. 3,008,751, 11–14–61, Cl. 294—96.

Morris, Arthur L., to National Research Development Corp. Electromagnetic wave modulating devices. 3,001,151, 9–19–61, Cl. 332—51.

Morris and Associates, Inc.: *See*—
Morris, William F., Jr. 3,004,407.

Morris, Charles W., and A. R. Beckington, to Doak Aircraft Co., Inc. Aircraft flight control system. 2,974,900, 3–14–61, Cl. 244—12.

Morris, Dana L. Greeting card. 2,997,226, 8–22–61, Cl. 229—92.8.

Morris, Earl L., and G. L. Curtice, to Acorn Engineering Co. Fixture carrier construction. 3,012,250, 12–12–61, Cl. 4—170.

Morris, Edith J.: *See*—
Morris, Thomas C., and Johnson. 3,008,863.

Morris, Evelyn C. Apparatus for dispensing hot beverages. 2,989,994, 6–27–61, Cl. 141—82.

Morris, Frank A.: *See*—
Fisher, Charles R., Jr., and Morris. 2,976,347.

Morris, Frank A., H. L. Foote, and G. R. Paul, to General Dynamics Corp. Toll ticketing data handling system. 2,995,411, 8–8–61, Cl. 346—34.

Morris, Frank E. Line cleaning process. 2,974,071, 3–7–61, Cl. 134—21.

Morris, Gene F.: *See*—
Kundiger, Donald G., and Morris. 2,969,389.

Morris, George R.: *See*—
Woods, William K. H., and Morris. 2,989,179.

Morris, George V., to Zenith Radio Corp. Subscription television computer. 2,974,305, 3–7–61, Cl. 340—147.

Morris, George V., and L. Terek, to Zenith Radio Corp. Subscription television encoding apparatus. 2,980,901, 4–18–61, Cl. 340—365.

Morris, Gordon R.: *See*—
Wheeler, Wendell J., and Morris. 2,991,075.

Morris and Gorrell, Inc.: *See*—
Morris, William F., Jr. 3,004,395.

Morris, Harold B., to Toyad Corp. Pneumatic foam structures. 2,997,100, 8–22–61, Cl. 5—348.

Morris, Harold H.: *See*—
Cobb, Clifton A., and Morris. 2,996,810.

Morris, Harold H., and S. E. Stone, to Whirlpool Corp. Laundry machine with hydraulic separator. 3,003,346, 10–10–61, Cl. 68—12.

Morris, Harold H., J. W. Moore, and S. E. Stone, to Whirlpool Corp. Laundry machine with hydraulic separator. 3,003,347, 10–10–61, Cl. 68—12.

Morris, Harry, and H. C. Knights, to United Kingdom Atomic Energy Authority. Thermocouple cable arrangements. 3,000,803, 9–19–61, Cl. 204—193.2.

Morris, Henrietta S.: *See*—
Morris, Merchant U. 2,984,006.
Morris, Merchant U. 2,984,067.

Morris, Horton H.: *See*—
Beamesderfer, John W., and Morris. 2,974,054.

Morris, James P.: *See*—
Hunter, William C., Jr., Mower, Sutton, Morris, and Newton. 2,984,968.

Morris, John C.: *See*—
Israelson, Evert G., and Morris. 2,976,977.

Morris, John C., to Sperry Rand Corp. Letter space extend mechanism for typewriters. 2,996,165, 8–15–61, Cl. 197—84.

Morris, John C., to Sperry Rand Corp. Paper positioning means for business machines. 3,005,534, 10–24–61, Cl. 197—114.

Morris, John M., to Chain Belt Co. Apparatus for separating granular and pulverulent particles from flaky materials. 2,970,693, 2–7–61, Cl. 209—265.

Morris, John M., to Chain Belt Co. Vibratory mill. 2,970,781, 2–7–61, Cl. 241—175.

Morris, John N., and G. J. McCaul, ½ to S.U. Carburetter Co. Ltd., and ½ to Simmonds Precision Products, Inc. Reciprocatory fuel injection pumps. 2,967,520, 1–10–61, Cl. 123—140.

Morris, John N., and F. H. Truax, ½ to S. U. Carburetter Co. Ltd., and ½ to Simmonds Precision Products, Inc. Fuel injection nozzle. 3,008,653, 11–14–61, Cl. 239—453.

Morris, John U. Control apparatus responsive to a plurality of independently variable pressures. 2,967,537, 1–10–61, Cl. 137—82.

Morris, John U. Fluid control system and apparatus. 3,014,490, 12–26–61, Cl. 137—98.

Morris, John W., to Pittsburgh Plate Glass Co. Method and apparatus for edge sealing. 2,999,779, 9–12–61, Cl. 154—2.71.

Morris, Jolly L. Slotted shell coupling clamp. 3,004,781, 10–17–61, Cl. 285—369.

Morris, Joseph: *See*—
Demo, Max J. 2,974,533.
Demo, Max J. 2,998,086.

Morris, Joseph. Mechanical hammer. 2,974,535, 3–14–61, Cl. 74—22.

Morris, Kenneth B.: *See*—
Crosfield, John F., Morris, and Allen. 2,969,016.

Morris, Kenneth R., to Micrometrical Mfg. Co. Means producing variable height pulses under control of input voltage exceeding preselected minimum. 2,990,531, 6–27–61, Cl. 328—171.

Morris, Maron L.: *See*—
Brewer, Thomas L., Morris, and Soriero. 3,007,539.

Morris, Merchant U., deceased; H. S. Morris, administratrix, to herself. Butter dispenser. 2,984,006, 5–16–61, Cl. 31—6.

Morris, Merchant U., deceased; H. S. Morris, administratrix, to herself. Variable speed steam engine. 2,984,067, 5–16–61, Cl. 60—27.

Morris, Peter R.: *See*—
Agius, Peter J. V. J., and Morris. 2,984,654.

Morris, Phillip, Inc.: *See*—
Hind, John D., and Crayton. 2,995,476.
Sproull, Reavis C., and Cosby. 2,996,177.

Morris, Quentin L.: *See*—
Railsback, Henry E., and Morris. 3,013,926.

Morris, Rexford M.: *See*—
Bolesky, John D., and Morris. 2,973,419.

Morris, Robert A., and R. von Heine-Geldern, to Mine Safety Appliances Co. of Pittsburgh. Method and apparatus for detecting minute concentrations of gases and vapors. 2,968,730, 1–17–61, Cl. 250—83.6.

Morris, Robert B. Panoramic adapter for cameras. 2,986,980, 6–6–61, Cl. 95—16.

Morris, Robert B., Jr.: *See*—
Cannon, John G., and Morris. 3,011,654.

Morris, Robert J.: *See*—
Shellard, Arthur D., Thompson, Gilmour, and Morris. 3,007,872.

Morris, Robert J. Dynamic curve tracer. 2,969,466, 1–24–61, Cl. 250—217.

Morris, Robert S., to American Optical Co. Spectacle cases. 2,966,985, 1–3–61, Cl. 206—5.

Morris, Robert S., to American Optical Co. Cases for lenses. 3,007,566, 11–7–61, Cl. 206—5.

Morris, Roger E., to The B. F. Goodrich Co. Alkylidene bis-indanols as deterioration retarders for rubbers. 2,969,343, 1–24–61, Cl. 260—45.95.

Morris, Roger E., to The B. F. Goodrich Co. 2-alkyl-4,5-dimethylphenols as deterioration retarders for rubbers. 2,991,272, 7–4–61, Cl. 260—45.95.

Morris, Ronald E.: *See*—
Belcher, Bryan L., Blyth, Buckingham, Davies, Chamberlin, Fletcher, Morris, Mansfield, and Upton. 2,982,093.
Chamberlin, Reginald H. D., Morris, Davies, and Fletcher. 2,979,892.

Morris, Ronald E., G. F. Upton, A. L. Davies, and A. L. R. Fletcher, to D. Napier & Son Ltd. Compound ramjet-turborocket engine. 2,995,893, 8–15–61, Cl. 60—35.6.

Morris, Thomas C., deceased (by E. J. Morris, administratrix), and E. C. Johnson, to B. B. Chemical Co. Methods of bonding polyethylene. 3,008,863, 11–14–61, Cl. 156—339.

Morris, Thomas C., A. D. Macdonald, C. W. Roop, and C. Rossitto, to B. B. Chemical Co. Rubber composition containing the reaction product of lead oxide with a phenolic resin, and liquid adhesive comprising same. 3,008,912, 11–14–61, Cl. 260—31.2.

Morris, Vernon B., Jr., W. L. W. Ogden, and F. Sobel, to The Bendix Corp. Apparatus for testing and sorting humidity-responsive electrical resistor or hygrometer. 2,978,102, 4–4–61, Cl. 209—81.

Morris, Walter H.: *See*—
Sears, Richard E., and Morris. 2,978,920.

Morris, Walter H., and P. Anderson, to Beaver Precision Products, Inc. Ball way construction. 3,008,774, 11–14–61, Cl. 308—3.

Morris, Wesley B. Exercising device. 2,977,120, 3–28–61, Cl. 272—81.

Morris, William E. Kidney stone extracting machine. 3,008,467, 11–14–61, Cl. 128—328.

Morris, William F., Jr., to Morris and Gorrell, Inc. Method of handling refrigerant. 3,004,395, 10–17–61, Cl. 62—66.

Morris, William F., Jr., to Morris and Associates, Inc. Continuous poultry chiller apparatus and method. 3,004,407, 10–17–61, Cl. 62—374.

Morris, William G.: *See*—
Benkovsky, Francis V., Siltamaki, and Morris. 2,992,568.

Morris, William J. Fountain handle for conventional broomheads. 2,975,463, 3–21–61, Cl. 15—544.

Morris, William T. Tire curing bag construction. 2,970,344, 2–7–61, Cl. 18—45.

Morrish, Desmond G., to Ardente Acoustic Laboratories Ltd. Electrical control components. 2,999,992, 9–12–61, Cl. 338—163.

Morrish, Leonard M., and L. E. Muller, to General Motors Corp. Exhaust muffler. 2,985,252, 5–23–61, Cl. 181—56.

Morrison, Albert R.: *See*—
Whitehurst, Harry B., Morrison, and Collier. 2,979,424.

Morrison, Albert R., J. A. Apellaniz, and B. D. Wise, to Owens-Corning Fiberglas Corp. Multiple stage methods and apparatus for curing the binder of fibrous glass masses. 2,997,096, 8–22–61, Cl. 154—27.

Morrison, Alvin I.: *See*—
Burson, Bayard T., and Morrison. 2,986,675.

Morrison, Billy. Automobile luggage rack cover. 3,000,419, 9–19–61, Cl. 150—52.

Morrison, Charles S., and R. E. Harrington, to Deere & Co. Farm implement. 2,987,127, 6–6–61, Cl. 172—484.

Morrison, George H., F. C. Palilla, and W. Zloczower, to Sylvania Electric Products Inc. Phosphors and methods for producing same. 2,999,818, 9–12–61, Cl. 252—301.6.

Morrison, Harold E.: *See*—
Geldhof, Peter E. and Morrison. 2,983,314.

Morrison, John A.: *See*—
Bucy, J Fred, Jr., Jones, Morrison, and Spieker. 2,994,851.

Morrison, John B.: *See*—
Pearson, John D., Herbert, Reid, and Morrison. 2,983,032.

Morrison, John O.: *See*—
Clark, James A., and Morrison. 3,012,437.

Morrison, Linwood P.: *See*—
Henry, James W., and Morrison. 3,002,900.

Morrison, Linwood P., T. A. Hale, and G. W. Parker, to United States of America, Navy. Process for electrodepositing lead dioxide. 2,994,649, 8–1–61, Cl. 204—57.

Morrison, Louis H.: *See*—
Oliver, Joseph J., and Morrison. 2,980,859.

Morrison Products, Inc.: *See*—
Kardos, Peter. 2,980,780.

Morrison, Robert H., to Packman Machinery Ltd. Handling of biscuits and the like. 2,976,979, 3–28–61, Cl. 198—45.

Morrison, Stanley R., to Minneapolis-Honeywell Regulator Co. Electrical hygrometer device. 2,975,638, 3–21–61, Cl. 73—336.5.

Morrison Steel Products, Inc.: *See*—
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Morrison, Thomas W., to SKF Industries, Inc. Mounting device that centralizes ball while testing its surface for waviness. 2,997,791, 8–29–61, Cl. 33—178.

Morrison, Willard L., to Liquefreeze Co., Inc. Insulated container. 2,969,164, 1–24–61, Cl. 220—9.

Morrison, Willard L., to Liquefreeze Co., Inc. Method of superchilling frozen food. 2,969,649, 1–31–61, Cl. 62—64.

Morrison, Willard L., to Conch International Methane Ltd. Transportation and use of liquefied natural gas. 2,975,608, 3–21–61, Cl. 62—53.

Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Self-service display counter. 2,976,099, 3–21–61, Cl. 312—267.

Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Multi-spark ignition engine for fixation of nitrogen. 2,977,938, 4–4–61, Cl. 123—1.

Morrison, Willard L., to Liquefreeze Co., Inc. Method of preserving edible material. 2,978,336, 4–4–61, Cl. 99—192.

Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Self-service display counter. 2,983,108, 5–9–61, Cl. 62—62.

Morrison, Willard L., to Liquefreeze Co. Insulated shipper container. 2,988,241, 6–13–61, Cl. 220—9.

Morrison, Willard L., to Liquefreeze Co., Inc. Insulated shipper container with collapsible interior insulation. 2,992,753, 7–18–61, Cl. 220—9.

Morrison, Willard L., to Conch International Methane Ltd. Insulated tank for liquefied hydrocarbons and the like with loose membranous lining therefor. 2,994,452, 8–1–61, Cl. 220—9.

Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Refrigerated display counter with automatic door opening. 2,994,572, 8–1–61, Cl. 312—116.

Morrison, Willard L., to Liquefreeze Co., Inc. Natural gas expansion refrigeration system. 3,002,362, 10–3–61, Cl. 62—102.

Morrison, Willard L., to Liquefreeze Co., Inc. Insulating portable shipper container. 3,007,597, 11–7–61, Cl. 220—11.

Morriss, Francis V.: *See*—
Chappelow, Cecil C., and Morriss. 2,993,930.

Morrissette, Edward S.: *See*—
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Morrissey, Carl H. Automobile shoe scraper and brush assembly. 2,979,340, 4–11–61, Cl. 280—164.

Morrissey, Joseph W.: *See*—
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Morrissey, William M., Jr., to General Electric Co. Pedal operated door opener. 3,012,837, 12–12–61, Cl. 312—319.

Morrisson, Reeves, to United Aircraft Corp. Ionization cooling. 2,992,177, 7–11–61, Cl. 204—193.2.

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Morrow, Bobby J. Athlete's kick gauge. 3,010,321, 11–28–61, Cl. 73—379.

Morrow, David, to Flight Refueling Inc. Aerial drogues. 3,011,737, 12–5–61, Cl. 244—3.

Morrow, Edward L.: *See*—
Brown, Richard L., and Morrow. 3,014,303.
Brown, Richard L., Morrow, and Vartanian. 3,014,304.

Morrow, Fred A. Dispenser closure. 3,007,614, 11–7–61, Cl. 222—490.

Morrow, Harry E., to Diamond Chain Co., Inc. Method of making link plates for chain. 2,994,186, 8–1–61, Cl. 59—8.

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Morrow, Wallace E.: *See*—
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Morsch, Jesse J. Rotatably-mounted faucet washers. 2,978,220, 4–4–61, Cl. 251—88.

Morschel, Franz. Relay-contactor. 2,977,438, 3–28–61, Cl. 200—87.

Morschel, Heinrich: *See*—
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Morse, Albert R., to Injection Molders Supply Co. Bleed back for injection molding cylinders. 2,977,634, 4–4–61, Cl. 18—30.

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Morse, Charles L. Supplemental pneumatic tire. 3,004,575, 10–17–61, Cl. 152—175.

Morse, Charles L. Supplemental pneumatic tire. 3,004,576, 10–17–61, Cl. 152—175.

Morse, Charles L. Supplemental pneumatic tire. 3,004,577, 10–17–61, Cl. 152—175.

Morse, Edward A., to Personal Products Corp. Cleaning product. 3,005,543, 10–24–61, Cl. 206—56.

Morse, Harold H., to National Distillers and Chemical Corp. Means for forming continuous self-supporting lengths of compacted material. 3,014,238, 12–26–61, Cl. 18—12.

Morse, Harold H., and W. A. Mohun, to Nilok Chemicals, Inc. Process for producing cyanogen chloride. 3,011,864, 12–5–61, Cl. 23—14.
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Morse, John F. Single lever control for electrical gear shift. 2,966,970, 1–3–61, Cl. 192—.98.
Morse, John F. Throttle control mechanism for single lever control. 2,971,618, 2–14–61, Cl. 192—.096.
Morse, John F. Neutral throttle stop for single lever engine control. 2,973,069, 2–28–61, Cl. 192—.096.
Morse, John F. Push-pull cable mounting bracket for marine engine control. 2,975,653, 3–21–61, Cl. 74—501.
Morse, John F. Single lever engine control unit. 2,985,268, 5–23–61, Cl. 192—.098.
Morse, John F. Auxiliary throttle control for single lever control. 2,987,152, 6–6–61, Cl. 192—.96.
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Morse, Meroe M., to Polaroid Corp. Photographic process and composition. 2,984,565, 5–16–61, Cl. 96—29.
Morse, Milton. Method of molding and bonding silicone rubber to metal. 2,968,840, 1–24–61, Cl. 18—59.
Morse, Philip, to Nutrilite Products, Inc. Vitamin C concentrate. 3,012,942, 12–12–61, Cl. 167—81.
Morse, Philip, to Nutrilite Products, Inc. Vitamin C concentrate. 3,012,943, 12–12–61, Cl. 195—2.
Morse, Robert J., to Bendix-Westinghouse Automotive Air Brake Co. Supply and exhaust valve with snap action. 3,002,520, 10–3–61, Cl. 137—102.
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Morse, Roy E., and F. A. Di Pasquale, to Reliable Packing Co. Electrical stunning of animals. 2,977,627, 4–4–61, Cl. 17—1.
Morse, Stewart W., Jr., to Celanese Corp. of America. Treating filamentary material. 2,999,004, 9–5–61, Cl. 18—54.
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Morser, Calvin S., R. E. Maloney, and C. H. Benoit, to Northrop Corp. Hydrostatic rotary coupling. 3,005,666, 10–24–61, Cl. 308—122.
Morseth, Richard H., and P. M. Paulsrude, to Wood Specialty Products, Inc. Accordion-folded door assembly. 2,994,371, 8–1–61, Cl. 160—231.
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Mortensen, Lewis G. Apparatus for conveying materials. 2,985,486, 5–23–61, Cl. 302—49.
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Mortenson, Magne. Flotation processes. 2,980,253, 4–18–61, Cl. 209—166.
Morterol, Michel. Collapsible container. 2,969,889, 1–31–61, Cl. 220—6.
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Mortimer, Frank R., and W. H. Bent, to Dunlop Rubber Co. Ltd. Fluid pressure control valve mechanism. 2,992,046, 7–11–61, Cl. 303—54.
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Morton, Eldred O., to Westinghouse Electric Corp. Laundry apparatus. 2,994,216, 8–1–61, Cl. 68—140.
Morton, Evans T., and W. H. Weinrich, to Admiral Corp. Combined dehumidifier and humidifier. 2,998,504, 8–29–61, Cl. 219—39.
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Morton, George A., to Radio Corp. of America. Infra red image tube. 3,014,147, 12–19–61, Cl. 313—65.
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Morton, Glen R. Molten metal feeding tube for metal casting machines. 2,977,649, 4–4–61, Cl. 22—68.
Morton, Glen R. Carburetor for internal combustion engines. 2,983,492, 5–9–61, Cl. 261—34.
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Morton, Henry E. Ram-mounted quick-detachable machining apparatus. 2,987,969, 6–13–61, Cl. 90—11.
Morton, James S., and J. Savage, to The British Iron and Steel Research Corp. Casting of metals. 2,975,493, 3–21–61, Cl. 22—139.
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Morton, Paul S. Sliding type of color selector. 2,995,836, 6–20–61, Cl. 35—28.3.
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Morton, Robert C., to California Computer Products, Inc. Electrical switching device. 3,009,071, 11–14–61, Cl. 307—146.
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Morway, Arnold J., to Esso Research and Engineering Co. Lubricating grease compositions. 2,976,242, 3–21–61, Cl. 252—35.
Morway, Arnold J., C. R. Daniels, and R. P. Spray, to Esso Research and Engineering Co. Process of making an improved carboxylic acid salt complex thickened lubricant. 2,973,321, 2–28–61, Cl. 252—39.
Morway, Arnold J., and A. H. Matuszak, to Esso Research and Engineering Co. Lubricating grease compositions containing novel soap-salt complexes. 2,976,241, 3–21–61, Cl. 252—33.6.
Morway, Arnold J., and J. O. Smith, Jr., to Esso Research and Engineering Co. Stable calcium acetate-mineral oil dispersion. 2,976,243, 3–21–61, Cl. 252—40.7.
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Morway, Arnold J., and J. H. Bartlett, to Esso Research and Engineering Co. Lubricating grease compositions containing a salt of an alicyclic acid. 3,010,901, 11–28–61, Cl. 252—39.

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Mosby, William L., and W. L. Berry, to American Cyanamid Co. Naphthalimido-triazino-anthraquinone. 2,967,861, 1–10–61, Cl. 260—249.

Mosch, Alfred. Pocket utensil holder. 2,993,586, 7–25–61, Cl. 206—38.

Mosch, Willi, G. Thiele, E. Paul, and R. Zabel, to Siemens-Schuckertwerke Aktiengeselischaft. Current translating system with semiconducting p-n junction rectifiers. 2,969,495; 1–24–61, Cl. 321—14.

Moscrip, Arthur D., and I. W. Mills, to Sun Oil Co. Separating isophthalic and terephthalic acids. 2,997,500, 8–22–61, Cl. 260—525.

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Moseley, Francis L., and A. O. Holdo, to F. L. Moseley Co. Logarithmic converters. 2,975,370, 3–14–61, Cl. 328—145.

Moseley, James T. W., to Holley Carburetor Co. Cold starting means for carburetors. 2,985,159, 5–23–61, Cl. 123—119.

Moseley, James T. W., to Holley Carburetor Co. Carburetor fuel nozzle. 2,986,378, 5–30–61, Cl. 261—19.

Moseley, James T. W., to Holley Carburetor Co. Automatic choke adjustment. 3,006,617, 10–31–61, Cl. 261—39.

Moseley, Kemper N. Tobacco hogshead. 2,982,435, 5–2–61, Cl. 217—44.

Moseley, Meekie D., Jr. Magnetic junk retriever. 3,011,819, 12–5–61, Cl. 294—65.5.

Moseley, Tomlinson I., and J. Guangorena, Barient Co. Winch. 2,978,224, 4–4–61, Cl. 254—186.

Mosemiller, Robert L., to Miller Printing Machinery Co. Sheet feeder. 3,007,697, 11–7–61, Cl. 271—56.

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Moser, Carl M., to John C. Virden Co. Recessed lighting fixture. 2,972,676, 2–21–61, Cl. 240—78.

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Moser, Frank T., to F. D. Black, Jr., W. Justin, J. H. Meehan, C. Slade, M. M. Fiterman, and H. Pratt. Variegator attachment for soft frozen confection freezer. 2,978,996, 4–11–61, Cl. 107—1.

Moser, Henry W., to Samuel M. Langston Co. Machines for performing operations on sheet materials. 3,004,456, 10–17–61, Cl. 83—80.

Moser, Henry W., to Samuel M. Langston Co. Roll density control for slitter winders. 3,009,666, 11–21–61, Cl. 242—66.

Moser, Henry W., W. Grobman, and E. O. P. Eskilson, to Samuel M. Langston Co. Printer-slotter machines. 2,975,706, 3–21–61, Cl. 101—181.

Moser, Henry W., T. H. Paris, and J. Paterson, to Samuel M. Langston Co. Mill roll stand. 2,991,953, 7–11–61, Cl. 242—57.1.

Moser, Henry W., S. J. Koniers, and E. B. Seeger, to Samuel M. Langston Co. Double facer machines. 2,993,527, 7–25–61, Cl. 154—32.

Moser, Henry W., and E. Bolliger, to Samuel M. Langston Co. Flying cutter control means for varying flying frequency and retaining flying speed of cutters. 3,003,380, 10–10–61, Cl. 83—299.

Moser, Henry W., W. Grobman, and E. O. P. Eskilson, to Samuel M. Langston Co. Printing machine ink roll vibrator. 3,013,489, 12–19–61, Cl. 101—350.

Moser, Marcel: *See*—
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Moser, Paul, to W. Lindemann. Baling presses. 2,989,916, 6–27–61, Cl. 100—232.

Moser, Rene O.: *See*—
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Moser, Richard, to Schweizerische Wagons-und Aufzugefabrik A.-G. Schlieren-Zurich. Elevator control. 2,989,148, 6–20–61, Cl. 187—48.

Moser, Rudolf, to Ringier & Co. A.G. Apparatus for folding paper webs in rotary machines. 2,982,543, 5–2–61, Cl. 270—60.

Moser, Stanley L. Harrow and chain drag. 2,997,115, 8–22–61, Cl. 172—189.

Moser, Vincent J., to Rohm & Haas Co. Bonded non-woven fibrous products and methods of producing them. 3,012,911, 12–12–61, Cl. 117—140.

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Stirnemann, Ernst, Moser, and Perl. 2,996,511.

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Moses, Harry, to United States of America, Atomic Energy Commission. Electronic bivane wind direction indicator. 2,983,144, 5–9–61, Cl. 73—188.

Moses, Hugo: *See*—
Krauss, Harold, Moses, and Liebman. 2,970,363.

Moses, Nelson K., to Railroad Rubber Products, Inc. Traction rail anchors. 2,996,256, 8–15–61, Cl. 238—283.

Moses, William, to S. B. Penick and Co. Ion exchange separation of gramicidin and tyrothricin. 2,992,164, 7–11–61, Cl. 167—65.

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Mosey, Frederick W., O. V. Langford, and J. Wild, to Seal-Less Strapping Ltd. Apparatus for looping flexible binding material around packages and the like. 2,968,234, 1–17–61, Cl. 100—26.

Mosher, James K., to Schulz Tool and Mfg. Co. Center of gravity fuel control system. 2,969,803, 1–31–61, Cl. 137—98.

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Mosher, Robert A., and P. O. Marti, Jr., to Standard Oil Co. Restricted ammonium nitrate propellant. 3,012,506, 12–12–61, Cl. 102—98.

Mosher, Robert A., and W. G. Stanley, to Standard Oil Co. Shaped ammonium nitrate propellant. 3,012,507, 12–12–61, Cl. 102—98.

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Mosier, William H., to Owens-Corning Fiberglas Corp. Method and apparatus for packaging fibrous materials. 2,973,607, 3–7–61, Cl. 53—24.

Moskovitz, Milton A. Axial and thrust-absorbing resilient pivot joints. 2,973,213, 2–28–61, Cl. 287—85.

Moskovitz, Milton A., and J. E. Collier; said Collier assor. to Chrysler Corp., and said Moskovitz assor. of ½ to H. Frankel. Ball joint connecting means. 2,977,131, 3–28–61, Cl. 280—96.2.

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Moskowitz, Lester R., and R. R. Peterson, to Erlez Mfg. Co. Vibratory bulk feeder. 2,997,158, 8–22–61, Cl. 198—220.

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Moslo, Ernest P. Plasticizing head. 2,979,772, 4–18–61, Cl. 18—30.

Moslo, Ernest P. Regenerative circuit for fluid actuated motor. 2,995,117, 8–8–61, Cl. 121—45.

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Moss, Gerard, and A. J. Lundy, to Short Brothers and Harland Ltd. Launching support for rocket-propelled missiles. 3,011,405, 12–5–61, Cl. 89—1.7.

Moss, Jack. Business form assembly. 2,980,446, 4–18–61, Cl. 282—22.

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Moss, Norman, and G. J. Deverill, to The Plessey Co. Ltd. Mechanical governors. 2,987,926, 6–13–61, Cl. 73—534.
Moss, Norman S., G. Orloff, and A. Scott, to Rotol Ltd. Aircraft undercarriages. 3,010,682, 11–28–61, Cl. 244—108.
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Long, Samuel W., and Moss. 2,976,325.
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Moss, Theron V. Mop swab. 3,011,198, 12–5–61, Cl. 15—229.
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Mosse, Richard W. E., to The Metal Box Co. Ltd. Apparatus for setting-up cartons. 3,010,373, 11–28–61, Cl. 93—51.
Mosshart, Crockett, G. O. Edgerly, R. R. Eccleston, and A. W. Sear, to United States Rubber Co. Method of making a diaphragm for fluid spring. 2,980,571, 4–18–61, Cl. 154—81.
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Byrne, John F. 2,989,623.
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Kroger, Marlin G. 2,970,188.
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Race, Richard T. 2,984,778.
Robillard, Jean J. A. 2,984,795.
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Schlesinger, Kurt. 2,997,621.
Schwarz, Friedrich W. 2,970,730.
Shano, Charles L. 2,983,844.
Silberbach, Richard. 2,972,114.
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Steel, Francis R. 3,007,118.
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Thompson, Reynald E. 2,983,885.
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Yoder, Raymond S. 3,005,049.
Motosi, Aldo. Froth flotation process and machine. 3,000,501, 9–19–61, Cl. 209—169.
Motsinger, Armard V. Gas mask speech transmission. 2,974,665, 3–14–61, Cl. 128—141.
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Mott, George R., and E. H. Lehmann, to Xerox Corp. Xerographic development. 3,008,826, 11–14–61, Cl. 96—1.
Mott, Howard V. S. Shoe fitting. 2,999,256, 9–12–61, Cl. 12—142.
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Mott, William E., to Gulf Research & Development Co. Borehole logging. 2,994,774, 8–1–61, Cl. 250—84.
Mott, William E., to Gulf Research & Development Co. Logging apparatus. 2,994,775, 8–1–61, Cl. 250—84.5.
Mott, William E., to Gulf Research & Development Co. Stabilized borehole logging. 2,994,776, 8–1–61, Cl. 250—84.5.
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Motter, Charles. Vehicle light. 2,992,322, 7–11–61, Cl. 240—44.2.
Motter, Theodore J.: *See*—
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Mottier, Edouard: *See*—
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Mottier, Felix and E. Anti-fog lighting projector. 2,999,924, 9–12–61, Cl. 240—41.35.
Mottlau, August Y., to Esso Research and Engineering Co. Tritium labeling process. 3,009,971, 11–21–61, Cl. 260—676.
Mottu, André, to Societe Genevoise d'Instruments de Physique. Machine-tool control servosystem. 2,998,560, 8–29–61, Cl. 318—28.
Mottu, Andre, to Societe Genevoise d'Instruments de Physique. Compensating guide means. 3,014,765, 12–26–61, Cl. 308—3.
Mottu, Andre, and R. Viret, to Societe Genevoise d'Instruments de Physique. Memoir member for a repeater device. 2,986,021, 5–30–61, Cl. 64—10.
Mottu, Andre, and G. Rollat, to Societe Genevoise d'Instruments de Physique. Electrical contact device. 3,005,078, 10–17–61, Cl. 200—166.
Mottu, André, and R. Viret, to Societe Genevoise d'Instruments de Physique. Repeater device of the stop positions of a mobile member of a precision machine-tool or of a measuring machine. 3,012,452, 12–12–61, Cl. 77—4.
Mottu, André, and R. Viret, to Societe Genevoise d'Instruments de Physique. Repeater device of the stop positions of a mobile member of a precision machine-tool or of a measuring machine. 3,012,453, 12–12–61, Cl. 77—4.
Mottus, Edward H.: *See*—
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Moullie, John T., Sr., to Schulte Brass Mfg. Co., Inc. Brackets for attaching wall fixtures. 2,975,557, 3–21–61, Cl. 50—22.
Moul, George E., Jr., to United States of America, Navy. Aerodynamic surface attaching structure. 3,004,645, 10–17–61, Cl. 189—88.
Mould, Richard J., and G. T. Downey, to Aero Supply Mfg. Co., Inc. Filter bypass indicator. 2,998,138, 8–29–61, Cl. 210—90.
Moulds, Francis G., to Kerr Mfg. Co. High velocity tool unit for dental engines. 2,983,047, 5–9–61, Cl. 32—27.

Moulds, William J., to United States of America, Air Force. Coaxial rotary joint. 2,999,218, 9–5–61, Cl. 339—8.
Moulin, Maurice P. A., to Commissariat a l'Energie Atomique. Latching devices for nuclear fuel elements. 3,009,868, 11–21–61, Cl. 204—193.2.
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St. Clair, William E., and Moult. 2,981,702.
Moulton, Alexander E., to Moulton Developments Ltd. Rubber spring suspensions. 3,004,755, 10–17–61, Cl. 267—21.
Moulton, Alexander E., and A. A. Issigonis, to Moulton Developments Ltd. Universal joints and couplings. 2,975,621, 3–21–61, Cl. 64—17.
Moulton, Alexander E., and P. W. Turner, to Moulton Developments Ltd. Vehicle suspensions having hydraulically effected differential interaction between front and rear wheels. 3,007,712, 11–7–61, Cl. 280—104.
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Moulton, Alexander E., and Issigonis. 2,975,621.
Moulton, Alexander E., and Turner. 3,007,712.
Turner, Philip W. 2,984,476.
Moulton, Lloyd J., and R. L. Dangler, to Curtiss-Wright Corp. Rotary vane type pump. 2,980,029, 4–18–61, Cl. 103—136.
Moulton, Lloyd J., and D. J. Baxter, to Curtiss-Wright Corp. Hydraulic governors. 3,011,352, 12–5–61, Cl. 73—523.
Moulton, Stephen W., to Philco Corp. Color television receiver with signal modifying system. 2,969,426, 1–24–61, Cl. 178—5.4.
Moulton, Stephen W., to Philco Corp. Electrical system. 2,995,680, 8–8–61, Cl. 315—31.
Mount, Jay A. Cooling for supersonic aircraft. 2,979,293, 4–11–61, Cl. 244—117.
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Bomke, Hans A., Minnerly, and Mount. 3,003,125.
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Sobotka, Harry, and Chanley. Re. 25,085.
Mouret, Pierre, B. Parly, and P. Pottier, to Commissariat a l'Energie Atomique. Method for the alkaline treatment of uranium ores by means of ion exchange resins. 2,982,605, 5–2–51, Cl. 23—14.5.
Mousseau, Bartley P. Tie plate chute. 2,967,599, 1–10–61, Cl. 193—5.
Moussoulos, Lucas S. Method for reduction treatment of molton iron bearing slag to obtain the contained iron and to draw advantage of heat energy content. 3,002,832, 10–3–61, Cl. 75—24.
Mouwen, Herman C., to Purolator Products, Inc. Porous media. 2,979,400, 4–11–61, Cl. 75—222.
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Movseslan, Edward N., to General Electric Co. Stator construction for turbine engines. 2,980,396, 4–18–61, Cl. 253—78.
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Mowry, Fred W., and D. A. Tench, to American Window Glass Co. Glass drawing apparatus. 2,972,836, 2–28–61, Cl. 49—17.
Moxley, William N. Massage machine. 2,976,437, 3–21–61, Cl. 310—63.
Moxon, Earl R., to Texaco Inc. Hand tool for straightening bent drum heads. 2,972,917, 2–28–61, Cl. 81—15.
Moy, Ben F.: *See*—
Hodge, John E., and Moy. 2,996,449.
Moy, John A. E.: *See*—
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Moy, John A. E., and B. W. Burbidge, to The British Petroleum Co. Ltd. Catalytic reforming of petroleum hydrocarbons with an alumina-chromium oxide catalyst containing bismuth oxide and an alkali metal oxide. 2,967,821, 1–10–61, Cl. 208—136.
Moy, John A. E., and B. W. Burbidge, to The British Petroleum Co. Ltd. Catalytic reforming of petroleum hydrocarbons with an alumina-chromium oxide catalyst comprising boron oxide. 2,967,822, 1–10–61, Cl. 208—136.
Moy, John A. E., P. T. White, and B. W. Burbidge, to The British Petroleum Co. Ltd. Catalytic reforming of non-aromatic hydrocarbons. 3,001,929, 9–26–61, Cl. 208—136.
Moy, Tsoy K., to Westinghouse Electric Corp. Jet propulsion apparatus. 2,972,860, 2–28–61, Cl. 60—35.54.
Moy, Tsoy K., and R. G. Glenn, to Westinghouse Electric Corp. Discharge control of an overexpanding propulsion nozzle. 2,971,327, 2–14–61, Cl. 60—35.6.
Moye, Lamar. Device for cleaning internal cylindrical surfaces. 3,007,187, 11–7–61, Cl. 15—104.09.
Moyer, Edward L., to The Bendix Corp. Forged wheel constructions and process of making same. 2,998,282, 8–29–61, Cl. 301—6.
Moyer, Edward L., and A. H. Osborne, to The Bendix Corp. Sealed bearing assembly. 3,011,841, 12–5–61, Cl. 308—187.1.
Moyer, Elmo E., and R. J. Klein, to Acme Electric Corp. Magnetic amplifier control circuit. 3,005,142, 10–17–61, Cl. 321—16.
Moyer, Elton S., to General Motors Corp. Torque sensitive brake control. 3,008,548, 11–14–61, Cl. 188—152.
Moyer, Elton S., to General Motors Corp. Vacuum control valve. 3,008,771, 11–14–61, Cl. 303—24.
Moyer, Hallard C.: *See*—
Elliott, William W., and Moyer. 3,014,854.
Moyer, Joseph J., to International Business Machines Corp. Parity check switching circuit. 3,011,073, 11–28–61, Cl. 307—88.5.
Moyer, Robert C., to Radio Corp. of America. Off-center indicator. 3,000,005, 9–12–61, Cl. 340—282.
Moyer, Robert F., to Harsco Corp. Compressible means for bushings. 3,007,746, 11–7–61, Cl. 308—4.
Moyer, Robert G.: *See*—
Brennan, Elmer W., and Moyer. 2,971,371.
Moyer, Robert G., to The Pure Oil Co. Lubricant tester. 3,009,351, 11–21–61, Cl. 73—10.
Moyer, Samuel P., to American Cyanamid Co. Polyelectrolytes in electrolysis. 2,978,394, 4–4–61, Cl. 204—108.
Moyer, Wendell W., Jr., J. Wynstra, and J. S. Fry, to Union Carbide Corp. Polycarbonate process. 2,970,131, 1–31–61, Cl. 260—47.
Moyer, Wilmer L.: *See*—
Simmerman, Richard C., Roudebush, and Moyer. 3,001,694.
Moyle, Clarence L.: *See*—
Butt, Frederick J., and Moyle. 3,002,883.
Moyle, Clarence L., and C. L. Meints, to The Dow Chemical Co. Carboxamides of N-pentachlorophenylethylenediamine. 2,993,062, 7–18–61, Cl. 260—404.5.
Moynier, Raymond: *See*—
Laborit, Henri, Guiot, Moynier, Baron, and Trzebski. 3,009,859.
Moynihan, Thomas J. Locking mechanism for double doors. 3,005,649, 10–24–61, Cl. 292—203.
Moyrand, Jean, and B. Bigot, to Compagnie de Saint-Gobain. Granular fertilizers and processes for making them. 2,978,313, 4–4–61, Cl. 71—37.
Moyroud, Louis M.: *See*—
Grea, Rene A., Hanson, Higonnet, and Moyroud. 2,988,276.
Higonnet, Rene A., and Moyroud. 2,966,836.
Higonnet, Rene A., and Moyroud. 2,973,080.
Higonnet, Rene A., Moyroud, and Hanson. 2,999,434.
Moyse, James A., and G. Williams, to Imperial Chemical Industries Ltd. Textile treatment process. 2,990,298, 6–27–61, Cl. 117—139.5.
Mozell, Thomas M.: *See*—
Gleason, Anthony H., and Mozell. 2,993,050.
Mrava, Gene L.: *See*—
Stiglic, Paul M., and Mrava. 2,984,213.
Mroncz, Emanuel: *See*—
Suter, Bruno, Golucke, Ehrhardt, Jakobs, Meder, Mroncz, and Frohlich. 3,003,219.
Mroz, Edward L.: *See*—
Heller, Robert M., Cragin, and Mroz. 2,983,534.
Mrvosh, Michael, Jr., to Hagan Chemicals & Controls, Inc. High-speed pneumatic power cylinders. 2,980,070, 4–18–61, Cl. 121—41.
Mucchi, Leonardo. Stone-crushing machine having the rocking member directly mounted on the eccentric. 2,984,424, 5–16–61, Cl. 241—217.
Mucci, Ralph L.: *See*—
Nalbach, John R., Weston, and Mucci. 2,975,575.
Muccino, Louis F. Methods of covering golf balls. 2,973,800, 3–7–61, Cl. 154—17.
Muchnick, Samuel N., to United States of America, Air Force. Ascertaining surface condition. 3,009,100, 11–14–61, Cl. 324—54.
Muckler, Frank, and R. G. Fraser, to Southern Hotel and Restaurant Supplies, Inc., d.b.a. Washington Metal Products Co. Rack construction for dishwashing machines. 2,997,155, 8–22–61, Cl. 198—131.
Mudrak, Anton, and L. E. Stevick, to The Harshaw Chemical Co. Stabilized metal alcoholates. 3,006,941, 10–31–61, Cl. 260—448.
Muehl, Herman D. Fusible release handle. 3,012,446, 12–12–61, Cl. 74—519.

Muehlhausen, Charles H., to The Oliver Corp. Counterbalanced drive mechanism for harvester. 3,000,226, 9–19–61, Cl. 74—40.

Muehlner, Egon E., to General Dynamics Corp. Detecting probe. 2,988,718, 6–13–61, Cl. 338—28.

Muehter, Manfred W., to American District Telegraph Co. Direct current operated burglar alarm system with alternating current supervision. 3,010,100, 11–21–61, Cl. 340—276.

Mueller, Albert J.: *See*—
Gary, Wright W., and Mueller. 2,967,118.

Mueller, Alfred. Ice cream flavor mixing machine. 3,001,770, 9–26–61, Cl. 259—7.

Mueller, Alice R.: *See*—
Kichta, Philip M. 2,972,191.

Mueller, Allen L., to Burd & Fletcher Co. One piece collapsible partitioned carton. 2,983,426, 5–9–61, Cl. 229—28.

Mueller, Arthur P.: *See*—
Heilman, Russell H., Ortmiller, and Mueller. 2,971,878.

Mueller Brass Co.: *See*—
Gray, Robert A., Jr., Inch, and Fueslein. 3,000,345.

Mueller, Carl H., and V. G. Klein, to The McNeil Machine & Engineering Co. Valve. 3,013,531, 12–19–61, Cl. 121—13.

Mueller, Charles P.: *See*—
Brown, Jack T., Mueller, France, and Cochardt. 2,981,620.

Mueller, Charles W., to Radio Corp. of America. Semiconductor devices. 2,967,344, 1–10–61, Cl. 29—25.3.

Mueller, Charles W., to Radio Corp. of America. Semiconductor device assemblies. 3,001,113, 9–19–61, Cl. 317—236.

Mueller, Charles W., and L. E. Barton, to Radio Corp. of America. Switching transistor. 2,968,751, 1–17–61, Cl. 317—235.

Mueller Co.: *See*—
Leopold, Wilbur R., Jr., and Smith. 2,994,341.
Mueller, Frank H. Re. 25,029.
Mueller, Frank H., and Smith. 2,966,814.
Mueller, Frank H., and Smith. 2,986,958.
Mueller, Frank H., and Smith. 3,002,775.
Smith, John J. 2,994,503.
Webber, Claude H., and Mueller. 2,973,296.

Mueller, Emil G., to Westinghouse Air Brake Co. Tread brake apparatus for railway cars. 3,004,632, 10–17–61, Cl. 188—57.

Mueller, Eugen, H. Metzger, and D. Metzger-Fries. Bisnitrosohydrocarbon products. 3,009,965, 11–21–61, Cl. 260—647.

Mueller, Frank H.: *See*—
Webber, Claude H., and Mueller. 2,973,296.

Mueller, Frank H., to Mueller Co. Lubricated rotary plug valve. Re. 25,029, 8–22–61, Cl. 137—246.5.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Drilling machine. 2,966,814, 1–3–61, Cl. 77—40.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Drilling machine. 2,986,958, 6–6–61, Cl. 77—37.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Safety coupling for hydrant valve stem. 3,002,775, 10–3–61, Cl. 287—117.

Mueller, Frank J., to United States of America, Navy. Stabilized blocking oscillator. 2,972,061, 2–14–61, Cl. 307—88.5.

Mueller, Fritz K. Gyroscopic theodolite assembly. 2,966,744, 1–3–61, Cl. 33—72.

Mueller, Fritz K., to United States of America, Army. Air-supported spherical gyroscope. 2,968,954, 1–24–61, Cl. 74—5.6.

Mueller, Fritz W. H.: *See*—
Roth, Curt B., and Mueller. 2,991,177.

Mueller, George C.: *See*—
Rygelis, Joseph M., and Mueller. 2,971,390.

Mueller, George E., to Bell Telephone Laboratories, Inc. Radio control system. 3,010,416, 11–28–61, Cl. 114—23.

Mueller, Helmut C., to Bigelow-Sanford, Inc. Cutter for looped pile fabric. 3,009,247, 11–21–61, Cl. 30—294.

Mueller, Herman G. Steam traps. 2,988,101, 6–13–61, Cl. 137—183.

Mueller, Herman H., deceased; E. M. Mentzer, executrix. Apparatus for controlling intermission between the automatic playing of records. 2,984,490, 5–16–61, Cl. 274—1.

Mueller, Herman H., deceased; E. M. Mentzer, executrix. Automatic turntable speed and needle changer control for playing intermixed records. 2,997,303, 8–22–61, Cl. 274—10.

Mueller, Herman H., deceased; E. M. Mentzer, executrix. Automatic selective needle pressure control. 2,997,305, 8–22–61, Cl. 274—23.

Mueller, Herman H., deceased; E. M. Mentzer, executrix. Automatic record player. 3,003,771, 10–10–61, Cl. 274—10.

Mueller, Homer L., to American Machine and Foundry Co. Tire rim. 2,977,153, 3–28–61, Cl. 301—97.

Mueller, Homer L., to American Machine and Foundry Co. Rim for tubeless bicycle tires. 3,008,770, 11–14–61, Cl. 301—97.

Mueller, John J., and F. G. Tate, to United States of America, Atomic Energy Commission. Iron-aluminum base alloys. 2,987,394, 6–6–61, Cl. 75—124.

Mueller, Josef, to Daimler-Benz Aktiengesellschaft. Individual vehicle wheel suspension. 2,967,066, 1–3–61, Cl. 280—124.

Mueller, Josef, and F. H. van Winsen, to Daimler-Benz Aktiengesellschaft. Rigid axle for motor vehicles. 2,967,063, 1–3–61, Cl. 280—124.

Mueller, Josef, and F. H. Van Winsen, to Daimler-Benz Aktiengesellschaft. Independent wheel suspension for motor vehicles. 3,002,580, 10–3–61, Cl. 180—73.

Mueller, Josef C., Jr., to Norton Co. Coated abrasives. 2,984,052, 5–16–61, Cl. 51—188.

Mueller, Martin: *See*—
Strahammer, Josef V., and Mueller. 2,985,077.

Mueller, Milton W., to Thompson Ramo Wooldridge Inc. Test regulator. 3,001,535, 9–26–61, Cl. 137—51.

Mueller, Otto. Worm and worm wheel drive. 3,006,211, 10–31–61, Cl. 74—440.

Mueller, Otto. Index mechanism for a machine. 3,011,245, 12–5–61, Cl. 29—38.

Mueller, Paul, Co.: *See*—
Ray, Leroy. 2,994,909.

Mueller, Paul G. Time controlled valve. 2,982,307, 5–2–61, Cl. 137—624.15.

Mueller, Paul G. Strainer. 3,006,478, 10–31–61, Cl. 210—356.

Mueller, Richard A., to United States of America, Navy. Artificial sonar target. 2,975,396, 3–14–61, Cl. 340—5.

Mueller, Richard J., to Automatic Canteen Co. of America, Inc. Vending machines for dispensing freshly brewed beverages. 3,011,426, 12–5–61, Cl. 99—283.

Mueller, V., & Co.: *See*—
Tischler, Louis P. 2,994,321.

Mueller, Walter A., and T. R. B. Watson. Anodic protection of kraft digesters. 3,009,865, 11–21–61, Cl. 204—147.

Mueller, Walter K., to Allis-Chalmers Mfg. Co. Counterbalanced shutter blade arrangement for enclosed switchboard structures. 3,002,129, 9–26–61, Cl. 317—103.

Mueller, William F. Collapsible container. 3,014,516, 12–26–61, Cl. 150—50.

Mueller-Tamm, Heinz, F. Stastny, and K. Buchholz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Difficultly inflammable expandable styrene polymer containing an acetal or ether of 2,3-dibromo-propanol-1 and method of preparing same. 3,009,888, 11–21–61, Cl. 260—2.5.

Muench, Nils L., to Jersey Production Research Co. Method for improving gain stability of photomultiplier tubes. 3,015,033, 12–26–61, Cl. 250—207.

Muench, Nils L., B. A. Peters, and W. A. Hoyer, to Jersey Production Research Co. Radiation logging device. 2,998,523, 8–29–61, Cl. 250—84.5.

Muenier, Gerard: *See*—
Brichard, Edgard, Plumat, Meunier, and Delliere. 2,987,422.

Muenster, Wilhelm, E. Dreher, and M. Paul, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Linear terephthalate polyesters of aliphatic and aromatic glycols. 2,973,339, 2–28–61, Cl. 260—47.

Muenster, Wilhelm, and E. Dreher, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of hydroxyethylated phenols. 3,014,930, 12–26–61, Cl. 260—383.

Muerle, Richard W., and J. L. Radcliffe, to Montgomery Ward & Co., Inc. Self-propelled lawn mower. 2,996,134, 8–15–61, Cl. 180—19.

Mues, George A. Rosary place keeper. 2,990,625, 7–4–61, Cl. 35—23.

Muesing, Lawrence H.: *See*—
Atwater, Thomas V., Jr., Cox, and Muesing. 3,007,268.
Humphrey, David H., and Muesing. 3,014,634.

Muessel, Dan C., to Kawneer Co. Lock and latch assembly. 2,969,666, 1–31–61, Cl. 70—116.

Muessel, Dan C., to Kawneer Co. Building construction. 2,983,969, 5–16–61, Cl. 20—56.4.

Muessig, Clifford W.: *See*—
Minckler, Leon S., Jr., Small, Muessig, and Lippincott. 3,005,805.
Morway, Arnold J., Bartlett, and Muessig. 2,977,303.
Wanless, Graham G., Morway, Bartlett, and Muessig. 3,000,825.

Muessig, Clifford W., and G. E. Serniuk, to Esso Research and Engineering Co. Oxonation of butyl rubber and covulcanization products of same with natural rubber or butadiene-styrene copolymers. 3,011,984, 12–5–61, Cl. 260—5.

Muetterties, Earl L.: *See*—
Miller, Henry C., and Muetterties. 2,999,864.
Smith, William C., and Muetterties. 3,000,694.

Muffley, Robert V., and T. F. Flavin, to International Business Machines Corp. Clutching mechanisms having acceleration and deceleration operations. 3,011,611, 12–5–61, Cl. 192—147.

Muffly, Gary, to Gulf Research & Development Co. Apparatus for generating a function tape. 3,013,857, 12–19–61, Cl. 346—74.

Muffly, Glenn. Reversible refrigerating systems. 2,976,698, 3–28–61, Cl. 62—160.

Muffly, Glenn. Ice making and refrigerating systems. 2,997,860, 8–29–61, Cl. 62—344.

Muffly, Glenn. Refrigerating systems. 2,993,347, 7–25–61, Cl. 62—198.

Muffly, Glenn. Refrigerator humidity control. 3,012,412, 12–12–61, Cl. 62—176.

Mugler, Charles M. Piece of furniture usable as sofa or bed. 2,976,544, 3–28–61, Cl. 5—53.

Mühlbach, Anton: *See*—
Ruhr, Heinrich R., and Mühlbach. 2,995,764.

Muhlberg, Erhard: *See*—
Meurer, Siegfried, and Mühlberg. 2,979,043.
Muhleck, Earl M., to Bank of America National Trust and Savings Association. Steering assembly for automotive vehicles. 2,974,973, 3–14–61, Cl. 280—87.
Muhlegg, Kurt, to Hermann Lanz A.G. Fixing bridles. 2,993,256. 7–25–61, Cl. 24—278.
Muhlemann, Ernst, to Kulicke Frames, Inc. Supporting assembly. 2,992,464, 7–18–61, Cl. 24—73.
Muhlhausen, Cornelius, and K. Genski, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Polyurethane plastics. 2,981,719, 4–25–61, Cl. 260—75.
Mühlhoff, Friedrich, to Mauser Kommandit-Gesellschaft. Container for storing and transporting pourable materials. 2,971,686, 2–14–61, Cl. 229—7.
Mühlinghaus, Alexander: *See*—
Schlieker, Willy H., and Mühlinghaus. 2,993,166.
Muirhead & Co. Ltd.: *See*—
Beadle, Stanley, and Gee. 2,968,971.
Foll, John V. 2,969,035.
Muirhead, Francis H., Bell, and Foll. 2,991,748.
Tucker, Edwin W., and Richards. 2,995,501.
Tucker, Edwin W., and Richards. 3,005,729.
Muirhead, Francis H., J. Bell, and J. V. Foll, to Muirhead & Co. Ltd. Ship stabilizers. 2,991,748, 7–11–61, Cl. 114—126.
Mukai, Jiro, to Canon Camera Co., Inc. Wide angle photographic objective. 2,969,713, 1–31–61, Cl. 88—57.
Mulcahy, Harry W., and V. S. Danielson, to W. H. Miner, Inc. Shock absorbers for railway cars. 2,982,426, 5–2–61, Cl. 213—221.
Mulcahy, Harry W., and D. R. Holm, to W. H. Miner, Inc. Shock absorbers for railway cars. 2,982,427, 5–2–61, Cl. 213—221.
Mulch, Hans, and D. Nissel, to Ernst Leitz, Gesellschaft mit beschrankter Haftung. Slide projector. 3,001,445, 9–26–61, Cl. 88—28.
Mulch, Hans, and M. Riecke, to Ernst Leitz G.m.b.H. Slide projector. 3,013,469, 12–19–61, Cl. 88—26.
Mulconroy Co.: *See*—
Walsh, Joseph W., and McCombe. 2,978,263.
Muldawer, Leonard, and R. Feder, to United States of America, Army. Temperature responsive cadmium-silver-gold alloys. 3,012,882, 12–12–61, Cl. 75—134.
Mulder, Harm N.: *See*—
Bos, Jan A., and Mulder. 2,975,209.
Mulder, Marvin W., and N. H. Kleinhuizen. Tool box and step assembly. 2,981,554, 4–25–61, Cl. 280—164.
Muldowney, Thomas F., to United States of America, Navy. Rigging system for float-supported submerged bodies. 3,005,438, 10–24–61, Cl. 114—235.
Mulgrave, Thomas P., and F. O. Ringleb. Gyro stabilized vertical rising vehicle (discoid). 2,997,254, 8–12–61, Cl. 244—12.
Mulhauser, George, Jr.: *See*—
Nelson, George, and Mulhauser. 3,009,740.
Mulhern, William A., to Gar Wood Industries, Inc. Wheel trim retaining clip. 3,012,822, 12–12–61, Cl. 301—37.
Mulhole, William G., and J. J. Osmar, to Chicopee Mfg. Corp. Diaper holder. 3,000,381, 9–19–61, Cl. 128—284.
Mulholland, James R., to L. Gary, as trustee. Combined fluxing, cleaning, and tinning device and composition, and method of making the same. 2,978,370, 4–4–61, Cl. 148—24.
Mull, Robert P., to Ciba Pharmaceutical Products, Inc. Process for preparing (N,N-alkyleneimino)-lower alkyl-guanidines. 3,006,913, 10–31–61, Cl. 260—239.
Mullan, Daniel, to Westinghouse Electric Corp. Conveyor type basing and seasoning machine. 2,992,058, 7–11–61, Cl. 316—32.
Mullan, Daniel, and E. Zilahy, to Westinghouse Electric Corp. Detecting and sorting device for high speed incandescent lamp finishing machine. 2,972,409, 2–21–61, Cl. 209—81.
Mullane, Leo W. Solid propellant power plant and fuel feed method. 2,987,881, 6–13–61, Cl. 60—35.6.
Mullaney, George J., to General Electric Co. Fuel charge. 2,990,682, 7–4–61, Cl. 60—35.6.
Mullaney, George J., and W. E. Kaskan, to General Electric Co. Shock tube for the study of combustion processes. 2,966,793, 1–3–61, Cl. 73—35.
Mullard Radio Valve Co. Ltd., The: *See*—
Kimber, Raymond A. 2,978,948.
Snelling, Eric C., and Gribble. 2,995,699.
Mulle, Warren A.: *See*—
Alperin, Norman N., and Mulle. 2,972,718.
Mullen, Charles V., Jr., to Phillips Petroleum Co. Drilling tower. 2,984,863, 5–23–61, Cl. 18—2.4.
Mullen, Charles V., Jr., to Phillips Petroleum Co. Prilling of molten solids. 2,994,101, 8–1–61, Cl. 18—2.4.
Mullen, James W., II: *See*—
Tanczos, Frank I., Davis, Smith, and Mullen. 3,008,669.
Mullen, James W., II, to United States of America, Navy. Screened igniter for ramjet burners. 2,969,643, 1–31–61, Cl. 60—39.11.
Mullen, James W., II, to United States of America, Navy. Rod-igniters for ramjet burners. 2,972,231, 2–21–61, Cl. 60—39.82.
Mullen, James W., II, J. B. Fenn, and F. I. Tanczos, to Texaco Experiment Inc. Method of operating propulsion devices. 3,010,279, 11–28–61, Cl. 60—35.4.
Mullen, Januarius A.: *See*—
Thompson, Frederick C. 2,981,308.
Mullen, Joe P., to Collins Radio Co. Ball ejection controlled detent. 2,968,968, 1–24–61, Cl. 74—527.
Mullen, Leo V., Jr., to Esso Research and Engineering Co. Inhibition of foaming of oil compositions. 2,972,580, 2–21–61, Cl. 252—33.4.
Mullen, William A.: *See*—
Rykoskey, Francis B., and Mullen. 2,969,259.
Mullender, Claude: *See*—
Kuts, Mathew, and Mullender. 2,968,344.
Muller A.G. Brugg: *See*—
Geenen, Johannes. 2,970,505.
Muller, Adam: *See*—
Malz, Hugo, Muller, and Wegler. 2,994,638.
Muller, Albert, P. M. Hulme, and H. R. Fisher, to Air Reduction Co., Inc. Method for introducing solid materials into molten metal. 3,001,864, 9–26–61, Cl. 75—53.
Muller, Alex C., 50% to Albert W. Moser. Film and shutter winding mechanism for photographic cameras. 3,004,482, 10–17–61, Cl. 95—31.
Müller, Alfred H., to Daimler-Benz Aktiengesellschaft. Free-piston-type engine. 2,980,086, 4–18–61, Cl. 123—46.
Müller, Alfred H., to Daimler-Benz Aktiengesellschaft. Combustion chamber for piston-type internal combustion engines. 2,980,094, 4–18–61, Cl. 123—191.
Müller, Arthur: *See*—
Bersin, Theodor, and Müller. 2,979,422.
Muller, Arthur, and K. Bucher. Sterilizing process. 2,995,418, 8–8–61, Cl. 21—2.
Muller, Carl-Heinz. Apparatus for the automatic control of machinery. 3,011,375, 12–5–61, Cl. 83—110.
Müller, Curt: *See*—
Merlan, Ernest, Müller, and Senn. 2,967,858.
Muller, Donald C., to A. J. Bayer Co. Conveyor. 2,977,003, 3–28–61, Cl. 214—11.
Müller, Erich, to Keller & Romer G.m.b.H. Bottle closing machine. 2,981,044, 4–25–61, Cl. 53—310.
Muller, Erich, to Dr. Karl Thomae, G.m.b.H. Acyl-amino-substituted phenol ethers. 2,987,546, 6–6–61, Cl. 260—562.
Müller, Erich, to Keller & Romer G.m.b.H. Bottle closing machine. 2,990,932, 7–4–61, Cl. 198—24.
Muller, Erwin: *See*—
Bongard, Wilhelm, Muller, Bayer, and Theis. 2,991,313.
Holtschmidt, Hans, Bayer, Muller, and Nischk. 3,005,803.
Holtschmidt, Hans, Müller, and Bayer. 2,999,082.
Wagner, Kuno, and Muller. 2,976,261.
Muller, Erwin, O. Bayer, and H. Morschel, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Reaction product of a diisocyanate, a polyester and a polyalkylene ether glycol, and process of making same. 2,998,403, 8–29–61, Cl. 260—45.4.
Muller, Erwin, and O. Bayer, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Polycarbonate preparation under anhydrous conditions. 2,999,844, 9–12–61, Cl. 260—47.
Müller, Erwin, C. Wiegand, and G. Braun, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Production of polyurethane plastics using Schiff's base catalysts. 3,004,933, 10–17–61, Cl. 260—2.5.
Muller, Erwin, O. Bayer, and S. Petersen, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Polyurethane plastics. 3,014,894, 12–26–61, Cl. 260—75.
Muller, Frank G. Butterfly valve and sealing means therefor. 2,987,072, 6–6–61, Cl. 251—306.
Muller, Friedrich H., to Farbenfabriken Bayer Aktiengesellschaft. Process and apparatus for demixing substances. 3,005,552, 10–24–61, Cl. 210—73.
Müller, Fritz: *See*—
Giesen, Johann, and Müller. 3,011,002.
Muller, Georges: *See*—
Joly, Robert, Muller, and Warnant. 2,971,978.
Vaterlaus, Bruno, Muller, and Velluz. 2,988,568.
Velluz, Leon, and Muller. 2,990,407.
Velluz, Leon, and Muller. 3,002,981.
Velluz, Leon, Muller, Allais, and Enezian. 2,985,659.
Muller, Georges, to Les Laboratoires Francois de Chimiotherapie. 3β-acetoxy-6-methyl cholestane, process and intermediates in the production thereof. 2,985,669, 5–23–61, Cl. 260—397.2.
Muller, Georges, to Les Laboratoires Francais de Chimiotherapie. Process for the preparation of 11,18-oxido steroids and novel compounds obtained from this process. 2,989,522, 6–20–61, Cl. 260—239.55.
Muller, Georges, and M. Stefanovic, to Les Laboratoires Francais de Chimiotherapie. 20-keto-16α-lower-alkoxymethylated steroids and process for their preparation. 2,980,714, 4–18–61, Cl. 260—397.45.
Muller, Georges, and J. Martel, to Les Laboratoires Francais de Chimiotherapie. Novel 18-oxygenated steroids and process of preparation. 2,984,662, 5–16–61, Cl. 260—239.55.
Muller, Georges, R. Bardoneschi, and J. Jolly, to Les Laboratoires Francais de Chimiotherapie. Process for the fluorination of 9β,11β-epoxy and 5α,6α-epoxy steroids. 3,007,923, 11–7–61, Cl. 260—239.55.
Muller, Georges, and M. Stefanovic, to Les Laboratoires Francais de Chimiotherapie. 17α-acetyl-Δ1,4-androstadiene-11β,17β-diol-3-one and preparation thereof. 3,007,951, 11–7–61, Cl. 260—397.45.

Muller, Gerhard: *See*—
Bussard, Adrien H., and Muller. 3,014,255.
Gruber, Helmut, Scheidig, Pieper, Muller, and Bussard. 2,976,339.
Muller, Griffen R.: *See*—
Herbst, Edward J., and Muller. 3,003,366.
Müller, Günther: *See*—
Müller, Ludwig and G. 2,990,022.
Müller, Hans. Machine for conveying sheets of paper and the like and stapling such sheets into booklets. 2,998,116, 8–29–61, Cl. 198—24.
Müller, Hans J., and W. Hänlein, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus and process for making glass foil. 2,993,301, 7–25–61, Cl. 49—3.
Muller, Hans O. O., L. Arndt, and H. G. F. Rossler, to Daimler-Benz Aktiengesellschaft. Apparatus for picking and husking Indian corn. 2,995,001, 8–8–61, Cl. 56—18.
Müller, Hans U. Method and means for checking the circumference of round objects. 2,971,262, 2–14–61, Cl. 33—125.
Müller, Heinrich, and F. Muth. Apparatus and a method of mixing leafy or fibrous materials. 2,975,787, 3–21–61, Cl. 131—108.
Muller, Heinz, to Rheinische Zahnbohrer und Kleinfraserfabrik & Co. Quick change chuck. 3,012,790, 12–12–61, Cl. 279—14.
Muller, Henry W. Fluted paper cups and machine for making same. 3,007,377, 11–7–61, Cl. 93—60.
Müller, Herbert: *See*—
Wilke, Günther, and Müller. 2,979,543.
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Engelbrecht, Heinz-Joachim, Lenke, and Muller. 3,012,033.
Muller, John T.: *See*—
Soderberg, Sten, and Muller. 2,988,105.
Soderberg, Sten, and Muller. 3,009,678.
Muller, Josef: *See*—
Dauben, Joseph, and Müller. 2,983,521.
Werner, Walter. 2,974,415.
Müller, Josef, to Daimler-Benz Aktiengesellschaft. Control arrangement for independent wheel suspensions. 2,992,014, 7–11–61, Cl. 280—124.
Müller, Josef, to Daimler-Benz Aktiengesellschaft. Fuel-tank inlet pipe construction in motor vehicles. 2,992,036, 7–11–61, Cl. 296—1.
Muller, Josef, and J. Dauben, to Daimler-Benz Aktiengesellschaft. Brake system for vehicles. 2,997,312, 8–22–61, Cl. 280—96.2.
Müller, Josef, and H.-J. M. Foerster, to Daimler-Benz Aktiengesellschaft. Spring suspension, steering and anti-roll means for vehicles. 2,998,263, 8–29–61, Cl. 280—112.
Müller, Josef, F. H. Van Winsen, and A. G. Zimmer, to Daimler-Benz Aktiengesellschaft. Spring bellows for air spring systems. 2,999,681, 9–12–61, Cl. 267—65.
Müller, Josef, and F. H. van Winsen, to Daimler-Benz Aktiengesellschaft. Tilting control arrangement for motor vehicles. 3,008,729, 11–14–61, Cl. 280—112.
Muller, Karl, to F. Bremshey and K. H. Eickham, trading as Bremshey & Co. Collapsible umbrellas. 3,003,511, 10–10–61, Cl. 135—26.
Müller, Karl E.: *See*—
Graulich, Wilhelm, and Müller. 2,978,432.
Müller, Karl-Erwin: *See*—
Graulich, Wilhelm, Sinn, and Müller. 2,984,588.
Müller, Kurt. Vibratory screening apparatus. 2,978,104, 4–4–61, Cl. 209—365.
Muller, Lloyd E.: *See*—
Morrish, Leonard M., and Muller. 2,985,252.
Müller, Ludwig. Device for varying the frequency of a vibration exciter. 3,004,389, 10–17–61, Cl. 60—53.
Müller, Ludwig and G., to Carl Schenck, Maschinenfabrik G.m.b.H. Darmstadt, and L. Müller. Ram for driving piles and the like. 2,990,022, 6–27–61, Cl. 125—55.
Muller, Otto, to Schiffmann, Alois, Dipl.-Kaufmann. Testing instrument for electric alternating voltages. 3,009,099, 11–14–61, Cl. 324—52.
Muller, Otto Wilhelm: *See*—
Van Schoor, Albert, Jacobi, Lust, Flemming, and Muller. 3,000,780.
Müller, Paul A. Crimped flat material for filter plugs. 2,995,481, 8–8–61, Cl. 154—55.
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Coton, Amable-Louis, and Müller. 2,997,945.
Müller, Rudolf: *See*—
Fritze, Ulrich, Müller, and Paffrath. 2,981,360.
Steding, Arthur, and Müller. 2,967,587.
Müller, Rudolf. Pump mechanism. 3,013,503, 12–19–61, Cl. 103—235.
Muller, Siegfried A.: *See*—
Leeson, Lewis J., Muller, and Sieger. 3,005,839.
Muller, Werner C., to National Distillers and Chemical Corp. Titanium metal production process. 3,012,878, 12–12–61, Cl. 75—84.5.
Muller, Wilhelm: *See*—
Casper, Johannes, Heinen, and Müller. 3,012,062.
Heil, Friedrich, and Muller. 2,975,970.
Muller, Wilhelm Herm., & Co., Kommanditgesellschaft: *See*—
Rix, Johannes. 2,973,655.
Schlauch Emil 2,986,432.
Szonn, Reinhold E. 2,987,932.
Müller, Wilhelm, M. Zimmermann, and R. Stroh, to Farbenfabriken Bayer Aktiengesellschaft. Tetrahydronaphthylamino compounds. 2,977,308, 3–28–61, Cl. 252—50.
Muller, Willi: *See*—
Werner, Walter. 2,974,415.
Müller-Grunwalt, Gertrud: *See*—
Giesen, Johann, and Müller. 3,011,002.
Mullett, Howard G., and J. L. Sevedge, to Bradley Washfountain Co. Adjustable shower. 2,991,943, 7–11–61, Cl. 239—280.
Mullikin, Arthur J. Gimbaled caster. 2,995,770, 8–15–61, Cl. 16—21.
Mullikin, Arthur J. Gimbaled caster. 2,995,771, 8–15–61, Cl. 16—21.
Mullin, Daniel R.: *See*—
Thompson, William E., and Mullin. 2,978,430.
Mullin, Eric J. Automobile coat hanger support. 3,007,617, 11–7–61, Cl. 224—29.
Mullin, John T., to Minnesota Mining and Mfg. Co. Apparatus for magnetic reproduction. 2,977,579, 3–28–61, Cl. 340—174.1.
Mullin, William H., and F. Feeney, to Philco Corp. Air conditioning. 3,000,192, 9–19–61, Cl. 62—285.
Mullins, James N., Jr. Dispenser and controls therefor. 3,004,398, 10–17–61, Cl. 62—136.
Mullins, Lynn D.: *See*—
Baldwin, Willett F., and Mullins. 2,991,936.
Mullins Mfg. Co.: *See*—
Daugherty, Joe. 2,978,287.
Mulloy, John F.: *See*—
Sterling, George B., and Mulloy. 2,996,480.
Mulloy, John F., to The Dow Chemical Co. Tetraalkylammonium borates. 3,005,012, 10–17–61, Cl. 260—462.
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Multanen, William W. Fish lure. 2,968,113, 1–17–61, Cl. 43—42.06.
Multanen, William W. Fish lure. 3,012,358, 12–12–61, Cl. 43—42.28.
Multer, Howard, to The Skinner Chuck Co. Chuck having counterbalanced jaws. 2,982,558, 5–2–61, Cl. 279—123.
Multistamp Co., The: *See*—
Mason, Jack H. 2,976,802.
Multitone Electric Co. Ltd.: *See*—
Sneath, Oswald B. 2,995,656.
Mulvany, Paul K.: *See*—
West, William W., and Mulvany. 2,998,414.
Mulvany, Paul K., and W. W. West, to California Research Corp. Lubricant composition. 3,001,942, 9–26–61, Cl. 252—56.
Mulvany, Richard B. Photoelectric memory device. 3,012,680, 12–12–61, Cl. 214—11.
Mulvany, Richard B., and G. R. Barr; said Barr assor. to said Mulvany. Egg handling device. 2,970,418, 2–7–61, Cl. 53—251.
Mulvihill, Joseph C.: *See*—
Wilkinson, Walter B. 3,001,306.
Mulvihill, Patrick E., to United States of America, Army. Induction heating arrangement for sealing semiconductor electrical device in glass holder. 3,015,012, 12–26–61, Cl. 219—10.53.
Mumford, Eustace H.: *See*—
Cook, John E., and Mumford. 3,008,271.
Mennitt, Joseph L., and Mumford. 2,984,047.
Mennitt, Joseph L., and Mumford. 3,009,444.
Mumford, George V., to Owens-Illinois Glass Co. Method and apparatus for trimming plastic articles. 2,984,865, 5–23–61, Cl. 18—5.
Mumford, William W., to Bell Telephone Laboratories, Inc. Radar receiver monitoring. 2,997,709, 8–22–61, Cl. 343—17.1.
Mumm, Howard W., to Orchard Paper Co. Copper-tarnish inhibitor. 2,987,374, 6–6–61, Cl. 21—2.5.
Mumm, John F.: *See*—
Sankovich, Melvin F., Mumm, North, Rock, and Geston. 2,982,713.
Mumma, Harold J., to Food Machinery and Chemical Corp. Machine for handling eggs. 2,969,136, 1–24–61, Cl. 198—26.
Mumma, Harold J., to Food Machinery and Chemical Corp. Machine for handling eggs. 2,989,168, 6–20–61, Cl. 198—131.
Mumma, Harold J., to Food Machinery and Chemical Corp. Machine for handling eggs of different quality and weight. 2,993,592, 7–25–61, Cl. 209—75.
Mumma, Harold J., to Food Machinery and Chemical Corp. Machine for packing eggs. 2,993,621, 7–25–61, Cl. 221—210.
Mumma, Harold J., to Food Machinery and Chemical Corp. Machine for packing eggs. 2,993,622, 7–25–61, Cl. 221—221.
Mumma, Harold J., to FMC Corp. Machine for handling eggs. 3,012,693, 12–12–61, Cl. 221—223.
Mumma, Victor R., to United States of America, Army. Apparatus for measuring particle sizes in an aerosol. 2,997,597, 8–22–61, Cl. 250—218.
Mumma, Victor R., to United States of America, Army. Method for stretching photometer pulses for accurate measurement of pulse height. 2,996,624, 8–15–61, Cl. 250—218.
Mummert, John R., to Indiana Commercial Filters Corp. Dual manifold filter. 2,970,696, 2–7–61, Cl. 210—138.
Mumpower, Robert C., II: *See*—
Touey, George P., and Mumpower. 3,008,474.
Munch, James C., to Pharmacodynamics, Inc. Composition useful with comestibles. 2,968,566, 1–17–61, Cl. 99—143.

Muncheryan, Hrand M. Stereoscopic simulation device. 2,986,969, 6–6–61, Cl. 88—41.

Mund, Morris, 1/10 to K. L. Spivak, and 1/5 to P. J. O'Brien. Self adjusting window masking device. 2,979,025, 4–11–61, Cl. 118—505.

Munday, Paul A.: *See*—
Young, Charles H., and Munday. 2,969,401.

Mundell, Ralph P. and R. E., to HanDman, Inc. Combination woodworking machine. 3,007,501, 11–7–61, Cl. 144—252.

Mundell, Robert E.: *See*—
Mundell, Ralph P. and R. E. 3,007,501.

Munden, Vernon. Gasoline saver for internal combustion engines. 2,996,290, 8–15–61, Cl. 261—78.

Mundy, Lloyd W.: *See*—
Heer, Ralph W., Otto, and Mundy. 3,000,649.

Munford, Robert E., P. N. Smith, and C. E. Graham, to Deering Milliken Research Corp. Detecting and control arrangement. 2,980,967, 4–25–61, Cl. 19—70.

Munford, Theodore W., to Midland-Ross Corp. Combustion apparatus. 2,988,350, 6–13–61, Cl. 263—6.

Mungen, Richard, to Pan American Petroleum Corp. Grid design for fluid bed reactor. 2,990,260, 6–27–61, Cl. 23—288.

Munger, Charles G., D. H. Gelfer, and C. G. Abba, to Amercoat Corp. Protective coating and method of producing same. 2,998,328, 8–29–61, Cl. 117—70.

Mungo, John H.: *See*—
Morphet, Bentham R., and Mungo. 2,976,872.

Mungovan, Francis P. Removable head rest for vehicles. 3,012,819, 12–12–61, Cl. 297—399.

Munk, Erwin: *See*—
Winter, Gerhard, Munk, and Sträb 3,014,167.

Munk, Max M., to United States of America, Navy. Mercury gyroscope. 2,995,939, 8–15–61, Cl. 74—5.7.

Munn, Paul S., to Simplex Wire and Cable Co. Electric caliper. 3,007,252, 11–7–61, Cl. 33—178.

Munnikhuysen, Jon N. Ladder engaged paint pan supporting device. 3,009,677, 11–21–61, Cl. 248—357.

Munns, George W., Jr.: *See*—
Baker, Richard W., Munns, and Smith. 3,003,974.

Munns, George W., Jr., to Socony Mobil Oil Co., Inc. Selective demethylation of hydrocarbon mixtures containing saturated and unsaturated hydrocarbons. 2,970,954, 2–7–61, Cl. 208—57.

Munns, George W., Jr., C. G. Myers, and P. B. Weisz, to Socony Mobil Oil Co., Inc. Process for upgrading petroleum naphthas. 2,983,667, 5–9–61, Cl. 208—66.

Munns, George W., Jr., F. P. Otto, and F. M. Seger, to Socony Mobil Oil Co., Inc. Lubricating oil compositions containing complex metal salts of alkylphenol-aldehyde condensation products. 3,014,868, 12–26–61, Cl. 252—40.7.

Munro, James M. Masking plate for transferring a picture. 2,996,104, 8–15–61, Cl. 154—1.

Munro, Jerrold A. Baby carriage brake. 2,978,071, 4–4–61, Cl. 188—20.

Munroe, Thomas, to Moraine Box Co. Refrigerator crate. 2,972,440, 2–21–61, Cl. 229—23.

Munroe, Thomas, to Moraine Box Co. Leg, skid, or cleat structure and combination with pallet sheet. 2,997,266, 8–22–61, Cl. 248—120.

Muns, George E., D. C. Berkebile, and J. Dasher, to Crucible Steel Co. of America. Method of producing ammonium sulfate from coke oven gas and waste ferrous sulfate pickle liquor. 3,014,785, 12–26–61, Cl. 23—119.

Munschauer, Edwin A., Jr.: *See*—
Munschauer, Frederick E., Jr., G. E. Munschauer and E. A. Munschauer, Jr. 2,975,701.

Munschauer, Frederick E., Jr., to Niagara Machine & Tool Works. Automatic transmission means for press brakes. 2,994,229, 8–1–61, Cl. 74—330.

Munschauer, Frederick E., Jr., to Niagara Machine & Tool Works. Press brake. 2,995,169, 8–8–61, Cl. 153—21.

Munschauer, Frederick E., Jr., G. E. Munschauer and E. A. Munschauer, Jr., to Niagara Machine & Tool Works. Power press with shiftable bolster means. 2,975,701, 3–21–61, Cl. 100—214.

Munschauer, George E.: *See*—
Munschauer, Frederick E., Jr., G. E. Munschauer and E. A. Munschauer, Jr. 2,975,701.

Munschy, André V.: *See*—
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Munse, Robert A., to Prestole Corp. Battery clip. 2,983,778, 5–9–61, Cl. 136—173.

Munsingwear, Inc.: *See*—
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Munson, Donald J., to The J. R. Clark Co. Leg hinge for ironing tables. 2,968,059, 1–17–61, Cl. 16—172.

Munson, Donald J., to The J. R. Clark Co. Collapsible utility cart. 3,007,709, 11–7–61, Cl. 280—36.

Munson, Donald J., and R. Gustin, to The J. R. Clark Co. Combination pad and cover unit for ironing table tops. 2,999,325, 9–12–61, Cl. 38—140.

Munson, Joseph J. Cane stripper. 2,982,289, 5–2–61, Cl. 130—31.

Munson, Stanley W. Antenna jettison attachment. 2,971,723, 2–14–61, Cl. 244—1.

Munson, Walter S.: *See*—
Prokop, Stanley J., Sr. 3,008,650.

Munson, Whitney K. Hand stamps and type therefor. 3,012,501, 12–12–61, Cl. 101—381.

Munster, Allen C., to Philco Corp. Multiple signal delay device. 2,990,515, 6–27–61, Cl. 328—177.

Munter, Casimir J., to Hagan Chemicals & Controls, Inc. Analytical method. 2,977,200, 3–28–61, Cl. 23—230.

Munters, Carl, & Co.: *See*—
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Munters, Carl G. Method of air conditioning. 3,009,540, 11–21–61, Cl. 183—114.2.

Munters, Carl G. Apparatus and method of conditioning the stream of incoming air by the thermodynamic exchange with separate streams of other air. 3,009,684, 11–21–61, Cl. 257—267.

Munters, Carl G., and P. G. Norbäck. Method and apparatus of conditioning air. 2,993,563, 7–25–61, Cl. 183—4.6.

Muntz, Alan, & Co. Ltd.: *See*—
Beale, Evelyn S. L. 2,974,653.

Münz, Walter O.: *See*—
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Logerot, René P., and Munzberg. 3,000,177.

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Murad, Emil M., to Orbitec Corp. Transistor and method of making same. 3,001,112, 9–19–61, Cl. 317—235.

Muradian, Vazgen, and N. Balikcioglu. Automatic flushing device for toilet facilities. 2,999,191, 9–5–61, Cl. 317—141.

Murakami, Masuo, and S. Senoh. Method of ring cleavage of 2-furoic acid. 2,971,022, 2–7–61, Cl. 260—483.

Murakami, Tomomi, and J. C. Achenbach, to Radio Corp. of America. Tunable oscillator circuit. 2,997,579, 8–22–61, Cl. 250—20.

Murarsheed, Lateef. Hot metal pump. 3,014,432, 12–26–61, Cl. 103—238.

Murata, Kwanji. Process of esterification of cellulose. 2,992,934, 7–18–61, Cl. 106—183.

Murata, Ichiro. Well surveying instrument. 3,008,241, 11–14–61, Cl. 33—205.5.

Murawski, Stephen A. Artificial casting bait. 2,971,285, 2–14–61, Cl. 43—35.

Murawski, Stephen A. Articulated artificial casting bait. 2,995,856, 8–15–61, Cl. 43—42.06.

Murawski, Steven A. Pneumatic foot wear. 2,983,056, 5–9–61, Cl. 36—29.

Murawski, Steven A. Flexible resilient footwear. 2,985,971, 5–30–61, Cl. 36—29.

Murawski, Steven A. Artificial fishing lure. 2,994,982, 8–8–61, Cl. 43—35.

Murch, Charles S. Dispose all litter bag. 3,008,569, 11–14–61, Cl. 206—19.5.

Murchie, John O., and N. A. Truslow, to United States Rubber Co. Method of producing articles. 3,009,233, 11–21–61, Cl. 28—72.

Murchie, John O., and N. A. Truslow, to United States Rubber Co. Article and method of producing the same. 3,009,310, 11–21–61, Cl. 57—140.

Murchie, Robert B. Portable outdoor grill and firebox. 3,013,550, 12–19–61, Cl. 126—25.

Murcott, Charles. Adjustable guard frame for beds and the like. 3,002,200, 10–3–61, Cl. 5—331.

Murcott, Charles E. Collapsible portable bamper. 2,967,716, 1–10–61, Cl. 280—41.

Murdoch, Guy C., and H. J. Schneider, to Rohm & Haas Co. New polymers of unsaturated glycidyl ethers and methods for producing them. 3,000,690, 9–19–61, Cl. 8—128.

Murdock, Benjamin, to Fortuna Foundations, Inc. Girdle. 2,966,912, 1–3–61, Cl. 128—540.

Murdock, Benjamin, to Fortuna Foundations, Inc. Foundation garment. 2,969,068, 1–24–61, Cl. 128—524.

Murdock, Forrest L., Sr. Extensible tank. 2,990,970, 7–4–61, Cl. 220—8.

Murdock, Richard S., to United States of America, Navy. Integrated multi-purpose, water impervious, electrical signal assembly. 3,009,030, 11–14–61, Cl. 200—52.

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Van Dijk, Christiaan P., and Murdock. 2,996,538.

Murek, Josef K., to General Dynamics Corp. Actuating pressure valve system. 2,986,120, 5–30–61, Cl. 121—38.

Murek, Josef K., to General Dynamics Corp. Pressure release system with valve piston head. 2,994,302, 8–1–61, Cl. 121—38.

Murenbeeld, Karel: *See*—
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Murfin, Clifton H. Emblem and means for mounting it. 2,975,538, 3–21–61, Cl. 40—20.

Murgolo, Nicholas. Pleat pin and tape. 2,979,128, 4–11–61, Cl. 160—348.

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Muroga, Saburo, to Nippon Telegraph and Telephone Public Corp. Memory system for electric signal. 2,980,893, 4–18–61, Cl. 340—174.

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Murphey, Joseph H., Jr., to Phillips Petroleum Co. Rocket grain and process for making same. 2,986,092, 5–30–61, Cl. 102—98.

Murphey, Robert L., M. R. McClure, Jr., C. F. Rueping, and R.L. Winstead, to Texaco Inc. Thermal diffusion separation process and apparatus therefor. 2,970,695, 2–7–61, Cl. 210—72.
Murphey, Robert S., to A. H. Robins Co., Inc. Injectable skeletal muscle relaxant. 2,976,213, 3–21–61, Cl. 167—65.
Murphree, Edger V., to Esso Research and Engineering Co. Carbonization of old shale in a compact moving solids bed. 2,992,975, 7–18–61, Cl. 202—6.
Murphy, Arthur J.: *See*—
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Murphy, Donald D., to Joy Mfg. Co. Conveyor apparatus. 2,976,982, 3–28–61, Cl. 198—139.
Murphy, Edward A., to Sylvania Electric Products Inc. Current supply apparatus. 2,991,407, 7–4–61, Cl. 323—4.
Murphy, Francis S., to Display Craft, Inc. Die-cut laminated board. letters, figures, words, designs, etc. 2,988,835, 6–20–61, Cl. 40—135.
Murphy, Frank W. Automatic safety ignition switch. 2,992,303, 7–11–61, Cl. 200—87.
Murphy, Frank W. Safety switch. 3,012,113, 12–5–61, Cl. 200—56.
Murphy, Goodrich K., to The Budd Co. Passenger vehicle compartment arrangements. 2,983,230, 5–9–61, Cl. 105—315.
Murphy, Goodrich K., to The Budd Co. High capacity private compartment passenger vehicle. 2,995,095, 8–8–61, Cl. 105—315.
Murphy, Harry R. Lawn edger. 2,974,471, 3–14–61, Cl. 56—25.4.
Murphy, Howard J., to United-Carr Fastener Corp. Fastener. 2,973,565, 3–7–61, Cl. 24—73.
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Murphy, James A. Fuel line heater. 2,996,052, 8–15–61, Cl. 123—122.
Murphy, James D., to Westinghouse Electric Corp. Centrifugal fans. 2,981,461, 4–25–61, Cl. 230—114.
Murphy, James D., to United States of America, Navy. Constant-impedance cable connector. 2,995,718, 8–8–61, Cl. 333—97.
Murphy, John A., to Conch International Methane Ltd. Insulation space and panels for use in same. 2,983,401, 5–9–61, Cl. 220—10.
Murphy, John A., to Conch International Methane Ltd. Cold liquid storage tank. 2,986,011, 5–30–61, Cl. 62—55.
Murphy, John E.: *See*—
Schott, Warren B., Murphy, Di Maio, and Carlson. 3,012,258.
Murphy, John F., and W. Stulen, to Curtiss-Wright Corp. Cross-extrusion process. 2,974,790, 3–14–61, Cl. 207—2.
Murphy, John W., and D. A. Edgar. Automatic window closer. 3,005,488, 10–24–61, Cl. 160—5.
Murphy, Maxwell K. Electric heater. 2,978,568, 4–4–61, Cl. 219—39.
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Murphy, Melvin H.: *See*—
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Murphy, Melvin H., to Packard-Bell Electronics. Single sideband generator. 2,988,711, 6–13–61, Cl. 332—45.
Murphy, Michael S.: *See*—
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Murphy, Orlando J., to Bell Telephone Laboratories, Inc. Synchronizing circuit for magnetic drum. 3,007,145, 10–31–61, Cl. 340—174.1.
Murphy, Paul B., to Bell Telephone Laboratories, Inc. Translator and display device. 2,998,596, 8–29–61, Cl. 340—324.
Murphy, Raymond J., to Fred Medart Mfg. Co. Telescopic bleachers and motorized movers therefor. 2,968,842, 1–24–61, Cl. 20—1.126.
Murphy, Raymond J., to Fred Medart Mfg. Co. Power actuated movers for telescoping gymnasium seat-structures. 2,990,587, 7–4–61, Cl. 20—1.126.
Murphy, Robert P., Jr., to Pan American Petroleum Corp. Method of air drilling. 2,999,551, 9–12–61, Cl. 175—68.
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Elfes, Donald E., and Murphy. 2,994,312.
Murphy, Thomas F., and J. M. Horn, to J. L. Murphy, Inc. Apparatus for cleaning and purifying gaseous products of combustion. 2,976,949, 3–28–61, Cl. 183—3.
Murphy, Thomas H., to Pelnco Wheel Co. Caster. 2,998,617, 9–5–61, Cl. 16—21.
Murphy, Willard J. Broiler for shish kebab. 3,009,410, 11–21–61, Cl. 99—421.
Murphy, William E. Sanitary body dryer. 2,977,455, 3–28–61, Cl. 219—39.
Murphy, William J.: *See*—
Siegmann, Henry A., and Murphy. 2,991,808.
Murphy, William L., and M. L. Pochon, to Union Carbide Corp. Method of producing high-quality ingots of reactive metals. 3,005,246, 10–24–61, Cl. 22—216.5.
Murphy, William P., Jr., ½ to Cordis Corp., and ½ to Don Baxter, Inc. Disposable medical trays. 3,013,656, 12–19–61, Cl. 206—72.
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Flannery, John P. 2,976,746.
Morey, Robert E. 3,011,911.
Olding, Thomas H. 2,971,362.
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Stilwell, William E., Jr. 2,971,143.
Murray, Donald E.: *See*—
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Murray, Elwood J., to Reichhold Chemicals, Inc. Production of glossy, air-curing, non-inhibited polyester coatings. 3,014,001, 12–19–61, Cl. 260—28.5.
Murray, Ernest E. Roller coater machine. 2,981,226, 4–25–61, Cl. 118—227.
Murray, Frederick R., to Rolls-Royce Ltd. Combustion equipment of gas-turbine engines. 2,999,359, 9–12–61, Cl. 60—39.65.
Murray, George H., and A. L. Catford, to D. Napier & Son Ltd. Power transmission mechanism including hydraulic and friction clutches. 2,970,498, 2–7–61, Cl. 74—731.
Murray, Haydn H., to Georgia Kaolin Co. Reducing dilatancy of clays. 2,995,458, 8–8–61, Cl. 106—288.
Murray, Haydn H., and H. M. Johnson, to Georgia Kaolin Co. Pencil clays. 2,986,472, 5–30–61, Cl. 106—19.
Murray, Herbert C.: *See*—
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Meister, Peter D., and Murray. 2,968,596.
Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. Steroids. 2,992,972, 7–18–61, Cl. 195—51.
Murray, Herbert C., and L. M. Reineke, to The Upjohn Co. Preparation of 11α, 17α-dihydroxy-progesterone. 3,011,951, 12–5–61, Cl. 195—51.
Murray, Hilton B., and H. K. Flinchbaugh. Hose-reeling apparatus. 2,973,906, 3–7–61, Cl. 239—197.
Murray, Hugh A., Sr., to I.D.L. Inc. Emergency reflective road marker. 2,991,699, 7–11–61, Cl. 88—79.
Murray, James J. Slack adjuster. 2,985,027, 5–23–61, Cl. 74—242.1.
Murray, Jerome L. Windshield wiper. 2,984,855, 5–23–61, Cl. 15—250.29.
Murray, Jerome L. Fluid pressure device. 2,987,004, 6–6–61, Cl. 103—149.
Murray, John B., and W. D. Yarnall, to United States of America, Navy. Control means for airfoils. 2,984,436, 5–16–61, Cl. 244—85.
Murray, John F., to Thompson Ramo Wooldridge Inc. Combination main burner and after burner fuel pump. 2,972,952, 2–28–61, Cl. 103—4.
Murray, John F., to Borg-Warner Corp. Pressure loaded hydraulic apparatus. 2,974,605, 3–14–61, Cl. 103—126.
Murray, John R. Overshoe attachment for track laying vehicles. 2,969,258, 1–24–61, Cl. 305—35.
Murray, John T. Arrow fletching fixture. 2,983,293, 5–9–61, Cl. 144—289.
Murray, Julian R., and J. E. O'Connell, to The Babcock & Wilcox Co. Apparatus for and method of generating and superheating steam. 3,007,456, 11–7–61, Cl. 122—33.
Murray, Kenneth J. Support for box or tray. 2,982,509, 5–2–61, Cl. 248—229.
Murray, Loren C. Automated hen battery. 3,002,494, 10–3–61, Cl. 119—48.
Murray, Maija L., and K. Ward, Jr., to The Institute of Paper Chemistry. Method of making pulp. 2,987,434, 6–6–61, Cl. 162—157.
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Kobryner, Herman H. 2,980,824.
Murray, Margaret H., and R. M. Leekley, to Time, Inc. Photosensitive polyamide resins containing stilbene units in the molecule. 2,997,391, 8–22–61, Cl. 96—35.
Murray, Maurice J., and H. A. Piagge, to Universal Oil Products Co. Conversion process. 3,000,811, 9–19–61, Cl. 208—90.
Murray, Michael F. Survival kit. 3,002,490, 10–3–61, Cl. 116—124.
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Hahn, Gilbert B. 2,969,992.
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Murray, Wallace J., and C. W. Sauer, to Arthur D. Little, Inc. Process for preparation of his (trinitroethyl) amine. 3,006,957, 10–31–61, Cl. 260—583.
Murray, William: *See*—
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Murrish, Clarence L., to Invenex Pharmaceuticals. Apparatus for manufacturing parenteral solutions. 2,973,758, 3–7–61, Cl. 128—272.
Murtaugh, Joseph P., to Utility Trailer Mfg. Co. Crawler track with wedge lock. 2,982,585, 5–2–61, Cl. 305—54.

Murtaugh, Justin J., and I. Caldas, Jr., to Schenley Industries, Inc. Ion-exchange methods for the purification of streptomycin. 2,970,138, 1–31–61, Cl. 260—210.

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Musall, John, and M. L. Mork, to Pyramid Mouldings, Inc. Sink mounting device. 2,977,605, 4–4–61, Cl. 4—187.

Musaphia, Georges. Apparatus for producing animated optical effects. 2,999,326, 9–12–61, Cl. 40—106.52.

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Musgrave, Albert W., to Socony Mobil Oil Co., Inc. Apparatus for solving seismic problems. 2,990,619, 7–4–61, Cl. 33—76.

Musgrave, Albert W., and J. C. Eley, to Socony Mobil Oil Co., Inc. Time delayed directional seismograph. 2,992,694, 7–18–61, Cl. 181—.5.

Musgrave, Merrill N. Rhubarb trimmer. 2,969,866, 1–31–61, Cl. 198—29.

Musial, Joseph J., to The Youngstown Welding & Engineering Co. Pipe testing machine. 2,986,029, 5–30–61, Cl. 73—49.1.

Musil, Josef. Machine tool, more particularly lathe. 2,993,399, 7–25–61, Cl. 82—2.

Muskat, Irving E., and J. J. Klein, to Fiber Bond Corp. Pad and method of making same. 2,972,554, 2–21–61, Cl. 117—76.

Muskat, Louis R., K. L. Klopfenstein, and J. E. Kleboe, to Triangle Package Machinery Co. Wrapping apparatus and method. 2,974,458, 3–14–61, Cl. 53—206.

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Mussard, Marcel E., to Raytheon Co. Diode characteristic networks. 3,012,153, 12–5–61, Cl. 307—88.5.

Mussari, Joseph, Jr. Adjustable patty mold. 2,994,286, 8–1–61, Cl. 107—19.

Mussari, Joseph, Jr. Electrical plug-in connector. 2,994,849, 8–1–61, Cl. 339—159.

Musschoot, Albert, to Chain Belt Co. Tunable vibratory apparatus. 2,984,339, 5–16–61, Cl. 198—232.

Musschoot, Albert, to Link-Belt Co. Materials handling vibratory apparatus. 2,993,585, 7–25–61, Cl. 198—220.

Mussell, Dorsey R., to The Dow Chemical Co. Method for modifying the growth characteristics of plants. 2,989,391, 6–20–61, Cl. 71—2.3.

Musser, C Walton: *See*—
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Musser, C Walton, to United States of America, Army. Rifle barrel with two sets of grooves of different depth and twist. 2,967,369, 1–10–61, Cl. 42—78.

Musser, C Walton, to United States of America, Army. Cartridge case exterior as inner surface of arcuate gun nozzles. 2,967,460, 1–10–61, Cl. 89—1.7.

Musser, C Walton. Key. 2,973,979, 3–7–61, Cl. 287—52.05.

Musser, C Walton, to United Shoe Machinery Corp. Microlinear actuator. 2,979,964, 4–18–61, Cl. 74—424.8.

Musser, C Walton, to United Shoe Machinery Corp. Strain wave gearing-spring preloading. 2,983,162, 5–9–61, Cl. 74—640.

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Musser, C Walton, to United States of America, Army. Self-locking cartridge case for fixed ammunition. 2,987,965, 6–13–61, Cl. 89—1.7.

Musser, C Walton. Non-corrosive gas generator. 2,989,381, 6–20–61, Cl. 23—281.

Musser, C Walton, to United States of America, Army. Venturi machining apparatus. 2,996,849, 8–22–61, Cl. 51—96.

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Musser, C Walton, to United Shoe Machinery Corp. Cable retractor. 3,003,748, 10–10–61, Cl. 254—150.

Musser, C Walton, to United Shoe Machinery Corp. Irreversible high efficiency transmission. 3,005,358, 10–24–61, Cl. 74—640.

Musser, C Walton. Cartridge case ejecting mechanism. 3,005,386, 10–24–61, Cl. 89—1.7.

Musser, C Walton, to United Shoe Machinery Corp. Torque equalizer. 3,006,215, 10–31–61, Cl. 74—665.

Musser, C Walton, to United States of America, Army. Powder grain baffle for recoilless rifle. 3,008,378, 11–14–61, Cl. 89—1.7.

Musser, C Walton, to United States of America, Army. Firearm supporting means. 3,011,409, 12–5–61, Cl. 89—40.

Musser, C Walton. Pumping mechanism. 3,013,394, 12–19–61, Cl. 60—97.

Musser, C Walton, and K. R. Wadleigh, to United States of America, Army. Recoilless rifle. 2,970,519, 2–7–61, Cl. 89—1.7.

Musser, C Walton, and W. J. Kroeger, to United States of America, Army. Method of making equal temperature press-fit of tubular members. 2,992,479, 7–18–61, Cl. 29—421.

Musser, C Walton, and A. Benditt, to United States of America, Air Force. Dual firing trigger and gun aiming mechanism. 3,010,369, 11–28–61, Cl. 89—27.

Musser, C Walton, and R. H. Thomas, to United States of America, Army. External means for measuring pressure in guns. 3,014,368, 12–26–61, Cl. 73—167.

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Musser, Clair O. Stringed musical instruments having a plastic housing. 2,975,666, 3–21–61, Cl. 84—285.

Musser, Clair O. Orrery. 3,005,270, 10–24–61, Cl. 35—45.

Musser, David M., to Chicopee Mfg. Corp. Textile treating dispersions. 2,972,548, 2–21–61, Cl. 106—287.

Musser, David M., to Chicopee Mfg. Corp. Gas-fading inhibitor for dyed textiles. 2,992,064, 7–11–61, Cl. 8—61.

Musser, George A. Fishing bobbers. 3,011,285, 12–5–61, Cl. 43—44.87.

Musser, Malcolm E. Self-contained power transmission unit. 2,997,608, 8–22–61, Cl. 310—67.

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Mustonen, Reino H., R. B. Colten, and G. E. Wanttaja, to General Motors Corp. Tracer control method and means. 2,992,375, 7–11–61, Cl. 318—31.

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Mutchnik, Henry. Fastener assemblies. 3,011,229, 12–5–61, Cl. 20—92.7.

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Myers, Felix E., to I-T-E Circuit Breaker Co. Pivoted bimetal. 2,996,589, 8–15–61, Cl. 200—116.

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Myers, Gordon S., and S. O. Winthrop, to American Home Products Corp. Poly-nitrate esters and salts thereof. 2,975,208, 3–14–61, Cl. 260—467.

Myers, Herbert, and F. P. Otto, to Socony Mobil Oil Co., Inc. Modified magnesium carbonate gel and method for preparation thereof. 2,983,687, 5–9–61, Cl. 252—316.

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Myers, Robert R., to Aluminum Co. of America. Plugged assemblies. 2,999,703, 9–12–61, Cl. 287—1.

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Myers, Samuel A., to Northrop Corp. Hydraulic valve. 2,973,013, 2–28–61, Cl. 137—622.

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Clark, Earnest H., Jr., and Myers. 3,005,507.
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Myers, William D., to Baker Oil Tools, Inc. Parallel tubular string apparatus for well bores. 2,999,543, 9–12–61, Cl. 166—129.

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N.V. Electrotechnische Industrie voorheen Willem Smit & Co.: *See*—
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N.V. Koninklijke Nederlandsche Zoutindustrie: *See*—
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N.V. Koninklijke Nederlandse Vliegtuigenfabriek: *See*—
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N.V. Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia: *See*—
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N.V. Koninklijke Stearine Kaarsenfabrieken "Gouda-Appolo": *See*—
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N.V. Lichtdrukpapierfabriek "De Atlas": *See*—
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N.V. Nederlandsche Combinatie voor Chemische Industrie: *See*—
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Voigt, Jan L. 2,976,258.
Voigt, Jan L. 2,982,744.
Voigt, Jan L. 2,996,474.
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N.V. Ontwikkelingmaatschappij Multinorm: *See*—
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N.V. Optische Industrie de Oude Delft: *See*—
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Nieuwenhoven, Hendricus J. C. 2,970,529.
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N.V. Stookwerk: *See*—
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N.V. Utrechtsche Machinale Stoel-En Meubelfabriek "U.M.S.": *See*—
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N.V. Vereenigde Tabaksindustrieen Mignot & de Block: *See*—
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Nachman, Jack, to Swirl, Inc. Stretchable band of shirred fabric. 2,971,197, 2–14–61, Cl. 2—76.

Nacht, George H., to Shoe Corp. of America. Light-weight snug-fitting smooth-interior flexible composite cemented shoe. 3,009,270, 11–21–61, Cl. 36—28.
Nachtman, Elliot S., to La Salle Steel Co. Metallurgical process and steels manufactured by same. 2,998,336, 8–29–61, Cl. 148—12.
Nachtman, Elliot S., to La Salle Steel Co. Steels and method of processing same. 3,001,897, 9–26–61, Cl. 148—12.
Nachtman, Elliot S., and J. E. O'Donnell, to La Salle Steel Co. Steel products and method for producing same. 3,009,843, 11–21–61, Cl. 148—12.1.
Nachtman, John S. High temperature structural material and method of producing same. 2,973,570, 3–7–61, Cl. 29—182.5.
Nachtman, Leonard C., and J. Dunay. Self-starting switchless reciprocating electric motor. 2,987,635, 6–6–61, Cl. 310—29.
Nachtrieb, Paul W. Casting fishing reel. 2,980,361, 4–18–61, Cl. 242—84.3.
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Naegeli, Werner, and H. Eichenberger, to Joh. Jacob Rieter & Co. Ltd. Feed roller arrangement in a combing machine. 3,004,300, 10–17–61, Cl. 19—116.
Naeser, Gerard, and W. Scholz, and E. E. V. Helin, to Elektriska Svetsningsaktiebolaget, and Mannesmann Aktiengesellschaft. Process and apparatus for the production of powdered metal. 3,010,819, 11–28–61, Cl. 75—.5.
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Nagel, Fritz J., to The Polymer Corp. Fluidized bed coating method for forming a foam. 2,981,631, 4–25–61, Cl. 117—21.
Nagel, Fritz J., A. H. French, and D. K. Keel, to Congoleum-Nairn Inc. Backing for smooth surface coverings and process therefor. 2,992,963, 7–18–61, Cl. 162—168.
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Nagel, Roland, W. Barth, and K. van Waveren. Device for measuring the quantities of solids contained in flowing medine. 2,984,105, 5–16–61, Cl. 73—196.
Nagel, Theodore. Apparatus for the shattering of solid particles. 2,974,886, 3–14–61, Cl. 241—39.
Nagelschmidt, Rudolf, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the coating of surfaces and objects. 2,984,583, 5–16–61, Cl. 117—72.
Nagely, John L. Compensating seal for gear pump or motor. 2,967,487, 1–10–61, Cl. 103—126.
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Nahon, James M. Dry shaving razor with belt driven blades and cooling means. 3,001,281, 9–26–61, Cl. 30—34.
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Naidus, Edward S., and L. F. Betts, to Wasco Chemical Co., Inc. Method for coating articles of food and composition therefor. 2,982,658, 5–2–61, Cl. 99—166.
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Naiman, Mark, to Sperry Rand Corp. Multichannel magnetic erasing heads. 2,987,582, 6–6–61, Cl. 179—100.2.
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Naito, Kazunosuke. Portable machine for shearing steel rods, wire ropes, and the like. 2,993,275, 7–25–61, Cl. 30—250.
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Nalbach, John R., L. G. Weston, and R. L. Mucci, to John R. Nalbach Engineering Co. Apparatus for securing and sealing a closure cap to a receptacle. 2,975,575, 3–21–61, Cl. 53—330.
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Braithwaite, David G. 3,007,858.
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Ferrara, John, and Ryder. 3,013,965.
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Gregor, Harry P., and Patzelt. 3,004,909.
Hudrlik, Otto L. 3,006,716.
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Joyce, Ronald S. 2,995,522.
Jursich, Myron J. 3,004,923.
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Nalley, William C. Wrench having an angularly adjustable handle. 2,978,938, 4–11–61, Cl. 81—177.8.

Nallinger, Friedrich, and E. Nockemann, to Daimler-Benz Aktiengesellschaft. Door lock for motor vehicles. 2,998,275, 8–29–61, Cl. 292—216.

Nallinger, Friedrich K. H.: *See*—
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Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Fuel supply system for internal combustion engines. 2,966,902, 1–3–61, Cl. 123—139.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Pivotal link wheel suspension for motor vehicles. 2,968,492, 1–17–61, Cl. 280—124.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Anti-rattling arrangement for body doors. 2,972,164, 2–21–61, Cl. 16—85.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Motor vehicle having pneumatic springs and a steering mechanism controlling said springs. 2,996,309, 8–15–61, Cl. 280—112.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Pneumatic and equalized mechanical spring suspension for half axles. 3,003,575, 10–10–61, Cl. 180—73.

Nallinger, Friedrich K. H., and H. K. Stäbler, to Daimler-Benz Aktiengeselschaft. Servo-steering mechanism for motor vehicles. 2,996,136, 8–15–61, Cl. 180—79.2.

Nallinger, Jörg D., to Daimler-Benz Aktiengesellschaft. Shifting arrangement for change-speed transmission with associated clutch. 2,966,972, 1–3–61, Cl. 192—3.5.

Nalos, Ervin J., to General Electric Co. Electron discharge device. 2,967,968, 1–10–61, Cl. 315—3.5.

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Namenyi-Katz, Laszlo, to Epsylon Research and Development Co. Ltd. Magnetic tape recorder. 2,995,287, 8–8–61, Cl. 226—187.

Namenyi-Katz, Laszlo, to Epsylon Research and Development Co. Ltd. Magnetic recording or reproducing devices. 2,995,313, 8–8–61, Cl. 242—55.11.

Namenyi-Katz, Laszlo, to Epsylon Research & Development Co. Ltd. Magnetic recorder. 3,002,670, 10–3–61, Cl. 226—176.

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Hoshino, Yasushi, Namikawa, and Tochihara. 2,999,908

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Block, John R. W., and de Guerin. 2,986,431.
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Buckingham, David E. J. 2,986,003.
Catford, Adrian L., and Lancashire. 2,987,056.
Chamberlin, Reginald H. D., Morris, Davies, and Fletcher. 2,979,892.
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Dennis, Leonard J. 2,967,043.
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Hunter, Donald N. 2,982,671.
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Napolin, Seymour, to Granco Corp. High frequency capacitors. 2,990,606, 7–4–61, Cl. 29—25.41.

Naps, Marguerite, to Shell Oil Co. Adhesive compositions and their preparation. 2,986,546, 5–30–61, Cl. 260—38.

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Schwartz, Nathan R. 2,974,220.
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Batori, Oscar E., and Nardin. 2,969,636.

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Nash, William H., to McGraw-Edison Co. Circuit recloser with trip disabling device. 2,994,805, 8–1–61, Cl. 317—22.

Nash, William H., and R. J. Bronikowski, to McGraw-Edison Co. Circuit breaker. 2,999,141, 9–5–61, Cl. 200—116.

Nash, William H., and E. W. Kaminsky, to McGraw-Edison Co. Circuit breaker. 3,012,238, 12–5–61, Cl. 340—253.

Nashua Corp.: *See*—
Collins, Robert L. 3,006,567.

Naslund, Gustav. Bag-tying apparatuses. 3,000,158, 9–19–61, Cl. 53—198.

Nasmith, John I., and W. Kirby, to Vickers-Armstrongs (Engineers) Ltd. Wire stitching or stapling machines and the formation of wire staples. 2,979,722, 4–18–61, Cl. 1—2.

Nason, Willis R., to General Controls Co. Space heating control system affected by external temperatures. 2,969,917, 1–31–61, Cl. 236—91.

Nasoni, Donald E., to Burroughs Corp. Magnetic storage device. 2,981,935, 4–25–61, Cl. 340—174.

Nassovia Werkzeugmaschinenfabrik G.m.b.H.: *See*—
Kohl, Paul. 2,982,143.

Nastronero, John J.: *See*—
Anderson, Richard D., and Nastronero. 2,975,292.

Nasu, Kuniharu, and S. Niwa, to Sando Iron Works Co., Ltd. Apparatus for treating web material. 2,969,664, 1–31–61, Cl. 68—178.

Nasu, Takuya. Tuning indicator system for intercarrier television. 2,976,353, 3–21–61, Cl. 178—5.8.

Nasvytis, Algirdas L., to Thompson Ramo Wooldridge Inc. Nutating disc motor. 2,992,635, 7–18–61, Cl. 121—69.

Natansohn, Samuel.: *See*—
Baird, Donald H., Dymon, and Natansohn. 2,982,731.

Natchez Steel Products Co., Inc.: *See*—
Fite, Luther S. 3,006,655.

Nathan, Alan H., to The Upjohn Co. Process for preparing α-halogenation of Δ⁴-3-keto steroids. 3,013,032, 12–12–61, Cl. 260—397.45.

Nathan, Alan H., W. P. Schneider, and J. A. Hogg, to The Upjohn Co. 2-methyl-11-oxygenated progesterones. 2,989,550, 6–20–61, Cl. 260—397.3.

Nathan, Bernard: *See*—
Russ, George A., and Nathan. 3,010,753.

Nathan, Charles C.: *See*—
Allen, Joseph C., and Nathan. 2,967,121.

Nathan, Charles C., and R. B. Perry, to Texaco Inc. Treating permeable underground formations. 2,990,881, 7–4–61, Cl. 166—38.

Nathan, Marvin F.: *See*—
Slyngstad, Charles E., Nathan, and Nagy. 2,994,659.

Nathanson, Max, to Advance Transformer Co. Fluorescent tube lighting system. 2,996,644, 8–15–61, Cl. 315—138.

Natho, Paul J., to Pan American Petroleum Corp. Hydraulic operator fail-safe surface valve. 2,974,677, 3–14–61, Cl. 137—456.

Natho, Paul J., to ACF Industries. Fail-safe through-conduit gate valve. 2,991,042, 7–4–61, Cl. 251—14.

National Accessories Co., Inc.: *See*—
Post, Ernest K., and Voigt. 2,993,988.

National Acme Co., The: *See*—
Beacom, Robert. 2,985,460.

National Agricultural Supply Co.: *See*—
Mead, Harry A., and Slagel. 2,973,131.

National Aluminum Co.: *See*—
Friedman, Leon S., Spencer, and Seligson. 3,000,474.

National Automatic Tool Co., Inc.: *See*—
Swanson, Floyd A. 3,013,363.
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National Bank of Commerce of Charleston, The: *See*—
Douglas, Stuart D. 3,008,911.

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National Beryllia Corp.: *See*—
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Griner, Arthur J. 3,013,693.

National Broach & Machine Co.: *See*—
Anthony, Russel W. 2,969,697.
Bassoff, Arthur B. 2,972,982.
Bassoff, Arthur B. 2,995,941.
Bregi, Benjamin F. 2,994,989.
Daniel, David W. 2,977,726.
Davis, Kenneth J. 2,970,408.
Davis, Kenneth J. 3,007,563.
Gates, Thomas S. 2,983,375.
Gates, Thomas S., and Ketzler. 3,011,410.
Mentley, Max B. 2,980,801.
Mentley, Max B. 3,008,218.
Mentley, Max B., and Daniel. 2,994,988.
Mantley, Max B., Daniel, and Kokorzycki. 2,981,035.
Motz, Carl H. 3,006,117.
Newman, John R., Jr. 3,006,060.
Praeg, Walter S. 2,968,998.
Praeg, Walter S. 2,980,966.
Praeg, Walter S. 2,986,851.
Praeg, Walter S. 2,990,657.
Praeg, Walter S., and Davis. 2,990,658.
Psenka, Joseph A. 2,987,801.

National Bulk Carriers, Inc.: *See*—
Joyce, Francis J. 2,969,083.

National Can Corp.: *See*—
Renard, Roland E. 2,985,008.

National Car Co.: *See*—
Norbom, Ragnar A. 2,985,117.

National Cash Register Co., The: *See*—
Anderson, John R. 3,011,157.
Angel, Arthur M., and Frohman. 3,011,165.
Berman, Elliot, and McQuain. 2,978,462.
Brynko, Carl. 2,969,330.
Brynko, Carl, and Scarpelli. 2,969,331.
Chamberlin, Rhodes R. 3,008,065.
Clark, Robert W. 3,008,058.
Daubendick, Allen W. 2,994,428.
Deutsch, Johann J. 3,006,538.
Ditmer, Richard L., Dobberstein, and Sandor. 3,014,647.
Dobberstein, Ervin C., Bennett, Preston, and Sandor. 2,971,693.
Eckdahl, Donald E. 3,011,152.
Eckdahl, Donald E., Sprague, Dobbins, Burns, Edwards, and Donan. 2,978,685.
Eckley, Thomas R. 2,966,843.
Edwards, Walter G. 2,991,009.
Eichel, Herman J. 2,986,477.
Eichel, Herman J. 2,988,460.
Eichel, Herman J. 2,988,461.
Foris, Peter L. 3,001,873.
Fowler, Roland C., Larsen, Dale, and Garvey. 2,985,364.
Frohman, Robert. 3,001,711.
Gerlach, Richard K. 3,011,072.
Glaser, Peter S., Edwards, and Hudson. 3,011,159.
Goodbar, Mayo A., Coffey, Cocup, and Hull. 2,972,442.
Hanmer, Robert W., and Rosener. 2,997,360.

National Cash Register Co., The: *See*—Continued
Harbor, William H. 3,001,696.
Kuhlmann, Emil P. 2,985,352.
Marshall, Temple G., Jr. 2,998,530.
Mendelson, Myron J., Doig, and Douthitt. 2,994,066.
Miller, Robert E. 2,980,941.
Nelson, Byron W., and Marcey. 2,992,954.
Placke, Everett H., and Aiple. 3,008,637.
Pow, James B. 3,001,700.
Powell, Ralph R. 3,008,128.
Reynolds, Jack H. 2,985,362.
Robinson, Robert R. 3,013,488.
Schleicher, Lowell, and Baughman. 2,971,916.
Seehof, Jerrold M., Armstrong, and Smithberg. 2,990,493.
Shoemaker, Robert J. 2,971,545.
Simmerman, Richard C. Roudebush, and Moyer. 3,001,694.
Werner, Frank R., Jackson, Wooster, Flint, and Topper. 2,974,860.
Werner, Frank R., and Sterzer. 3,001,695.
Zurbuchen, Louis E., and Werner. 3,011,699.

National Castings Co.: *See*—
Baillie, Wallace E., and Willison. 3,006,483.
Kozak, Edward. 3,011,749.
Metzger, William J. 3,011,656.
Willison, Donald. 3,008,588.

National Cleveland Corp.: *See*—
Stratton, Edward B., Jr. 2,973,558.

National Co., Inc.: *See*—
Caulk, Jewell R. 3,008,043.
George, James. 3,005,121.
Grant, Eugene F., Simpson, McCoubrey, and Buritz. 2,991,389.
Holloway, Joseph H. 2,994,836.
McCoubrey, Arthur O. 2,972,690.
Roberts, Frank B. 2,992,397.
Walsh, John A. 2,971,355.
Zacharias, Jerrold R., Holloway, and Grant. 2,972,115.

National Cornice Works: *See*—
Bold, John W. 2,997,040.

National Dairy Products Corp.: *See*—
Bell, Kenneth. 3,009,427.
Berndt, Lyle H., and Krett. 3,010,830.
Brown, Frank A. 2,999,758.
Freund, Ernest H., Domovs, and Jensen. 2,990,284.
Houser, Charles J. 2,968,562.
Houser, Charles J. 2,968,563.
Loew, Theodore. 2,988,208.
Miller, Roland E., and Olson. 2,987,819.
Schroeder, William F., and Houser. 2,968,564.
Wayne, Clyde D., and Tumino. 3,008,281.

National Distillers and Chemical Corp.: *See*—
Babb, William R., Andrews, and von Tesmar. 3,012,855.
Berl, Leo. 3,012,850.
Braus, Harry, and Woltermann. 3,013,019.
Cohen, Howard J. 2,994,711.
Foos, Raymond A., and Maddox. 3,012,877.
Frank, Charles E., and Foster. 3,013,071.
Giovannucci, Julius L. 3,009,241.
Greenberg, Harry, and Foos. 2,994,603.
Hansley, Virgil L., Schott, and McSharry. 3,004,848.
Hayes, Richard D., and Clark. 3,008,865.
Horvitz, David. 3,013,076.
Horvitz, David, and Pope. 3,012,948.
Kamlet, Jonas. 3,004,825.
Kaneko, Thomas M., and Hansley. 3,004,912.
Mador, Irving L., and Rekers. 2,991,312.
Maringer, Melvin F., and Rowland. 3,012,986.
Miller, Franklyn D. 3,006,719.
Morse, Harold H. 3,014,238.
Muller, Werner C. 3,012,878.
Nobis, John F. 2,999,109.
Nobis, John F. 3,006,942.
Pritchett, Ervin G., and Gibbs. 3,006,910.
Robinson, Robert E., and Koch. 2,991,153.
Robinson, Robert E., and Koch. 3,012,974.
Robinson, Robert E., and Schott. 3,007,881.
Robinson, Robert E., and Schott. 3,007,907.
Samuels, Howard J., Hungerford, Meyer, and Tilton. 2,990,875.
Smith, Roy S. 2,978,851.
Solvik, Ragnar S. 3,013,005.
Stretton, Thomas E., and Miller. 2,997,508.
Watson, Lloyd M., and Allgeier. 3,013,092.

National Drug Co., The: *See*—
Beller, Jay M., and Martin. 3,003,917.

National Electric Products Corp.: *See*—
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National Equipment Corp.: *See*—
Greenberg, Robert L. 2,975,731.

National Foam System, Inc.: *See*—
Holmes, Edward C. 2,989,123.

National Forge Co.: *See*—
Ludwig, Ralph E., and Dalrymple. 2,979,452.

National Frost Protection Co., Inc.: *See*—
Maloof, Ralph P. 2,985,245.

National Furnace Corp.: *See*—
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National Glass Co., Inc.: *See*—
Hughes, Charles B., and Devine. 3,007,193.

National Gypsum Co.: *See*—
Schneiter, Henry J., and Smith. 2,967,780.
Schneller, Joseph W. 2,978,076.
Schneller, Joseph W. 3,011,603.
Sulkowski, Walter V. 2,969,248.
Weesner, Fred P. 2,983,083.
National Heater Co., Inc.: *See*—
Costello, George T. 2,979,050.
National Hospital Mfg. & Distributing Co.: *See*—
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National Key Co., The: *See*—
Horwitz, Sidney H. 3,006,255.
National Knitting Co.: *See*—
Bevington, Charles E. 2,994,884.
National Lead Co.: *See*—
Aagaard, Leif. 3,004,832.
Baer, Charles A., Bugbee, Candidus, and Clough. 2,971,862.
Battle, James H., Hack, and Konig. 2,978,369.
Bauer, Alfred F. 2,997,347.
Bauer, Alfred F. 3,008,202.
Beacham, Harry H., and Panik. 2,989,365.
Beals, Malcolm D., and Merker. 2,985,518.
Beals, Malcolm D., and Styhr. 2,972,543.
Bender, Arthur V., and Bogseth. 2,988,248.
Besso, Michael M., Diorio, and Hochner. 2,992,882.
Besso, Michael M., Diorio, and Hochner. 2,992,933.
Brown, Charles A. 2,969,569.
Chevassus, Fernand. 3,004,949.
Dunn, Edward J., Jr., and Orsino. 2,981,776.
Espenschied, Helmut. 2,973,247.
Gendvil, Leonard W. 2,985,569.
Gendvil, Leonard W., and Moles. 2,999,055.
Griffin, Thomas S. 2,982,613.
Hanson, Melvin A. 2,992,867.
Henderson, Raymond A., and Benston. 2,970,692.
Herman, Daniel F., and Weil. 2,985,521.
Hochner, Walter L., and Scarbrough. 2,981,589.
Horrigan, Robert V. 3,002,814.
Jordan, John W., Offeman, and Weintritt. 2,995,514.
Kebrich, Leonard M. 3,002,943.
Kingsbury, Franklin L. 2,993,000.
König, Otto. 2,985,539.
Konig, Otto, Gordon, and Herman. 2,969,342.
Kruse, Uno, and Herman. 2,975,166.
Marker, Leon. 2,985,520.
May, John H., and Mann. 2,983,587.
McMullen, Bryce H., and Toomey. 2,982,615.
Merker, Leon. 2,992,931.
Merker, Leon. 3,012,374.
Merson, David A., and Dunn. 3,004,857.
Moklebust, Olav, and Bjoeraanesset. 2,980,508.
Moklebust, Olav, Olavesen, and Bjoranesset. 2,990,250.
Nevins, Michael J., and Huebotter. 3,001,583.
Olmsted, Lester E., and Puetz. 2,999,011.
Orsino, Joseph A. 2,996,561.
Orsino, Joseph A., and Mandel. 3,002,040.
Strimple, James H. 2,998,320.
Sullivan, Boetius H., Jr. 3,011,836.
Traub, Karl W., Frost, and Baldwin. 3,011,901.
National Lock Co.: *See*—
Anderson, Ralph F. 2,987,338.
Erickson, Francis L. 3,006,179.
Erickson, Francis L. 3,006,675.
North, Edwin W., and Bates. 2,978,267.
North, Edwin W., and Spon. 2,998,993.
National Machinery Co., The: *See*—
Friedman, Robert G. 2,970,327.
Friedman, Robert G. 2,997,725.
National Malleable and Steel Castings Co.: *See*—
Metzger, William J. 2,973,104.
Metzger, William J. 2,973,105.
Metzger, William J. 2,997,183.
Metzger, William J. 2,997,184.
Shafer, James A. 3,000,330.
Shafer, James A., and Weber. 2,977,159.
Smith, Herbert H. 2,987,196.
National Mfg. Co.: *See*—
Dudnick, Solis, and Leonard. 2,988,967.
National Paper Band Co.: *See*—
Gwinn, M Benjamin, and Buchmiller. 2,994,997.
National Paper Can & Tube Co.: *See*—
Berenson, Henry J. 2,967,465.
National Plastic Products Co., The: *See*—
Genovese, Anthony L. 2,980,959.
Scher, Herbert I., and Dunn. 2,983,305.
Van Deventer, Christopher, III. 2,967,026.
National Pneumatic Co., Inc.: *See*—
Codling, Eldred P. 3,010,433.
Delany, Frank M., and Daugirdas. 3,000,361.
Johnson, Ernest W. 2,982,825.
National Polychemicals, Inc.: *See*—
Hill, Henry A. 2,988,545.
National Presto Industries, Inc.: *See*—
Powers, Charles. 2,996,599.
Sorenson, Grant E. 3,007,028.
National Production Co.: *See*—
Barker, Paul L. 2,976,911.
National Rejectors, Inc.: *See*—
Erickson, Gustav F., and Melvin. 3,004,541.
Haverstick, Merral P. 2,973,074.
Melvin, Fred J. 2,990,930.
National Research Corp.: *See*—
Allen, Lloyd R. 3,012,883.
Baer, Charles A., Clough, and Patton. 3,012,904.
Beecher, Norman. 2,985,356.
Candidus, Edward S. 2,981,823.
Candidus, Edward S. 3,005,859.
Eng, Albert. 2,996,037.
Ham, John L. 2,982,844.
Hayes, Oliver W. 2,975,753.
Hnilicka, Milo P., Jr. 3,013,877.
Kusters, Norbert L., McKinley, and Morse. 2,999,231.
Landfors, Arthur A. 2,986,326.
Moesta, Hasso. 2,979,631.
Neumann, Karlheinz. 3,013,341.
Ravet, Heinz. 3,010,216.
Reich, Gunter. 2,979,254.
Reich, Gunter. 2,988,265.
Reich, Günter. 3,007,627.
Robertson, Ernest O., Stallabrass, and Bailey. 2,980,896.
Roehrig, Jonathan R. 3,009,060.
Roehrig, Jonathan R. 3,009,061.
Roehrig, Jonathan R. 3,009,063.
Roehrig, Jonathan R., and Vanderschmidt. 2,993,137.
Simons, John C., Jr. 3,009,098.
Thiessen, George J., and Dagg. 2,999,380.
Thomson, Amherst F. H. 2,971,087.
Vanderschmidt, George F. 3,009,096.
Vaughan, James L. 2,967,102.
National Research Council: *See*—
Brown, William C. 2,979,681.
Dauphinee, Thomas M., and Preston-Thomas. 2,993,377.
Griffith, Thomas R., and Tyson. 3,013,094.
Rush, Charles K. 3,013,752.
Smyth, Henry L. R. 2,973,456.
Smyth, Henry L. R. 2,998,545.
Stevinson, Harry T., and Baker. 2,974,898.
Thiessen, George J., and Embleton. 2,976,948.
National Research Development Corp.: *See*—
Airey, Leslie. 2,999,965.
Aveston, John, Everest, and Wells. 3,001,868.
Bacon, Francis T. 3,002,039.
Banks, Ronald E., Barbour, Patrick, and Tatlow. 3,004,077.
Berridge, Norman J. 2,997,395.
Bowden, Bertram V. 2,991,659.
Budd, Richard T., and Chapman. 2,982,655.
Cherry, Edward C., Holloway, and Prasada, 3,006,991.
Coales, John F., and Noton. 2,983,859.
Courtney-Pratt, Jeofry S. 2,992,591.
Fowell, Edward J. C. 2,979,623.
Gabor, Dennis. 2,982,875.
Gabor, Dennis, and Kalman. 2,991,591.
Gibson, Alan F., and Granville. 2,977,551.
Green, Albert L. 2,996,510.
Houldcroft, Peter T., and Smith. 2,977,457.
Kilburn, Tom, and Hoffman. 2,982,947.
Kilburn, Tom, Hoffman, and Maclean. 2,978,592.
Laithwaite, Eric R. 2,993,130.
Leete, David L. 2,980,838.
Leslie, William H. P. 2,996,649.
McGee, James D. 2,989,659.
Miller, Gabriel L. 2,996,682.
Morris, Arthur L. 3,001,151.
Nottingham, Wayne B. 3,001,128.
Paul, John. 2,975,553.
Perry, Forbes G. de B. 2,984,118.
Phillips, Leslie N. 3,006,884.
Pryor, Harry H. 3,001,671.
Ravenscroft, Ivor A. 2,974,294.
Robin, Harold K. 2,969,431.
Robin, Harold K. 2,977,416.
Royle, Joseph K., and Williams. 2,968,144.
Sixsmith, Herbert. 2,981,082.
Slough, Warwick. 3,013,995.
Smyth, Charles N. 2,966,795.
Sturgeon, John R. 2,991,461.
Williams, Frederic C. 2,987,671.
Williams, Frederic C., and Laithwaite. 2,978,623.
National Ro-Tile Corp.: *See*—
Cook, Clifford C., Howard, and Thompson. 2,976,595.
National Rubber Machinery Co.: *See*—
Frank, Paul A. 2,975,986.
Greene, John P. 2,980,351.
Heston, Eugene E. 2,975,475.
Mallory, Edwin E., Heston, Kline, and Christy. 2,970,341.
National Screw and Mfg. Co., The: *See*—
Hatherell, George A., and Padway. 2,969,553.
Hodell, Frederick G. 2,974,558.
National-Standard Co.: *See*—
Frazier, Larry C. 2,986,196.
Kenmore, Herbert, and Manson. 2,975,120.
Kenmore, Herbert, and Manson. 3,002,537.
Manson, Walter J. 2,994,490.
National Starch and Chemical Corp.: *See*—
Caldwell, Carlyle G., Wurzburg, and Sun. 2,975,124.
Jarowenko, Wadym. 2,996,498.
Martin, Kenneth P., and Nadaskay. 2,968,336.
Reiter, Richard W., and Horning. 2,996,471.
Russo, Joseph D., and Weidener. 2,978,343.
Rutenberg, Morton W., and Volpe. 2,989,520.
National Starch Products Inc.: *See*—
Ellenbogen, Herbert A., Bleier, and Sirota. 2,998,326.

National Steel Corp.: *See*—
Altenburger, Clarence L. 2,984,564.
Altenburger, Clarence L., and Bourke. 3,010,822.
Baer, Charles A., Clough, and Gardner. 2,983,249.
Bendot, Joseph M. 2,993,623.
Bugbee, Wallace F. 2,972,330.
Colby, Roy L., Jr. 2,989,154.
Cover, Martin L. Re. 25,092.
Fugassi, Lucien A., Jr. 2,995,239.
Gardner, James H., and Baer. 2,989,026.
Hnilicka, Milo P., Jr. 2,996,410.
Hnilicka, Milo P., Jr. 3,000,346.
Klein, Clarence J., and Caine. 3,010,844.
MacDonnell, Wilfred D., and Shattuck. 2,978,386.
Martt, Judson W. 2,969,202.
Mayhew, John T. 2,967,114.
Smith, Edwin J., and Vucich. 3,007,854.
Stone, Selden S. 2,972,422.
Strassburger, Julius H. Re. 24,944.
Strassburger, Julius H. 2,980,416.
Uhleen, Arthur E. 2,979,829.
National Supply Co., The: *See*—
Deitrickson, Roy H. 2,966,893.
Deitrickson, Roy H. 2,966,894.
Deitrickson, Roy H. 2,966,895.
National Tank Co.: *See*—
Francis, Alex W., Jr. 3,008,539.
Glasgow, Clarence O. 2,978,403.
Glasgow, Clarence O. 2,990,691.
Glasgow, Clarence O. 2,995,202.
Glasgow, Clarence O. 3,008,538.
Glasgow, Clarence O. 3,009,536.
Glasgow, Clarence O., and Henderson. 2,971,376.
Glasgow, Clarence O., Walker, Lowd, and de Young. 3,009,537.
Lamb, Leslie L., and Lavery. 3,012,630.
Maher, Joseph L. 2,992,814.
Sharp, Chester L. 2,990,853.
Sharp, Chester L. 2,998,027.
Stafford, Jay D., and Glasgow. 2,995,201.
Walker, Jay P., and Coggins. 3,012,629.
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National Tea Packing Co., Inc.: *See*—
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National Tinsel Mfg. Co.: *See*—
Protz, William F. 2,967,653.
National Toxicological Laboratories, Inc.: *See*—
Toulmin, Harry A., Jr. 2,996,429.
National Twist Drill & Tool Co.: *See*—
Oxford, Carl J., Jr., Mitzelfeld, and Sullivan. 2,986,960.
Peters, Robert O., and Sullivan. 2,971,409.
Toney, Lawrence B. 2,979,811.
National Union Electric Corp.: *See*—
Hart, Bill J. 3,005,922.
Smithson, Charles B. 2,995,206.
Smithson, Charles B., and McCallum. 3,002,217.
National Utilities Corp., The: *See*—
Torresen, Carel T. 2,969,214.
National Valve and Mfg. Co.: *See*—
Biddle, William C. 3,007,489.
National Vendors, Inc.: *See*—
Holstein, Alvin W., Marr, and Ficken. 3,007,606.
Holstein, Alvin W., Marr, and Schuller. 2,993,581.
Patrick, Colin R., Stacey, and Tatlow. 3,000,976.
Schuller, James T. 2,991,867.
National Vulcanized Fibre Co.: *See*—
Foote, Duane E. 2,986,357.
Mains, Gerald H., McGinnis, and Tatnall. 2,993,492.
Nations, Carl T. Recording and reproducing device. 2,998,494, 8–29–61, Cl. 179—100.2.
Nations, Ronald G.: *See*—
Hasek, Robert H., and Nations. 3,000,906.
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Natkin, Alvin M., J. J. Kolfenbach, and E. O. Forster, to Esso Research and Engineering Co. Irradiation of lithium base greases. 2,990,345, 6–27–61, Cl. 204—154.
Natkin, Alvin M., J. J. Kolfenbach, and E. O. Forster, to Esso Research and Engineering Co. Irradiation of sodium base greases. 2,990,346, 6–27–61, Cl. 204—154.
Natkin, Alvin M., J. J. Kolfenbach, and E. O. Forster, to Esso Research and Engineering Co. Radiation of lubricating oils. 2,990,350, 6–27–61, Cl. 204—158.
Natta, Giulio, I. Pasquon, E. Giachetti, and F. Scalari, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Production of isotactic poly(alpha-olefins) having regulated molecular weight. 2,971,950, 2–14–61, Cl. 260—937.
Natta, Giulio, E. Beati, and F. Severini, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Hydroperoxides of high polymers and processes for producing the same. 2,972,605, 2–21–61, Cl. 260—88.2.
Natta, Giulio, R. Ercoli, and S. Castellano, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for producing aldehydes. 3,008,996, 11–14–61, Cl. 260—598.
Natta, Giulio, P. Pino, and G. Mazzanti, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Process for preparing crystalline high polymers of unsaturated hydrocarbons. 3,014,016, 12–19–61, Cl. 260—93.5.
Natta, Giulio, P. Pino, and G. Mazzanti, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Process for the polymerization of alpha-olefins. 3,014,018, 12–19–61, Cl. 260—93.7.
Naturale, Victor S., ½ to Lincoln Mold and Die Corp., and ½ to Maryland Plastics Inc. Animal cage lid. 3,002,492, 10–3–61, Cl. 119—18.
Naturin-Werke Becker & Co.: *See*—
Zahn, Helmut. 2,988,451.
Naturizer Co.: *See*—
Pierson, Norman A. 2,969,279.
Natvig, John R.: *See*—
Sarley, Joseph M., and Natvig. 2,990,957.
Nau, Ludwig. Automatic washing machine. 2,986,915, 6–6–61, Cl. 68—12.
Naudzius, Edward J., to General Motors Corp. Brake shoe spring. 2,999,566, 9–12–61, Cl. 188—78.
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Roth, Grant V. W., and Guarnaschelli. 2,996,315.
Naughton, William J.: *See*—
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Naulty, Albert M., to Baldwin-Lima-Hamilton Corp. Controllable pitch propeller. 3,004,609, 10–17–61, Cl. 170—160.32.
Naumann, Willy R., to Daimler-Benz Aktiengesellschaft. Coupling for vehicle half axle drive assembly. 2,979,147, 4–11–61, Cl. 180—73.
Naumer, Gene C., to Allis-Chalmers Mfg. Co. Lubrication system for a shifter assembly. 2,981,372, 4–25–61, Cl. 184—6.
Naussbaum, Leon, to Titanium Products Corp. Ltd. Hard metal carbide products. 2,971,839, 2–14–61, Cl. 75—203.
Nauta, Constant J. Coupling joint. 2,967,695, 1–10–61, Cl. 259—102.
Nau-Touron, Albert, to Centre Technique Industriel dit Institut Textile de France. Removal of static electricity in fibres, textile materials, and other materials capable of being charged with static electricity. 2,972,086, 2–14–61, Cl. 317—2.
Nava, Joseph A., W. E. Exner, and I. R. Levinson, to The Pyle-National Co. Arc-quenching compound and electrical equipment utilizing same. 3,002,072, 9–26–61, Cl. 200—144.
Nava, Louis J.: *See*—
Terrett, John P., Shields, and Nava. 2,970,057.
Navara, Vaclav, to Kovo-finis, narodni podnik. Burner assemblies for metal-spraying guns. 3,006,555, 10–31–61, Cl. 239—83.
Navarre, Roger F. D., alias Malherbe. Ornamental articles. 2,994,150, 8–1–61, Cl. 41—21.
Nave, Earl E., to Creative Metals Corp. Telescoping vibratory concrete screed. 3,008,388, 11–14–61, Cl. 94—48.
Navelle, Ward J., N. De Vries, and E. F. Becher. Reclining chair. 2,973,027, 2–28–61, Cl. 155—106.
Naven, Benjamin S.: *See*—
Foster, Cyril J., and Naven. 2,969,488.
Naven, Benjamin S., and R. J. Simpson, to Dearborn Electronic Laboratories of Delaware, Inc. Apparatus for applying solder to the ends of foil capacitors. 3,007,440, 11–7–61, Cl. 118—503.
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Nawalanic, John J., to Canadian Ingersoll-Rand Co., Ltd. Adjustable spray heads with aligning means. 2,995,173, 8–8–61, Cl. 154—1.
Nawara, Jozef. Ship stabilizers. 3,004,510, 10–17–61, Cl. 114—126.
Nawman, Robert L.: *See*—
Nawman, Rollie B., and R. L. 2,978,831.
Nawman, Rollie B., and R. L., to Benner-Nawman, Inc. Rack for telephone directories. 2,978,831, 4–11–61, Cl. 45—85.
Nawman, Rollie B., to Benner-Nawman, Inc. Book hanger. 2,984,933, 5–23–61, Cl. 45—82.
Naxon, William I., A. F. Le Pore, G. E. Eddy, and J. B. D'Angelo, to American Marine Upholstery Co. Convertible seat. 2,969,107, 1–24–61, Cl. 155—45.
Nay, Ralph E., to American Iron & Machine Works Co., Inc. Pipe connection. 2,992,021, 7–11–61, Cl. 285—334.
Nayes, Charles A. E., M. J. Robinson, R. J. Buettner, W. R. and R. W. Sievert, J. F. Svoboda, and J. O. Eckmann, to Milwaukee Stamping Co. Double acting spring hinge. 2,981,970, 5–2–61, Cl. 16—182.
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Doyle, Frank P., and Nayler. 2,996,501.
Naylor, Floyd E., to Phillips Petroleum Co. Process and catalyst for the production of rubbery polymers. 3,004,018, 10–10–61, Cl. 260—94.3.
Naylor, Joseph F., to T. & T. Vicars Ltd. Dough sheeting machine. 3,003,438, 10–10–61, Cl. 107—12.
Naythons, Benjamin. Display fountain. 2,974,871, 3–14–61, Cl. 239—17.
Neaderland, Adolph C., and A. E. Aune, to Burndy Corp. Electric terminal. 2,968,788, 1–17–61, Cl. 339—277.
Neal, Herbert: *See*—
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Neal, Herbert R.: *See*—
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Shapiro, Hymin, and Neal. 3,004,998.
Shapiro, Hymin, and Neal. 3,004,999.
Neal, Norman D., to The Cincinnati Milling Machine Co. Electrical gauging device. 2,984,953, 5–23–61, Cl. 51—165.

Neal, Richard D., to American Enka Corp. Pressure thread guide. 2,970,790, 2–7–61, Cl. 242—157.

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Eans, Marvin C., Jr., and Neale. 3,001,556.

Neale, Junius B., to General Electric Co. Automatic grid making machine. 3,001,555, 9–26–61, Cl. 140—71.5.

Neale, Michael J.: *See*—
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Nearman, Richard E., to United States of America, Navy. Lifting tool for missiles. 2,984,513, 5–16–61, Cl. 294—67.

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Nebel Machine Tool Corp.: *See*—
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Nebgen, William H., to Chemical Construction Corp. Self-sealing rotary kiln. 2,972,818, 2–28–61, Cl. 34—137.

Nebich, Rudi, to Institut fur Textilmaschinen. Means for making plush-like products such as carpets and the like. 3,013,311, 12–19–61, Cl. 1[illegible]—79.

Nebinger, Richard B., to Knapp-Monarch Co. Oxygen-metering means for bait bucket aerator. 2,998,222, 8–29–61, Cl. 251—121.

Nebiolo Societa per Azioni: *See*—
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Nebout, Noël, to Dunlop Rubber Co. Ltd. Apparatus for the manufacture of pneumatic tire casings. 3,012,602, 12–12–61, Cl. 156—406.

Nebout, Noël, to Dunlop Rubber Co. Ltd. Apparatus for handling plies of rubberized fabric and the like. 3,012,735, 12–12–61, Cl. 242—67.3.

Nebout, Noel, to Dunlop Tire and Rubber Corp. Tire building machine. 3,014,831, 12–26–61, Cl. 156—406.

Neby Treu-Unternehmen Registriert: *See*—
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Nece, Roger H.: *See*—
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Nechine, Leonard M., to Food Machinery and Chemical Corp., Chicago Pump Co. Division. Screw feed centrifugal pump. 2,975,714, 3–21–61, Cl. 103—88.

Nechine, Leonard M., to Food Machinery and Chemical Corp. Hydraulic control means for a by-pass valve. 2,995,142, 8–8–61, Cl. 137—115.

Nechine, Leonard M., to Food Machinery and Chemical Corp. Swing diffuser. 2,997,284, 8–22–61, Cl. 261—122.

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Neckel, Edmund N., to McGraw-Edison Co. Two-speed, variable pressure garment press. 2,971,281, 2–14–61, Cl. 38—41.

Nectoux, André, to Societe des Forges et Ateliers du Creusot. Automatic control devices for mine hoisting machinery. 2,993,387, 7–25–61, Cl. 74—701.

Nectoux, Andre, to Societe des Forges et Ateliers du Creusot. Level selector for a multiple-level hoisting machine. 3,001,418, 9–26–61, Cl. 14—568.

Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek: *See*—
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Wilson, John R., and T'Veld. 2,987,464.

Nedwick, John J.: *See*—
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Nedwick, John J., and J. R. Snyder, to Rohm & Haas Co. Vinylation process. 2,969,395, 1–24–61, Cl. 260—584.

Nedwick, John J., and W. H. Watanabe, to Rohm & Haas Co. Process for preparing 1-ethynylcyclohexanol and homologues. 2,973,390, 2–28–61, Cl. 260—631.

Neeb, Melvin M., to Fairchild Camera and Instrument Corp. Photomultiplier circuit with output modulation. Re. 25,020, 8–8–61, Cl. 178—6.6.

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Needy, Samuel J. Full swing hydraulic level scoop. 3,002,638, 10–3–61, Cl. 214—132.

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Neely, Lloyd F., and C.-Y. Ang, to P. R. Mallory & Co., Inc. Copper-tungsten-molybdenum contact materials. 2,983,996, 5–16–61, Cl. 29—182.

Neely, Richard S., to Lord Mfg. Co. Pump. 3,005,416, 10–24–61, Cl. 103—117.

Neely, William H., to Hoover Ball & Bearing Co. Coupling attachment of wire structure to frame rail. 3,008,555, 11–14–61, Cl. 189—36.

Neely, William L., to Lukens Steel Co. Method of welding 9% nickel steel plates. 2,982,018, 5–2–61, Cl. 29—483.

Neeman, Moshe, to Wisconsin Alumni Research Foundation. Insecticidal compositions. 2,974,083, 3–7–61, Cl. 167—30.

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Nees, Hugo, W. Buettgens, and K. Geiersberger, to Chemische Fabrik Kalk G.m.b.H. Process for the preparation of composite fertilizers containing phosphate. 2,968,543, 1–17–61, Cl. 71—37.

Nees, Hugo, and M. Schmidt, to Chemische Fabrik Kalk G.m.b.H. Process for producing phosphate-containing fertilizers. 2,968,545, 1–17–61, Cl. 71—39.

Nees, Hugo, and K. Geiersberger, to Chemische Fabrik Kalk G.m.b.H. Process for producing phosphate-containing fertilizers. 2,968,546, 1–17–61, Cl. 71—39.

Neesby, Torben E., R. Fuhrmann, A. W. Pircio, and H. A. Luts, to Carroll Dunham Smith Pharmacal Co. Dimethyl sulfonium ethyl phenyl cyclohexenyl acetates. 2,989,561, 6–20–61, Cl. 260—457.

Neff, Billy A., to Sylvania Electric Products Inc. Heater slug reducer. 2,996,086, 8–15–61, Cl. 140—71.

Neff, Joseph A., to Olin Mathieson Chemical Corp. Preparation of decaborane. 2,989,374, 6–20–67, Cl. 23—204.

Neff, Joseph A., and E. J. Wandel, to Olin Mathieson Chemical Corp. Preparation of alkylated pentaboranes. 2,977,388, 3–28–61, Cl. 260—606.5.

Neff, Joseph A., and E. J. Wandel, to Olin Mathieson Chemical Corp. Preparation of liquid alkylated decaboranes. 2,987,552, 6–6–61, Cl. 260—606.5.

Neff, Joseph J., to Ampex Corp. Differential disc brake. 2,983,339, 5–9–61, Cl. 1888—171.

Neff, Joseph J., to Ampex Corp. Magnetic tape apparatus. 2,988,294, 6–13–61, Cl. 242—55.12.

Neff, Luther B. Roto-quiver. 2,984,277, 5–16–61, Cl. 150—1.5.

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Neff, Robert M., to General Motors Corp. Corrugating machines. 2,975,817, 3–21–61, Cl. 153—2.

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Neff, Russell J., to Phoenix Trimming Co. Towing device of the bumper attached flexible line type. 2,988,384, 6–13–61, Cl. 280—480.

Neff, Willy, and H. Gassner, to Rheinische Gummi- und Celluloid-Fabrik. Eyelid device for a doll. 3,006,110, 10–31–61, Cl. 46—166.

Negrete, Marco R., to Hewlett-Packard Co. Gas discharge tube pulsing circuit. 2,994,012, 7–25–61, Cl. 315—206.

Negri, Franco, to Ing. C. Olivetti & C., S.p.A. Enciphering and deciphering apparatus for secret telegraph systems. 2,993,089, 7–18–61, Cl. 178—22.

Negromanti, Antonio. Method of producing electric heating pads. 2,990,607, 7–4–61, Cl. 29—155.5.

Negroni, Pierre, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Pilot seats for aircraft, more particularly for helicopter. 2,971,566, 2–14–61, Cl. 155—9.

Neher, Byron W.: *See*—
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Johnson, Edgar G., and Neher. 3,010,884.
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Neher, Herbert J. Apparatus for transporting stacks of brick and the like. 2,986,420, 5–30–61, Cl. 294—63.

Neher, Herbert J., to American Truck Body Co. Apparatus for transporting stacks of brick and the like. 2,996,201, 8–15–61, Cl. 214—75.

Neher, Robert: *See*—
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,986,567.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,903.
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 3,014,904.

Nehls, Harold K. Multiple screwdriver. 3,013,594, 12–19–61, Cl. 145—50.

Nehrbas, Howard G., to Combustion Engineering, Inc. Steam generator. 2,986,128, 5–30–61, Cl. 122—406.

Nehrbas, Thomas C., and F. L. Luntz, to Telephonics Corp. Apparatus for regulating current flow through material. 2,982,860, 5–2–61, Cl. 250—207.

Nehrbass, Nell M. Fire tower. 3,013,640, 12–19–61, Cl. 189—12.

Nehrenberg, Alvin E., T. V. Philip, and G. Steven, to Crucible Steel Co. of America. Low alloy steel having high hardness at elevated temperatures. 2,996,376, 8–15–61, Cl. 75—126.

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Neidenthal, Kenneth W., J. E. Ballmer, and A. M. Rockwood, to McGraw-Edison Co. Laundry machine. 2,995,918, 8–15–61, Cl. 68—24.
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Reynolds, Frederick N. 3,000,042.
Neidl, Georg. Pump for fluids containing solids. 3,005,597, 10–24–61, Cl. 241—255.
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Neil, Raymond M. Policeman's overcoat. 3,000,012, 9–19–61, Cl. 2—94.
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Neill, Ronald H., R. F. Sweeney, and C. Woolf, to Allied Chemical Corp. Manufacture of fluorocarbons. 2,981,763, 4–25–61, Cl. 260—653.8.
Neilson, Mary D. Footwear. 3,002,297, 10–3–61, Cl. 36—11.5.
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Neish, Richard A., to United States Steel Corp. Method of reducing eye holing in lacquered tin-plate. 2,974,091, 3–7–61, Cl. 204—37.
Neisler, Charles E., Jr. Method and apparatus for separating fine material from coarse material. 2,981,414, 4–25–61, Cl. 209—452.
Neisler, Irwin, and Co.: *See*—
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Neiswinter, James T. Coded pulse train communication systems. 2,993,955, 7–25–61, Cl. 178—17.
Nekolný, Jaroslav. Desuperheater arrangements for steam turbines. 2,991,620, 7–11–61, Cl. 60—67.
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Nelissen, Peter H. Furnace valve water seal. 2,993,501, 7–25–61, Cl. 137—251.
Nelken, Ewald. Electric welding apparatus. 2,999,147, 9–5–61, Cl. 219—143.
Nelkin, Nedwyn R., to H.G. Enterprises. Surgical support. 3,013,561, 12–19–61, Cl. 128—520.
Nelles, Johannes, and H. Schiller, to VEB Chemische Werke Buna. Process for the preparation of terephthalic acid and isophthalic acid. 3,014,961, 12–26–61, Cl. 260—524.
Nelli, Pierre, and R. Pugnet. Collision preventing system. 3,012,243, 12–5–61, Cl. 343—106.
Nells, Allen H. and L. D., to Diamond Printing Machinery Co. Printing machines. 3,000,299, 9–19–61, Cl. 101—291.
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Nells, Allen H. and L. D. 3,000,299.
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Nelson, Alfred M., and A. Orner, to Magnavox Co. Card processing apparatus. 2,969,979, 1–31–61, Cl. 271—5.
Nelson, Alfred M., H. M. Stern, and J. B. Wiener, to The Magnavox Co. Card processing system. 2,988,215, 6–13–61, Cl. 209—72.
Nelson, Alfred M., H. M. Stern, and J. B. Wiener, to The Magnavox Co. Card processing apparatus. 2,997,173, 8–22–61, Cl. 209—72.
Nelson, Alfred M., V. E. Mondt, and H. M. Stern, to Magnavox Co. High speed valve assembly. 3,001,549, 9–26–61, Cl. 137—625.27.
Nelson, Alfred R., and E. M. Jankowiak, to The Dow Chemical Co. Process for preparing polyvinyl chloride useful in plastisols. 2,974,129, 3–7–61, Cl. 260—92.8.
Nelson, Alvin I., to United States of America, Army. Process of dehydrating creamed corn. 2,989,404, 6–20–61, Cl. 99—204.
Nelson, Bernard W., to Crompton & Knowles Corp. Loom. 3,011,526, 12–5–61, Cl. 139—11.
Nelson, Brooks E., and R. O. Peterson, to The Osborn Mfg. Co. Reinforced rotary brush. 2,977,622, 4–4–61, Cl. 15—182.
Nelson, Byron W., and S. D. Marcey, to The National Cash Register Co. Process for making electric commutators. 2,992,954, 7–18–61, Cl. 154—80.
Nelson, Carol P.: *See*—
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Nelson, Cecil M., W. C. Larsen, E. A. Goralski, and D. T. Rehwaldt, to Minnesota Mining and Mfg. Co. Textile splicing. 3,000,434, 9–19–61, Cl. 154—42.
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Nelson, Evan S. and C. J. 2,967,318.
Nelson, Evan S. and C. J. 3,006,024.
Nelson, Charles V.: *See*—
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Erickson, Harold E., N. E. and C. V. Nelson, and Schubert. 2,997,080.
Nelson, Christian E., to National Beryllia Corp. Ceramic supporting construction for heat transfer components. 2,983,263, 5–9–61, Cl. 122—510.
Nelson Co., The: *See*—
Nelson, Evan S. and C. J. 2,967,318.
Nelson, Evan S. and C. J. 3,006,024.
Nelson, Conrad E.: *See*—
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Nelson, Corless B., to General Motors Corp. Railway vehicle truck. 2,996,019, 8–15–61, Cl. 105—193.
Nelson, Donald E., to Minnesota Mining and Mfg. Co. Reinforced plastic springs. 2,969,971, 1–31–61, Cl. 267—1.
Nelson, Douglas J. Accessory for blow torch. 2,975,784, 3–21–61, Cl. 126—240.
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Nelson, Edward M.: *See*—
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Nelson, Edwin M.: *See*—
Mercuri, Robert A., Finn, and Nelson. 2,998,302.
Nelson, Eric V., to Vulcan Corp. Shoe heel toplift removing tool. 2,992,445, 7–18–61, Cl. 12—50.5.
Nelson, Eric W.: *See*—
Algatt, George E., Campbell, and Nelson. 2,973,197.
Nelson, Evan S. and C. J., to The Nelson Co. Impact-type marking device. 2,967,318, 1–10–61, Cl. 15—131.
Nelson, Evan S. and C. J., to The Nelson Co. Marking device. 3,006,024, 10–31–61, Cl. 15—565.
Nelson, George, and G. Mulhauser, Jr., to Herman Miller, Inc. Chair. 3,009,740, 11–21–61, Cl. 297—445.
Nelson, George A.: *See*—
Wiederquist, Hakon, and Jensen. 3,012,698.
Nelson, George D., to Monsanto Chemical Co. Stabilized calcium phosphates and process therefor. 3,012,852, 12–12–61, Cl. 23—109.
Nelson, George H., and W. H. Newton, to American Viscose Corp. Yarn-winding apparatus. 2,985,394, 5–23–61, Cl. 242—18.
Nelson, Glenn L., to Hamilton Mfg. Co. Foldable tables. 2,992,043, 7–11–61, Cl. 297—159.
Nelson, Glenn L., to Haldeman-Homme Inc. Basketball training apparatus. 3,012,781, 12–12–61, Cl. 273—1.5.
Nelson, Gordon E., to Combustion Engineering, Inc. Logarithmically sweeping pulse oscillator. 2,980,867, 4–18–61, Cl. 331—152.
Nelson, Gordon E., to Combustion Engineering, Inc. Pulse amplitude to pulse duration converter. 2,997,666, 8–22–61, Cl. 332—1.
Nelson, Gorman R. Sliding piston-type fluid motor-operated nut running tool. 2,973,676, 3–7–61, Cl. 81—52.4.
Nelson, Gorman R. Fastener having tool centering, gear operated, driving contact. 3,002,414, 10–3–61, Cl. 85—9.
Nelson, Harry, to Artcraft Venetian Blind Mfg Co. of St. Louis. Roll-up awning. 2,982,352, 5–2–61, Cl. 160—62.
Nelson, Harry, to Artcraft Venetian Blind Mfg. Co. of St. Louis. Metal strip such as that used in roll-up awnings. 3,012,318, 12–12–61, Cl. 29—528.
Nelson, Herbert: *See*—
Carlson, Carl L., and Nelson. 2,977,262.
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Nelson, Herbert, to Radio Corp. of America. Semiconductor devices. 2,972,092, 2–14–61, Cl. 317—235.
Nelson, Herbert, to Radio Corp. of America. Semiconductor devices. 2,985,805, 5–23–61, Cl. 317—235.
Nelson, Herbert, to Radio Corp. of America. Semi-conductor devices and methods of making same. 3,010,857, 11–28–61, Cl. 148—33.
Nelson, Howard G.: *See*—
Rudler, Henry L., and Nelson. 2,987,696.
Nelson, Iver L., to Waldorf Paper Products Co. Folder loader machines. 2,997,830, 8–29–61, Cl. 53—62.
Nelson, Jack. Method of finishing a garment edge. 2,990,554, 7–4–61, Cl. 2—274.
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Logan, Hugh H., Doty, and Nelson. 2,999,249.
Logan, Hugh H., Nelson, Dixon, and Taube. 2,999,248.
Nelson, James F., J. Hunt, and G. I. Doty, to Logan Mfg. Co. Prefabricated multi-station plumbing fixture. 2,992,437, 7–18–61, Cl. 4—192.
Nelson, James F., J. Hunt, and G. I. Doty, to Logan Mfg. Co. Multi-station surface mounted plumbing fixture. 2,992,438, 7–18–61, Cl. 4—192.

Nelson, James K.: *See*—
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Nelson, John W., to Sinclair Refining Co. Lubricant containing a fatty acid amide of phenothiazine. 2,998,386, 8–29–61, Cl. 252—42.1.
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Nelson, Joseph F., F. W. Banes, and W. P. Fitz Gerald, to Esso Research and Engineering Co. Vinyl ether polymer synthetic lubricants. 2,967,203, 1–3–61, Cl. 260—615.
Nelson, Joseph F., and J. E. Shewmaker, to Esso Research and Engineering Co. Radiolytic polymerization of cyclopentadiene. 2,996,441, 8–15–61, Cl. 204—154.
Nelson, Joseph F., F. W. Banes, and J. H. McAteer, to Esso Research and Engineering Co. Stepwise desulfurization of fluid coke particles with steam and hydrogen. 3,007,849, 11–7–61, Cl. 202—31.
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Nelson, L. R., Mfg. Co., Inc.: *See*—
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Nelson Laboratories, Inc.: *See*—
Greller, Nelson P. 2,984,366.
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Cope, Le Roy C., Nelson, and Meacham. 2,969,735.
Nelson, Lester M. Universal beverage holder. 2,994,438, 8–1–61, Cl. 211—71.
Nelson, Lloyd A.: *See*—
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Nelson, Lorne W., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,987,595, 6–6–61, Cl. 200—122.
Nelson, Milton T., and E. E. Tillman. Head rest. 3,002,201, 10–3–61, Cl. 5—337.
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Nelson, Morris D., to Radio Corp. of America. Frequency variation response circuits. 2,971,088, 2–7–61, Cl. 250—27.
Nelson, Norman, to Flo-Control Co. Flapper valve. 3,006,596, 10–31–61, Cl. 251—33.
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Erickson, Harold E., N. E. and C. V. Nelson, and Schubert. 2,997,080.
Nelson, Norman E., and J. B. Reichert, to Doak Aircraft Co. Inc. Aircraft flight control system. 2,991,026, 7–4–61, Cl. 244—12.
Nelson, Paul A., to United States of America, Atomic Energy Commission. Pyrometallurgical method. 2,992,915, 7–18–61, Cl. 75—84.1.
Nelson, Paul W. Remote index apparatus for a gas meter. 3,005,344, 10–24–61, Cl. 73—272.
Nelson, Permil N., to Lynn H. Ewing, d.b.a. Black Hawk Co. Cutting tool. 2,975,518, 3–21–61, Cl. 30—263.
Nelson, Permil N., to L. H. Ewing, d.b.a. Blackhawk Co. Bed slat safety lock bracket. 2,983,931, 5–16–61, Cl. 5—238.
Nelson, Permil N., to Board of Trustees of the First Methodist Church of Rock Island. Air brake service unit. 2,989,350, 6–20–61, Cl. 303—86.
Nelson, Permil N., to L. H. Ewing, d.b.a. Blackhawk Co. Reflex action game device. 2,995,371, 8–8–61, Cl. 273—1.
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Downs, Martin L., and Nelson. 2,999,787.
Nelson, Raymond F. Wallet guards. 3,003,532, 10–10–61, Cl. 150—47.
Nelson, Raymond W.: *See*—
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Nelson, Richard B., to Varian Associates. Electron tube apparatus. 2,971,115, 2–7–61, Cl. 315—5.
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Wilt, Paul E., III, and Nelson. 2,968,541.
Nelson, Robert E., and G. E. Tench; said Tench assor. to said Nelson. Fluid flow meters. 2,981,240, 4–25–61, Cl. 121—164.
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Nelson, Robert L. Gravity operated mask attachment for cameras. 2,989,907, 6–27–61, Cl. 95—36.
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Dirnberger, Lawrence A., and Nelson. 2,974,109.
Nelson, Roger J., to Deere & Co. Transmission and control therefor. 2,998,732, 9–5–61, Cl. 74—364.
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Nelson, Sterrett G. Abrading tool handle. 2,976,602, 3–28–61, Cl. 29—78.
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Godley, John S. 2,993,110.
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Nelson, Sydney. Burial caskets. 2,974,390, 3–14–61, Cl. 27—7.
Nelson, Theodore E.: *See*—
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Nelson, Thomas F., and J. A. Ottinger, to General Electric Co. Beverage dispenser. 3,011,683, 12–5–61, Cl. 222—33.
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Bunting, William W., Jr., and Nelson. 2,985,995.
Nelson, Vernon H.: *See*—
Sears, Isaac W., Jr., and Nelson. 2,984,249.
Nelson, Wallace C., to United Aircraft Corp. File cabinet locking device. 2,967,080, 1–3–61, Cl. 312—216.
Nelson, Walter J. Road simulating apparatus for vibration testing of motor vehicles. 3,001,394, 9–26–61, Cl. 73—71.7.
Nelson, Walter K. Fastening means for linings of burial caskets. 3,014,261, 12–26–61, Cl. 27—19.
Nelson, Warren: *See*—
Grunberg, Jacques F., and Nelson. 2,982,108.
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Nelson, Wayne F., to Koehring Co. Flow control device. 3,007,527, 11–7–61, Cl. 166—225.
Nelson, William B., to R. W. Gunson (Seeds) Ltd. Apparatus for drying and cleaning seeds. 2,975,898, 3–21–61, Cl. 209—238.
Nelson, William M., to Phillips Petroleum Co. Curing polyolefin with N-oxydiethylene 2-benzothiazolesulfenamide. 3,007,902, 11–7–61, Cl. 260—79.
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Nemec, Jaroslav, and L. Kuhn. Device for central control of a wattmetric balancing system. 2,966,801, 1–3–61, Cl. 73—462.
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Nenz, Adriano, and G. B. Gechele, to Sicedison S.p.A. Compositions and process for inhibiting the polymerization of vinyl heterocyclic nitrogen compounds. 3,010,964, 11–28–61, Cl. 260—290.
Nenzell, Joseph F., to Parker-Hannifin Corp. Seal for rigid seating members wherein protruding portion thereof is receivable into adjacent channel portion. 2,995,057, 8–8–61, Cl. 85—9.
Neo Products Corp.: *See*—
Burd, Gorman C. 2,976,549.
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Nerad, Anthony J.: *See*—
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Nerad, Anthony J., and G. L. Macpherson, to General Electric Co. Jet motor combustion chamber. 2,991,617, 7–11–61, Cl. 60—35.6.
Nerge, Wilhelm, and E. Keunecke, to Leybold-Hochvakuum-Anlagen G.m.b.H. Apparatus for fractional distillation. 3,004,901, 10–17–61, Cl. 202—236.
Neri, Joseph, Jr., to United States of America, Atomic Energy Commission. Sintering of iron-aluminum base powders. 3,009,809, 11–21–61, Cl. 75—201.
Nerney, Francis X., B. K. Easton, and N. Weinberg, to Food Machinery and Chemical Corp. Bleaching peroxide impregnated cellulosic fabrics by contact with a dry heated body. 2,983,568, 5–9–61, Cl. 8—111.
Nero, Leroy W., to Zenith Radio Corp. Subscription television system. 2,996,571, 8–15–61, Cl. 178—5.1.
Nerwick, Charles M., to Structural Fibers, Inc. Manufacture of impregnated glass fiber tanks. 2,977,269, 3–28–61, Cl. 154—83.
Nerwin, Hubert, to Eastman Kodak Co. Apparatus for compensating battery decay. 2,973,699, 3–7–61, Cl. 95—10.
Nerwin, Hubert, to Eastman Kodak Co. Automatic exposure control system. 2,999,438, 9–12–61, Cl. 95—10.
Nerwin, Hubert, to Eastman Kodak Co. Automatic exposure control for photographic camera. 2,999,440, 9–12–61, Cl. 95—10.
Nerwin, Hubert, and J. H. Eagle, to Eastman Kodak Co. Automatic exposure control for photographic camera. 2,999,439, 9–12–61, Cl. 95—10.
Nesbitt, Lyle E., A. N. Barron, and B. B. Bradford. Particulate resin-coated composition. 2,986,538, 5–30–61, Cl. 260—14.
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Ness, Irving S., and R. V. Lints, to Chicopee Mfg. Corp. Method of reorienting fibers and bonding the fibers into a nonwoven fabric. 2,982,667, 5–2–61, Cl. 117—7.
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Nessel, Jiri M., to Clary Corp. Handle and cover construction for calculating machines. 2,973,602, 3–7–61, Cl. 45—68.1.
Nessel, Jiri M., to Clary Corp. Bookkeeping machine. 3,001,470, 9–26–61, Cl. 101—96.
Nessim, Léon G., to Chimel S.A. Process for treating aluminium surfaces. 2,993,819, 7–25–61, Cl. 148—6.27.
Nesson, Israel, to M. Zaiger. Arm coupling for windshield wiper arms. 2,980,453, 4–18–61, Cl. 287—53.
Nester, Elijah T. Valve stem adjuster for curing rim. 2,968,839, 1–21–61, Cl. 18—45.
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Netherton, Lyman R., and J. G. Baker. Trolling spoon. 2,978,829, 4–11–61, Cl. 43—42.22.
Netherwood, Paul H., L. Laliberte, and F. W. Shor, to Sprague Electric Co. Capacitor end-seal process. 2,997,414, 8–22–61, Cl. 154—80.
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Russell, Fred J., and Netschert. 2,980,463.
Russell, Fred J., and Netschert. 2,983,134.
Russell, Fred J., and Netschert. 2,995,396.
Nettel, Frederick. Elastic fluid power plant for intermittent operation. 2,973,622, 3–7–61, Cl. 60—39.51.
Nettel, Frederick. Elastic fluid power plant with matrices of solid material for heat transfer and regeneration. 2,973,623, 3–7–61, Cl. 60—39.51.
Nettel, Frederick. Reciprocating variable delivery pump. 2,981,198, 4–25–61, Cl. 103—41.
Nettleton, Donald E., Jr., I. R. Hooper, D. A. Johnson, and G. A. Hardcastle, Jr., to Beecham Research Laboratories Ltd. Process for the recovery of 6-aminopenicillanic acid. 3,008,956, 11–14–61, Cl. 260—239.1.
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Neudigate, John C. Flexible bedpan. 3,013,279, 12–19–61, Cl. 4—113.
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Neumann, Gerhard M., to Delbag-Luftfilter G.m.b.H. V-shaped filter cell housing, and means of sealing filter frames therein. 2,966,959, 1–3–61, Cl. 183—44.
Neumann, Gerhard M., to Delbag-Luftfilter G.m.b.H. Filter element for extremely fine dust. 2,980,208, 4–18–61, Cl. 183—71.
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Neumann, Horst, P. Viehmann, and H. Hafer, to Chas. Pfizer & Co., Inc. Stable solutions of salts of tetracyclines for parenteral administration. 2,990,331, 6–27–61, Cl. 167—65.
Neumann, Karlheinz, to Rhein-Chemie G.m.b.H. Process of manufacturing ovary cell preparations for therapeutic purposes. 2,983,648, 5–9–61, Cl. 167—74.
Neumann, Karlheinz. Freeze drying apparatus. 2,994,132, 8–1–61, Cl. 34—5.
Neumann, Karlheinz, to National Research Corp. Freeze drying process. 3,013,341, 12–19–61, Cl. 34—5.
Neumann, Manfred, and A. Donato, to Lightolier, Inc. Lighting assembly. 2,977,566, 3–28–61, Cl. 339—119.
Neumann, Miles M. Tumbling humpty dumpty break-up wall toy. 3,012,367, 12–12–61, Cl. 46—145.
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Nevens, Thomas D., R. A. Fisher, and W. J. Culbertson, Jr., to The Oil Shale Corp. Method and apparatus for stripping oil from oil shale. 2,984,602, 5–16–61, Cl. 202—14.
Neves, Frank T. Irrigation water distributing device. 2,979,082, 4–11–61, Cl. 137—625.11.
Neville Chemical Co.: *See*—
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Schwoegler, Edward J., and Putscher. 2,996,438.
Neville, Richard S., and A. M. Malian, to Van Valkenburgh, Nooger & Neville, Inc. Technique and means for rendering certain material invisible. 2,986,820, 6–6–61, Cl. 35—9.
Nevin, Charles S., and J. H. Fletcher, to American Cyanamid Co. Preparing glycidyl esters of higher fatty acids. 2,992,239, 7–11–61, Cl. 260—348.6.
Nevin, Ira, and A. I. Fader. Gas broiler with heat shutter device. 2,985,097, 5–23–61, Cl. 99—447.
Nevins, John E., Jr., to Hughes Aircraft Co. Traveling wave tube waveguide system. 3,010,048, 11–21–61, Cl. 315—3.6.
Nevins, Michael J., and E. E. Huebotter, to National Lead Co. Process of drilling and treating wells. 3,01,583, 9–26–61, Cl. 166—30.
Nevitt, Thomas D., to Standard Oil Co. Preparation of tertiary butylated aromatic compounds. 2,997,433, 8–22–61, Cl. 204—162.
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Newberry, Meigs W., to Westinghouse Electric Corp. Ice maker. 3,010,292, 11–28–61, Cl. 62—353.
Newberry, Sterling P., to General Electric Co. Information storage system. 3,008,066, 11–7–61, Cl. 315—8.5.
Newbery, Gordon W., P. M. Montgomery, and P. F. T. C. Stillwell, to Electric & Musical Industries Ltd. Coincident switching with high frequency components eliminated from gating pulse. 3,005,160, 10–17–61, Cl. 328—91.
Newbill, William S. Chimney construction. 2,976,797, 3–28–61, Cl. 98—84.
Newbold, William F., to Minneapolis-Honeywell Regulator Co. Electronic memory amplifier. 2,988,702, 6–13–61, Cl. 328—142.
Newbold, William F., to Minneapolis-Honeywell Regulator Co. Direct current amplifier feedback control circuit. 3,005,164, 10–17–61, Cl. 330—108.
New Britain Machine Co., The: *See*—
D'Aloiso, Elio F., and De Haas. 2,975,876.
De Haas, Max. 2,991,892.
Gerber, Roger. 2,986,950.
Gerber, Roger. 3,008,339.
Jobert, Arthur H. 3,002,257.
Jobert, Arthur H. 3,002,258.
Kliness, Luther E. 2,981,389.
Pethybridge, Charles A. 2,991,991.
Stephan, Hallis N. 2,976,777.
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Soderberg, Eric W. 2,995,265.
Newburn, Harold W., to Food Machinery and Chemical Corp. Container segregating apparatus. 2,998,117, 8–29–61, Cl. 198—29.
Newbury, Amos B.: *See*—
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Newbury Industries, Inc.: *See*—
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Newby, Neal D., to Bell Telephone Laboratories, Inc. Magnetic translation circuits. 2,973,506, 2–28–61, Cl. 340—147.
Newby, Richard F. Apparatus for producing frozen confection. 3,004,404, 10–17–61, Cl. 62—342.
Newby, Thomas H., and B. A. Hunter, to United States Rubber Co. Para-amino diphenylamine. 2,974,169, 3–7–61, Cl. 206—576.
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Hoskin, Richard K. 2,987,264.
Hoskin, Richard K. 3,000,583.
Newcomb, Ray B., to Positive Traction, Inc. Traction device. 3,002,545, 10–3–61, Cl. 152—225.
Newcomb, Richard L. Lettering devices. 2,984,010, 5–16–61, Cl. 33—23.
Newcomb, Wilbur F. Rear view mirror supporting frame for automobiles. 2,999,427, 9–12–61, Cl. 88—86.
Newcomer, Jack S., E. D. Weil, E. Dorfman, and J. Linder, to Hooker Chemical Corp. Trichlorinated benzyloxyalkanols. 3,006,967, 10–31–61, Cl. 260—611.
Newcomer, Jack S., E. D. Weil, and E. Dorfman, to Hooker Chemical Corp. Synergistic herbicidal composition. 3,007,789, 11–7–61, Cl. 71—2.4.
Newcomer, Jack S., K. J. Smith, and J. Linder, to Hooker Chemical Corp. 2,3,5,6-tetrachlorobenzoic acid amides. 3,014,965, 12–26–61, Cl. 260—558.
Newcomer, Jacob R., Jr., and F. Wheeler, to Camloc Fastener Corp. Latch fastener. 2,969,667, 1–31–61, Cl. 70—134.
Newcomer, Jacob R., Jr., and F. Wheeler, to Camloc Fastener Corp. Toggle latch. 2,998,272, 8–29–61, Cl. 292—66.
Newcomer, James E. Shock absorbing mounting for a hay conditioner. 2,977,737, 4–4–61, Cl. 56—1.
Newcum, Kenneth M., to American Radiator & Standard Sanitary Corp. Indicator for refrigeration lines. 2,994,295, 8–1–61, Cl. 116—117.
Newell, Bernard L., to Geo. Lauterer Corp. Identification badge. 2,972,826, 2–28–61, Cl. 40—1.5.
Newell, Earl L., to The Western Union Telegraph Co. Submerged repeater switching system. 3,007,000, 10–31–61, Cl. 178—70.
Newell, George K.: *See*—
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McClure, Glenn T., and Newell. 2,998,104.
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Newell, George K., to Westinghouse Air Brake Co. Articulated brake cylinder push rod. 2,988,388, 6–13–61, Cl. 287—85.
Newell, Raymond J., and J. H. Jones. Road grader. 2,994,142, 8–1–61, Cl. 37—148.
Newell, Robert W., to General Electric Co. Warm air furnace. 3,006,334, 10–31–61, Cl. 126—110.
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Roberts, William L., and Newell. 2,970,219.
Newell, William H., to Sperry Rand Corp. Deck tilt corrector. 2,967,663, 1–10–61, Cl. 235—61.5.
Newell, William H., E. G. Burgess, Jr., N. J. Zabb, and S. I. Frangoulis, to Sperry Rand Corp. Device for predicting values of a fluctuating system at a predetermined future time. 2,978,177, 4–4–61, Cl. 235—186.
Newell, William H., and E. G. Burgess, Jr., to Sperry Rand Corp., Ford Instrument Co. Division. Flight range and endurance data indicator. 2,992,558, 7–18–61, Cl. 73—178.
Newell, William H., and G. A. Crowther, to Sperry Rand Corp. Target course predictor. 2,995,296, 8–8–61, Cl. 235—61.5.
Newell, William H., E. G. Burgess, Jr., N. J. Zabb, and S. I. Frangoulis, to Sperry Rand Corp. Apparatus for computing and predicting varying conditions for aircraft guidance in landing on floating decks. 2,996,706, 8–15–61, Cl. 343—7.
Newell, William H., H. F. McKenney, and N. J. Zabb, to Sperry Rand Corp., Ford Instrument Co. Division. Analog converter. 3,002,691, 10–3–61, Cl. 235—187.
Newell, William H., H. F. McKenney, and E. C. Bennett, to Sperry Rand Corp. Angle function computer. 3,006,551, 10–31–61, Cl. 235—186.
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Newey, Herbert A., to Shell Oil Co. Epoxy-containing condensates of polyepoxides and acidic materials, their preparation and polymers. 2,970,983, 2–7–61, Cl. 260—47.
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Newhall, Weirose L., and S. B. Floyd, Jr., to Dravo Corp. Method and apparatus for bending pipe to short radii with minimum thinning of the outer wall thickness at the bend. 2,996,100, 8–15–61, Cl. 153—40.
Newhard, Nelson J., Jr., D. Y. Dollman, and L. Steinbrecher, to Amchem Products, Inc. Method of producing chemical conversion coatings on aluminum surfaces. 2,988,465, 6–13–61, Cl. 148—6.2.
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Leone, Salvatore J. 2,989,189.
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Leone, Salvatore J. 3,009,622.
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Newhouse, Paul D., and C. M. Allen, to Westinghouse Electric Corp. Automatic target tracking passive radar apparatus. 2,979,718, 4–11–61, Cl. 343—119.
Newhouse, Russell C., to United States of America, Navy. Vectoring phase simulator. 2,971,269, 2–14–61, Cl. 35—10.2.
Newhouse, Russell C., to United States of America, Navy. Proportional navigation computer. 3,013,722, 12–19–61, Cl. 235—181.
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Newkirk, Arthur E., to General Electric Co. Treatment of calcium tungstate. 2,992,916, 7–18–61, Cl. 75—121.
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Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Stabilized poly-α-olefin compositions. 2,972,597, 2–21–61, Cl. 260—45.85.
Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Poly-α-olefins containing certain 4-alkoxy-2-hydroxybenzophenones and alkylene-bis-phenols. 2,976,260, 3–21–61, Cl. 260—45.95.
Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Ultraviolet light protected poly-α-olefin compositions. 2,980,645, 4–18–61, Cl. 260—45.75.
Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Cellulose organic ester compositions stabilized with a synergistic mixture of copper stearate and para-tertiary-butyl phenol. 2,983,621, 5–9–61, Cl. 106—171.
Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Poly-α-olefins containing synergistic stabilizer combination of resorcinol monobenzoate and 2,2′-methylene bis-(6-tertiary butyl-p-cresol). 2,983,709, 5–9–61, Cl. 260—45.85.
Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Poly-α-olefin composition stabilized against ultraviolet light deterioration. 3,000,856, 9–19–61, Cl. 260—45.95.

Newland, Gordon C., and J. W. Tamblyn, to Eastman Kodak Co. Poly-a-olefin compositions containing synergistic stabilizer combination. 3,003,996, 10–10–61, Cl. 260—45.9.

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Newman, Charles. Fixture for sharpening chain saw teeth. 3,005,362, 10–24–61, Cl. 76—36.

Newman, Charles. Portable chain saw filing device. 3,005,363, 10–24–61, Cl. 76—36.

Newman, Donald J. Golf glove. 2,975,429, 3–21–61, Cl. 2—159.

Newman, Douglas A., to Columbia Ribbon and Carbon Mfg. Co., Inc. Duplicating. 2,974,585, 3–14–61, Cl. 101—149.4.

Newman, Douglas A., to Columbia Ribbon and Carbon Mfg. Co., Inc. Manifold system comprising reactant donor and receptor sheets. 3,011,905, 12–5–61, Cl. 117—33.3.

Newman, Douglas A., A. T. Schlotzhauer, A. M. Vogel, D. B. Albert, and J. J. Quattrone, to Columbia Ribbon & Carbon Mfg. Co., Inc. Thermographic copying paper. 2,967,784, 1–10–61, Cl. 117—36.

Newman, Douglas A., and A. Vaccaro, to Columbia Ribbon & Carbon Mfg. Co., Inc. Typewriter ribbon control. 2,973,082, 2–28–61, Cl. 197—170.

Newman, Douglas A., and A. T. Schlotzhauer, to Columbia Ribbon and Carbon Mfg. Co., Inc. Pressure sensitive ink releasing transfer sheet and process of making same. 2,984,582, 5–16–61, Cl. 117—36.

Newman, Douglas A., and A. T. Schlotzshauer, to Columbia Ribbon & Carbon Mfg. Co., Inc. Ink receptive coating composition. 3,002,858, 10–3–61, Cl. 117—138.8.

Newman, Edward A., and D. O. Clayden, to International Business Machines Corp. Program control system for electronic digital computers. 2,978,175, 4–4–61, Cl. 235—157.

Newman, Elmer S., to Newman Brothers, Inc. Stair railing. 2,969,955, 1–31–61, Cl. 256—21.

Newman, Ernest G., to International Business Machines Corp. Three-position electromagnetic actuator. 3,007,085, 10–31–61, Cl. 317—188.

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Newman, Herbert A., Sr., to Double A Products Co. Combination power tool with adjustable tool spindle. 3,011,533, 12–5–61, Cl. 144—1.

Newman, Howard F., to Emil J. Paldar Co. Electro-mechanical beauty chair. 2,989,280, 6–20–61, Cl. 155—93.

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Newman, Milton. Machine for producing tufted fabrics. 2,991,737, 7–11–61, Cl. 112—79.

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Newman, Norman R., to United States of America, Navy. Apparatus for cutting and forming leads of electronic components. 2,971,544, 2–14–61, Cl. 140—71.

Newman, Pete H., and D. C. Camps, to Thomas De La Rue & Co. Ltd. Inking systems for printing machines. 3,007,407, 11–7–61, Cl. 101—349.

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Newsome, Joel A., Jr., to Gas Processors, Inc. Method of and means for removing condensable vapors contained in mixtures. 3,003,007, 10–3–61, Cl. 260—676.

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Newson, Henry W., E. P. Wigner, E. P. Epler, and T. E. Cole, to United States of America, Atomic Energy Commission. Overall control system for high flux pile. 2,985,574, 5–23–61, Cl. 204—193.2.

Newton, Alan R. Torque limiting device. 2,974,503, 3–14–61, Cl. 64—30.

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Newton, Alwin B. Hot gas refrigeration system. 2,993,341, 7–25–61, Cl. 62—6.

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Newton, George C., Jr., W. T. White, and E. B. Hammond, Jr., to Sperry Rand Corp. Cross connected servo mechanism for a turret gun directing system. 2,968,997, 1–24–61, Cl. 89—41.

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Newton, Norman B., to United Aircraft Corp. Control valve and actuating means. 2,973,745, 3–7–61, Cl. 121—42.

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Newton, Sidney L. C., to Ronald Trust & Co. Ltd. Packing rings and glands including the rings. 3,009,721, 11–21–61, Cl. 288—4.

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Nicholas, Donald C., to B.X. Plastics Ltd. Torque transmission coupling. 2,978,903, 4–11–61, Cl. 73—136.
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Nichols, Gilbert W.: *See*—
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Chisholm, Morris W., and Nichols. 2,969,464.
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Nichols, Nathaniel B., to United States of America, Navy. Gyroscope anti-tumbling apparatus. 2,978,912, 4–11–61, Cl. 74—5.
Nichols, William B. Fastener for sliding cabinet doors. 3,014,747, 12–26–61, Cl. 292—294.
Nichols, William M., to Alco Products, Inc. Pistons. 3,014,771, 12–26–61, Cl. 309—14.
Nicholson, Albright M.: *See*—
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,940.
Fuchsman, Charles H., Nicholson, and Elliott. 2,971,941.
Nicholson, Albright M., Jr., and B. Zaremsky, to Ferro Corp. Ortho, ortho' - bis(para - 1,1,3,3 - tetramethylbutylphenol) monosulphide. 2,971,968, 2–14–61, Cl. 260—439.
Nicholson, Edward W. S.: *See*—
Mason, Ralph B., and Nicholson. 2,976,254.
Voorhies, Alexis, Jr., Nicholson, and Boisture. 2,989,382.
Nicholson, John E. Tine and mounting therefor. 2,987,867, 6–13–61, Cl. 56—400.
Nicholson, Kenneth C., to Carborundum Co. Ceramic lined, light weight rocket motor nozzles and like devices. 2,987,874, 6–13–61, Cl. 60—35.6.
Nicholson, Kenneth C., and R. C. Emanuelson, to The Carborundum Co. Process and apparatus for measuring high temperatures. 3,007,989, 11–7–61, Cl. 136—4.
Nicholson, Kenneth C., and R. C. Emanuelson, to The Carborundum Co. Process and apparatus for measuring high temperatures. 3,011,006, 11–28–61, Cl. 136—5.
Nicholson, Madison G., Jr., to Sylvania Electric Products Inc. Apparatus for generating signals having selectable frequency deviation from a reference frequency. 2,972,109, 2–14–61, Cl. 328—15.
Nicholson, Ralph A., to Intercontinental Mfg. Co., Inc. Heat exchangers. 2,979,310, 4–11–61, Cl. 257—247.
Nick, Howard H., to International Business Machines Corp. Preaging method. 2,978,286, 4–4–61, Cl. 316—1.
Nickel, Eberhard, and T. Geissler, to Kohlenscheidungsgesellschaft m.b.H. Heater for gaseous working mediums of thermal power plants. 2,986,139, 5–30–61, Cl. 126—109.
Nickel, Horst: *See*—
Schmidt, Karl-Heinz, Schündelhütte, Suckfull, and Nickel. 2,987,513.
Nickel, Willard T.: *See*—
Jorgensen, Clarence H., and Nickel. 2,991,655.
Nickell, Claude H.: *See*—
Bedard, Eugene J., Lippincott, and Nickell. 2,999,401.
Nickell, Louis G., to Chas. Pfizer & Co., Inc. Growth promoting composition and methods. 3,008,817, 11–14–61, Cl. 71—2.5.
Nickerson, Basil S., to The Greist Mfg. Co. Ruffiers. 2,985,125, 5–23–61, Cl. 112—135.
Nickerson, Basil S., to The Greist Mfg. Co. Pantograph attachment for sewing machines. 2,995,098, 8–8–61, Cl. 112—102.
Nickerson, Beverly A.: *See*—
Fazio, Charles P., Nelson, and Nickerson. 2,992,795.
Nickerson, Clarence E. Earth mover. 2,975,535, 3–21–61, Cl. 37—129.
Nickerson, John D.: *See*—
Lowe, Charles S., and Nickerson. 2,989,408.
Nickerson, Ralph F., to Monsanto Chemical Co. Light-diffusing glass articles and process of preparing same. 2,970,928, 2–7–61, Cl. 117—17.
Nickerson, Walter J.: *See*—
Robison, Robert S., and Nickerson. 2,988,488.
Nickerson, Walter J., and J. J. Noval, to Rutgers Research and Educational Foundation. Process of treating keratinaceous material and a keratinase produced thereby. 2,988,487, 6–13–61, Cl. 195—5.
Nicklas, John H.: *See*—
Currier, Edwin L., Jr., and Nicklas. 3,012,956.
Loeb, Ernest, and Nicklas. 2,983,660.
Nicklas, John H., to Allis-Chalmers Mfg. Co. Locking device for reactor fuel elements containing an interlocking feature. 3,014,856, 12–26–61, Cl. 204—193.2.
Nicklasson, Ralf B. Feed devices for material, for example in bar form. 2,977,670, 4–4–61, Cl. 29—93.
Nickle, Arthur G.: *See*—
Nickle, Frank H., A. G., and W. A. 2,997,088.
Nickle, Frank H., A. G., and W. A. Earcorn reducing machine. 2,997,088, 8–22–61, Cl. 146—123.
Nickle, William A.: *See*—
Nickle, Frank H., A. G., and W. A. 2,997,088.
Nickles, Edward B., and J. R. Williams, to Manitowoc Engineering Corp. Supports for mobile cranes. 2,985,318, 5–23–61, Cl. 212—145.
Nicklin, Thomas, A. W. Sommerville, E. Brunner, and R. Isherwood, to North Western Gas Board and The Clayton Aniline Co. Ltd. Removal of hydrogen sulphide from hydrocarbons with anthraquinone disulfonic acids. 2,997,439, 8–22–61, Cl. 208—231.
Nickolls, Kenneth R.: *See*—
Colwell, Robert E., Nickolls, and Underwood. 3,007,198.
Nickolls, Kenneth R., to Monsanto Chemical Co. Particulate foamable styrene polymer treatment process. 2,998,396, 8–29–61, Cl. 260—2.5.
Niclas, Walter, and R. Beckadolph, to Continental Gummi-Werke Aktiengesellschaft. Apparatus for making a pneumatic tire carcass. 2,967,564, 1–10–61, Cl. 154—9.
Niclas, Walter, and R. Beckadolph, to Continental Gummi-Werke Aktiengesellschaft. Machine for making carcasses for pneumatic tires. 2,997,094, 8–22–61, Cl. 154—10.
Nicolaisen, Bernard H., to Olin Mathieson Chemical Corp. Vulcanized rubber reclaiming composition of sulfurized tall oil and naphthenic base petroleum oil. 3,008,906, 11–14–61, Cl. 260—2.3.
Nicolaisen, Bernard H., and R. C. Harshman, to Olin Mathieson Chemical Corp. Manufacture of hydrazine dihydrohalides. 2,978,296, 4–4–61, Cl. 23—87.
Nicolaro, Louis L.: *See*—
Mistler, George R., and Nicolaro. 2,983,078.
Nicolas, Henry, to Compagnie Generale d'Electricite. Metal sheathed electric cable. 2,995,616, 8–8–61, Cl. 174—102.
Nicolas, Jean B. Road vehicles. 3,000,523, 9–19–61, Cl. 214—505.
Nicolaus, Bruno J. R.: *See*—
Merlan, Ernest, and Nicolaus. 2,980,666.
Nicolaus, Frank G., to R. T. Moloney, deceased (American National Bank and Trust Co. of Chicago executor of R. T. Moloney). Solenoid plunger with localized bearing. 3,010,055, 11–21–61, Cl. 317—191.

Nicoletta, Francesco. Shear blade thrust assister. 3,006,072, 10–31–61, Cl. 30—266.
Nicolia, Vincenzo A.: *See*—
Disinger, Frank A., and Nicolia. 2,988,335.
Nicolini, Emil. Film developing tank. 2,982,195, 5–2–61, Cl. 95—90.5.
Nicoll, Frederick H.: *See*—
Rhodes, Roland N., and Nicoll. 2,977,412.
Nicoll, Frederick H., to Radio Corp. of America. Electroluminescent device. 2,967,248, 1–3–61, Cl. 250—213.
Nicoll, Frederick H., to Radio Corp. of America. Electroluminescent devices. 2,975,318, 3–14–61, Cl. 313—108.
Nicoll, Frederick H., to Radio Corp. of America. Storage light amplifier. 2,989,641, 6–20–61, Cl. 250—213.
Nicoll, Frederick H., to United States of America, Army. Photovoltaic cells of sintered material. 2,999,240, 9–5–61, Cl. 136—89.
Nicoll, William A., to E. I. du Pont de Nemours and Co. Method of marking perfluorocarbon resin surfaces. 3,011,916, 12–5–61, Cl. 117—138.8.
Nicolls, Wilfrid E. W., to C.A.V. Ltd. Liquid fuel pumps for internal combustion engines. 2,975,776, 3–21–61, Cl. 123—139.
Nicoloff, Thomas F.: *See*—
Hight, Paul K., and Nicoloff. 2,976,645.
Niebergall, Heinz, and B. Langenfeld, to Koppers Co., Inc. Desulfurization of tetraorganodiphosphine disulfides. 3,012,075, 12–5–61, Cl. 260—606.5.
Niebling, Warren H. Garden hose safety valve. 2,975,983, 3–21–61, Cl. 239—547.
Niebrugge, Maxine A.: *See*—
Bernitz, Carl C. 2,977,777.
Niebuhr, Florence A.: *See*—
Niebuhr, Harry N. 3,003,531.
Niebuhr, Harry N., deceased, by F. L. Niebuhr, administratrix, to American Machine & Foundry Co. Spacing means for cutter guides in bread slicing machines. 3,003,531, 10–10–61, Cl. 146—88.
Niederhauser, Warren D., to Rohm & Haas Co. Surface-active monoesters. 2,969,388, 1–24–61, Cl. 260—485.
Niederman, Bernard, to Motorola, Inc. Filter construction. 2,994,844, 8–1–61, Cl. 333—70.
Niederman, Bernard, and R. L. Pohanka, to Motorola, Inc. Electro-mechanical filter. 2,999,989, 9–12–61, Cl. 333—71.
Niedermayer, Alfred J. Film hanger clip. 2,972,201, 2–21–61, Cl. 40—23.
Niedermayer, Egon. Valve comprising a plurality of individual valves. 2,981,462, 4–25–61, Cl. 230—228.
Niederrheinische Hutte Aktiengesellschaft: *See*—
Werz, Wilhelm. 2,979,394.
Niederrheinische Maschinenfabrik Becker and van Huellen: *See*—
Huetter, Will. 2,973,790.
Hutter, Will. 3,005,230.
Nieders, Harold, to P. R. Mallory & Co., Inc. Hermetic seal type vent for electrolytic capacitors. 3,013,190, 12–12–61, Cl. 317—230.
Nieland, Paul J.: *See*—
Zeigle, Kenneth C., Vance, Nieland, and Bloomquist. 2,974,772.
Nielsen, A. C., Co.: *See*—
Freeman, Robert L. 2,985,498.
Freeman, Robert L. 3,012,179.
Nielsen, Alvin R.: *See*—
Pinsky, Jules, and Nielsen. 2,985,542.
Nielsen, Alvin R., to Plax Corp. Polyethylene bond and method therefor. 2,970,078, 1–31–61, Cl. 154—139.
Nielsen, Arnold T.: *See*—
Feuer, Henry, Rubinstein, and Nielsen. 3,002,013.
Nielsen, Axel L. Sump pump and flood control equipment. 3,002,064, 9–26–61, Cl. 200—83.
Nielsen, Axel T.: *See*—
Stieg, William E., and Nielsen. 2,971,866.
Nielsen, Carl F. Pumping system for truck tanks. 2,990,785, 7–4–61, Cl. 103—207.
Nielsen, Erik J.: *See*—
Van Valkenburg, Hermon L., and Nielsen. 2,981,922.
Nielsen, Erik J., to Square D Co. Electric terminal strip. 2,990,534, 6–27–61, Cl. 339—198.
Nielsen, Erik J., to Square D Co. Gang connector for terminal boards. 3,007,129, 10–31–61, Cl. 339—151.
Nielsen, Erik J., and H. W. Troyk, to Square D Co. Connector. 2,997,688, 8–22–61, Cl. 339—272.
Nielsen, Erling J., to Lovens kemiske Fabrik ved A. Kongsted. Penicillin salts. 2,974,136, 3–7–61, Cl. 260—239.1.
Nielsen, Gilbert: *See*—
Kramer, Amihud, Nielsen, and Bryan. 2,972,884.
Nielsen, Glen F.: *See*—
Feimmer, Max E., Sochor, Kusnick, Nielsen, and Vinson. 2,974,306.
Nielsen, James S., and A. M. Rankin, to Goodyear Aircraft Corp. Tube routing machine. 3,004,477, 10–17–61, Cl. 90—15.
Nielsen, James W.: *See*—
Linares, Robert C., Jr., and Nielsen. 2,992,079.
Nielsen, John M., to General Electric Co. Lubricant composition. 3,009,876, 11–21–61, Cl. 252—37.2.
Nielsen, John M., to General Electric Co. Stabilized lubricant composition. 3,009,877, 11–21–61, Cl. 252—37.2.
Nielsen, Leo J. Grinding wheel dressing means in saw sharpening apparatus. 2,986,048, 5–30–61, Cl. 76—37.
Nielsen Mfg. Co.: *See*—
Nielsoen, Adolph. 3,011,443.
Nielsen, Milton R., and R. A. Slouka, to Borg-Warner Corp. Industrial manipulator hoist. 2,984,376, 5–16–61, Cl. 214—658.
Nielsen, Morris L., to Monsanto Chemical Co. Nematocide. 2,980,577, 4–18–61, Cl. 167—22.
Nielsen, Morris L., to Monsanto Chemical Co. Phosphorus-nitrogen compounds. 2,996,542, 8–15–61, Cl. 260—551.
Nielsen, Olaf, J. V. Viola, deceased (D. J. Viola, executrix), and R. Kent. Tree stand. 2,980,377, 4–18–61, Cl. 248—44.
Nielsen, Oluf. Print roll holder. 2,987,326, 6–6–61, Cl. 281—44.
Nielsen, Orla. Dispensing device for packaging cartons. 3,009,609, 11–21–61, Cl. 222—456.
Nielsen, Otto S.: *See*—
Helland, Gilman A., and Nielsen. 2,989,857.
Nielsen, Poul B., to F. L. Smith & Co. Apparatus for cooling finely divided material. 3,002,289, 10–3–61, Cl. 34—57.
Nielsen, Robert. Apparatus for planting seedlings. 2,980,041, 4–18–61, Cl. 111—3.
Nielsen, Villads C. V. Arrangement in liquid outlets. 2,988,288, 6–13–61, Cl. 239—431.
Nielsoen, Adolph, to Nielsen Mfg. Co. Adjustable fluid injector. 3,011,443, 12–5–61, Cl. 103—6.
Nielson, A. C., Co.: *See*—
Krahulec, Fred. 2,984,536.
Nielson, Carl A., to United States of America, Army. Optical insert for gas masks. 3,004,535, 10–17–61, Cl. 128—141.
Nieman, Naseeb. Archery arrows. 3,000,635, 9–19–61, Cl. 273—106.5.
Niemann, Henry W. Oven ventilation. 3,006,333, 10–31–61, Cl. 126—19.
Niemann, Rolf: *See*—
Wurmböck, Gabriele, Niemann, and E. and O. Wurmböck. 2,971,920.
Niemeier, Bernard A.: *See*—
Wilson, Elwood J., Jr., and Niemeier. 2,981,153.
Niemeyer, Edward H., to ACF Industries, Inc. Combined drill support and chip cutter device. 2,968,975, 1–24–61, Cl. 77—55.
Niemeyer, Gerald W.: *See*—
Winters, Donald F., and Niemeyer. 2,970,435.
Niems, Lee H., to Marblehead Lime Co. Apparatus for cooling refractory particles. 2,970,828, 2–7–61, Cl. 263—32.
Nies, Nelson P.: *See*—
Taylor, Donald S., and Nies. 3,010,786.
Niesemann, Fritz, to Rockwell Mfg. Co. Fluid pressure regulator. 2,987,074, 6–6–61, Cl. 137—505.45.
Nieset, Robert T.: *See*—
Gratian, Joseph W. and A. C., Nieset, Bourns, and Crane. 2,980,905.
Nieset, Robert T., H. R. Crane, and A. C. and J. W. Gratian, to United States of America, Atomic Energy Commission. Super-regenerative radio ranging device. 2,984,833, 5–16–61, Cl. 343—13.
Niessen, Paul F., to Victor Mfg. & Gasket Co. Gasketing material. 2,992,151, 7–11–61, Cl. 154—53.
Nieuwenhoven, Hendricus J. C.: *See*—
Zoglmann, Rudolf, and Nieuwenhoven. 2,975,691.
Nieuwenhoven, Hendricus J. C., to N.V. Optische Industrie "de Oude Delft." Focal plane shutter. 2,970,529, 2–7–61, Cl. 95—57.
Nieuwenhoven, Hendricus J. C., to N.V. Optische Industrie "De Oude Delft." Mirror camera provided with a diaphragm. 2,995,997, 8–15–61, Cl. 95—64.
Nieuwenhoven, Hendricus J. C. M., G. L. A. Monte, and H. J. M. C. Brech, to N.V. Optische Industrie "De Oude Delft." Automatic processing device for cut photographic films. 2,980,006, 4–18–61, Cl. 95—90.
Nigg, Donald J., to United States of America, Atomic Energy Commission. Directional couplers. 3,012,210, 12–5–61, Cl. 333—10.
Nightingale, Wesley W. Building construction. 3,004,302, 10–17–61, Cl. 20—2.
Nigon, Joseph P., to Callery Chemical Co. Preparation of sodium borohydride. 2,983,574, 5–9–61, Cl. 23—14
Nigrelli, Biagio J., W. E. Standley, R. B. Wittmann, and C. N. Pederson, to R. W. Johns, B. J. Nigrelli, and R. R. Johns. Package inspection and sorting mechanism. 2,990,952, 7–4–61, Cl. 209—72.
Nigrelli, Biagio J., W. E. Standley, E. M. Schaller, and J. I. Wittmann, to R. W. Johns, B. J. Nigrelli, and R. R. Johns. Cover opener for cases. 2,997,833, 8–29–61, Cl. 53—382.
Nihon Spindle Seizo Kabushiki Kaisha: *See*—
Hijiya, Kenji. 3,003,177.
Nii, Toru: *See*—
Komiyama, Daisuke, Takaki, Ando, and Nii. 3,001,235.
Nijhoff, Gerard J. J., to Kunstzijdespinnerij Nyma N.V. Mixtures of cellulose ethers and starch ethers. 3,001,884, 9–26–61, Cl. 106—188.
Nijland, Louis M., to North American Philips Co., Inc. Method of producing transistors. 3,006,789, 10–31–61, Cl. 148—1.5.
Nikawitz, Edward J., to The Givaudan Corp. Germicidal piperazine derivatives. 3,007,929, 11–7–61, Cl. 260—268.
Niklas, Josef. Propeller-driven snow vehicle. 2,998,859, 9–5–61, Cl. 180—3.
Niklas, Wilfrid F., to The Rauland Corp. Electron discharge device. 2,974,244, 3–7–61, Cl. 313—65.
Niklas, Wilfrid F., to The Rauland Corp. Method of forming a multi-layer pick up screen. 3,011,919. 12–5–61. Cl. 117—211.

Niklas, Wilfrid F., and C. S. Szegho, to The Rauland Corp. Cathode-ray tube. 3,008,064, 11-7-61, Cl. 313—82.

Nikles, Erwin: *See*—
Batzer, Hans, and Nikles. 2,975,195.
Batzer, Hans, and Nikles. 2,988,554.
Batzer, Hans, and Nikles. 2,991,293.

Nikles, Otho L., to Ciba Products Corp. Epoxide resin process and composition. 3,006,891, 10-31-61, Cl. 260—47.

Nikles, Otho L., to Ciba Products Corp. Epoxide resin compositions. 3,006,892, 10-31-61, Cl. 260—47.

Nikolai, Josef: *See*—
Honold, Ernest, and Nikolai. 3,008,795.

Nilan, Charles P., to Chicago Bridge & Iron Co. Multi-stage flash evaporator. 2,993,844, 7-25-61, Cl. 202—173.

Niles, Nelson P., to United States Borax & Chemical Corp. Production of sodium borates. 3,000,701, 9-19-61, Cl. 23—59.

Nilges, William C. Indexing head. 2,972,260, 2-21-61, Cl. 74—396.

Nilges, William C. Fluid pumps, motors and methods therefor. 2,992,619, 7-18-61, Cl. 103—162.

Nilo, Dominick J., ½ to S. C. Gaeta. Fluid valve with inlet and outlet valve cages. 2,981,285, 4-25-61, Cl. 137—614.21.

Nilok Chemicals, Inc.: *See*—
Morse, Harold H., and Mohun. 3,011,864.

Nilsen, Norman P. Fluid handling valve. 2,997,273, 8-22-61, Cl. 251—185.

Nilson, Carl E.: *See*—
Grauel, Ludwig J., and Nilson. 2,987,055.

Nilsson, Bengt E., to Aktiebolaget Electrolux. Device for cleaning rotatable brushes, especially floor polishing machine brushes. 2,977,620, 4-4-61, Cl. 15—142.

Nilsson, Einar W., to The McKay Machine Co. Draw buggy. 2,980,238, 4-18-61, Cl. 205—3.

Nilsson, Eric O. F. and S. I., and E. G. Hagelin, to Kohlswa Jernverks Aktiebolag. Method and device for pulverizing and/or decomposing solid materials. 2,997,245, 8-22-61, Cl. 241—1.

Nilsson, Gosta: *See*—
Dahlen, Sven E., and Nilsson. 3,000,153.

Nilsson, Hans R., to Svenska Rotor Maskiner Aktiebolag. Rotor device. 2,975,963, 3-21-61, Cl. 230—143.

Nilsson, Hans R., and P. W. S. Persson, to Svenska Rotor Maskiner Aktiebolag. Rotary devices, particularly rotary heat exchangers. 2,969,958, 1-31-61, Cl. 257—267.

Nilsson, Herman B., to Aktiebolaget Inventing. Sensing devices. 2,991,997, 7-11-61, Cl. 271—57.

Nilsson, Hugo E., to Aktiebolaget Bofors. Method of and an apparatus for recording a variable voltage. 2,991,419, 7-1-61, Cl. 324—121.

Nilsson, Karl: *See*
Allander, Claes, Lunden, and Nilsson. 2,975,609.

Nilsson, Sven I.: *See*—
Nilsson, Eric O. F. and S. I., and Hagelin. 2,997,245.

Nimblett, Albert H.: *See*—
Brooks, David N., Dayton, and Nimblett. 3,003,053.
Dayton, David R., Nimblett, and Brooks. 3,015,023.

Nimmo, Raymond L., and W. A. Culwell. Propulsion and steering means for motor boats. 2,988,039, 6-13-61, Cl. 115—35.

Nimylowycz, Osyp, to I-T-E Circuit Breaker Co. Contact arm kicker for circuit breakers. 2,975,253, 3-14-61, Cl. 200—116.

Nindel, John E. Percussion attachments for rotary drills. 2,979,962, 4-18-61, Cl. 74—22.

Ninet, Leon, S. Pinnert, and J. Preud'homme, to Societe des Usines Chimiques Rhone-Poulenc. Spiramycins and their production. 3,000,785, 9-19-61, Cl. 167—65.

Ning, Tsoi. Electric dry batteries. 2,996,565, 8-15-61, Cl. 136—132.

Ninlnger, Nathan V., Jr.: *See*—
Lacy, Carl B. 2,975,872.

Ninnemann, Lawrence D., and R. M. Crayford, to Baker Brothers, Inc. Loading and unloading apparatus. 2,975,809, 3-21-61, Cl. 141—1.

Nippert Electric Products Co., The: *See*—
Nippert, Paul W. 2,975,659.

Nippert, Paul W., to The Nippert Electric Products Co. Boring machine or similar machine tool. 2,975,659, 3-21-61, Cl. 77—3.

Nippon Denso Kabushiki Kaisha: *See*—
Kato, Masumi. 3,006,013.

Nippon-Electric Co., Ltd.: *See*—
Ito, Michiaki. 3,013,172.
Morita, Masasuke, and Ito. 3,001,068.
Ouchi, Atsuyoshi. 3,013,225.
Takahashi, Choku. 3,013,115.
Yasuda, Susumu. 2,991,382.
Yasuda, Susumu. 3,001,094.

Nippon Kanlkanzume Yushutsu Suisangyo Kumiai: *See*—
Osakabe, Isami. 3,007,802.

Nippon Kogaku K.K.: *See*—
Fukuoka, Shigetada. 3,007,385.
Sho, Koji. 3,007,365.

Nippon Light Metal Co., Ltd.: *See*—
Nakayama, Takakado. 2,998,358.
Watanabe, Koichi, Asano, and Hara. 2,970,708.

Nippon Sewing Machine Mfg. Co. Ltd.: *See*—
Koike, Fuji. 2,971,482.
Yasui, Masayoshi. 3,003,112.

Nippon Telegraph and Telephone Public Corp.: *See*—
Kita, Shoichi. 3,012,174.
Kiyasu, Zen-iti, Husimi, and Yamanaka. 2,969,497.
Kiyasu, Zen-Iti, and Muroga. 2,998,531.
Muroga, Saburo. 2,980,893.

Nisbet, John L.: *See*—
Ford, Charles J., and Nisbet. 2,967,415.

Nischk, Gunther: *See*—
Holtschmidt, Hans, Bayer, Muller, and Nischk. 3,005,803.
Holtschmidt, Hans, Nischk, and Kallert. 2,998,413.

Nischk, Gunther, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of polymers. 2,974,118, 3-7-61, Cl. 260—45.4.

Nischk, Günther, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Method for making polyurethane elastomer and product thereof. 3,010,934, 11-28-61, Cl. 260—45.4.

Nischk, Gunther, O. Bayer, H. Holtschmidt, and H. Meckbach, to Farbenfabriken Bayer Aktiengesellschaft. Polymerizable composition comprising a vinyl monomer and an unsaturated polyester containing benzyl ether groups. 2,984,643, 5-16-61, Cl. 260—45.4.

Nischk, Gunther, H. Holtschmidt, and K. Eisenmann, ½ to Farbenfabriken Bayer Aktiengesellschaft and ½ to Mobay Chemical Co. Copolymer of an ethylenically unsaturated compound and maleic anhydride-polythioetherglycol reaction product. 2,988,532, 6-13-61, Cl. 260—45.4.

Nischk, Günther, and H. Holtschmidt, ½ to Farbenfabriken Bayer Aktiengeselischaft and ½ to Mobay Chemical Co. Polyurethane plastics containing sulfur. 2,989,512, 6-20-61, Cl. 260—77.5.

Nise, Wilfred C., to Automatic Electric Laboratories, Inc. Miniature extension telephone. 2,990,456, 6-27-61, Cl. 179—147.

Nishikawa, Masamoto, and H. Hagiwara, to Takeda Pharmaceutical Industries, Ltd. Estratriene series compounds and their production. 3,006,931, 10-31-61, Cl. 260—397.4.

Nishikawa, Masamoto, and H. Hagiwara, to Takeda Pharmaceutical Industries, Ltd. 10-carboxy-Δ^4-androstenes and process for the production thereof. 3,014,931, 12-26-61, Cl. 260—397.1.

Nishikawa, Yukio: *See*—
Oji, Takashi, Ijiri, and Nishikawa. 2,998,749.

Nishikiori, Seiji, and Y. Okada. Iron powder composition for gas-cutting, gas-washing, and gas-scarfing. 2,967,767, 1-10-61, Cl. 75—.5.

Nishizawa, Jun-Ichi: *See*—
Watanabe, Yasushi, and Nishizawa. 3,011,104.

Nisle, Robert G., to Phillips Petroleum Co. Magneto-optical rotation analyzer. 2,973,684, 3-7-61, Cl. 88—14.

Nissel, Dieter: *See*—
Mulch, Hans, and Nissel. 3,001,445.

Nissel, Frank R., to Union Carbide Corp. Continuous butt jointing of thermoplastics. 2,988,134, 6-13-61, Cl. 154—42.

Nissen, George P. Bounding beds. 2,969,124, 1-24-61, Cl. 182—139.

Nissen, George P. Bounding bed. 3,004,623, 10-17-61, Cl. 182—139.

Nissen, Oskar K., M. Maier, and H. Weiler, to Knapsack-Griesheim Aktiengesellschaft. Process for the safe storing of liquid acetylene solutions. 2,973,085, 2-28-61, Cl. 206—.7.

Nistri, Umberto. Control device for coordinatometers in photogrammetric equipments. 3,005,262, 10-24-61, Cl. 33—1.

Nitchie, Charles D., to Koppers Co., Inc. Air operated keys. 2,989,328, 6-20-61, Cl. 287—152.05.

Nitka, Heinz F.: *See*
Jones, Donald P., and Nitka. 2,994,771.
Kostelec, Joze, and Nitka. 2,986,467.

Nitkiewicz, Stanley L., to Abbey Etna Machine Co. Automatic strip guide and centering device. 3,001,680, 9-26-61, Cl. 226—15.

Nitragin Co., Inc., The: *See*—
Burton, Joe C. 2,995,867.

Nitroglycern Aktiebolaget: *See*—
Brunnberg, Bernt. 3,009,944.
Wetterholm, Gustav A. 2,992,910.

Nitsch, Rudolf, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Sealed-in contact device. 2,981,810, 4-25-61, Cl. 200—87.

Nitsch, Rudolf, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Coordinate switching devices. 2,983,792, 5-9-61, Cl. 179—27.54.

Nitsch, Rudolf, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Coordinate switch. 3,005,877, 10-24-61, Cl. 179—27.54.

Nitschke, Robert C., to The Fellows Gear Shaper Co. Work holding fixture for gear cutting machines. 3,007,374, 11-7-61, Cl. 90—7.5.

Nitz, Robert J., and A. F. Bujan, to Abbott Laboratories. Hub structure. 3,007,472, 11-7-61, Cl. 128—221.

Nitzki, Leopold, and W. Book, to Aktien-Gesellschaft "Weser." Rear end construction for propeller-driven vessels. 3,014,449, 12-26-61, Cl. 114—57.

Nitzsche, Siegfried, E. Schmidt, and M. Wick, to Wacker-Chemie G.m.b.H. Organopolysiloxane oils. 2,990,419, 6-27-61, Cl. 260—448.2.

Nitzsche, Siegfried, and M. Wick, to Wacker-Chemie G.m.b.H. Method of preparing organopolysiloxane elastomers. 2,999,077, 9-5-61, Cl. 260—18.

Nitzsche, Siegfried, and E. Pirson, to Wacker-Chemie G.m.b.H. Composition comprising an organopolysiloxane and the reaction product of a titanium ester and formaldehyde, and method of rendering fibrous material water-repellent therewith. 3,002,949, 10–3–61, Cl. 260—42.

Nitzsche, Siegfried, and P. Buchheit, to Wacker-Chemie G.m.b.H. Preparation of phenyl-substituted chlorosilanes. 3,006,943, 10–31–61, Cl. 260—448.2.

Nitzsche, Siegfried, and R. Riedle, to Wacker Chemie G.m.b.H. Heat-stable organosiloxane grease containing a solid polymeric fluorocarbon compound. 3,011,975, 12–5–61, Cl. 252—25.

Niwa, Makoto, Y. Kikuchi, S. Kamimura, and M. Ohishi, to Mitsubishi Kasei Kogyo Kabushiki Kaisha. Process for preparing oxygen-containing organic compounds. 2,992,275, 7–11–61, Cl. 260—604.

Niwa, Susumu: *See*—
Nasu, Kuniharu, and Niwa. 2,969,664.

Nix, Charles H., to A. B. Chance Co. Combination transformer case and attached insulator bracket for riser wire. 2,998,476, 8–29–61, Cl. 174—139.

Nix, Harold C.: *See*—
Allison, John W., Hansen, Nix, and Riggs. 2,985,581.

Nix, Rufus S., and J. B. McCabe. Toothbrush and gum massager. 2,993,220, 7–25–61, Cl. 15—22.

Nixdorff-Krein Mfg. Co.: *See*—
Littmann, Ellis C. 3,014,683.

Nixon, Alan C., and H. B. Minor, to Shell Oil Co. Gasoline fuel compositions. 2,980,519, 4–18–61, Cl. 44—69.

Nixon, Frank: *See*—
Pope, Joseph A., and Nixon. 2,979,941.

Nixon, Ian S.: *See*—
Birch, Arthur J., Nixon, and Grove. 2,977,285.
Calam, Christopher T., and Nixon. 2,990,337.

Nixon, Jeddy D. Co., Inc.: *See*—
Nixon, Jeddy D., Sr. 2,998,066.

Nixon, Jeddy D., Sr., ¼ to C. N. McClendon, and ¾ to Jeddy D. Nixon Co., Inc. Method of treating wells. 2,998,066, 8–29–61, Cl. 166—41.

Nixon, John E., to The Colorado Fuel and Iron Corp. Method of spinning cables for suspension bridges. 2,971,255, 2–14–61, Cl. 29—407.

Nixon, Joseph R., Jr.: *See*—
Gregory, George P., and Nixon. 2,992,169.

Nixon, Leroy, to The Colorado Fuel and Iron Corp. Aerial transporter and system. 2,987,009, 6–6–61, Cl. 104—112.

Nixon, Maurice W. Low pressure relief and vacuum check valve. 2,989,069, 6–20–61, Cl. 137—251.

Nixon, William G., to Universal Oil Products Co. Manufacture of activated refractory inorganic oxides. 2,968,537, 1+17–61, Cl. 23—293.

Nixon, William G., to Universal Oil Products Co. Activated alumina and the use thereof. 2,968,635, 1–17–61, Cl. 252—466.

Nixon, William G., to Universal Oil Products Co. Activated inorganic metal oxides. 2,974,111, 3–7–61, Cl. 252—466.

Nixon, William G., to Universal Oil Products Co. Activated refractory inorganic oxide. 2,977,326, 3–28–61, Cl. 252—466.

Nixon, William O. Hydraulic computer system. 2,985,181, 5–23–61, Cl. 137—85.

Noack, Rolf: *See*—
Hahn, Erich, Hahn, and Noack. 2,999,437.

Noack, Rolf, and H. Schulze, to VEB Kamera-und Kinowerke Dresden. Lens shutters. 2,971,446, 2–14–61, Cl. 95—42.

Noack, Rolf, and H. Schulze, to VEB Kamera- und Kinowerke Dresden. Control means for exposure factors. 3,000,282, 9–19–61, Cl. 95—10.

Noack, Rolf, and J. Weise, to VEB Kamera-und Kinowerke Dresden. Diaphragm for photographic apparatus. 3,002,441, 10–3–61, Cl. 95—64.

Noah, Ross A. Extensible legged film file case and projector table. 2,989,329, 6–20–61, Cl. 287—58.

Noakes, Thomas E., to American Radiator & Standard Sanitary Corp. Thermostatic mixing valve and power element construction. 2,978,181, 4–4–61, Cl. 236—12.

Noakes, Thomas E., to American Radiator & Standard Sanitary Corp. Refrigerating system and valve construction. 2,983,114, 5–9–61, Cl. 62—278.

Noakes, Thomas E., to American Radiator & Standard Sanitary Corp. Snap-action thermostatic valve. 3,004,712, 10–17–61, Cl. 236—48.

Noail, John, to The Firestone Tire & Rubber Co. Quick acting tire mounting chuck. 2,979,091, 4–11–61, Cl. 144—288.

Nobel-Bozel: *See*—
Marcheguet, Henri G. L., and Gandon. 2,994,585.

Noberasco, Massimiliano, to Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa-Societa per Azioni. Sheet material for printing and writing purposes and the like comprising a synthetic fiber fabric. 3,001,263, 9–26–61, Cl. 28—74.

Nobile, Arthur, to Schering Corp. Ethinyl androstadienes. 3,010,957, 11–28–61, Cl. 260—239.55.

Nobile, Frank. Wheel chair construction. 2,986,200, 5–30–61, Cl. 155—30.

Nobile, Luciano, to Ledoga S.p.A. Process for preparing a fruit juice in powder form. 2,970,058, 1–31–61, Cl. 99—206.

Nobinger, Edward. Portable sprinkling device. 2,999,644, 9–12–61, Cl. 239—229.

Nobis, John F., to National Distillers and Chemical Corp. Preparation of cyclopentadienylsodium. 2,999,109, 9–5–61, Cl. 260—514.

Nobis, John F., to National Distillers and Chemical Corp. Recovery of by-product aluminum and preparation of aluminum alkyls. 3,006,942, 10–31–61, Cl. 260—448.

Noble, Bert. Batching device. 2,968,463, 1–17–61, Cl. 249—14.

Noble, Deward V.: *See*—
Clark, Clarence C., and Noble. 3,007,803.

Noble, Henry, 1/12 to J. J. Pelfer, 1/12 to L. Noeske, and 1/12 to T. O. Colgrove. Device for locating and salvaging sunken logs. 3,003,804, 10–10–61, Cl. 294—66.

Noble, Ira D. Traction shoe assembly. 2,993,738, 7–25–61, Cl. 305—55.

Noble, John W. Floor mopping apparatus. 2,996,743, 8–22–61, Cl. 15—98.

Noble Mfg. Co.: *See*—
Dlugosch, Paul A. 2,974,737.
Green, Frank T., and Smith. 3,006,096.

Noble, Richard D., S. W. Bradstreet, and H. L. Rechter, to Armour Research Foundation of Illinois Institute of Technology. Ceramic coating compositions and articles coated therewith. 2,995,453, 8–8–61, Cl. 106—39.

Noble, Stuart D., 10% to V. D. Beehler, and 90% to S. D. Noble. Reel mounting. 3,002,707, 10–3–61, Cl. 242—68.3.

Nobles, Elon J.: *See*—
Barclay, Kenneth M., Nobles, and Kruppa. 3,010,882.

Nobles Engineering and Mfg. Co.: *See*—
Houser, Frank C. 2,989,769.

Noblette, Duffield G. Boat loading device. 2,968,511, 1–17–61, Cl. 294—82.

Noblin, Connie B. Fire plow attachment for a crawler type tractor. 2,990,632, 7–4–61, Cl. 37—98.

Nock, Berta N. Device for marking patterns on cloth. 2,997,983, 8–29–61, Cl. 120—13.

Nock, James L., to Painter Brothers Ltd. Pole and like structures for the support of electric transmission lines and other purposes. 2,984,322, 5–16–61, Cl. 189—23.

Nock, William, T. R. Prentice, and R. Bentley, to Imperial Chemical Industries Ltd. Separation of liquids. 2,985,305, 5–23–61, Cl. 210—83.

Nocke, Henry H., to Thiokol Chemical Corp. Rocket engine structure. 2,987,882, 6–13–61, Cl. 60—35.6.

Nockemann, Ernst: *See*—
Nallinger, Friedrich, and Nockemann. 2,998,275.

Noda Industrial and Scientific Research Laboratory: *See*—
Onishi, Hiroshi. 2,986,495.
Onishi, Hiroshi. 3,012,945.

Noda, Katsuhiko, and K. Kurokawa, to Agency of Industrial Science and Technology, Ministry of International Trade and Industry. Voltage regulating system. 2,974,272, 3–7–61, Cl. 323—89.

Noda, Shozo, to Howa Kogyo Kabushiki-Kaisha. Automatic can changing apparatus. 2,988,785, 6–20–61, Cl. 19—159.

Noddin, George A.: *See*—
Andrew, David J., Felch, and Noddin. 2,982,210.
Hopkins, Paul D., Miller, and Noddin. 2,997,911.

Noddin, George A., to E. I. du Pont de Nemours and Co. Electric initiator. 2,980,019, 4–18–61, Cl. 102—28.

Noddin, George A., to E. I. du Pont de Nemours and Co. Delay composition. 2,991,714, 7–11–61, Cl. 102—28.

Noddin, Ray C., to American Bosch Arma Corp. Alternator. 3,004,181, 10–10–61, Cl. 310—263.

Noddings, Charles R., to The Dow Chemical Co. Catalytic dehydrogenation method. 2,996,557, 8–15–61, Cl. 260—680.

Nodolf, Keith M., to Minneapolis-Honeywell Regulator Co. Fluid cleaning apparatus. 2,970,670, 2–7–61, Cl. 183—7.

Nodolf, Keith M., to Minneapolis-Honeywell Regulator Co. Gas cleaning apparatus. 2,978,066, 4–4–61, Cl. 183—7.

Nodolf, Keith M., to Minneapolis-Honeywell Regulator Co. Fluid cleaning apparatus. 2,997,130, 8–22–61, Cl. 183—7.

Nodson, John A.: *See*—
Tidwell, Eugene A., Nodson, and Hill. 2,992,834.

Noe, Richard T.: *See*—
Grisinger, Arnott B., and Noe. 2,987,345.

Noe, William M.: *See*—
Weber, Christof. 2,972,173.
Weber, Christof. 3,013,317.

Noeggerath, Wolfgang C.: *See*—
Cumming, James M., Dyer, and Noeggerath. 2,972,225.

Noel, Melbourne A.: *See*—
Brandt, John B., Noel, Kelly, and Burns. 2,985,120.

Noeske, Louis: *See*—
Noble, Henry. 3,003,804.

Noether, Herman D.: *See*—
Stucki, Hans R., and Noether. 3,012,396.

Nofer, Paul. Closure for containers. 2,993,611, 7–25–61, Cl. 215—39.

Noffsinger, Harold E. Holder for milk cartons. 2,979,225, 4–11–61, Cl. 220—85.

Noffsinger, Kenna E. Tractive vehicle mounted bucket. 2,981,428, 4–25–61, Cl. 214—501.

Nofsinger, Earl L. Toilet ventilator and air sterilizer and purifier. 2,974,323, 3–14–61, Cl. 4—213.

Noftz, Mearl E., and R. P. Graham, to Chrysler Corp. Fuel injection system. 3,013,545, 12–19–61, Cl. 123—119.

Nogami, Kunishige, T. Hotta, and R. Torisu, to Hitachi Ltd. Cross bar system automatic telephone exchange. 2,972,020, 2–14–61, Cl. 179—27.54.

Nogiwa, Yukio. Method for the treatment of iron ores. 2,973,260, 2–28–61, Cl. 75—40.

Noik, Simon P., to Schlumberger Overseas S.A. Arrangement for measuring the amount of water suspended in oil. 3,009,095, 11–14–61, Cl. 324—30.

Noir, Rene, to Indufi S.A. de Participations. Mechanical members connected to form an electrical circuit. 3,002,126, 9–26–61, Cl. 315—58.

Noise Control of Seattle, Inc.: *See*—
Grimn, Robert J. 3,001,616.

Nojima, Takeo. Car wheels. 2,979,360, 4–11–61, Cl. 295—44.

Nolan, Auldin D.: *See*—
Clifton, John R., Sr., and Nolan. 2,997,121.

Nolan, Auldin D., to Air Logistics Corp. Motor vehicle for supplying power for moving airplanes on the ground. 3,005,509. 10–24–61, Cl. 180—11.

Nolan Co., The: *See*—
Merritt, Glenn W. 2,994,283.

Noland, James A., to Sylvania Electric Products Inc. Signal transmission element and method of manufacturing same. 2,982,703. 5–2–61, Cl. 204—16.

Noland, Robert A., and D. E. Walker, to United States of America, Atomic Energy Commission. Bonding aluminum metals. 2,987,816. 6–13–61. Cl. 29—493.

Noland, Robert L., to Reinhold Engineering & Plastics Co., Inc. Reinforced thermoplastics. 3,002,534, 10–3–61, Cl. 138—141.

Noland, Wayne B., to Woodford Mfg. Co. Body supported table shelf. 3,009,613, 11–21–61, Cl. 224—25.

Nolde, Henry J. Buoyant boat construction. 2,999,254, 9–12–61, Cl. 9—3.

Nolden, William. Strainers. 2,979,209. 4–11–61, Cl. 210—435.

Nolder, Charles C., and L. Phillips, to Electronic Pianos, Inc. Piano capacitor reactor. 2,973,680, 3–7–61, Cl. 84—1.14.

Nolder, Nevin D.: *See*—
Wallace, James A., and Nolder. 2,975,013.

Nolen, John L., deceased: M. Nolen, executrix. Hand cart for a garbage can. 2,984,500, 5–16–61, Cl. 280—47.26.

Nolen, Mildred: *See*—
Nolen, John L. 2,984,500.

Nolet, Richard. Animal trap. 2,996,829, 8–22–61, Cl. 43—88.

Nolin, Charles J.: *See*—
Battey, Alexander J., and Nolin. 3,006,405.

Nolin, Earl W. Fishing apparatus. 2,970,400, 2–7–61, Cl. 43—17.

Nolitt, Harvey L. Flotation process for concentrating niobium-bearing minerals. 3,014,585, 12–26–61, Cl. 209—167.

Noll, Frank R., to International Telephone and Telegraph Corp. Transistor circuit having reverse base current supply means. 2,993,127, 7–18–61, Cl. 307—88.5.

Noll, George H., and M. A. Petko, to Wildman, Jacquard Co. Endless pattern controlling means for knitting machines. 3,012,426, 12–12–61, Cl. 66—154.

Noll, Hans: *See*—
Youngner, Julius S., and Noll. 2,981,658.

Noll, Heinrich A., and A. Neufeld, Grain milling machines. 2,986,348. 5–30–61, Cl. 241—222.

Noll, Henry D., to Houdry Process Corp. Hydrodesulfurization of selected gasoline fractions. 2,983,669, 5–9–61, Cl. 208—97

Noll, Henry D., to Houdry Process Corp. Reforming gasoline. 2,999,804, 9–12–61, Cl. 208—65.

Noll Mfg. Co.: *See*—
Akehurst, Kenneth S. 2,980,008.
Hatcher, Robert L. 2,985,091.

Noll, Walter: *See*
Schnurrbusch, Karl, Simmler, and Noll. 3,012,051.

Noll, Walter S.: *See*—
Christensen, Howard, and Noll. 3,012,920.

Nolle, Alfred W.: *See*—
Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,987,698.

Nolle, Alfred W., to United States of America, Navy. Method and apparatus for controlling the relative gains of a plurality of amplifiers. 2,997,668, 8–23–61, Cl. 333—2.

Nöller, Hans Georg, and W. Bächler, to E. Leybold's Nachfolger. High-vacuum diffusion pump. 2,977,041, 3–28–61, Cl. 230—101.

Noller, Harry F., to Smith-Corona Marchant, Inc. Adjustable fasteners. 2,973,981, 3–7–61, Cl. 287—101.

Nolt, Edwin B., to Sperry Rand Corp. Hay baler. 2,981,173, 4–25–61, Cl. 100—19.

Nolt, Edwin B., to Sperry Rand Corp. Tine mounting. 3,014,335, 12–26–61, Cl. 56—400.

Nolte, Albert C., Jr.: *See*—
Parker, Sydney R. 2,976,976.

Nolte, Albert C., Sr.: *See*—
Kruesi, Geoffrey G. Re. 25,064.
Kruesi, Geoffrey G. 3,007,162.

Nolter, George L., to Westinghouse Electric Corp. Battery contact assembly. 2,980,753, 4–18–61, Cl. 136—173.

Noly, Jean, to Etablissements F. Potain & Cie. Retractable auxiliary supporting devices for wheeled load-handling machines. 3,007,717, 11–7–61, Cl. 280—150.5.

Nomar, Louis N. Centrifugal air cleaner. 2,991,844, 7–11–61, Cl. 183—77.

Nomine, Gerard, to Les Laboratoires Francais de Chimiotherapie. Novel process for the preparation of A 16,17-dehydro substituted pregnane and intermediates therefor. 2,997,487. 8–22–61, Cl. 260—397.3.

Nomine, Gerard, L. Penasse, and P. Barthelemy, to UCLAF. Pure vitamin B_{12} and method of making same. 2,976,276. 3–21–61, Cl. 260—211.5.

Nomine, Gerard, L. Penasse, and P. Barthelemy, to UCLAF. Method of preparing pure vitamin B_{12} and intermediary obtained thereby. 2,984,651, 5–16–61, Cl. 260—211.5.

Nomine, Gerard, L. Penasse, and P. Barthelemy to UCLAF. Process of purifying heparin, and product produced therefrom. 2,989,438, 6–20–61, Cl. 167—74.

Nomine, Gerard, and D. Bertin, to Les Laboratoires Francais de Chimiotherapie. Process for the preparation of substituted pregnane diones. 3,007,949, 11–7–61, Cl. 260—397.45.

Nomura, Shigeki: *See*—
Takayanagi, Kenjiro, and Nomura. 3,009,025.
Tomonari, Tsukumo, and Nomura. 2,990,235.

Nonken, Gordon C.: *See*—
Blair, Lloyd S., and Nonken. 3,005,737.

Non-Linear Systems, Inc.: *See*—
Collison, William F. 2,972,978.

Nonnenmacher, Roger G.: *See*—
Gaussens, Pierre P. D., and Nonnenmacher. 2,988,698.

Noodleman, Samuel, to The B. A. Wesche Electric Co. Electromagnetic brake. 2,997,610, 8–22–61, Cl. 310—93.

Noonan, Charles B., to United Shoe Machinery Corp. Machines for shaping uppers over lasts. 3,000,023. 9–16–61. Cl. 12—7.6.

Noonan, Joseph D., and J. E. Loughlin, to Allied Chemical Corp. Dyeing of aluminum and/or aluminum alloys. 2,989,427, 6–20–61, Cl. 148—6.2.

Noone, George J.: *See*—
Norris, John S., Jr., and Noone. 2,985,511.

Noorlander, Daniel O.: *See*—
Schalm, Oscar W., and Noorlander. 2,998,392.

Noorlander, Daniel O. Teat cup inflation. 2,997,980, 8–29–61, Cl. 119—14.52.

Nopco Chemical Co.: *See*—
Auerbach, Bertram J., and Rogers. 2,990,380.
Beckmann, Charles O., Klein, and Griffith. 2,967,869.
Cunder, Joseph, and Licata. 2,972,590.
Cunder, Joseph, and Licata. 2,995,456.
Dombrow, Bernard A. 2,999,823.
Fetscher, Charles A., and Lipowski. 2,990,397.
Goldern, Fred H., Auerbach, and Rogers. 2,990,252.
Hochberg, Melvin, Ely, and Klein. 2,974,043.
Ihde, Frederick J., Jr. 2,967,828.
Kapp, Roland, and Griffith. 2,992,273.
Klein, Howard C., and Griffith. 2,976,298.
Klein, Howard C., and Kapp. 2,972,634.
Klein, Howard C., Kapp, and Griffith. 3,009,922.
Retzsch, Clinton E., Levy, and Lighthipe. 2,974,000.

Norbäck, Per G.; *See*—
Munters, Carl G., and Norbäck. 2,993,563.

Norbäck, Per Gunnar. Air conditioning method and apparatus. 2,968,165, 1–17–61, Cl. 62—94.

Norberg, Donald A.: *See*—
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Hedenskoog, Ernest, Norberg, and Johnson. 2,991,078.

Norbom, Ragnar A., to National Car Co. Apparatus for mounting railway freight containers. 2,985,117, 5–23–61, Cl. 105—366.

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Wojan, Clifford A. 3,000,292.

Norby, Harold A.: *See*—
Lehan, Frank W., and Norby. 2,998,516.

Norcross, Austin S. Automatic irrigation aystem. 2,991,938, 7–11–61. Cl. 239—64.

Norcross, Geoffrey: *See*—
Lamb, Sidney A., Smith, and Norcross. 2,991,232.

Nord Aviation Societe Nationale de Constructions Aeronautiques: *See*—
Foulon, Yvon. 3,004,388.
Pichon, Louis C. B. 2,981,483.

Nord, Jay M., to Minneapolis-Honeywell Regulator Co. Damping apparatus. 2,983,151, 5–9–61. Cl. 74—5.5.

Nord Photocopy and Electronics Corp.: *See*—
Kron, Eugene, and Glasgow. 2,989,913.

Norda Essential Oil and Chemical Co.: *See*—
Tracy, Ralph L. 2,968,591.

Nordberg Mfg. Co.: *See*—
Becker, George D., and Lowe. 2,977,809.
Becker, George D., and Lowe 2,994,431.
Chapman, Everett. 2,970,775.
Cheyette, David A. 2,970,783.
Jackson, Willard C., and Ruehmer. 2,982,062.
Kelgard, Erik. 2,994,187.
Klyce, David J. 2,970,694.
Lieberherr, Hans U. 2,977,943.
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Nordell, Carl H. Rag catcher. 2,978,106, 4–4–61, Cl. 210—173.

Norden, Alexander R., to Federal Pacific Electric Co. Selective switches. 2,991,343, 7–4–61, Cl. 200—153.

Norden, Alexander R., to Federal Pacific Electric Co. Low-rated circuit breakers. 3,004,122, 10–10–61, Cl. 200—116.

Norden, Carl J., Jr., and C. W. Gray, to Norden Laboratories, Inc. Method of producing swine erysipelas vaccine. 2,980,586, 4–18–61, Cl. 167—78.

Norden Laboratories, Inc.: *See*—
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Nordengren, Rolf G. J., to AB. Kemishka Patenter. Production of ortophosphoric acid. 3,003,852, 10–10–61, Cl. 23—165.

Nordgren, Arnold W., to The Bendix Corp. Mounting for friction segments in brake or clutch devices. 2,993,578, 7–25–61, Cl. 192—107.

Nordgren, Simon N. Slidable side jaw wrench. 2,970,502, 2–7–61, Cl. 81—126.

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Backer, Stanley, and Nordhammer. 2,972,795.

Nordheim, James E., and S. A. Fronek, to Crucible Steel Co. of America. Pack rolling. 2,985,945, 5–30–61, Cl. 29—19.

Nordheim, Lothar W., and E. P. Wigner, to United States of America, Atomic Energy Commission. Means for controlling reactions. 2,990,355, 6–27–61, Cl. 204—193.2.

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Nordin, Robert W., to Teletype Corp. Motor control. 2,980,759, 4–18–61, Cl. 178—4.1.

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Nordling, Selma. Hoods. 2,970,318, 2–7–61, Cl. 2—203.

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Nordquist, Ronald E. J., to American Can Co. Can opener. 3,006,070, 10–31–61, Cl. 30—4.

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Norland, Daniel O. Rotary lawn sprinkler. 2,992,780, 7–18–61, Cl. 239—231.

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Norlin, Francis E., to Borg-Warner Corp. Piston pumps. 3,004,492, 10–17–61, Cl. 103—37.

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Kessel, Alvan A., and Norman. 2,997,527.
Kessel, Alvan A., and Norman. 2,997,528.

Norman, William N. Matching element for sectional furniture. 2,996,770, 8–22–61, Cl. 20—74.

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Norris, Edward O. Centrifugal spraying device. 2,967,669, 1–10–61, Cl. 239—219.

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Norris, Robert S. Fuel oil additive to reduce corrosion and deposits. 3,002,826, 10–3–61, Cl. 44—51.

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Norseen, Dale G. Foldable utility chair. 2,978,012, 4–4–61, Cl. 155—149.

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North, John D., to Boulton Paul Aircraft Ltd. Fluid-flow control valve. 3,004,749, 10–17–61, Cl. 251—309.

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De Nicolo, William V. 2,970,315.

North, Oliver S. Method for forming filter cigarettes. 2,996,065, 8–15–61, Cl. 131—10.

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Abbott, Wilton R. 2,994,075.
Antista, Bart A. 3,013,162.
Antoniades, Arthur J., and Bigelow. 2,976,066.
Armanini, Edward N. 2,976,427.
Ashby, Robert M., and Marsh. 3,014,214.
Atwood, John L., Cannon, Johnson, and Andrew. 2,985,409.
Beem, Donald W., and Conrad. 2,970,793.
Binstock, Martin H. 3,004,906.
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Bogert, Robert C. 2,987,878.
Bower, John L. 2,988,681.
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Boyer, Myron H. 2,981,616.
Brooks, Frederick P., Jr. 2,981,020.
Brown, Sanford W. 2,992,292.
Burns, Maurice R. 2,976,489.
Buxton, Elliott R., and Sargent. 2,987,048.
Campbell, Mark E., and O'Brien. 2,976,618.
Campbell, Mark E., O'Brien, and Pentecost. 2,972,195.
Case, Robert O., Jr. 2,968,010.
Chiapuzio, Anton, Jr., and Shaw. 2,994,062.
Clark, Eugene V., Jr. 2,987,488.
Coleman, Daniel B. 2,968,923.
De Mott, Dale H., Higley, and Grant. 2,994,877.
Denniston, James L. 2,996,047.
Denniston, James L. 3,011,741.
Dorsman, Adrian K. 2,994,840.
Eckerle, Harry F., Jr., and Radcliffe. 2,967,993.
Eno, Robert F., Swett, Goode, Mooney, and Eckerle. 2,967,989.
Evans, Walter R. 2,996,631.
Eyestone, Shirley F. 2,974,868.
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Fairbanks, Avard F., and Wolfe. 3,004,169.
Fosness, John P. 3,001,742.
Freebairn, Darwin L., and Slater. 2,999,391.
Freebairn, Darwin L., Jr., and Acterman. 2,978,913.
Ganahl, Joseph F. 2,975,632.
Gardner, Frederick H. 3,002,382.
Gehrkens, George R., and Compton. 2,977,853.
Gerhard, Francis H. 3,003,122.
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Hall, Lester G. 2,988,809.
Harrison, James R. 3,012,130.
Hart, William E. 2,982,180.
Heisley, Charles W., Jr. 2,983,331.
Higa, Walter H. 2,968,031.
Himler, Gary J., and Mitchell. 2,972,113.
Hoskinson, Eugene A. 2,981,850.
Hovda, Robert E. 2,973,513.
Hunter, William C., Jr., Mower, Sutton, Morris, and Newton. 2,984,968.
Husted, Hoyt L., and Miller. 3,015,064.
Kanarek, Irving A. 2,968,145.
Katz, Irving, Wilson, and Jenkins. 2,970,971.
Kerber, Stanley M., Randall, and Zemke. 2,980,911.
Kerstner, Otto S. 3,014,594.
Klees, George N. 2,984,779.
Lekas, John P., and Kilpatrick. 3,005,646.
Loewe, Richard T. 2,967,949.
McGrath, Thomas F., and Sessler. 3,006,978.
Melill, Joseph, Muser, and Hall. 3,011,254.
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Monerieff-Yeates, Alexander J., and Yetter. 2,987,275.
Obenberger, Wallace J., and Burgi. 2,970,252.
Oppenheim, Thomas N. 2,973,978.
Ostergren, Ralph H. 2,967,246.
Perkins, Kenneth L., Palmer, and Ausman. 3,005,348.
Pierson, George R. 2,991,415.
Pryga, Stanley A. 2,967,900.
Reeves, Pierce E. 2,968,009.
Richardson, John D., and Stephenson. 2,987,277.
Rogers, Otis C., Jr. 2,998,212.
Rubin, Martin. 3,002,112.
Schulze, Theodore J. 2,991,427.
Schwacha, Billie G. 2,985,050.
Scully, Charles N., and Castelfranco. 3,014,353.
Shaw, Hubert R. 2,979,717.
Shelley, Rulon G. 2,979,711.
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Silverman, Louis, Sallach, and Seltz. 2,978,399.
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Slater, John M. 2,986,944.
Slater, John M., Perkins, Crowley, Hallman, Benson, and Sautogrossi. 2,995,937.
Smith, Charles R. F., and Reed. 2,988,322.
Steinman, Wilbert H., and White. 2,968,019.
Steinmetz, John C. 2,971,792.
Studhalter, Walter R., Miller, and Bergreen. 2,979,897.
Sulkin, Maurice A., Campbell, and Young. 2,969,939.
Sutton, George P., Albanese, Conyers, Pion, and Isaacs. 2,968,245.
Thomas, James L. 3,005,147.
Triman, Eugene L. 2,979,843.
Trimmer, Howard D. 3,008,094.
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Wilcox, Doyle E., and Mehm. 3,001,093.
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Archer, John, and Carcasson. 2,991,394.
Ashman, Charles S., James, and Stockford. 2,975,358.
Bayfield, William A. 2,976,421.
Beale, Julian R. A., and Beer. 2,980,983.
Beranger, Raymond. 2,970,761.
Beukema, Willem, Bruijning, and Vuurmans. 2,999,302.
Birkbeck, Guy, and Brown. 2,972,264.
Blok, Lourens, De Ruiter, Sytsma, and Zwanenburg. 2,979,669.
Blok, Lourens, and Zwanenburg. 2,971,167.
Bock, Heinz. 2,995,651.
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Bralcks, Johan W. 3,001,012.
Breimer, Hendrik. 2,975,232.
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Brown, Thomas H. 3,012,205.
Bugel, Roelof D. 2,989,432.
Bugel, Roelof D. 3,004,411.
Coe, Thomas, and Bakker. 3,010,863.
Coeterier, Frederik. 2,973,446.
Cluwen, Johannes M. 2,986,656.
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Cook, Jeremy D. 2,967,935.
Crowther, Gerald O. 2,975,372.
Cupido, Piet M., and van Gerwen. 2,986,935.
Daams, Jasper, Koopman, and Schoot. 2,978,310.
Danker, Berend. 2,991,359.
De Bruijn, Hendrik E. 2,967,226.
De Gier, Nico A. 2,967,945.
De Graaf, Wilhelmus P., and Ouweltjes. 3,014,875.
De Haan, Edward F. 2,967,972.
Deimel, Ernst. 2,988,659.
De Jager, Frank, and Klute. 3,003,037.
De Jager, Frank, and Van Gerwen. 2,995,707.
De Koker, Willy P., and De Vleminck. 2,979,567.
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De Miranda, Heine A. R., Tulp, and Zwijsen. 2,991,374.
De Quant, Hans. 3,001,149.
De Troye, Nicolaas C. 2,975,302.
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Diemer, Gesinus, Van Santen, Duinker, and Schoenmakers. 2,967,266.
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Dorjee, Hendrik. 2,967,218.
Dros, Albert A., Roozendaal, van der Laan, Palthe, and Hellingman. 3,004,408.
Dubbelman, Adriaan A. 2,967,982.
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Duran, Johannes C., and Bakker. 2,988,665.
Duran, Johannes C., and Krijboider. 3,007,292.
Espersen, George A. 2,972,080.
Figdor, Hans, Kindl, Maiwald, Schager, and Zecha. 2,986,042
Fine, Samuel, and Hendee. 2,982,814.
Forster, Gerhard. 3,003,027.
Francken, Jan C. 2,991,393.
Francois, Marcel P. A. 3,002,824.
Geldermans, Pieter, Van den Ban, and Holthaus. 2,988,508.
Gorter, Evert W., Esveldt, and Van Der Heide. 2,985,591.
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Greefkes, Johannes A. 3,003,036.
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Groendijk, Hendrik, Versnel, and De Wit. 3,003,078.
Grosser, Hermann K. M. 2,968,029.
Grosser, Hermann K. M., and Spoon. 3,007,998.
Haaijman, Pieter W., Janssen, and Van der Linden. 3,006,783.
Heetman, Alphonsus, Hormann, and Schmitz. 3,012,151.
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Hendee, Charles F. 3,008,053.
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Hoekstra, Age H. 2,975,143.
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Hokkeling, Pieter, and Koch. 3,006,045.
Hugenholtz, Eduard H. 2,995,669.
Huisman, Henderikus O., Uhlenbroek, and Koopmans. 3,014,837.
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Klasens, Hendrik A., Diemer, and Stap. 2,999,942.
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Kleinpenning, Johannus L. 2,967,081.
Kleis, Derk. 3,012,104.
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Klinkhamer, Jacob F. 2,982,820.
Klopfer, Anton M., and Ernrich. 2,988,657.
Knol, Kornelis S., and van de Weg. 3,001,146.
Koelmans, Hein, and Verhagen. 3,014,878.
Koets, Augustinus A. A. M., van Amstel, and Haaijman. 2,998,554.
Kohler, Thomas R. 2,999,937.
Koolhof, Regnerus A. 3,001,085.
Kopplus, Otto G. 3,010,826.
Korver, Jan A. C., and Janssen. 2,995,654.
Kotte, Jan J. 3,011,393.
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Kuipers, Minne, and van der Poel. 2,973,449.
Le Blan, Louis. 2,975,234.
Lely, Jan A., and Bos. 3,014,815.
Le Poole, Jan B. 2,986,634.
Levi, Roberto. 2,972,078.
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Lindgren, Nils K. 2,982,554.
Lips, Theodoor M. A., Verhoeff, and Vervest. 2,994,227.
Marchand, Jean F. 2,967,950.
Marchand, Jean F. 2,979,701.
Meewezen, Willem D. 2,979,672.
Meijer, Barend M. 2,992,343.
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Melse, Jan L., and Baeyens. 3,014,817.
Meyering, Jan L. 2,973,571.
Morgan, Leonard P. 2,991,373.
Morphett, Ian R. 3,012,201.
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Overeem, Jan C., and Bijloo. 2,986,493.
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Pocock, Sydney N. 3,008,051.
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Posthumus, Klaas. 3,003,031.
Pritchard, John, and Brookes. 2,998,556.
Rich, John E. 3,002,802.
Rijckaert, Frans. 2,988,684.
Robinson, Norman W. 2,986,037.
Robinson, Preston, and Sommer. 3,002,930.
Roovers, Wilhelmus A. 2,975,928.
Schagen, Pieter, and Calder. 2,999,957.
Schagen, Pieter, and Manley. 2,986,673.
Schayes, Raymond G. 2,979,665.
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Schenkel, Gerrit. 2,994,745.
Schmidt, Wolfgang, and Schuhmann. 2,977,503.
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Scholten, Jacob W. 2,967,992.
Schoot, Cornelis J., Klaassens, and Ponjee. 2,996,514.
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Suhrmann, Robert. 2,979,661.
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Tulp, Theodorus J. 3,001,089.
Tulp, Theodorus J. 3,001,090.
Turnbull, Andrew A. 2,978,389.
Van Amstel, Johannes J. A. P. 2,998,557.
Van Amstel, Johannes J. A. P. 3,002,864.
Van Barneveld, Evert J. 2,995,681.
Van Berkel, Bernardus P. J. 3,008,006.
Van de Goor, Johannes A., Hinkel, and Lemmens. 2,988,666.
Van den Blink, Willem P., and Bertin. 2,985,744.
Van der Burgt, Cornelis M. 2,991,400.
Van der Burgt, Cornelis M., and Gugelot. 2,986,523.
Van der Hoek, Willem. 2,992,792.
Van der Sanden, H. C. N., and Veenendaal. 3,005,266.
Van Der Ster, Johannes. 2,999,363.
Van der Willigen, Paul C., and Essers. 3,004,874.
Van Houten, Jan C. 2,985,910.
Van Lottum, Johannes T. A., Domburg, and Verkruissen. 3,008,009.
Van Overbeek, Adrianus J. W. M., and de Miranda. 3,001,077.
Van Overbeek, Adrianus J. W. M., Stieltjes, Jochems, Ensink, Verhagen, and Tummers. 3,008,091.
Van Rooij, Adrianus F. M. 2,991,673.
Van Santen, Johannes G., and Diemer. 2,972,076.
Van Tongerloo, Frans. 2,974,308.
Van Weenen, Franciscus L. 2,995,063.
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North American Philips Co., Inc.: *See*—Continued
Vervest, Wilhelmus L., Lips, and Dobbie. 2,972,258.
Vervest, Wilhelmus L., and Waarle. 2,974,981.
Walop, Jacobus N., Jacobs, and de Bock. 2,989,435.
Westmijze, Willem K. 2,981,871.
Willems, Ebertus, and van Oberbeek. 2,986,648.
Willemse, Theo W. 2,971,251.
Willemse, Theo W. 2,981,876.
Willemse, Theo W., and Manintveld. 2,990,502.
Wilting, Johannes J., and Hehenkamp. 3,008,068.
Wolfendale, Eric. 2,986,650.
Wolfendale, Eric. 2,991,424.
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Northcote, John A., and J. Kulak, to John Deere Plow Co. (Ltd.). Rotary mower. 2,994,174, 8–1–61, Cl. 56—25.4.
Northcote, Reginald D., to Orr & Sembower Inc. Pulverised fuel burner. 2,973,727, 3–7–61, Cl. 110—28.
Northcott, Roy P., and R. Lester, to The British Petroleum Co. Ltd. Removal of vanadium and/or sodium from petroleum hydrocarbons. 2,970,957, 2–7–61, Cl. 208—251.
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Hill, Bernard M. 3,006,452.
Ross, Alexander. 2,985,708.
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Nunn, Ewing D. 3,014,209.
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Borg, Sune E. 2,995,940.
Bowman, Eldon L. 2,981,612.
Elliott, Carl E. 2,973,073.
Greayer, Wesley C. 3,001,393.
Grill, Raymond E. 2,973,164.
Jackson, Thirston H., Jr. 2,972,812.
Kaufold, Leroy, and Cox. 2,981,842.
Kaufold, Leroy, and Getz. 2,968,735.
Koning, Menno G. 3,010,326.
Machlis, Jerome, and Hatchett. 3,012,242.
Monbeck, Wayne E., and Martz. 2,968,705.
Morser, Calvin S., Maloney, and Benoit. 2,998,999.
Morser, Calvin S., Maloney, and Benoit. 3,005,666.
Myers, Samuel A. 2,973,013.
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Painchaud, Phillip A. 2,972,929.
Sandefur, Douglas M. 2,987,355.
Smith, Everett D. 2,992,482.
Steele, Floyd G. 2,993,161.
Steen, Douglas. 2,966,802.
Taylor, Philip H. 3,001,437.
Towner, George H., Fairris, and Jackson. 2,994,813.
Trimble, Richard H. 2,966,823.
Wheldon, Wilbert G. 2,992,796.
Wolfe, John E. 3,012,210.
Northrop, John K. Lightweight golf-club carrier. 2,989,319, 6–20–61, Cl. 280—47.26.
Northrup, Doyle L., and E. R. Haberland, to United States of America, Navy. Apparatus for detecting the wake of a vessel. 3,005,974, 10–24–61, Cl. 340—4.
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Tippett, George B. 3,001,655.
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Rice, Maurice A. 2,994,612.
Northup, Wilmer R., and T. W. Kaylor. Fishing lures. 2,999,331, 9–12–61, Cl. 43—42.46.
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Norton, Augustus T., Jr., to High Voltage Engineering Corp Spot-size camera. 3,013,157, 12–12–61, Cl. 250—105.
Norton, Charlie L., and R. V. Cochran, to Dan River Mills, Inc. Adjustments for textile card calender rolls. 2,990,586, 7–4–61, Cl. 19—159.
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Backer, William R. 2,975,566.
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Cooper, James G. R. 3,006,332.
Curtis, Fred L. 2,984,555.
Duke, Bruce W. 2,983,393.
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Ervin, Guy, Jr., and Ueltz. 3,002,906.
Fournier, Roger H. 3,006,118.
Hansen, Lester A., Baker, and Keyes. 2,970,920.
Haven, Edward S., and Brooks. 2,978,845.
Hill, Olva E. 3,000,150.
Manchester, Randall S., and Corrigan. 3,014,318.
Mueller, Josef C., Jr. 2,984,052.
Olton, Dirck J. 3,014,319.
Quinan, James R., and Sprague. 3,011,882.
Schacht, Elmer C. 2,997,819.
Van Acker, Joseph E. 2,988,964.
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Wheildon, William M., Jr. 3,006,782.
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Norton, Frederick H., to American Optical Co. Method of making fiber optical components. 2,992,516, 7–18–61, Cl. 49—79.
Norton, Frederick H., to The Dow Chemical Co. N-substituted isoindoles. 3,007,939, 11–7–61, Cl. 260—319.
Norton, Frederick H., and A. C. Young, to The Dow Chemical Co. Method of preparation of p-isopropyl-α-methylbenzyl alcohol. 2,971,986, 2–14–61, Cl. 260—618.
Norton, Harold F. Cultivator attachment for lawn mowers. 3,007,532. 11–7–61, Cl. 172—640.
Norton, Henry, H. V., L. B., and D. E., to Norton Tool Co. Ltd. Control units for hydraulic rams. 2,980,064, 4–18–61, Cl. 121—38.
Norton, Henry, H. V., L. B., and D. E., to Norton Tool Co. Ltd. Hydraulic rams. 2,983,552, 5–9–61, Cl. 308—3.
Norton, Hubert V.: *See*—
Norton, Henry, H. V., L. B., and D. E. 2,980,064.
Norton, Henry, H. V., L. B., and D. E. 2,983,552.
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Buschmann, Erwin C., and Norton. 3,005,098.
Norton, James F., to Republic Mfg. Co. Solenoid valve device with balanced movable components. 2,969,090, 1–24–61, Cl. 137—624.
Norton, James F., to General Electric Co. Information storage system. 2,985,868, 5–23–61, Cl. 340—173.
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Norton, James H., and L. W. Sproule, to Esso Research and Engineering Co. Finely divided metal salts as anti-oxidants for oils and greases. 3,000,819, 9–19–61, Cl. 252—25.
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Norton, James P., and W. F. Daley, to Hughes Aircraft Co. Perforated tape reader. 3,002,681, 10–3–61, Cl. 235—61.11.
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Norton, Leslie B.: *See*—
Norton, Henry, H. V., L. B., and D. E. 2,980,064.
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Norwich, Alan, to Industrial Nucleonics Corp. Classifying apparatus. 2,999,589, 9–12–61, Cl. 209—82.
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Gever, Gabriel. 2,980,704.
Gever, Gabriel, and Michels. 3,012,032.
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Hayes, Kenyon J., and Michels. 2,976,300.
Norwood, Donald W. Light meter device. 2,972,930, 2–28–61, Cl. 88—23.
Norwood, Donald W. Device with three dimensional light collector. 2,983,186, 5–9–61, Cl. 88—23.
Norwood, Samuel L.: *See*—
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Vogel, Harold A. 3,011,227.
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Reerink, Wilhelm, Muschenborn, and Notzold. 3,001,856.
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Novak, Leo J., to Union Carbide Corp. Gas plating of inert compounds on quartz crucibles. 2,989,421, 6–20–61, Cl. 117—106.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Carboxymethyl benzyl dextran. 2,989,518, 6–20–61, Cl. 260—209.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Anti-static material and method of application. 2,990,299, 6–27–61, Cl. 117—139.5.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Resinous composition prepared by reacting a dextron modified polyester with naphthalene diisocyanate and method of making same. 2,993,015, 7–18–61, Cl. 260—9.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Method of making a composition of sodium carboxymethyl dextran and an antibiotic. 2,997,423, 8–22–61, Cl. 167—82.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Apparatus for heat treatment of septic tank liquid effluent. 2,998,139, 8–29–61, Cl. 210—97.
Novak, Leo J., to The Commonwealth Engineering Co. of Ohio. Preparation of carboxymethyl dextran-iron complexes. 3,000,872, 9–19–61, Cl. 260—209.
Novak, Leo J., and E. E. Witt, to The Commonwealth Engineering Co. of Ohio. Method of producing clinical dextrane. 2,972,567, 2–21–61, Cl. 195—31.
Novak, Leo J., and E. E. Witt, to The Commonwealth Engineering Co. of Ohio. Product and method for producing clinical dextran including ionizable calcium. 2,988,482, 6–13–61, Cl. 167—78.
Novak, Stanley, and G. L. Glaeser, Jr. Poppet valve and mounting. 2,995,148, 8–8–61, Cl. 137—493.4.
Novak, Theodore F., to Danly Machine Specialties, Inc. High pressure hydraulic piercing cylinder with integral booster and stripping means. 2,986,057, 5–30–61, Cl. 83—133.

Novak, Warren D.: *See*—
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Novel, Fred I.: *See*—
Ostrow, Barnet D., and Novel. 2,967,135.
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Novelo, John. Concrete tie rod. 2,980,979, 4–25–61, Cl. 25—131.
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Novi Equipment Co.: *See*—
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Novick, Abraham, to F. L. Smithe Machine Co., Inc. Envelope patch applier. 2,986,976, 6–6–61, Cl. 93—61.
Novick, Abraham, to F. L. Smithe Machine Co., Inc. Viscous liquid applicator. 3,001,505, 9–26–61, Cl. 118—212.
Novick, Abraham, to F. L. Smithe Machine Co., Inc. Envelope making machinery. 3,009,558, 11–21–61, Cl. 198—20.
Novick, Abraham, to F. L. Smithe Machine Co., Inc. Envelope making machinery. 3,012,774, 12–12–61, Cl. 271—37.
Novick, Abraham, to F. L. Smithe Machine Co., Inc. Coating apparatus. 3,013,527, 12–19–61, Cl. 118—262.
Novick, Jack. Self stacking cans. 2,978,142, 4–4–61, Cl. 220—97.
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Krygowski, Joseph. 3,012,641.
Lowther, Wilfred W. 3,006,437.
Lowther, Wilfred W. 3,013,629.
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Schneider, Marvin. 3,013,497.
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Spicer, John J., Jr. 2,977,435.
Novo Terapeutish Laboratorium A/S: *See*—
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Novotech Anstalt: *See*—
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Van der Willigen, Paul C., and Troelstra. 2,983,330.
Van Doorn, Adriaan G. 2,982,874.
Van Iperen, Bernardus B. 2,983,840.
Van Overbeek, Adrianus J. W. M., and Stiltjes. 2,982,918.
Novotney, Frank A., to Anthony Co. Power operated tail gate. 3,011,664, 12–5–61, Cl. 214—75.
Novotný, Josef, J. Olivík, and J. Zbořilek, to Svit, narodni podnik. Machine for attaching shoe soles to vamps. 2,987,738, 6–13–61, Cl. 12—33.2.
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Nowak, Eugene J. Cut-off guide and mitre jig for storm window and screen stock. 2,967,053, 1–3–61, Cl. 269—128.
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Nowicke, Frank J. Electrode holder. 2,977,459, 3–28–61, Cl. 219—141.
Nowicki, Henry F., to James Lees and Sons Co. Dual yarn pile fabric. 2,985,942, 5–30–61, Cl. 28—78.
Nowicki, Henry F., to James Lees and Sons Co. Pile fabric. 2,997,075, 8–22–61, Cl. 139—402.
Nowicki, Henry F., F. Quinnell, and J. E. Smith, to James Lees and Sons Co. Industrial apparatus. 2,990,792, 7–4–61, Cl. 112—79.
Nowicki, Henry F., and H. J. Smiley, to James Lees and Sons Co. Pile fabric and method. 3,004,564, 10–17–61, Cl. 139—406.
Nowicki, Witold. Advertisement screens. 2,978,822, 4–11–61, Cl. 40—65.
Nowlin, Gene, and H. D. Lyons, to Phillips Petroleum Co. Process and catalyst for polymerization of olefins. 2,969,408, 1–24–61, Cl. 260—683.15.
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Noxon, Paul A., J. E. Taylor, and J. Jarvis, to The Bendix Corp. Aircraft control system. 3,002,713, 10–3–61, Cl. 244—77.
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Noyce, Robert N., to Fairchild Semiconductor Corp. Semiconductor switching device 2,971,139, 2–7–61, Cl. 317—235.
Noyce, Robert N., to Fairchild Semiconductor Corp. Semiconductor device-and-lead structure. 2,981,877, 4–25–61, Cl. 317—235.
Noyce, Robert N., to Clevite Corp. Field effect transistor. 3,010,033, 11–21–61, Cl. 307—88.5.
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North, Gerald C., Noznick, and Stiritz. 2,997,396.
NuArc Co., Inc.: *See*—
Benson, Harold R. 2,999,419.
Nubel, Robert C., to Chas. Pfizer & Co., Inc. Amino acid and process. 2,968,594, 1–17–61, Cl. 195—47.
Nuclear-Chicago Corp.: *See*—
Carver, Robert L. 2,999,164.
Fox, Stewart A. 2,998,528.
Scott, Benjamin F. 2,987,623.
Shevick, Philip, Needer, and Rappa. 2,998,527.
Nuclear Corp. of America, Inc.: *See*—
Bernstein, Bernard, and Wheeler. 3,008,063.
Nuclear Development Corp. of America: *See*—
Goertzel, Gerald. 2,982,473.
Nuclear Research Corp.: *See*—
Cherry, Norman H. 3,008,049.
Nucleonics Corp.: *See*—
White, Ralph E. 2,995,661.
Nucom Ltd.: *See*—
McLaughlin, George H., Harvey, Cartier, and Robinson. 3,015,060.
Nudelman, Harvey B.: *See*—
Metcalfe, Arthur G., and Nudelman. 2,971,865.
Nu Era Wood Products, Inc.: *See*—
Pagliaro, Paul, and Friedman. 3,001,822.
Nuffer, Harold D., to United States of America, Navy. Variable safe separation timer. 2,990,507, 6–27–61, Cl. 322—3.
Nuffer, Orville P.: *See*—
Barton, Raymond W., and Nuffer. 3,003,500.
Nugent, Archie J. Self-propelled irrigation sprinkler. 3,009,645, 11–21–61, Cl. 239—179.
Nugent, John A.: *See*—
Walker, Watson F., and Nugent. 2,988,704.
Nugey, Anthony J., and A. L. Self-gelatinizing starch bearing grains and method of producing same. 2,970,054, 1–31–61, Cl. 99—51.
Nugey, Anthony L.: *See*—
Nugey, Anthony J., and A. L. 2,970,054.
Nuhn, Lewis J., to McGraw-Edison Co. Acid-gas absorbent. 2,997,445, 8–22–61, Cl. 252—192.
Nu-Lift Co., Inc.: *See*—
Moellendorf, Riz. 2,981,258.
Null, Fay E. High speed far infra-red detector and heat seeking control for guided missiles. 2,986,637, 5–30–61, Cl. 250—83.3.
Null, Fay E., and W. D. Adams. Infra-red-sensitive mosaic. 2,999,177, 9–5–61, Cl. 313—66.
Null, Myron R.: *See*—
Lozier, William W., and Null. 3,001,055.
Nulton, John H., Jr., and J. R. Shoaf, II, to Radio Corp. of America. Balance indicator for stereophonic sound systems. 2,980,766, 4–18–61, Cl. 179—1.
Nummy, William R.: *See*—
Raley, Charles F., Jr., and Nummy. 3,004,935.
Stillo, Horatio S., Kolat, and Nummy. 2,981,692.
Nunes, John L. Massage table with hydraulically controlled roller. 3,003,497, 10–10–61, Cl. 128—57.
Nunez, Peter, Jr. Gauge device for extrusion gate means. 3,003,245, 10–10–61, Cl. 33—180.

Nunley, William: *See*—
Allen, Chester C. and Nunley. 2,993,818.

Nunn, Ewing D., to Northern Signal Co., Inc. Flashing barricade light. 3,014,209, 12–19–61, Cl. 340—331.

Nunn, Francis A., to The Plessey Co. Ltd. Apparatus for making electrical capacitors. 3,013,140, 12–12–61, Cl. 219—19.

Nunn, George: *See*—
Trowbridge, David R., Moss, and Nunn. 2,988,327.

Nunn, Leslie G., Jr., to General Aniline & Film Corp. Surface active compositions. 3,004,057, 10–10–61, Cl. 260—461.

Nunn, Leslie G., Jr., and S. H. Hesse, to General Aniline & Film Corp. Surface active compositions. 3,004,056, 10–10–61, Cl. 260—461.

Nunn, Roland C., to Esso Research and Engineering Co. Improved diesel lubricants. 3,007,869, 11–7–61, Cl. 252—33.4.

Nunnally, Joe F. Business machine carriage. 3,014,772, 12–26–61, Cl. 311—17.

Nunnemacher, Hermann A., to Galland-Henning Mfg. Co. Fluid pressure cylinder. 3,005,669, 10–24–61, Cl. 309—2.

Nu-Plastics, Inc.: *See*—
Rhodes, Philip H., and Broughton. 3,008,946.

Nurkiewicz, Ignatius, to Stop-Fire, Inc. Nozzle for fire extinguishers. 2,967,570, 1–10–61, Cl. 169—1.

Nurnberger Schwachstrom-Bauelemente Fabrik Gesellschaft mit beschrankter Haftung: *See*—
Rummer, Heribert. 2,995,657.

Nursmatic Corp.: *See*—
Witz, Henry W. 2,979,078.
Witz, Henry W. 2,996,207.

Nury, Fredoon S., and J. E. Hrekke, to United States of America, Agriculture. Apparatus and process for sorting raisins. 2,966,988, 1–3–61, Cl. 209—2.

Nury, Fredoon S., and W. F. Talburt, to United States of America, Agriculture. Sorting raisins by optical difference. 2,967,614, 1–10–61, Cl. 209—2.

Nusbaum, Daniel D., to L. D. Schreiber & Co., Inc. Cheese treatment. 2,980,542, 4–18–61, Cl. 99—178.

Nusbaum, Robert O. Convertible house-trailer. 2,992,037, 7–11–61, Cl. 296—23.

Nussbaum, Alexander L., to Schering Corp. 6a-fluoromethyl allopregnanes. 2,996,522, 8–15–61, Cl. 260—397.3.

Nussbaum, Alexander L., and E. P. Oliveto, to Schering Corp. 9,11-dihalo-5-pregnenes. 3,013,011, 12–12–61, Cl. 260—239.55.

Nussbaum, Alexander L., and E. P. Oliveto, to Schering Corp. Novel alkylated pregnadienes. 3,013,033, 12–12–61, Cl. 260—397.45.

Nussbaum, Eugene, to E. Frohlich, A.G. Harness frame. 2,981,293, 4–25–61, Cl. 139—91.

Nussbaum, Herbert H., to Miller Hydro Co. Apparatus for washing receptacles. 2,967,531, 1–10–61, Cl. 134—95.

Nussbaum, Herbert H., to Miller Hydro Co. Article handling apparatus. 3,014,574, 12–26–61, Cl. 198—81.

Nussbaum, Otto J., to Kramer Trenton Co. Means for and method of head pressure control in a compressor type heat exchange system. 2,972,236, 2–21–61, Cl. 62—176.

Nüsslein, Joseph, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of staple yarns by filament decomposition. 2,989,797, 6–27–61, Cl. 28—75.

Nüsslein, Joseph, and C. Kuch, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process of modifying polyethylene glycol terephthalate fabrics with guanidine or guanidine carbonate and optionally thiodiglycol or o-phenylphenol. 2,990,231, 6–27–61, Cl. 8—114.6.

Nussler, Ludwig: *See*—
Kruckenberg, Winfried, Nussler, Singer, and Kleiner. 2,972,508.

Nutone, Inc.: *See*—
Spear, Walter A. 3,001,056.
Spear, Walter A. 3,002,187.

Nutrena Mills, Inc.: *See*—
McDougall, James R. 2,968,873.

Nutrilite Products, Inc.: *See*—
Morse, Philip. 3,012,942.
Morse, Philip. 3,012,943.

Nutter, Benjamin P., and H. E. Metcalf, to Johnston Testers, Inc. Jar. 3,004,616, 10–17–61, Cl. 175—297.

Nutter, George H., and G. M. Wood, to United Aircraft Corp. Method of construction of three dimensional blading of arbitrary shape. 2,985,952, 5–30–61, Cl. 29—156.8.

Nuut, August: *See*—
Leighton, Thomas C., and Nuut. 3,004,464.

Nuut, August, to Northrop Corp. Disperston scanner. 3,002,097, 9–26–61, Cl. 250—203.

Nu-Way Corp.: *See*—
Reichelderfer, Charles A. 2,968,349.

Nu-Way Foundation: *See*—
James Lewis A. 2,972,434.

Nuyens, Augustinus F. H. J. M. Treatment by compression of fibro-cement wet sheet material and the like. 2,972,378, 2–21–61, Cl. 152—361.

Nybakke, Clifford R., to Oregon Nut Growers, Inc. Wheeled vehicle for dispensing flowable material. 2,975,940, 3–21–61, Cl. 222—177.

Nyberg, Bengt J., to Aktiebolaget Svenska Kullagerfabriken. Roller bearing. 2,989,353, 6–20–61, Cl. 308—212.

Nyberg, Folke P., to Mo och Domsjo Aktiebolag. Cellulose derivative compositions. 3,014,808, 12–26–61, Cl. 106—197.

Nyberg, James J., and A. D. Scarbrough, to Thompson Ramo Wooldridge Inc. Memory matrix control devices. 3,015,091, 12–26–61, Cl. 340—174.

Nyberg, John C., to Paramount Pictures Corp. Coinbox for subscription television. 2,966,980, 1–3–61, Cl. 194—1.

Nyberg, Sture, to Anstalt Europaische Handelagesellschaft. Encoding keying device. 3,006,081, 10–31–61, Cl. 35—3.

Nyborg, George L. Illuminated warning means. 2,997,573, 8–22–61, Cl. 240—8.18.

Nye, Anthony E. T., to The British Thomson-Houston Co. Ltd. Safety systems for nuclear reactors. 2,973,458, 2–28–61, Cl. 317—31.

Nye, Anthony E. T., to The British Thomson-Houston Co. Ltd. Protective equipment. 2,984,610, 5–16–61, Cl. 204—193.2.

Nye, Anthony E. T., to The British Thomson-Houston Co. Ltd. Protective equipment for a nuclear reactor. 2,988,494, 6–13–61, Cl. 204—193.2.

Nye, Bassett B.: *See*—
Garver, Clyde L., Kring, and Nye. 2,966,807.

Nye, Dudley D.: *See*—
Coles, Ralph V., Maltby, and Nye. 2,993,497.

Nye, Dudley D., Jr., to Robertshaw-Fulton Controls Co. Force to proportional movement transducer. 2,993,370, 7–25–61, Cl. 73—141.

Nye, John E.: *See*—
Meyer, John H., Nye, and Robison. 3,014,664.

Nye, Norman H., to Pen-Mac-Nye Co. Film perforating apparatus. 3,005,370, 10–24–61, Cl. 83—345.

Nye, Ralph A. Compressor and condenser for air, vapors or gases. 2,988,902, 6–20–61, Cl. 62—505.

Nye, Robert G., G. A. Brettell, Jr., and L. T. Apple, to United States of America, Navy. Group trainer for operators of echo-ranging equipment. 2,969,599, 1–31–61, Cl. 35—10.4.

Nye Tool Co.: *See*—
Halligan, Eugene P. 2,978,114.

Nye, William M., ½ to J. A. Fraser. Recording and reproducing system. 2,988,604, 6–13–61, Cl. 179—100.2.

Nyegaard & Co. A/S: *See*—
Laland, Per J., Moe Laland, and Dedichen. 2,985,561.

Nygaard, Edwin M., to Socony Mobil Oil Co., Inc. Alkenyl succinamic acid deicer. 2,982,634, 5–2–61, Cl. 44—71.

Nygaard, James L.: *See*—
Webster, Roger R., and Nygaard. 2,981,835.

Nygard, Halvor, and J. J. Verschuur, to North American Philips Co., Inc. Color television receiver demodulator. 3,003,024, 10-3-61, Cl. 176—5.4.

Nygard, John C.: *See*—
Kelliher, Maurice G., Nygard, Stiff, and Wilson. 2,993,143.

Nygard, John C., to High Voltage Engineering Corp. Acceleration tube for microwave linear accelerator having an integral magnet structure. 2,971,113, 2–7–61, Cl. 315—3.5.

Nygard, John C., to High Voltage Engineering Corp. Microwave linear accelerator. 2,992,357, 7–11–61, Cl. 315—5.42.

Nygard, John C., to High Voltage Engineering Corp. High-voltage generator. 3,014,170, 12–19–61, Cl. 321—15.

Nyitrai, Ernest S. Folding pocket hat holder. 2,994,437, 8–1–61, Cl. 211—30.

Nylo-Flex Products Co.: *See*—
Arnold, Donovan E., and Fabbri. 2,994,213.

Nylok Corp., The: *See*—
Beuter, Clyde R. 3,010,503.

Nylonge Corp.: *See*—
Pekarek, Frank. 2,989,775.

Nyman, Francis G.: *See*—
Root, Nathan, and Nyman. 2,977,697.

Nyquist, Börje S., to AB Rosenblads Patenter. Method for gas relief and blowing of digesters for cellulose. 2,996,423, 8–15–61, Cl. 162—52.

Nyquist, Frederick W.: *See*—
Blomstrand, John H., and Nyquist. 3,010,745.

Nyquist, Maurice A.: *See*—
Mengis, Albin J., Nyquist, and Vanderwoude. 2,986,975.

Nys, Jean M., and T. H. Ghys, to Gevaert Photo-Producten N.V. Sensitized photographic emulsions. 2,973,264, 2–28–61, Cl. 96—104.

Nys, Jean M., and T. H. Ghys, to Gevaert Photo-Producten N.V. Monomethine cyanine dyes and method for preparing them. 2,980,671, 4–18–61, Cl. 260—240.7.

Nys, Louis J. G.: *See*—
Kruithof, Jakob, Nys, and Donceel. 3,0001,022.

Nysted, Leonard N.: *See*—
Burtner, Robert R., and Nysted. 3,001,986.

Nysted, Leonard N., to G. D. Searle & Co. 3-oxygenated 17β-aminoalkanamidoandrost-4/5-enes, 5α-androstanes corresponding, and intermediates thereto. 3,001,988, 9–26–61, Cl. 260—239.55.

Nystrand, Ernst D., to Paper Converting Machine Co., Inc. Web winding apparatus. 2,995,314, 8–8–61, Cl. 242—64.

Nystrom, Axel C.: *See*—
Crosby, Charles H., Hicks, Nystrom, and Wahlberg. 2,981,049.

Nystrom, Axel C., L. O. Reichelt, D. V. Waters, and J. R. Weigel, to Western Electric Co., Inc. Cable-guiding mechanism for cable-stranding apparatus. 2,977,747, 4–4–61, Cl. 57—66.5.

Nystrom, Carl H.: *See*—
Humber, John N., and Nystrom. 2,989,041.

Nystrom, Carl H., and A. E. Huse, to American Bosch Arma Corp. Non-chattering flow divider valve. 2,969,085, 1-24-61, Cl. 137—514.7.

Nystrom, Harold M. Body support for binocular units. 2,990,089, 6-27-61, Cl. 224—5.

Nystrom, Herbert C., to Lockheed Aircraft Corp. Displacement type airfoil flap with boundary layer control. 3,009,668, 11-21-61, Cl. 244—42.

Nystrom, Karl F., to International Steel Co. Underframe with recoiling center sill. 2,973,102, 2-28-61, Cl. 2.3—8.

Nystrom, Karl F., to American Steel Foundries. Rotary coupler arrangement. 2,990,962, 7-4-61, Cl. 213—62.

Nystrōm, Karl G., to Aktiebolaget Nordpatent. Protective cabin for tractors. 2,969,255, 1-24-61, Cl. 296—102.

Nystuen, Marcus I., to Economics Laboratory, Inc. Printed circuit contact and mounting assembly. 3,003,131, 10-3-61, Cl. 339—17.

Nytronics, Inc.: *See*—
Sutton, Walter T., Jr. 3,014,190.

O.E.M. Corp.: *See*—
Smith, William H., Frohner, and Adolphson. 2,977,956.
Smith, William H., Frohner, and Adolphson. 3,000,376.

O. K. Rubber Welders, Inc.: *See*—
French, Elby E. 2,973,791.

O.K. Tool Co., Inc., The: *See*—
Fichter, Ludwig J. 2,979,969.
Williams, Thurston V. 2,977,696.
Williams, Thurston V. 3,011,370.

O & M Machine Co., Inc.: *See*—
Cornish, Harry E., Graef, Groebe, and Simpson. 2,969,702.

OP-AL Electric & Mfg. Co., Inc., The: *See*—
Hendricks, Ralph T. 3,009,750.

OPW Corp.: *See*—
Shepherd, Raymond P., and Guertin. 3,001,537.

O & S Research, Inc.: *See*—
Riggins, Frank O., Sanders, and Wright. 2,967,298.

Oace, Ralph J.: *See*—
Hansen, Paul E., and Oace. 2,976,646.

Oace, Ralph J., to Minnesota Mining and Mfg. Co. Manufacture of nonwoven fabrics. 3,014,263, 12-26-61, Cl. 28—72.

Oak Mfg. Co.: *See*—
Azelickis, Alexis N. 2,974,290.
Howell, Hugh A., and Jedd. 2,980,777.
Howell, Hugh A., and Jedd. 2,985,734.
Loverde, Lawrence V. 2,972,070.
Parisoe, Wilbert. 2,989,668.
Probasco, Harold T. 2,982,588.
Probasco, Harold T. 2,990,084.
Selbmann, Rudolf W. 2,986,632.
Silhavy, Raymond J. 2,972,093.
Williams, John H. 2,973,663.
Williams, John H. 2,973,664.
Williams, John H. 2,973,667.

Oak Mfg. Co., Inc.: *See*—
Probasco, Harold T. 3,010,607.
Weitzman, Norman G. 3,010,557.

Oakes, Billy D.: *See*—
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,862.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,863.
Monroe, Roger F., Lowes, Foster, and Oakes. 2,993,864.

Oakes, David T., to Monsanto Chemical Co. Low fluid loss well fracturing fluids. 2,988,505, 6-13-61, Cl. 252—8.55.

Oakes, E. T., Corp., The: *See*—
Oakes, Earle T. 3,000,618.

Oakes, E. Thomas: *See*—
Oakes, Earle T. 3,000,618.

Oakes, Earle T., deceased, by E. T. and M. R. Oakes, executors, to The E. T. Oakes Corp. Continuous mixer. 3,000,618, 9-19-61, Cl. 259—9.

Oakes, Francis: *See*—
Rozner, Felix, Oakes, and Corney. 2,982,921.

Oakes, George W. Electric plug. 2,987,692, 6-6-61, Cl. 339—74.

Oakes, George W. Electrical plug and ejecting device therefor. 3,008,115, 11-7-61, Cl. 339—45.

Oakes, Mabel R.: *See*—
Oakes, Earle T. 3,000,618.

Oakes, Marvin E., to Dover Corp. Truck leveler. 2,984,368, 5-16-61, Cl. 214—38.

Oakes, Merwin D., to Houdry Process Corp. Purification of triethylene diamine. 2,979,506, 4-11-61, Cl. 260—268.

Oakes, William S., to General Electric Co. Electron tube tapping apparatus. 2,978,635, 4-4-61, Cl. 324—20.

Oakes, William S., and S. C. Bristow, to General Electric Co. Transconductance test circuit. 2,973,473, 2-28-61, Cl. 324—26.

Oakes, William S., Jr., and S. S. Barnhart, Jr., to General Electric Co. Automatic testing circuit. 3,005,949, 10-24-61, Cl. 324—20.

Oakey, William E.: *See*—
Brown, Robinson W., and Oakey. 3,005,343.

Oakland Corp., The: *See*—
Wallace, Richard B., and Ebbert. 2,980,928.

Oakley, Gilbert F., to MacLean-Fogg Lock Nut Co. Anchor for lading straps and the like. 2,989,009, 6-20-61, Cl. 105—369.

Oakley, Howard T.: *See*—
Lippincott, Samuel B., Thomas, Oakley, Leary, and Brodkey. 2,976,271.
Riley, John B., and Oakley. 3,014,012.

Oakley, John G.: *See*—
Roeder, John, Jr., and Oakley. 2,970,450.

Oakley, Robert L.: *See*—
Fritz, Alfred G., Weber, and Oakley. 2,998,950.

Oakley, Robert L. Deployment system for parachutes. 2,981,505, 4-25-61, Cl. 244—149.

Oakley, Robert L. Free fall aerial delivery container for liquids. 3,009,566, 11-21-61, Cl. 206—46.

Oakley, Sterling A. Apparatus for manufacturing sheathed electrical heating elements. 2,973,572, 3-7-61, Cl. 29—203.

Oakton Engineering Corp.: *See*—
Flan, Anthony, and Miller. 2,968,746.

Oates, Alfred E.: *See*—
Holmes, William R., Marshall, and Oates. 3,010,808.

Oates Ltd.: *See*—
Oates, Thomas G. 2,974,992.

Oates, Thomas G., to Oates Ltd. Dowel and method of inserting same. 2,974,992, 3-14-61, Cl. 294—57.

Oatman, Elmer L., 45% to T. J. Short and 10% to T. D. Copeland, Jr. Scaffolding arrangement. 2,988,165, 6-13-61, Cl. 182—131.

Obata, Gyo, to Hellmuth, Obata & Kassabaum, Inc. Auditorium structures. 3,002,233, 10-3-61, Cl. 20—1.12.

Obenberger, Wallace J., and C. E. Burgi, to North American Aviation, Inc. Current regulator with saturable core. 2,970,252, 1-31-61, Cl. 321—18.

Oberdick, Luther E. Rotary power lawnmower. 3,014,330, 12-26-61, Cl. 56—25.4.

Oberdorfer, Heinz, and A. Dauber, to Dinglerwerke Aktiengesellschaft. Device for automatic control for closing means of regenerative air heaters. 2,982,308, 5-2-61, Cl. 137—624.18.

Oberdorfer, Paul E., Jr., to Sun Oil Co. Stabilized polypropylene. 2,967,169, 1-3-61, Cl. 260—45.8.

Oberdorfer, Paul E., Jr., to Sun Oil Co. Composition for engine deposit removal. 2,991,254, 7-4-61, Cl. 252—170.

Oberfield, Louis. Key identifier. 2,988,836, 6-20-61, Cl. 40—330.

Oberg, Elliot G. Coin-operated milk shake vending machine. 2,995,158, 8-8-61, Cl. 141—69.

Obergfell, Hermann, to Badger Mfg. Corp. Gasoline filler cap. 3,000,534, 9-19-61, Cl. 220—46.

Oberholtz, Merle E.: *See*—
Spaulding, Charles A., and Oberholtz. 3,000,508.

Oberholtzer, Alton V.: *See*—
Gray, Edward F. 2,974,813.

Oberinger, Joseph P. Magnetic toy. 2,975,551, 3-21-61, Cl. 46—239.

Oberländer, Georg: *See*—
Homola, Friedrich, Oberländer, and Elwert. 2,979,887.

Oberle, George W., to The Martin Co. Shaft position indicator. 2,987,710, 6-6-61, Cl. 340—206.

Oberly, John J., to Sprague Electric Co. Optical radiation generating and detecting device. 2,983,823, 5-9-61, Cl. 250—211.

Obermaier, Alfred A., and E. W. Donath, to Illinois Testing Laboratories, Inc. Direct reading dew-point meter. 2,996,911, 8-22-61, Cl. 73—17.

Obermaier & Cie: *See*—
Reinecke, Hans. 2,990,779.

Obermaier, Frank E., to The Dole Valve Co. Vacuum regulator and control system. 3,003,320, 10-10-61, Cl. 60—60.

Oberndörfer, Johann: *See*—
Taubmann, Harro, and Oberndörfer. 2,992,782.

Oberrauch, Hans: *See*—
Fischer, Kurt, and Oberrauch. 2,970,997.

Oberrender, Girard F.: *See*—
Kane, Frank A., Jr., and Frank A. 3,003,487.

Oberright, Edward A.: *See*—
Leonardi, Samuel J., and Oberright. 3,012,967.

Obika, Misao, M. Sasaki, K. Tanaka, and N. Iijima, to Dalichi Seiyaku Co., Ltd. Mercury proto- and hematoporphyrins. 3,004,985, 10-17-61, Cl. 260—314.

Oblander, Chester C. Musical crib mattress and pad. 2,994,889, 8-8-61, Cl. 5—335.

Obloy, Stanley J., K. R. Cukras, and T. J. Callaghan, to Designers for Industry. Signal display apparatus. 2,994,079, 7-25-61, Cl. 343—11.

Oboni, Giuseppe. Friction speed variator for mechanical drives, with continuously variable transmission ratio. 2,993,384, 7-25-61, Cl. 74—196.

O'Brian, Edward D.: *See*—
Bourns, Marlan E., Boode, and O'Brian. 2,999,995.
Bourns, Marlan E., Boode, and O'Brian. 3,005,172.
Bourns, Marlan E., Hardison, and O'Brian. 2,999,994.

O'Brian, Edward D. Combined flashlight and battery. 2,983,811, 5-9-61, Cl. 240—10.61.

O'Brian, Edward D. and R. E. Process of making a ferrite magnetic device. 2,966,704, 1-3-61, Cl. 18—59.

O'Brian, Robert E.: *See*—
O'Brian, Edward D. and R. E. 2,966,704.

O'Brien, Angus J.: *See*—
Gwinn, Joseph M., Jr., O'Brien, and Coleman. 2,975,913.

O'Brien, Edward D. Process and apparatus for coating granular material. 3,009,825, 11-21-61, Cl. 117—100.

O'Brien, Edward J.: *See*—
Wahlin, Fred W., and O'Brien. 2,999,648.

O'Brien, Emmett E.: *See*—
Odegaard, David C., O'Brien, and Krammer. 2,995,452.

O'Brien, Eugene. Dead bolt lock. 2,974,987, 3-14-61, Cl. 292—148.

O'Brien, Francis J.: *See*—
Peterson, Ramon F., and O'Brien. 3,004,329.
O'Brien, Francis L., to Whirlpool Corp. Laundry machine and filter therefor. 2,984,359, 5–16–61, Cl. 210—94.
O'Brien, Francis L., to Norwalk Truck Lines, Inc. Pallet container. 3,000,602, 9–19–61, Cl. 248—120.
O'Brien, George: *See*—
Lehr, Philip N., O'Brien, and Reitlinger. 2,979,575.
O'Brien, George E.: *See*—
Campbell, Mark E., and O'Brien. 2,976,618.
Campbell, Mark E., O'Brien, and Pentecost. 2,972,195.
O'Brien, George E., and P. O. Tawney, to United States Rubber Co. Alpha-chlorophenyl-beta-chlorosuccinimide seed coating and plant foliage fungicides. 2,989,436, 6–20–61, Cl. 167—33.
O'Brien, Gerard J. Illuminated catch ball. 3,011,048, 11–28–61, Cl. 240—6.46.
O'Brien, Harold C., Jr., to Royston Laboratories, Inc. Pipe coating with flowable inner layer. 3,012,585, 12–12–61, Cl. 138—141.
O'Brien, Hugh A., to International Business Machines Corp. Erase forward. 2,975,407, 3–14–61, Cl. 340—174.1.
O'Brien, Hugh A., to International Business Machines Corp. Interrecord noise elimination. 3,005,189, 10–17–61, Cl. 340—174.1.
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Lewis, Edward J., O'Brien, and Colby. 2,986,464.
O'Brien, Jeremiah W., to United Engineering and Foundry Co. Apparatus for handling coils of strip material. 2,991,023, 7–4–61, Cl. 242—79.
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Gathmann, Mark H., and O'Brien. 3,007,587.
O'Brien, John F., to United States of America, Army. Rotating multiple barrel aircraft gun. 2,971,440, 2–14–61, Cl. 89—126.
O'Brien, John F., to United States Steel Corp. Safety latch for lift hook. 2,987,792, 6–13–61, Cl. 24—241.
O'Brien, Joseph A., to Bell Telephone Laboratories, Inc. Pulse monitoring circuit. 2,984,780, 5–16–61, Cl. 328—120.
O'Brien, Joseph A., to Radio Corp. of America. Counting circuit. 3,014,656, 12–26–61, Cl. 235—92.
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O'Brien, Joseph L., to Rohm & Haas Co. Flame-resistant methyl methacrylate copolymers. 2,993,033, 7–18–61, Cl. 260—80.5.
O'Brien, Joseph L., and E. M. Beavers, to Rohm & Haas Co. Process for preparing carbonatoalkyl acrylates and methacrylates. 2,979,514, 4–11–61, Cl. 260—340.2.
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Hackman, Robert L., and O'Brien. 3,001,057.
O'Brien, Lois M., and W. Werder. Built-in shower sprayse. 2,995,760, 8–15–61, Cl. 4—177.
O'Brien, Patrick J., and G. A. Connell, to United States Borax & Chemical Corp. Amorphous sodium borate composition. 2,998,310, 8–29–61, Cl. 71—2.2.
O'Brien, Patrick R. Stamp affixing machine. 2,996,209, 8–15–61, Cl. 216—28.
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O'Brien, Peter T., to Capitol Games, Inc. Toy. 3,012,785, 12–12–61, Cl. 273—96.
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O'Brien, Richard C., to Harris-Intertype Corp. Photographic type composition. 3,000,279, 9–19–61, Cl. 95—4.5.
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O'Brien, Samuel J.: *See*—
Wilson, Abraham, and O'Brien. 2,987,474.
O'Brien, Spotorno, Mitchell & Compagno Bros., Inc.: *See*—
Zolezzi, Walter M., and Brandt. 3,006,766.
O'Brien, Thomas B., to Fawick Flexi-Grip Co. Retainer for sets of eyeletted articles. 3,009,223, 11–21–61, Cl. 24—73.
O'Brien, Thomas M. J., to Electro Tec Corp. Slip ring assembly having a plurality of metal based slip rings. 2,981,916, 4–25–61, Cl. 339—5.
O'Brien, William J., and A. J. Agostinelli, to The Seamless Rubber Co. Surgeons' gloves and method of making the same. 2,989,755, 6–27–61, Cl. 2—168.
O'Brien, William J., and A. J. Agostinelli, to The Seamless Rubber Co. Method of making roughened rubber product. 2,997,746, 8–29–61, Cl. 18—58.7.
O'Brien, William P., to W. D. Allen Mfg. Co. Hose nozzle. 2,993,655, 7–25–61, Cl. 239—582.
O'Brien, William P., and D. Byrne, to W. D. Allen Mfg. Co. Cemetery vase unit. 3,001,326, 9–26–61, Cl. 47—41.
Obrin, Robert P., to Bendix-Westinghouse Automotive Air Brake Co. Electro-pneumatic brake system. 3,010,768, 11–28–61, Cl. 303—7.
O'Brochta, John, to Koppers Co., Inc. Quinoline sulfonation process. 2,999,094, 9–5–61, Cl. 260—289.
O'Brochta, John, to Koppers Co., Inc. 8-hydroxyquinoline manufacture. 2,999,095, 9–5–61, Cl. 260—289.
Obrowski, Walter, and C. Von Seelen, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Thermocouple. 2,990,440, 6–27–61, Cl. 136—5.
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Obst, Charles J. Method of making telescopic bracelet inner box elements. 2,976,607, 3–28–61, Cl. 29—160.6.
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O'Connor, Donald J. Mixing device. 2,984,462, 5–16–61, Cl. 259—107.
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Melton, Thomas M., Matthews, and O'Connor. 2,990,421.
O'Connor, Timothy E., to E. I. du Pont de Nemours and Co. Initiators for the polymerization of formaldehyde. 3,002,952, 10–3–61, Cl. 260—67.
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O'Conor, Frank, and E. A. Daubman, to American Machine & Metals, Inc. Centrifugal separators. 2,993,580, 7–25–61, Cl. 192—136.
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Odasz, Frank B., Jr., and J. R. Hartwig, to Husky Oil Co. Rubberized blown asphalt and method for making same. 3,010,927, 11–28–61, Cl. 260—28.5.
Odasz, Frank B., Jr., and J. R. Hartwig, to Husky Oil Co. Rubberized blown asphalt and method for making same. 3,010,928, 11–28–61, Cl. 260—28.5.
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Bruson, Herman A., and O'Day. 3,012,079.
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Odell, Eugene I., to Stuart Otto. Demagnetization system for magnetizable article packager. 2,996,863, 8–22–61, Cl. 53—236.

O'Dell, Leonard J., to American Air Filter Co., Inc. Horizontal gas scrubber. 3,009,538, 11–21–61, Cl. 183—31.

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Odell, Norman R., and J. F. Lyons, to Texaco Inc. Lubricating greases thickened with reaction products of arylamine dyes with phosphomolybdic, phosphotungstic and phosphotungstomolybdic acids in admixture with ultramarine blue. 2,976,237, 3–21–61, Cl. 252—28.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Lubricating oils thickened to a grease consistency with cuprous N, N' diarylamidine compounds. 2,978,413, 4–4–61, Cl. 252—49.6.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Solids thickened lubricating greases containing formamide. 2,986,517, 5–30–61, Cl. 252—28.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Lubricating greases containing metal salts of N-alkanoyl-sulfanilic acids. 2,987,477, 6–6–61, Cl. 252—33.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Extreme pressure lubricant containing asbestos fibers. 3,010,896, 11–28–61, Cl. 252—13.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Lubricating greases thickened with nitrophenylazo naphthol compounds. 3,010,905, 11–28–61, Cl. 252—51.5.

Odell, Norman R., and J. F. Lyons, to Texaco Inc. Greases thickened with polyvalent metals salts of 2(2-hydroxy-3-carboxy-1-naphthylazo) benzene-sulfonic acids. 3,013,972, 12–19–61, Cl. 252—33.

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O'Donnell, Herbert R. Ramp tracks for stairs. 2,989,163, 6–20–61, Cl. 193—41.

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Odor, Ralph K. Aircraft propeller structure. 2,993,662, 7–25–61, Cl. 244—15.

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Oehler, William P., and H. V. Hansen, to Deere & Co. Planter mechanism. 2,975,844, 3–21–61, Cl. 172—484.

Oehler, William P., and H. V. Hansen, to Deere and Co. Planters. 2,979,136, 4–11–61, Cl. 172—126.

Oehler, William P., and A. J. Immesoete, to Deere & Co. Planters. 2,979,342, 4–11–61, Cl. 280—474.

Oehler, William P., and C. H. Youngberg, to Deere and Co. Disk harrow with extension gang. 2,985,247, 5–23–61, Cl. 172—413.

Oehler, William P., and C. H. Youngberg, to Deere & Co. Semi-flexible wheel harrow. 3,014,541, 12–26–61, Cl. 172—591.

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Storsand, Bjarne. 3,008,080.

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Ogasawara, Shigeru. Ladies' wedge style shoes. 3,006,083, 10–31–61, Cl. 36—2.5.

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Oglesby, Minor W., Jr., to Phillips Petroleum Co. Controller limit system. 2,973,772, 3–7–61, Cl. 137—82.

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O'Halloran, Rosemary, to Esso Research and Engineering Co. Lubricating oil compositions containing sulfurized olefins and mixed-salts. 3,007,870, 11–7–61, Cl. 252—40.7.

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Ohler, Walter J. Fruit and vegetable coring tool. 2,990,615, 7–4–61, Cl. 30—316.
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Ohls, Robert L., and H. L. Burgess, to Mission Mfg. Co. Grease seal. 2,982,296, 5–2–61, Cl. 137—246.12.
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Ohm, Edward A., to Bell Telephone Laboratories, Inc. Electromagnetic wave filter. 2,972,722, 2–21–61, Cl. 333—9.
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Ohmart, Philip E. 2,985,761.
Ohmart, Philip E., to The Ohmart Corp. Low noise level ionization chamber. 2,975,287, 3–14–61, Cl. 250—83.6.
Ohmart, Philip E., to The Ohmart Corp. Method and apparatus for regulating X-ray exposures. 2,985,761, 5–23–61, Cl. 250—95.
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Öhrnell, Olof. Conveying system. 3,008,562, 11–14–61, Cl. 198—26.
Ohtake, Tadashi, K. Ishizaki, and N. Eguchi, to Yawata Iron and Steel Co., Ltd. Process of working steel for preventing surface defects thereof. 2,968,092, 1–17–61, Cl. 29—528.
Ohtaki, Shinshiro. Storage stable corn powder and the production thereof. 3,007,798, 11–7–61, Cl. 99—124.
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Oishei, John R., E. C. Horton, M. Bitzer, and J. W. Cavanaugh, to Trico Products Corp. Electric windshield cleaner. 2,987,747, 6–13–61, Cl. 15—250.16.
Oishei, John R., and M. Bitzer, to Trico Products Corp. Compressor. 2,988,890, 6–20–61, Cl. 60—97.
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Okawa, Risaku and Riichiro. Cylinder machine for forming a web in paper making. 2,974,726, 3–14–61, Cl. 162—328.
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Okuda, Toru, and S. Akabori, to Ajinomoto Co., Inc. Synthesis of α-carboalkoxy-α-nitro-β-(3-indolyl)-propionic acid alkyl esters. 2,986,565, 5-30-61, Cl. 260—319.

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Okuno, Shinji, deceased (by H. Okuno, heir), and T. Okuno. Process for manufacturing rayon pulp of high purity from bagasse. 2,992,155, 7-11-61, Cl. 162—55.

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Olah, George A., S. J. Kuhn, and D. G. Barnes, to The Dow Chemical Co. Method of making aryl-substituted olefins. 2,996,554, 8-15-61, Cl. 260—651.

Olah, George A., and S. J. Kuhn, to The Dow Chemical Co. 1-tert.-butyl-4-(fluoroethyl) benzenes and method of making the same. 2,998,460, 8-29-61, Cl. 260—651.

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Olander, Karl E. Claw pieces for milking machines. 3,014,455, 12-26-61, Cl. 119—14.54.

Olandt, John W., to Specialties Development Corp. Compressed gas operated power tool. 3,007,445, 11-7-61, Cl. 121—21.

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Oldham, Wilfred J., to British Hydrocarbon Chemicals Ltd. Production of conjugated diolefins. 3,004,084, 10-10-61, Cl. 260—681.

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Altwicker, Elmer R., Garrett, Weilmuenster, and Harris. 2,999,117.
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Andrew, Eugene A. 2,974,135.
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Angeloff, George T. 2,976,195.
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Brock, Jean A. M. 2,968,542.
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Campbell, Huntly M. 2,987,810.
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Carr, Ralph L., and Dulany. 2,980,501.
Chiras, Stanley J. 2,967,760.
Clark, Sheldon L., and Fidler. 3,010,783.
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Denton, William I. 2,972,615.
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Diassi, Patrick A. 2,977,367.
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Duffield, Albert J. 2,970,543.
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Edwards, Robert B. 2,986,468.
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Fleischer, Joseph. 2,983,512.
Forst, John J., and Campbell. 2,998,639.
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Heuer, Charles A., and Adams. 2,991,543.
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Hovey, Almon G. 3,001,960.
Ivins, Herbert L. 2,966,791.
Janson, Stefan K. 2,987,968.
Johnson, James H. 3,003,400.
Johnson, Wallace C. 2,983,993.
Johnson, Wallace C. 2,983,994.
Jones, James R., and Fogle. 2,986,450.
Kaiser, Donald W. 3,009,887.
Karabinos, Joseph V., and Quinn. 2,992,998.
Keith, Norval A., Koertge, Tranel, and Pauls. 3,004,327.
Kober, Ehrenfried H. 3,014,907.
Krapcho, John. 2,994,700.
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Landesman, Herbert. 2,977,392.
Landesman, Herbert. 2,983,761.
Laskin, Allen I., Guiducci, and Fried. 2,977,286.
Laskin, Allen I., Lerner, and Weisenborn. 2,998,428.
Leeper, Robert W., and Fusco. 2,976,139.
Lerner, Leonard J., Laskin, and Weisenborn. 3,005,017.
Levy, Arthur, and Wellmuenster. 2,987,554.
Lewis, Oliver N. 2,975,540.
Logan, James S., and Roaldi. 3,006,733.
Lott, William A., Bernstein, and Stearns. 2,999,110.
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Maier, Karl W. 2,978,740.
Mangold, Donald J., McCarthy, and Clark. 3,011,001.
Marek, Ronald W. 2,986,452.
Meissner, Milton F. 3,012,309.
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Nicolaisen, Bernard H. 3,008,906.
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O'Neill, John J., Jr. 2,988,436.
Pagano, Joseph F., and Adams. 2,986,497.
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Palchak, Robert J. 3,002,026.
Pan, Samuel C., and Lerner. 3,010,878.
Pauls, Theron F. 2,999,304.
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Perkins, Harold E., Jr., and Haskings. 2,979,896.
Perlman, David. 2,980,591.
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Pfaff, Elmer F. 3,001,197.
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Platt, Thomas B. 2,982,698.
Rätz, Rudi F. W., and Grundmann. 2,980,495.
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Reinhardt, Charles M. 2,982,643.
Robson, Homer L., Taylor, and Heinze. 2,988,514.
Ryker, Don W. 2,970,899.
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Schur, Milton O. 2,979,058.
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Schwartz, Joseph. 2,997,468.
Seavey, Frederick R. 2,968,985.
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Silk, Charles E. 2,970,996.
Simerl, Linton E. 2,969,291.
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Stange, Hugo. 2,988,570.
Thoma, Richard W., and Weisenborn. 3,005,028.
Thomas, Gordon H., and Fried. 2,970,148.
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Oliva, Paul V., to Republic Aviation Corp. Method for making a solid dielectric. 2,987,482, 6–6–61, Cl. 252—63.2.

Olive, George A., to Radio Corp. of America. Tape reproducing system. 2,988,593, 6–13–61, Cl. 178—5.4.

Oliveau, John V., to Aerotec Industries, Inc. Disconnect for the supply lines from an aircraft to a pilot. 2,990,596, 7–4–61, Cl. 24—211.

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Oliver, Delbert S., to Borg-Warner Corp. Reversible hydraulic pump or motor. 2,996,997, 8–22–61, Cl. 103—126.

Oliver, Delbert S., to Borg-Warner Corp. Pressure loaded pump. 3,011,448, 12–5–61, Cl. 103—126.

Oliver, Donald S.: *See*—
Wedig, Frank L., and Oliver. 3,003,114.

Oliver Electrical Mfg. Co.: *See*—
Price, George C. 3,007,557.

Oliver, Ernest L., Jr.: *See*—
Clayton, William R., H. F., and Oliver. 3,004,570.

Oliver, Evan M., H. P. Tripp, L. E. Fussell, and F. L. Michael, to General Electric Co. One coat enamel process. 2,977,241, 3–28–61, Cl. 117—50.

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Oliver, John P.: *See*—
Allen, Herbert, and Oliver. 3,011,806.
Cahoon, Nelson C., and Oliver. 3,000,804.

Oliver, John P., to Union Carbide Corp. Blade electrode assembly. 2,967,142, 1–3–61, Cl. 204—288.

Oliver, John P., to Union Carbide Corp. Rod and plate electrode assembly. 2,974,098, 3–7–61, Cl. 204—288.

Oliver, Joseph J., and L. H. Morrison, to Raytheon Co. Electrical circuits for pulse generation. 2,980,859, 4–18–61, Cl. 328—258.

Oliver, Lawrence E.: *See*—
Evans, Walter W., Oliver, and Ronnquist. 2,987,796.

Oliver, Rex G. Practice backstop for golfers. 2,986,398, 5–30–61, Cl. 273—181.

Oliver, Stewart. Construction elements. 2,983,071, 5–9–61, Cl. 46—29.

Oliver, Thomas J., J. F. Prokop, A. C. Sinclair, H. B. Warren, Jr., and A. F. Winfield, to Abbott Laboratories. Hortesin, an antifungal agent derived from streptomyces versipellis. 2,972,569, 2–21–61, Cl. 195—80.

Oliveto, Eugene P.: *See*—
Nussbaum, Alexander L., and Oliveto. 3,013,011.
Nussbaum, Alexander L., and Oliveto. 3,013,033.
Rausser, Richard, and Oliveto. 2,999,103.
Rausser, Richard, and Oliveto. 3,010,958.

Oliveto, Eugene P., to Schering Corp. Process for the manufacture of epoxy steroids. 2,989,524, 6–20–61, Cl. 260—239.55.

Oliveto, Eugene P., and R. C. Rausser, to Schering Corp. 11-oximino-, amino- and acylamino-steroids. 2,982,775, 5–2–61, Cl. 260—397.45.

Oliveto, Eugene P., and R. Rausser, to Schering Corp. 16-lower alkyl-17-alkynyl-testosterones. 3,010,959, 11–28–61, Cl. 260—239.55.

Olivetti, Ing. C., & C., S.p.A.: *See*—
Canepa, Michele., 3,010,653.
Capellaro, Natale, and Gassino. 2,982,469.
Capellaro, Natale, and Gassino. 2,992,773.
Capellaro, Natale, and Gassino. 3,005,585.
Delponte, Gerardo, and Giannitrapani. 2,975,881.
Gassino, Teresio, and Capellaro. 3,006,540.
Gassino, Teresio, and Lanza. 2,986,255.
Gassino, Teresio, and Lanza. 3,006,537.
Negri, Franco. 2,993,089.
Salto, Rinaldo. 2,972,401.

Olivieri, Daniel, and L. W. Forker, to Sperry Rand Corp. Wave guide rotary switch. 2,999,213, 9–5–61, Cl. 333—7.

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Wheeler, William H., and Olivito. 2,992,930.

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Poel, Norman C., Olk, and McGow. 3,012,652.

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Oller, Jaime M. Multi-surface planing machine. 2,998,038, 8–29–61, Cl. 144—116.
Ollier, Jacques G. H., G. F. Grosshans, and R. Masson. Packaging and similar machines. 3,000,157, 9–19–61, Cl. 53—184.
Oiller, Jacques H. G.: *See*—
Monnot, Georges, Vichnievsky, Ollier, and Breelle. 3,014,466.
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Olmsted, Lester E., and E. J. Puetz, to National Lead Co. Method for bleaching hydrous titanium dioxide. 2,999,011, 9–5–61, Cl. 23—202.
Olney, James E. Boat trailer with improved shock absorber. 3,007,714, 11–7–61, Cl. 280—124.
Olney, James E. Boat trailer with adjustable load running gear connection. 3,011,797, 12–5–61, Cl. 280—124.
Olney, Richard B.: *See*—
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Wistrich, Harry A., and Olney. 3,010,804.
Olney, Robert A.: *See*—
Lanner, Arthur W., and Olney. 2,978,408.
Olnick, Jay E., to The Champion Paper and Fibre Co. Root crop flour and method of and system for making same. 2,987,424, 6–6–61, Cl. 127—67.
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Garnett, Donald W. 3,007,353.
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Bowditch, Hoel L., and Olsen. 3,005,885.
Olsen, Gene, Corp., The: *See*—
Davis, Robert O. 3,010,589.
Olsen, Harold G. Sail boat control device. 2,973,737, 3–7–61, Cl. 114—98.
Olsen, Horace W. Ball cock valves. 2,989,081, 6–20–61, Cl. 137—625.37.
Olsen, Horace W. Method of and apparatus for casting cored castings. 3,008,200, 11–14–61, Cl. 22—57.
Olsen, Kenneth H., to Digital Equipment Corp. Diode-transformer gating circuit. 2,977,485, 3–28–61, Cl. 307—88.5.
Olsen, Olger B. Pre-splicing tool for removing covering from cable. 2,970,377, 2–7–61, Cl. 30—102.
Olsen, Orville V. Scaffold plank connector. 2,981,365, 4–25–61, Cl. 182—223.
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Olson, Agnes J. Diaper-type garment. 2,967,526, 1–10–61, Cl. 128—287.
Olson, Albert L., to General Electric Co. Fluid coating apparatus. 2,977,926, 4–4–61, Cl. 118—105.
Olson, Carl C. Dumb waiter. 2,996,151, 8–15–61, Cl. 187—3.
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Olson, Carl M., to E. I. du Pont de Nemours and Co. Titanium production. 2,982,645, 5–2–61, Cl. 75—84.5.
Olson, Carl T., S. Gelotti, and C. F. Eckert. Safety device for hydraulic brakes. 2,984,071, 5–16–61, Cl. 60—54.5.
Olson, Dan A. H.: *See*—
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Olson, Donald M., to United States of America, Atomic Energy Commission. High temperature microscope and furnace. 2,969,712. 1–31–61, Cl. 88—39.
Olson, Delwyn L., to Marotta Valve Corp. Pressure operated valve with magnetically actuated pilot. 2,968,464, 1–17–61, Cl. 251—30.
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Miller, Roland E., and Olson. 2,987,819.
Olson, Edward S., to Deering Milliken Research Corp. Compositions and methods for dyeing polyester materials. 2,972,509, 2–21–61, Cl. 8—55.
Olson, Elwyn H., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,975,610, 3–21–61, Cl. 62—139.
Olson, Emil. Lawn edger. 3,003,238, 10–10–61, Cl. 30—319.
Olson, Eugene T. Sheetboard cutting machine. 3,008,498, 11–14–61, Cl. 143—47.
Olson, Everette C., to Xerox Corp. Process of developing electrostatic images. 3,005,726, 10–24–61, Cl. 117—37.
Olson, George E., and R. S. Sanford, to International Business Machines Corp. Indicating apparatus employing induced current. 2,994,071, 7–25–61, Cl. 340—174.
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Olson, Harry F., to Radio Corp. of America. Electronic sound absorber. 2,983,790, 5–9–61, Cl. 179—1.
Olson, Harry F., to Radio Corp. of America. Directional electrostatic microphone. 3,007,012, 10–31–61, Cl. 179—111.
Olson, Harry F., and H. Belar, to Radio Corp. of America. Apparatus for speech analysis and printer control mechanisms. 2,971,057, 2–7–61, Cl. 178—31.
Olson, Harry F., and H. Belar, to Radio Corp of America. Method of and apparatus for speech analysis and printer control mechanisms. 2,971,058, 2–7–61, Cl. 178—31.
Olson, Harry F., and H. Belar, to Radio Corp. of America. Combination random-probability system. 3,007,362, 11–7–61, Cl. 84—1.03.
Olsen, Henry H., to Crawford Door Co. Lock mechanism. 3,000,203, 9–19–61, Cl. 70—216.
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Jominy, Walter E., Olson, and Boswell. 2,975,084.
Olson, John J., and W. A. Monson, to Standard Packaging Corp. Ozone circulator. 2,989,632, 6–20–61, Cl. 250—46.
Olson, Kermit E., to Owens-Illinois Glass Co. Method of pulping hardwood by a neutral sulfite process. 3,003,909, 10–10–61, Cl. 162—36.
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Olson, Maynard H., and D. E. Lovness, to Minnesota Mining and Mfg. Co. Oil-stain resistant granules and products employing the same. 3,013,893, 12–19–61, Cl. 117—27.
Olson, Melville K. Electrical game scorer. 3,005,587, 10–24–61, Cl. 235—92.
Olson, Nels F. Signal-equipped fishing pole. 2,973,599, 3–7–61, Cl. 43—17.
Olson, Noral D., to Northwest Chair Co. Suspendable furniture assembly. 2,996,193, 8–15–61, Cl. 211—90.
Olson, Otis J., and R. A. Slouka, to Borg-Warner Corp. Electromechanical manipulator. 2,992,746, 7–18–61, Cl. 214—1.
Olson, Ralph H., to Owens-Illinois Glass Co. Electrode assembly for glass furnace. 2,978,526, 4–4–61, Cl. 13—14.
Olson, Ralph H., to Owens-Illinois Glass Co. Machine for gathering and transferring mold charges of molten glass. 2,983,077, 5–9–61, Cl. 49—62.
Olson, Reuben A. Refuse receptacle for use in automobiles and the like. 2,988,206, 6–13–61, Cl. 206—19.5.
Olson, Richard L. Ejector and sealing means especially suitable for loose pieces in sand molding apparatus. 2,997,755, 8–29–61, Cl. 22—13.
Olson, Richard L. Wear resistance and cushioning means for foundry flasks and patterns. 3,010,165, 11–28–61, Cl. 22—96.
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Olson, Victor E. Chimney stack moisture collecting and humidifying apparatus. 2,989,047, 6–20–61, Cl. 126—113.
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Olson, Wallace F., to American Iron & Machine Works Co., Inc. Pump piston. 2,987,354, 6–6–61, Cl. 309—4.
Olson, Walter H., to Valspar Corp. Display unit. 3,000,113, 9–19–61, Cl. 35—28.3.
Olsson, Chr. I Falkenberg AB: *See*—
Wadenby, Svenake. 2,984,392.
Olsson, Egil G., to H. D Conkey & Co. Sewer cleaning machines. 3,007,186, 11–7–61, Cl. 15—104.3.
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Olstowski, Franciszek, to The Dow Chemical Co. Preparation of metallic fluorides. 3,007,772, 11–7–61, Cl. 23—88.
Olstowski, Franciszek, and J. D. Watson, to The Dow Chemical Co. Preparation of fluoroform. 2,992,280, 7–11–61, Cl. 260—653.
Olstowski, Franciszek, and J. J. Newport, III, to The Dow Chemical Co. Preparation of fluoroform. 2,992,281, 7–11–61, Cl. 260—653.6.
Olswang, Ralph R., to Kamkap, Inc. Ironing table with variable contour. 3,009,272, 11–21–61, Cl. 38—138.
Olszowka, Edward P., to Howard Smith Paper Mills Ltd. Dual air doctor for paper coating machines. 2,981,223, 4–25–61, Cl. 118—63.
Olt, Richard G., H. R. Du Four, and M. J. Gray, to Monsanto Chemical Co. Quartz micro-tubing manufacture. 2,987,372, 6–6–61, Cl. 18—54.
Olton, Dirck J., to Norton Co. Moulded back-up pad. 3,014,319, 12–26–61, Cl. 51—195.
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Rielander, Werner. 2,987,161.
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O'Mahony, Gerard, to Societe a Responsabilite limitee Auxilec. Auxiliaries Electro-Mecaniques de Precision. Continnously variable speed drive system. 2,998,538, 8-29-61, Cl. 310—95.

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O'Meara, John R., and F. J. Lefebvre, to Ivers-Lee Co. Dispensing carton for continuous package strips. 3,001,643, 9-26-61, Cl. 206—56.

O'Meara, Thomas, to United States of America, Navy. Three-element, vector-phase radio direction finder. 3,005,200, 10-17-61, Cl. 343—123.

O'Meara, Thomas R.: *See*—
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O'Meara, Thomas R., to United States of America, Navy. Vector-phase radio direction finder. 3,005,198, 10-17-61, Cl. 343—113.

O'Meara, Thomas R., and M. K. Eick, to Hughes Aircraft Co. Pulse modulator having improved ring neutralized transformer coupling network. 2,990,524, 6-27-61, Cl. 333—24.

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Sznycer, Bernard W. 2,973,815.
Sznycer, Bernard W. 2,973,923.

Omletanski, George M., to Ohio State University Research Foundation. Boron trialkanolamine derivatives. 2,988,567, 6-13-61, Cl. 260—462.

Omletanski, George M., to Ohio State University Research Foundation. Titanium trialkanolamine derivatives. 2,991,299, 7-4-61, Cl. 260—429.5.

Omikron-gagliardi Societa di Fatto: *See*—
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Omni American Engineering Co.: *See*—
Hazelton, Richard L. 2,968,132.

Omnifor S.A.: *See*—
Doelter, Gandolph. 3,005,247.

Omohundro, William A., to General Electric Co. Multiple propeller fan. 2,981,464, 4-25-61, Cl. 230—259.

Omori, Takeo. Means for making paper containers and filling them with fluent material. 3,006,121, 10-31-61, Cl. 53—180.

Omoto, Bunnosuke. Inner tube valve holder. 2,968,206, 1-17-61, Cl. 85—32.

Ondeck, Elmer J., to Supreme Products Corp. Rotary impact attachment. 3,009,552, 11-21-61, Cl. 192—30.5.

O'Neal, Andrew, to Community Gin Co. Lint nozzle. 2,973,559, 3-7-61, Cl. 19—50.

O'Neal, Annie C.: *See*—
O'Neal, Lyman. 2,990,285.

O'Neal, Billie D., to Jersey Production Research Co. Apparatus for logging well bores. 3,008,050, 11-7-61, Cl. 250—83.3.

O'Neal, James C. Toothbrush with toothpaste dispenser. 2,971,518, 2-14-61, Cl. 132—84.

O'Neal, Lyman, deceased, by A. C. and R. G. O'Neal, and J. C. Johnson, heirs. Composition containing sesame seeds and process for the utilization thereof. 2,990,285, 6-27-61, Cl. 99—83.

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O'Neil, Edward B. Electrical connector. 2,975,297, 3-14-61, Cl. 307—10.

O'Neil, Gordon R., to International Harvester Co. Flexible planter unit. 2,981,213, 4-25-61, Cl. 111—64.

O'Neil, John G. Interlocking container structure and method. 2,971,304, 2-14-61, Cl. 53—37.

O'Neil, John G. Cup dispensing device. 3,006,503, 10-31-61, Cl. 221—307.

O'Neil, Stephen J., and L. D. Upham, to United States of America, Air Force. Graphical vectoring computer. 3,002,680, 10-3-61, Cl. 235—61.

O'Neil, William T.: *See*—
Tasker, Homer G., Van Alstyne, Green Franke, O'Neil, Dye, Landee, Cother, Deen, and Arnold. 2,980,902.

O'Neill, Donald E.: *See*—
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O'Neill, Harry T., to The Continental Elastic Corp. High speed loom. 2,980,146, 4-18-61, Cl. 139—124.

O'Neill, John J., Jr., to Olin Mathieson Chemical Corp. Smokeless powder. 2,988,436, 6-13-61, Cl. 52—11.

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O'Neill, Robert C., to Stauffer Chemical Co. Tobacco products. 2,981,641, 4-25-61, Cl. 131—17.

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Lesslie, Thomas E., and O'Neill. 3,003,004.
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O'Neill, William A., A. W. C. Taylor, and F. Dean, to Imperial Chemical Industries Ltd. Process for preparing carboxylic acid by oxidation. 3,012,038, 12-5-61, Cl. 260—295.

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Bloch, Alfred, and Oneson. 2,973,302.
Lieberman, Emanuel R., and Oneson. 3,014,024.

Ong, Eric, and W. H. Brockway, to The William L. Bonnell Co., Inc. Shock-ansorbing and wear-resistant plastic and metal strip assemblies. 2,990,802, 7-4-61, Cl. 114—219.

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Ongáro, Theodore, to International Research and Development Corp. Mechanical vibration generator. 2,970,487, 2-7-61, Cl. 74—61.

Onishi, Hiroshi, to Noda Industrial and Scientific Research Laboratory. Process for the simultaneous production of D-arabitol, erythritol and glycerol. 2,986,495, 5-30-61, Cl. 195—37.

Onishi, Hiroshi, to Noda Industrial and Scientific Research Laboratory. Production of glycerine by fermentation. 3,012,945, 12-12-61, Cl. 195—38.

Onksen, George W., C. W. Miller, and K. R. Skinner, to General Motors Corp. Vehicle window control system. 2,991,069, 7-4-61, Cl. 268—19.

Onksen, George W., K. R. Skinner, and C. W. Miller, to General Motors Corp. Moisture responsive window control system. 2,994,525, 8-1-61, Cl. 268—19.

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De Cenzo, Herbert A. 2,991,091.
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Onox, Inc.: *See*—
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Ooton, Paige. Seat divider and rest. 2,966,938, 1-3-61, Cl. 155—5.16.

Op de Beeck, Joseph A. Roll film camera with focal plane shutter mechanism. 2,975,690, 3-21-61, Cl. 95—31.

Opderbeck, Fritz, G. Trapp, and G. Wörner, to Phrix-Werke Aktiengesellschaft. Method of producing viscose. 2,979,500, 4-11-61, Cl. 260—217.

Opel, Marletta C. Shrimp or crab net with entrapment chamber. 2,971,284, 2-14-61, Cl. 43—11.

Openshaw, Harry T., and N. Whittaker, to Burroughs Wellcome & Co. (U.S.A.) Inc. Preparation of benzo(a)quinolizines. 3,009,918, 11-21-61, Cl. 260—289.

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Operhall, Theodore, and C. W. Schwartz, to Howe Sound Co. Dip coat composition for metal casting comprising ceramic flour colloidal silica, gum, alkali metal fluoride and rubber latex. 3,011,986, 12-5-61, Cl. 260—17.4.

Opie, John. Pontoon and boat construction. 2,975,747, 3-21-61, Cl. 114—61.

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Opocensky, Willard J., to General Precision Inc. Mechanical counter having a positive shaft lock. 2,980,327, 4-18-61, Cl. 235—130.

Opocensky, Willard J., to General Precision, Inc. Internal staking. 3,006,671, 10-31-61, Cl. 287—54.

Opocensky, Willard J., and G. W. Seevers, to General Precision, Inc. Integrator ball carriage adjustment. 3,004,441, 10-17-61, Cl. 74—198.

Oppel, Heinz C. Hay conditioner. 2,992,523, 7-18-61, Cl. 56—1.

Oppel, Heinz C. Beet harvester. 3,010,522, 11-28-61, Cl. 171—58.

Oppel, John A., to General Electric Co. Bushing structure for electric apparatus. 3,009,983, 11-21-61, Cl. 174—18.

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Opsahl, Alert M., and T. L. Dyer, Jr., to Westinghouse Electric Corp. Spark gap device. 2,985,788, 5–23–61, Cl. 313—325.
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Cohen, Albert, Davis, and Orabona. 2,978,704.
Orain, Michel, to Societe Glaenzer Spicer Societe Anonyme. Universal flexible coupling. 2,995,907, 8–15–61, Cl. 64—11.
Oransky, Raymond L., and J. R. Romig, to Addressograph-Multigraph Corp. Lithographic printing method. 3,006,-274, 10–31–61, Cl. 101—149.2.
Oravisual Co., Inc.: *See*—
Guth, Chester K. 2,985,174.
Orbeliani, Andre. Magnetic baffle separator. 2,979,202, 4–11–61, Cl. 209—223.
Orben, Ralph: *See*—
Ferguson, Benjamin E., and Orben. 2,994,089.
Orbitec Corp.: *See*—
Murad, Emil M. 3,001,112.
Orbom, Orville E., to General Electric Co. Elongation control systems. 2,982,158, 5–2–61, Cl. 80—56.
Orchard, David W., to W. L. Gray & Co. Device for laminating plastic sheets. 2,967,562, 1–10–61, Cl. 154—1.
Orchard Paper Co.: *See*—
La Cour, Edgar J. 2,984,910.
Mumm, Howard W. 2,987,374.
Orchard, Peter F.: *See*—
Lewis, Gordon M., and Orchard. 2,994,471.
Soltau, William E., and Orchard. 2,977,760.
Orchin, Milton: *See*—
Herrick, Elbert C., and Orchin. 2,967,181.
Wender, Irving, and Orchin. 3,002,002.
Orchin, Milton, to Houdry Process Corp. Process for forming cobalt hydrocarbonyl. 2,985,504, 5–23–61, Cl. 23—14.
Ord, Lewis R. Pumping recuperator for hydraulic chambers. 2,987,310, 6–6–61, Cl. 267—64.
Ordecki, Adam S.: *See*—
Hicks, William T., Jordan, and Ordecki. 2,984,212.
Ordinetz, Walter, and W. G. Clark, Sr. Fishing rod bite signalling light. 2,986,835, 6–6–61, Cl. 43—17.
Ordman, Theodore. Visor construction. 2,978,274, 4–4–61, Cl. 296—97.
Ore, Fred R.: *See*—
Du Hamel, Raymond H., and Ore. 2,977,597.
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Oreamuno, Walter R., & Co.: *See*—
Cook, Kenneth. 2,977,530.
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Rodman, Norman H. A., and Arbetman. 2,976,994.
Rodman, Norman H. A., and Arbetman. 2,978,100.
Oregon Nut Growers, Inc.: *See*—
Nybakke, Clifford R. 2,975,940.
Oregon, State of, acting by and through the Oregon State Board of Forestry: *See*—
Frashour, Ronald G., and Cooke. 3,003,205.
Orehoski, Michael A.: *See*—
Hornak, John N., and Orehoski. 3,013,316.
O'Reilly, Paul B.: *See*—
Firth, Edward P., and O'Reilly. 2,973,070.
O'Reilly, Wallace M.: *See*—
True, Martin E., and O'Reilly. 3,014,362.
O'Reilly, Wallace M., to Jersey Production Research Co. Running multiple pipe strings in cased wells. 2,994,382, 8–1–61, Cl. 166—243.
O'Reilly, Wallace M., and M. E. True, to Jersey Production Research Co. Plug for well boreholes. 2,978,029, 4–4–61, Cl. 166—63.
O'Reilly, William J.: *See*—
Fukuzawa, Jun, and O'Reilly. 3,001,379.
Orel, Ben. Reversible track set for toy vehicles. 3,013,726, 12–19–61, Cl. 238—10.
Orenda Engines Ltd.: *See*—
Booth, Peter H. 2,970,808.
Clarke, Alfred G. 3,014,343.
Creek, John O. 2,996,281.
Davison, Roger A. 2,978,885.
Eatock, Henry C. 2,984,068.
Hyde, John A. C. 2,977,160.
Jay, Kenneth W. 2,968,317.
Jay, Kenneth W. 2,969,924.
Keast, Francis H. 2,997,280.
Lazarowicz, Gustaw. 2,996,929.
McGregor, John C. 2,968,467.
Moore, Derek W. 2,986,368.
Quan, Dick. 2,997,229.
Wade, John H. T. 2,974,744.
Orendorff Mfg. Co.: *See*—
Hill, Roy R. 3,007,533.
Hill, Roy R. 3,013,620.
Orenstein Koppel und Luebecker Maschinenbau Aktiengesellschaft: *See*—
Rath, Erich. 2,985,115.
Rath, Erich, and Schmalter. 3,008,433.
Orenua Engines Ltd.: *See*—
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Organic Chemical Corp., The: *See*—
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Organon Inc.: *See*—
De Jager, Evert. 2,996,428.
De Jongh, Hendrik P. 2,997,488.
De Wit, Erik D., and Overbeek. 2,998,423.
Favier, Jacobus S. 2,988,556.
Homan, Jan D. H., and Ederzeel. 2,985,560.
Modderman, Pieter, van der Burg, and van Dijck. 2,989,553.
Szpilfogel, Stefan A. 3,002,984.
Szpilfogel, Stefan A., and Siegmann. 2,992,242.
Van der Burg, William J. 2,971,963.
Van Dorp, David A., and de Jongh. 2,979,518.
Zeelen, Filippus J. 3,004,045.
Oriani, Americo, and Q. Cappelli, to Danker & Wohlk, Inc. Apparatus for molding optical lenses. 3,005,234, 10–17–61, Cl. 18—17.
Original Jeri Wheel, Inc., The: *See*—
Hight, Paul K., and Nicoloff. 2,976,645.
Origoni, Victor E., S. Fox, and L. L. Smith, to American Cyanamid Co. Acylated steroids and method of preparing the same. 3,002,010, 9–26–61, Cl. 260—397.45.
Orkin, Henry E. Illuminated sign. 2,966,754, 1–3–61, Cl. 40—140.
Orlando, Carl, to United States of America, Army. Photographic method and apparatus. 2,971,445, 2–14–61, Cl. 95—13.
Orlando, Carl, to United States of America, Army. Photographic recording apparatus. 2,996,952, 8–22–61, Cl. 88—24.
Orlando, Matthew, to M. Orlando and L. Schub. Battery lining mechanism. 2,973,698, 3–7–61, Cl. 93—36.01.
Orlando, Ronald A., to Hazeltine Research, Inc. Antenna system. 2,998,605, 8–29–61, Cl. 343—848.
Orlemann, Edwin F.: *See*—
Dixon, Jonathan S., Katz, and Orlemann. 2,989,556.
Orloff, George: *See*—
Moss, Norman S., Orloff, and Scott. 3,010,682.
Orloff, George, to Rotol Ltd. Speed governors. 2,982,137, 5–2–61, Cl. 73—511.
Orloff, Harold D.: *See*—
Kolka, Alfred J., and Orloff. 2,988,574.
Orloff, Harold D., and J. B. Hinkamp, to Ethyl Corp. Anti-knock gasoline compositions. 3,000,709, 9–19–61, Cl. 44—63.
Orlov, Konstantin. Combined balance for solving equations and inequalities. 3,000,114, 9–19–61, Cl. 35—30.
Orma Istituto Terapeutico Romano I.T.R. S.r.L.: *See*—
Pancrazio, Guido, and Vitali. 2,995,495.
Ormond, Alfred N. Roll flexure unit. 2,984,996, 5–23–61, Cl. 64—15.
Ormond, Alfred N. Strain gauge load cell. 2,986,931, 6–6–61, Cl. 73—141.
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De Ruggieri, Pietro, and Ferrari. 2,983,735.
De Ruggieri, Pietro, and Ferrari. 2,996,502.
Ormsbee, Mary K.: *See*—
Hanson, Donald E., and Ormsbee. 2,969,014.
Orne, Nils. Method of producing metal borides. 3,004,830, 10–17–61, Cl. 23—204.
Orner, Allan: *See*—
Azari, Eric, Malin, and Orner. 2,983,507.
Nelson, Alfred M., and Orner. 2,969,979.
Orner, Allan, to The Magnavox Co. Card processing apparatus. 3,005,632, 10–24–61, Cl. 271—61.
Orner, Harry. Multi-stage power operated torque wrench. 2,978,936, 4–11–61, Cl. 81—52.4.
Orner, Harry. Reciprocable feed mechanism. 2,982,145, 5–2–61, Cl. 74—424.8.
Ornhjelm, Runar M. R. Electrolytic cells. 2,986,513, 5–30–61, Cl. 204—250.
Ornhjelm, Runar M. R., to Osakeyhtio-Kymmene Aktiebolag. Method of producing hydrogen peroxide. 2,992,071, 7–11–61, Cl. 23—184.
Ornitz, Martin N., and R. H. English, to Blaw-Knox Co. Furnace conveyor rolls and the like. 2,984,473, 5–16–61, Cl. 263—6.
O'Rorke, Henry C. A. Cleansing pad holder. 3,006,010, 10–31–61, Cl. 15—119.
Oros, Nicholas R., and R. D. Vartanian, to American Cyanamid Co. Insecticide formulations. 2,970,080, 1–31–61, Cl. 167—22.
O'Rourke, Innis, Jr.: *See*—
Bergesen, Howard S., and O'Rourke. 3,014,598.
Orr, Allie E., 25% to J. Orr, and 25% to J. E. Buntin. Pivoted head, slidable side jaw wrench having ratchet-type actuating means. 3,000,245, 9–19–61, Cl. 81—63.2.
Orr, Charles P., to Spray Products Corp. Pressurized spray applicator arrangement for engine manifolds. 2,995,127, 8–8–61, Cl. 123—187.5.
Orr, Edgar K.: *See*—
Taylor, Ernest F. 2,993,535.
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Orr, Allie E. 3,000,245.
Orr, John B. Plastic coatings for containers. 2,981,984, 5–2–61, Cl. 18—59.
Orr, John E. Single trigger mechanism for double barrelled shotguns. 2,999,327, 9–12–61, Cl. 42—42.
Orr, Palmer, to Borg-Warner Corp. Transmission mechanism. 2,968,190, 1–17–61, Cl. 74—467.
Orr, Palmer, to Borg-Warner Corp. Transmission. 2,971,-395, 2–14–61, Cl. 74—472.

Orr, Palmer, to Borg-Warner Corp. Power steering devices. 2,978,058, 4–4–61, Cl. 180—79.3.

Orr, Palmer, and D. W. Kelbel, to Borg-Warner Corp. Transmission. 3,010,343, 11–28–61, Cl. 74—753.

Orr & Sembower, Inc.: *See*—
Burt, Edgar A. 2,989,119.
Garraway, George H., and Kirkup. 2,976,885.
Northcote, Reginald D. 2,973,727.
Taylor, Ernest F., and Poe. 2,975,831.

Orr, Willis P., to Jersey Production Research Co. Method of removing debris from well bores. 3,003,558, 10–10–61, Cl. 166—43.

Orr, Willis P., to Jersey Production Research Co. Device for removing debris from wells. 3,007,525, 11–7–61, Cl. 166—170.

Orrange, Robert J., to International Business Machines Corp. Integrating accelerometer with digital readout. 2,993,382, 7–25–61, Cl. 73—490.

Orrevad, Anders E. O.: *See*—
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Orrison, John I., to Pittsburgh Steel Co. Ingot mold sideboard hanger. 3,002,238, 10–3–61, Cl. 22—147.

Orsatti, Ernest R., and L. W. Hoggan. Light-reflecting lens. 2,981,827, 4–25–61, Cl. 240—2.25.

Orshansky, Elias, Jr., to Chicago Railway Equipment Co. Fluid pressure take-up. 2,972,865, 2–28–61, Cl. 60—54.5.

Orsini, Rene. Containers constructed of deformable material. 3,003,681, 10–10–61, Cl. 229—57.

Orsini, Rene, to S.A. Plastus. Method for producing bags and the like containers of thermo-weldable material through welding of elementary component parts. 3,006,257, 10–31–61, Cl. 93—35.

Orsino, Joseph A.: *See*—
Dunn, Edward J., Jr., and Orsino. 2,981,776.

Orsino, Joseph A., to National Lead Co. Apparatus for manufacture of battery plates. 2,996,561, 8–15–61, Cl. 136—1.

Orsino, Joseph A., and C. E. Mandel, to National Lead Co. Battery separator. 3,002,040, 9–26–61, Cl. 136—146.

Ort, Carl, to Eastman Kodak Co. Filter compensation for photographic cameras. 2,975,693, 3–21–61, Cl. 95—64.

Ort, Donald L., to Litton Systems, Inc. Corrected diode. 2,980,806, 4–18–61, Cl. 307—88.5.

Ortega, Isidoro, and A. Wallace. Motor vehicle side and top stabilizing wheels. 2,985,479, 5–23–61, Cl. 293—1.

Ortega, William, Jr., and P. E. Webb, to General Supply Co. Air compressor unloader. 2,968,433, 1–17–61, Cl. 230—30.

Ortenblad, Ture. Impulse-emitting device for label-applying machines. 2,987,591, 6–6–61, Cl. 200—61.41.

Orth, Charles D., to Controls Co. of America. Thermostatic expansion valve. 2,971,348, 2–14–61, Cl. 62—212.

Orth, Charles D., and E. E. Burmeister, to Controls Co. of America. Temperature differential valve. 2,971,349, 2–14–61, Cl. 62—214.

Orthner, Ludwig: *See*—
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Reuter, Martin, and Orthner. 3,007,969.
Reuter, Martin, Orthner, Wolf, and Jakob. 2,995,551.
Reuter, Martin, Wolf, and Orthner. 3,008,926.

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Karmas, George. 2,980,688.
Millman, Nathan, and Homm. 2,992,971.
Millman, Nathan, and Homm. 3,005,457.
Singher, Heron O., and Egan. 2,997,425.
Singher, Heron O., and Swart. 2,995,494.
Singher, Heron O., and Zuckerman. 2,989,440.

Orthuber, Richard K.: *See*—
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Orthuber, Richard K., and C. L. Day, to International Telephone and Telegraph Corp. Method of making display amplifier. 2,974,369, 3–14–61, Cl. 18—47.5.

Ortiz de Zarate, Pedro. Washing machines. 2,996,908, 8–22–61, Cl. 68—23.

Ortleb, Douglas, deceased, by E. A. Ortleb, executrix. Electrically controlled ink agitator. 3,000,300, 9–19–61, Cl. 101—364.

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Ortleb, Douglas. 3,000,300.

Ortlieb, Claude, and V. Sinn, to Laboratoire de Recherche et de Controle du Caoutchouc. Preparation of spongy or ultrafinely divided substances. 3,007,792, 11–7–61, Cl. 75—66.

Ortman, Charles H., ¼ to I. J. Warner. Pliers. 2,988,941, 6–20–61, Cl. 81—344.

Ortman, Earl R. Water discharge unit for pump installations. 3,011,553, 12–5–61, Cl. 166—68.

Ortmann, Henry T.: *See*—
Stanford, Clement L., and Ortmann. 3,008,030.

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Orzechowski, Adam, and J. C. MacKenzie, to Cabot Corp. Polymerization catalysts. 2,991,157, 7–4–61, Cl. 23—230.

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Ishino, Seizo, and Osaka. 2,970,889.

Osakabe, Isami, to Nippon Kanikanzume Yushutsu Suisangyo Kumiai. Method of removing haemocyanin from crustacea. 3,007,802, 11–7–61, Cl. 99—195.

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Osborn, Alden E. Pipe joint. 2,973,211, 2–28–61, Cl. 285—104.

Osborn, Charles W., and D. J. Veal, to Phillips Petroleum Co. Method for preventing damping-off of plants. 3,010,816, 11–28–61, Cl. 71—3.

Osborn, Don R., Jr., and R. A. Rogers, to General Motors Corp. Air gauge. 2,983,136, 5–9–61, Cl. 73—37.5.

Osborn, Elmer W., and F. A. Wood, to Zenith Radio Corp. Tuning device. 2,995,719, 8–8–61, Cl. 336—136.

Osborn, George E. Animal trap. 2,995,861, 8–15–61, Cl. 43—66.

Osborn, Gladys B., 13⅓% to W. Coffee, and 20% to Shlesinger and Shlesinger. Brassiere. 3,014,484, 12–26–61, Cl. 128—479.

Osborn, Harry B., Jr., to The Ohio Crankshaft Co. Method for bonding liners to tubes. 2,975,259, 3–14–61, Cl. 219—9.5.

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Benyak, John B. 2,979,749.
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Bongiovanni, John C. 2,994,898.
Bongiovanni, John C. 3,002,503.
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Brauer, Edwin H., Jr. 2,979,747.
Charvat, Vernon K. 2,989,767.
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Miller, Leon F. 2,968,846.
Miller, Leon F. 2,973,562.
Miller, Leon F., and Hatch. 2,986,785.
Miller, Leon F., and Hatch. 2,993,247.
Nelson, Brooks E., and Peterson. 2,977,622.
Peterson, Ruben O. 2,972,157.
Peterson, Ruben O. 2,982,983.
Peterson, Ruben O. 2,984,053.
Peterson, Ruben O. 2,989,764.
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Osborn, William M. Battery cap. 2,988,589, 6–13–61, Cl. 136—179.

Osborn, William M. Hydraulic device. 3,001,482, 9–26–61, Cl. 103—136.

Osborn, William M. Adjustable by-pass valve and accumulator. 3,006,364, 10–31–61, Cl. 137—538.

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Osborne, Raymond G., Jr., and Boykin. 2,982,481.

Osborne, Charles V. Suspension system for land wheeled vehicles. 2,978,252, 4–4–61, Cl. 280—79.2.

Osborne, Frank M., to Motorola, Inc. Tilted spring connector. 3,013,245, 12–12–61, Cl. 339—256.

Osborne, Fred, to S. P. Kinney Engineers, Inc. Apparatus for making light weight aggregate. 2,978,743, 4–11–61, Cl. 18—2.5.

Osborne, Fred, to S. P. Kinney Engineers, Inc. Adjustable slag disintegrating nozzle. 3,001,724, 9–26–61, Cl. 239—455.

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Osborne, Fred H., J. H. Riggs, and H. G. Bauer, to The Wurlitzer Co. Electronic musical instrument. 2,988,945, 6–20–61, Cl. 84—1.01.

Osborne, Harold F. Furniture construction. 3,008,782, 11–14–61, Cl. 311—35.

Osborne, Harold N. Sun screens and the like. 3,014,252, 12–26–61, Cl. 20—56.5.

Osborne, John B., to The M. W. Kellogg Co. Method and apparatus for endothermic catalytic reaction. 3,001,931, 9–26–61, Cl. 208—164.

Osborne, Philip S., to Osborne Associates. Self-regulating pulley transmission system. 2,994,228, 8–1–61, Cl. 74—230.17.

Osborne, Raymond G., Jr., and R. O. Boykin, Sr., to Osborne Associates. Crushing apparatus. 2,982,481, 5–2–61, Cl. 241—32.

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Osborne, Sidney G., and G. T. Miller, to Hooker Chemical Corp. Electrolytic decomposition of sodium chloride. 2,967,807, 1–10–61, Cl. 204—98.

Osborne, William E. Controlled approach aircraft landing systems. 2,975,284, 3–14–61, Cl. 250—83.3.

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Osdal, Le Verne K., to E. I. du Pont de Nemours and Co. Method for marking a perfluorocarbon resin surface and composition therefor. 2,998,332, 8–29–61, Cl. 117—212.

Osdene, Thomas S., and E. C. Taylor. 4,7-diamino-2-aryl-6-pteridinecarboxamides. 2,975,180, 3–14–61, Cl. 260—251.5.

Osder, Stephen S., and S. J. Matava, to Sperry Rand Corp. Aircraft flight control system. 2,987,276, 6–6–61, Cl. 244—77.

Osder, Stephen S., and I. N. Hutchinson, to Sperry Rand Corp. Adaptive autopilot servo system. 3,008,077, 11–7–61, Cl. 318—489.

Osgood, Charles F., to Joy Mfg. Co. Adjustable cutter head mechanism for mining machines. 3,013,784, 12–19–61, Cl. 262—9.

Osgood, Harold A., Jr., to Sperry Rand Corp. Micro-film camera unit. 2,984,150, 5–16–61, Cl. 88—24.

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O'Shea, Anne W. Foot covering. 3,000,118, 9–19–61, Cl. 36—10.

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O'Shields, William R., to The Chemstrand Corp. Apparatus for treating yarn. 2,982,001, 5–2–61, Cl. 28—28.

Oshima, Shintaro, and H. Enomoto, to Kokusai Denshin Denwa Co., Ltd. Transmission characteristic compensation system. 3,003,030, 10–3–61, Cl. 178—69.

Osieja, Benjamin R., and J. De Torre, to Federal Pacific Electric Co. Switching apparatus with lock-off device. 2,983,799, 5–9–61, Cl. 200—42.

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York, William C., and Osipow. 2,981,691.

Osipow, Lloyd I., and W. C. York, deceased (by R. M. York, administratrix), to W. R. Grace & Co. Process for diglucose ureide. 2,967,859, 1–10–61, Cl. 260—211.

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Osmundsen, Arnold. Lead pointing machine. 2,989,947, 6–27–61, Cl. 120—96.

Osmundson, Helmer C. Riser pipe frost casing. 3,005,241, 10–24–61, Cl. 20—.5.

Ospelt, Gustav. Heating boiler. 3,007,457, 11–7–61, Cl. 122—37.

Ospenson, Joseph N., to California Research Corp. Preparation of inorganic sulfur bromides. 2,979,383, 4–11–61, Cl. 23—203.

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Ostapkovich, Peter L., to International Business Machines Corp. Solution and process for etching indium dots. 2,970,014, 1–31–61, Cl. 41—42.

Ostberg, Jonas M., and C. V. Larsson. Chain for tractors. 2,999,723, 9–12–61, Cl. 305—57.

Osten, Fred C., Sr. Insulated metal-framed window sash. 2,981,385, 4–25–61, Cl. 189—76.

Osten, Fred C., Sr. Automatically-locking sash balance. 2,987,758, 6–13–61, Cl. 16—197.

Osten, Fred C., Sr. Sash guide member with interfitting casing. 3,010,163, 11–28–61, Cl. 20—52.

Ostendorf, Bernard, Jr.: *See*—
Cadden, William J., and Ostendorf. 2,982,953.
Davey, James R., Ostendorf, and Pace. 3,009,014.
Mahony, John P., Ostendorf, Parker, and Vanderlippe. 3,001,010.

Ostendorf, Bernard, Jr., to Bell Telephone Laboratories, Inc. Electronic distributor. 2,998,486, 8–29–61, Cl. 178—52.

Ostendorf, Bernard, Jr., and G. A. Sellers, Jr., to Bell Telephone Laboratories, Inc. Station selector and control apparatus. 3,014,982, 12–26–61, Cl. 178—2.

Ostendorf, Carl J.: *See*—
Hazelton, Merrill W., Griesheimer, and Ostendorf. 2,978,976.

Oster, Gerald: *See*—
Oster, Gisela K. and Gerald. 2,996,381.

Oster, Gerald. Cross-linking of hydrocarbons. 3,014,799, 12–26–61, Cl. 96—35.

Oster, Gisela K. and Gerald, to Kalvar Corp. Photographic materials and procedures for using same. 2,996,381, 8–15–61, Cl. 96—49.

Oster, John, Mfg. Co.: *See*—
Barrows, Howard E. 2,973,324.
Barrows, Howard E. 2,973,325.
Blachly, Donald L. 2,992,715.
Bradley, Addison B. 3,005,591.
Hahn, Paul T. 2,972,160.
Hahn, Paul T. 2,974,346.

Oster Mfg. Co., The: *See*—
Hoffman, Max. 2,980,434.

Oster, Robert F., to Towmotor Corp. Roll clamp for lift truck. 3,008,596, 11–14–61, Cl. 214—653.

Oster, Thomas H. Navigation aid. 2,991,622, 7–11–61, Cl. 61—1.

Osterberg, Daga E.: *See*—
Osterberg, Nils E. 2,973,416.

Osterberg, Nils E., deceased, by D. E. Osterberg, heir and guardian of minor heir, to Telefonaktiebolaget L M. Ericsson. Multi-unit relay assembly. 2,973,416, 2–28–61, Cl. 200—104.

Ostergaard, Palle C., and R. K. Sayre, to Westinghouse Electric Corp. Unitized steam generator. 3,012,547, 12–12–61, Cl. 122—32.

Ostergren, Ralph H., to North American Aviation, Inc. Moving field scanner. 2,967,246, 1–3–61, Cl. 250—203.

Ostergren, Raymond R. Game device. 3,010,722, 11–28–61, Cl. 273—145.

Osterhammel, Kurt, and H. Weissbrod. Arrangement for irradiation with ultraviolet rays. 3,014,156, 12–19–61, Cl. 315—224.

Osterkamp, Henry C., to Westinghouse Air Brake Co. Rotary machine. 2,975,964, 3–21–61, Cl. 230—152.

Osterman, Samuel, to Bow Solder Products Co., Inc. Combination wrapper protector and sling hanger for spooled merchandise. 2,996,179, 8–15–61, Cl. 206—59.

Osterreichische Stickstoffwerke Aktiengesellschaft: *See*—
Schonbeck, Rupert. 3,010,962.

Ostertag, Konrad. Turning and conveying apparatus for the germinating mass in a traveling heap malting plant. 3,013,949, 12–19–61, Cl. 195—129.

Osteyee, Leon F., to United States of America, Air Force. Anticipation switch. 2,994,751, 8–1–61, Cl. 200—87.

Ostline, John E., to Automatic Electric Laboratories, Inc. Automatic toll ticketing telephone system. 2,981,798, 4–25–61, Cl. 179—7.1.

Östmar, Frans E. O.: *See*—
Schnittger, Jan R., and Östmar. 2,988,686.

Ostrander, Lester V.: *See*—
Leach, Clayton B., and Ostrander. 2,979,357.

Ostrander, Robert K. Jointed doll. 3,010,253, 11–28–61, Cl. 46—161.

Ostrander, Robert K., Jr., to Loma Plastics, Inc. Ice bucket. 2,995,267, 8–8–61, Cl. 220—9.

Ostreicher, Robert: *See*—
Walz, Alfred, and Ostreicher. 2,977,488.

Ostroff, Edward D., to Laboratory For Electronics, Inc. Signal responsive apparatus. 3,004,249, 10–10–61, Cl. 340—248.

Ostrom, Erik, to Aktiebolaget Electrolux. Multi-purpose suction cleaner nozzle. 3,013,294, 12–19–61, Cl. 15—373.

Ostrom, Erik, and K. H. Cederlund, to Aktiebolaget Elektrolux. Multi-purpose cooking unit. 2,984,730, 5–16–61, Cl. 219—35.

Ostrow, Barnet D., and F. I. Novel. Electroplating baths for hard bright gold deposits. 2,967,135, 1–3–61, Cl. 204—43.

Ostrowitz, Milton, to Gilbert Plastics, Inc. Snap-action cap. 2,973,881, 3–7–61, Cl 220—60.

Ostrowski, Edwin A.: *See*—
Beller, Wilbert E., and Ostrowski. 2,975,251.

Ostwald, Adolph. Sweatband. 2,994,090, 8–1–61, Cl. 2—182.1.

Ostwald, Adolph. Covering for shako. 3,007,174, 11–7–61, Cl. 2—195.

Ostwald, Fritz, to Alfred Teves Maschinen-und Armaturenfabrik KG. Pump, in particular for control systems. 2,993,445, 7–25–61, Cl. 103—11.

Ostwald, Fritz, to Alfred Teves Maschinen-und Armaturenfabrik KG. Valve mechanism to control motor fluid supply. 2,997,984, 8–29–61, Cl. 121—38.

Ostwald, Fritz, to Zahnradfabrik Friedrichshafen AG. Auxiliary hydraulic power steering device. 3,009,524, 11–21–61, Cl. 180—79.2.

Osugi, Tetsuro: *See*—
Tanabe, Kenichi, Miyazaki, and Osugi. 3,011,861.

Osugi, Tetsuro, K. Tanabe, and O. Morimoto, ¼ to Air Reduction Co., Inc., and ¾ to Kurashiki Rayon Co., Ltd. Process of improving the dyeing properties of polyvinyl alcohol fibers. 2,977,183, 3–28–61, Cl. 18—54.

Osugi, Tetsuro, K. Tanabe, Y. Ohno, and T. Suda, ¼ to Air Reduction Co., Inc. Polyvinyl alcohol filaments of improved dye affinity. 2,992,204, 7–11–61, Cl. 260—45.5.

O'Sullivan, William J., Jr., to United States of America, National Aeronautics and Space Administration. Self supporting space vehicle. 2,996,212, 8–15–61, Cl. 220—1.

Osumi, Hajime: *See*—
Goto, Sampei, Hosaka, Doi, and Osumi. 2,988,955

Oswald, Alexis A., to Esso Research and Engineering Co. Preparation of indanyl-sulfides, sulfoxides and sulfones. 2,968,678, 1–17–61, Cl. 260—607.

Oswald, Gene W.: *See*—
Douville, Clayton J., and Oswald. 2,983,063.
Oswald, Jacques, to Compagnie Generale d'Electricite. Device for the measurement of the power absorbed by an electric circuit. 3,008,086, 11–7–61, Cl. 324—142.
Oswald, Jacques R. V., to Compagnie Industrielle des Telephones. Telecommunication system. 2,973,409, 2–28–61, Cl. 179—15.
Oswald, John W.: *See*—
Weston, Samuel C., Jr., and Oswald. 2,968,835.
Oswald, Robert A. Cable retainer on suspended film carrier. 2,978,991. 4–11–61, Cl. 105—151.
Oswalt, Burlin W., to The B. F. Goodrich Co. Brake system. 2,972,866, 2–28–61, Cl. 60—54.6.
Oswalt, Roger M.: *See*—
Kimball, John G., Willens, Oswalt, and O'Neill. 2,973,894.
Oswold, Oluf G., to Bausch & Lomb Optical Co. Lock and release mechanism. 2,973,838. 3–7–61, Cl. 188—82.2.
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Tamada, Kazumi, and Ota. 2,977,775.
Ota, Masaharu. Egg poacher. 3,007,733, 11–7–61, Cl. 294—26.5.
Otarion Listener Corp.: *See*—
Lewis, George. Re. 25,059.
Otermat, Don E.: *See*—
Ganz, Frederick M., Jr., and Otermat. 2,980,277.
Otis, Arthur N., Jr., to Curtiss-Wright Corp. Radiation measuring apparatus having means for compensating errors due to atmospheric conditions. 2,968,727, 1–17–61, Cl. 252—83.3.
Otis Elevator Co.: *See*—
Diamond, Lew H., McConnell, and Brown. 2,991,448.
Jahn, William P. 3,012,636.
McKee, Dale W. 2,996,206.
Otis Engineering Corp.: *See*—
Bostock, James H. 3,002,566.
Canalizo, Carlos R. 3,011,511.
Dollison, William W. 2,986,157.
Dollison, William W., and Sizer. 2,973,005.
Fredd, John V. 2,988,146.
Fredd, John V. 2,999,320.
Fredd, John V. 3,007,669.
Fredd, John V., and Schramm. 3,008,522.
Fredd, John V., and Schwab. 3,011,549.
Green, William G., White, and Pritchard. 2,978,030.
Grimmer, George G. 2,978,031.
Grimmer, George G. 3,007,492.
Grimmer, George G., and Schramm. 2,999,546.
Hornung, Stephen A. 2,973,059.
Raulins, George M. 2,972,381.
Schwab, Carl M. 2,991,835.
Tamplen, Jack W., and Sizer. 2,998,070.
Otis, Wilbur C.: *See*—
Casselman, Robert C., Cooper, and Otis. 2,969,721.
Otley, John A. Sling. 2,985,480, 5–23–61, Cl. 294—74.
Otobe, Seiji: *See*—
Inada, Tamotsu, and Otobe. 2,991,402.
O'Toole, Edwin D.: *See*—
Hahnau, Robert F., and O'Toole. 2,971,259.
Ototani, Tohei, to The Research Institute For Iron, Steel and Other Metals of Tokoku University. Nodular graphite steel. 2,974,035, 3–7–61, Cl. 75—123.
Ototani, Tohei, to The Research Institute for Iron, Steel and other Metals of The Tohoku University. Fine-grained steels. 3,000,731, 9–19–61, Cl. 75—129.
Otrhalek, Joseph V., to Wyandotte Chemicals Corp. Bottle washing composition and method. 2,976,248, 3–21–61, Cl. 252—156.
Otsuka, Eiji, to Toyo Koatsu Industries, Inc. Urea synthesis using excess ammonia. 3,005,849, 10–24–61, Cl. 260—555.
Otsuka, Eijiro: *See*—
Tajima, Kihelda, Emori, Otsuka, and Futaki. 3,005,054.
Ott, Arnold C.: *See*—
Babcock, John C., and Ott. 2,969,379.
Ott, George E., to General Electric Co. Lamp making machine. 2,977,104, 3–28–61, Cl. 263—7.
Ott, Harry R.: *See*—
Bradshaw, Robert S., Hanstein, Ott, and Sheppard. 3,002,689.
Ott, Heinrich: *See*—
Ehrhart, Gustav, Ott, and Lindner. 2,991,304.
Ott, Josef, to L. Schuler, A.G. Power presses. 2,983,348, 5–9–61, Cl. 192—4.
Ott, Melvin L.: *See*—
Eber, Fred, Otto, Cochran, and Kean. 3,011,896.
Ott, Owen J., to Data Control Systems, Inc. F-M oscillator circuit arrangements. 2,994,043, 7–25–61, Cl. 332—16.
Ott, Robert. Brush having detachable sections. 2,987,744. 6–13–61, Cl. 15—202.
Ott, Walter, to Sulzer Frères, S.A. Weld connection. 3,003,601, 10–10–61, Cl. 189—36.
Otten, Philip S., to The Griscom-Russell Co. Heat exchanger construction. 2,990,162. 6–27–61, Cl. 257—235.
Ottenheimer, Lester A.: *See*—
Weidman, Floyd C. 2,990,641.
Ottenheym, Johannes H., and J. W. Garritsen, to Stamicarbon N.V. Process for preparing an α-halogeno-lactam. 3,000,881, 9–19–61, Cl. 260—239.3.
Otters, John L. Method of making a work holder. 3,012,314. 12–12–61, Cl. 29—423.
Otterstedt, Bror A. Liquid metal switch. 2,990,464, 6–27–61, Cl. 200—152.
Ottestad, Jack B., to General Dynamics Corp. Braking apparatus. 2,967,590, 1–10–61, Cl. 188—41.
Ottestad, Jack B., to General Dynamics Corp. Actuator. 2,979,938, 4–18–61, Cl. 73—12.
Ottestad, Jack B., to General Dynamics Corp. Deceleration carriage apparatus. 2,980,071, 4–18–61, Cl. 121—46.
Ottestad, Jack B., to General Dynamics Corp. Adjustable actuator. 2,993,475, 7–25–61, Cl. 121—38.
Ottestad, Jack B., and S. A. Skeen, to General Dynamics Corp. Externally triggered actuator. 2,997,025, 8–22–61, Cl. 121—38.
Ottinger, August F.: *See*—
Williams, Russell J., Brady, and Ottinger. 2,978,164.
Ottinger, August F., to Bemis Bro. Bag Co. Method of forming stitched end closures for paper bags. 2,994,631, 8–1–61, Cl. 154—116.5.
Ottinger, August F., to Bemis Bros. Bag Co. Bags. 3,009,627, 11–21–61, Cl. 229—62.
Ottinger, James A.: *See*—
Nelson, Thomas F., and Ottinger. 3,011,683.
Ottley, Norman F.: *See*—
Mayhew, Raymond L., and Ottley. 3,000,835.
Otto, Dr. C., & Co., G.m.b.H.: *See*—
Mewes, Rudolf K., and Goebel. 2,996,437.
Schuchert, Wilhelm. 2,995,871.
Otto, Carl L. and L. B., and J. Briton, 92% to Caronelle Inc., and 8% to C. C. Schwartz. Articles of reinforced foam material. 2,994,327. 8–1–61, Cl. 132—39.
Otto, Carl L. and L. N. B., 8% to Charles C. Schwartz. Hair curler for home permanent waving. 3,003,505, 10–10–61, Cl. 132—41.
Otto, Charles W.: *See*—
Howdle, Frederic E., and Otto. Re. 25,018.
Otto, Constance H., and J. M. Swann. Toilet bowl with urinal attachment. 2,980,919, 4–25–61, Cl. 4—1.
Otto Construction Corp.: *See*—
Clarke, Clifford W. 2,979,548.
Otto, Dean T.: *See*—
Heer, Ralph W., Otto, and Mundy. 3,000,649.
Otto, Ferdinand P.: *See*—
Munns, George W., Jr., Otto, and Seger. 3,014,868.
Myers, Herbert, and Otto. 2,983,687.
Myers, Herbert, and Otto. 3,010,897.
Otto, Frei, to L. Stromeyer & Co. G.m.b.H. Tent-roof. 2,988,096, 6–13–61, Cl. 135—1.
Otto, Henry E., Jr., to Westinghouse Air Brake Co. Fluid pressure brake apparatus with periodic acknowledgement type safety control. 2,998,285, 8–29–61, Cl. 303—19.
Otto, Julian A.: *See*—
Gilbert, Everett E., Otto, and Rumanowski. 3,003,916.
Otto, La Nelle B.: *See*—
Otto, Carl L. and L. B., and Briton. 2,994,327.
Otto, Carl L. and L. N. B. 3,003,505.
Otto, Lyle G., and W. E. Beardslee, to Aluminum Extrusions, Inc. Locking mortise and tenon joint. 3,009,719, 11–21–61, Cl. 287—64.
Otto, Melvin L.: *See*
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Otto, Merle F. Adjustable and removable head, neck, seat and back rest combined. 3,014,761, 12–26–61, Cl. 297—230.
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Odell, Eugene I. 2,996,863.
Otto, William H.: *See*—
Seifried, Walter, and Ott. 3,000,054.
Whitehurst, Harry B., and Otto. 3,001,507.
Whitehurst, Harry B., Otto, and Warthen. 2,980,956.
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Ottoson, Raymond H., to Clemco Aero Products, Inc. Mechanical lock for pistons of fluid pressure rams. 3,003,473, 10–10–61, Cl. 121—40.
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Baur, Carl, and Otzen. 2,966,825.
Baur, Carl, and Otzen. 2,967,459.
Otzmann, Henry, Jr.: *See*—
Wintermute, Joseph T., and Otzmann. 2,985,832.
Otzmann, Henry, Jr., to Westinghouse Electric Corp. Instrument casing assembly. 2,985,336, 5–23–61, Cl. 220—82.
Ouchi, Atsuyoshi, to Nippon Electric Co., Ltd. Electrostatic coupling system. 3,013,225, 12–12–61, Cl. 333—24.
Ouellette, Alfred J. Baby seat. 3,006,688, 10–31–61, Cl. 297—457.
Ouellette, Herve J., to United States of America, Army. Revolving cage gun with a plurality of barrels and removable chambers. 2,998,758, 9–5–61, Cl. 89—155.
Ouellette, Raphael L., to Ray Flange Lubricator, Inc. Lubricator for wheeled vehicles. 3,011,590, 12–5–61, Cl. 184—3.
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Our Lady of the Genesee Abbey: *See*—
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Oury, John F. Telescopic chute. 2,968,382, 1–17–61, Cl. 193—10.

Oussani, James J. Fastener device. 2,975,424, 3–21–61, Cl. 1—101.
Outboard Marine Corp.: *See*—
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Glusic, John W. 2,967,687.
Hulsebus, Richard P. Re. 25,048.
Irgens, Finn T. 2,986,180.
Irgens, Finn T. 2,989,096.
Liljequist, John L. 3,002,365.
Malec, David V. 3,006,314.
Ricci, Henry. 2,990,860.
Shimanckas, William J. 2,997,849.
Watkins, Lucius D. 2,967,388.
Watkins, Lucius D. 3,002,489.
Williams, Harold S. 2,988,929.
Outcalt, Willis H.: *See*—
Wright, George W., and Outcalt. 2,994,573.
Outdoor Recreation, Inc.: *See*—
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Moler, Charles C. 2,988,909.
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Stroup, Earl L., and Christensen. 2,978,021.
Overhoff, Walter: *See*—
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Overholser, John S., to Tamar Electronics, Inc. Method for producing radar probe. 2,971,224, 2–14–61, Cl. 18—59.
Overholt, Jacob H.: *See*—
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Overly, Elmer G. Adjustable work support usable with die cutting press. 2,978,944, 4–11–61, Cl. 83—539.
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Overstreet, Harry I. Motorized pack carrier. 3,007,536, 11–7–61, Cl. 180—19.
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Overton Container Corp.: *See*—
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Overton, Dolph D. 2,989,220.
Overton, Dolph D. 3,008,623.
Overton, Dolph D., to Overton Container Corp. Closure construction for containers. 2,989,219, 6–20–61, Cl. 229—5.7.
Overton, Dolph D., to Overton Container Corp. Closure construction. 2,989,220, 6–20–61, Cl. 229—5.7.
Overton, Dolph D., to Overton Container Corp. Container. 3,008,623, 11–14–61, Cl. 229—5.7.
Overton, John W. Temporary antenna support. 2,991,070, 7–4–61, Cl. 269—115.
Overton, William C., Jr., to Socony Mobil Oil Co., Inc. Acoustic well logging with end shielding. Re. 24,931, 1–31–61, Cl. 181—.5.
Oviatt, Richard B.: *See*—
Beatty, Robert D., Jr. 2,987,772.
Ovshinsky, Herbert C.: *See*—
Ovshinsky, Stanford R. 2,967,980.
Ovshinsky, Stanford R. and H. C. 2,995,635.
Ovshinsky, Stanford R., ½ to D. Tann, and ½ to H. C. Ovshinsky. Electrical power assist or servo mechanism and control means therefor. 2,967,980, 1–10–61, Cl. 317—123
Ovshinsky, Stanford R., to Tann Corp. Magnetic relay. 2,971,071, 2–7–61, Cl. 200—87.
Ovshinsky, Stanford R., to Tann Corp. Proximity switch. 2,972,029, 2–14–61, Cl. 200—87.
Ovshinsky, Stanford R., to Tann Corp. Electric control device. 2,980,776, 4–18–61, Cl. 200—87.
Ovshinsky, Stanford R., to Tann Corp. Magnetic switching device. 3,005,070, 10–17–61, Cl. 200—87.
Ovshinsky, Stanford R. and H. C., to Tann Corp. Electric control device. 2,995,635, 8–8–61, Cl. 200—87.
Owen, Albert G., to Blaw-Knox Co. Constant gap control for sheet shearing lines. 2,971,414, 2–14–61, Cl. 83—75.
Owen, Charles J., to United States Steel Corp. Apparatus for coating selected portions of the surface of a base material. 3,008,892, 11–14–61, Cl. 204—207.
Owen, Douglas H.: *See*—
Buckley, Sidney E., and Owen. 3,000,828.
Owen, Frederick E. Lubricant-solvent feed system for engine cylinders. 2,972,342, 2–21–61, Cl. 123—196.
Owen, Harold A., and E. C. Clark, to International Latex Corp. Garment supporting device. 3,005,990, 10–31–61, Cl. 2—306.
Owen, Harold A., and E. C. Clark, to International Latex Corp. Supporting undergarments. 3,009,464, 11–21–61, Cl. 128—536.
Owen, Harry L. Store front structure. Re. 25,030, 8–22–61, Cl. 20—56.3.
Owen, James R., to Phillips Petroleum Co. Dehydrogenation of isopentane to isoprene. 2,982,795, 5–2–61, Cl. 260—680.
Owen, John C., to Lear, Inc. Angle of attack control. 2,967,679, 1–10–61, Cl. 244—77.
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Stresnak, Clarence E., and Owen. 3,010,714.
Owen, Paul D. Heater combination. 3,010,449, 11–28–61, Cl. 126—110.
Owen, Richard B., to United Kingdom Atomic Energy Authority. Nuclear particle discriminators. 3,004,167, 10–10–61, Cl. 250—207.
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Owen, Thomas B., to United States of America, Navy. Use of acetylene-ethane mixture as propellant and explosive. 2,992,595, 7–18–61, Cl. 89—7.
Owen, W. D. R.: *See*—
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Howard, William C. 3,008,531.
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Brautigam, Richard H. 3,010,632.
Brisley, Frank O., and Evans. 2,978,529.
Brisley, Frank O., and Gambill. 2,984,312.
Brown, Alfred W., and Evans. 2,981,980.
Brown, Alfred W., and Gibbud. 2,993,235.
Caroselli, Remus F. 3,008,846.
Cascone, John E. 2,993,802.
Collier, Theodore J. 2,974,062.
Cunningham, Cecil R., and Costello. 2,972,439.
Cunningham, Cecil R., and Costello. 3,014,629.
Frickert, Philip J. 2,983,025.
Gagnon, Roland K., and Rammel. 2,993,872.
Gambill, Ulysses T. 2,984,313.
Glaser, Hellmut I. 3,013,096.
Greason, David M. 3,003,581.
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Morgan, Willard L. 3,013,915.
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Schroeder, Charles F. 2,978,744.
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Shuman, Everett C. 2,978,781.
Skalko, Francis C. 2,983,026.
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Stalego, Joseph P. 2,990,307.
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Taylor, William C. 3,001,882.
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Bacon, Frank R., and Billian. 2,974,052.
Barnby, Herbert A. 2,995,882.
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Boyd, Robert A. 2,993,409.
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Casey, Harry E. 2,981,426.
Chew, Clarence, Sr. 2,999,511.
Coleman, James C., and Mayhew. 3,005,122.
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Elphee, Leon E. 2,992,454.
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Fillmore, William E. 2,975,466.
Garman, Edward B. 2,996,344.
Gasmire, Richard C. 2,979,801.
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Greene, Ralph L. 3,012,747.
Hamilton, Joseph C., and Rough. 2,982,522.
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Schaich, Wilbur A. 3,000,051.
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Oxford, Leonard G., and C. H. Booth, to Simmonds Aerocessories Ltd. Cutting or abrading tools. 2,984,892, 5–23–61, Cl. 29—78.

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Ozeki, Jiro. Translucent plates for use in filing color film slides. 2,968,882, 1–24–61, Cl. 40—106.1.

Ozkok, Mehmet S. Vehicle power and steering system for boats. 2,997,012, 8–22–61, Cl. 115—.5.

P.C.I. Inc.: *See*—
Herzig, Leonard A. 2,977,017.
Herzig, Leonard A. 2,984,921.

PGAC Development Co.: *See*—
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Charrin, Paul, and Waters. 3,014,174.
Janssen, Hermann. 2,967,272.
Rabson, William R. 2,978,585.

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Henrikson, Thor O. 2,983,232.
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Pick, Charles O. 2,980,289.
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Mescher, Harold E. 2,977,107.
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Campbell, Richard A. 2,999,587.
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Crishal, Joan M., and Melillo. 2,969,295.
Curry, James E. 2,967,642.
Frazier, Henry D. 3,001,110.
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Wessel, Carl F. 2,990,995.
Zeitter, Charles R. 2,992,727.
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Pacoud, André, J. Dallemagne, and A. Mercier, to Societe des Usines Chimiques Rhone-Poulenc. Separation of organic mixtures. 3,013,954, 12–19–61, Cl. 202—42.
Pacsu, Eugene, and R. F. Schwenker, Jr., to Textile Research Institute. Flame resistant cellulose derivatives. 2,990,232. 6–27–61, Cl. 8—116.
Pacsu, Eugene, and R. F. Schwenker, Jr., to Textile Research Institute. After-glow suppressing cellulose derivatives. 2,990,233, 6–27–61, Cl. 8—116.
Padberg, Louis R., Jr. Uni-directional high level low frequency sound source. 3,007,133, 10–31–61, Cl. 340—12.
Padday, John F., to Eastman Kodak Co. Multiple coating apparatus. 3,005,440, 10–24–61, Cl. 118—412.
Paddison, Eric, to The English Electric Co. Ltd. Electrical protective relays. 3,001,101, 9–19–61, Cl. 317—52.
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Pagano, Joseph F., and J. D. Levin, to Olin Mathieson Chemical Corp. Method and composition for detecting candida albicans. 2,968,597, 1–17–61, Cl. 195—103.5.
Pagano, Joseph F., and E. V. Adams, to Olin Mathieson Chemical Corp. Method and means for performing assays. 2,986,497, 5–30–61, Cl. 195—103.5.
Page, Ancel S. Attachment and shock absorber for leaf springs. 2,986,388, 5–30–61, Cl. 267—53.
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Pagliano, Mario. Apparatus for direct injection of light fuel into internal-combustion engines. 2,988,076, 6–13–61, Cl. 123—139.

Pagliaro, Paul, and N. Friedman, to Nu Era Wood Products, Inc. Folding sofa lounge and knockdown furniture. 3,001,822, 9–26–61, Cl. 297—381.

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Pancho, Hastings H., Sr., and H. H. Pancho, Jr. Saw filing implement. 3,012,450, 12–12–61, Cl. 76—36.
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Panerai, Giuseppe and M. Device for controlling from outside a mechanical or electrical member contained in a pressure tight box or container, with no element passing through the box. 2,995,640, 8–8–61, Cl. 200—168.
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Panerai, Giuseppe and M. 2,995,640.
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Pankuch, Henry. Sound emitting fishing lure. 2,999,329, 9-12-61, Cl. 43—26.2.
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Pantek, Stanley and J. 2,989,139.
Pantek, Stanley and J. Kitchen hanger. 2,985,312, 5-23-61, Cl. 211—96.
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Papa, Paolo, and F. Capetti, to Nebiolo Societa per Azioni. Rotary offset multi-color printing machine. 3,002,450, 10-3-61, Cl. 101—137.
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Friday, Paul D. 2,967,568.
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Metzler, Charles L., Wark, and Helm. 2,987,192.
Morel, Roy W. F., and Scott. 2,992,904.
Seyer, Frank H. 2,971,494.
Papeteries Rene Sibille: *See*—
Sibille, René. 2,982,493.
Sibille, René. 2,997,252.
Papineau, Milton D. Sine wave zero comparator. 2,978,642, 4-4-61, Cl. 328—20.
Papke, Friedrich: *See*—
Fischer, Oskar, Greger, Papke, Kinder, and Weidner. 2,996,964.
Papke, Friedrich, to Voigtlander A.G. Photographic viewfinder. 2,974,560, 3-14-61, Cl. 88—1.5.
Papke, Friedrich, to Voigtlander A.G. Camera provided with built-in view finder and exposure meter. 2,994,257, 8-1-61, Cl. 95—10.
Papke, Friedrich, to Voigtlander A.G. Photographic viewfinder. 2,995,971, 8-15-61, Cl. 88—1.5.
Papke, Friedrich, to Voigtlander A.G. Measuring finder for photographic purposes. 3,012,464, 12-12-61, Cl. 88—2.4.
Papke, Friedrich, and F. Mische, to Voigtlander A.G. Combined rangefinder and Albada viewfinder unit for photographic cameras. 2,984,145, 5-16-61, Cl. 88—2.4.
Papke, Wolfgang, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement for identifying calling telephone party line stations. 2,974,200, 3-7-61, Cl. 179—17.
Papo, Maurice: *See*—
Estrems, Eugeni, and Papo. 2,983,357.
Papp, George, to United States of America, Navy. Wave polarization detecting apparatus. 2,991,417, 7-4-61, Cl. 324—95.
Papp, Louis S., to Rockwell-Standard Corp. Spark arrester. 3,009,539. 11-21-61, Cl. 183—81.
Pappas, Alexander J.: *See*—
Strong, Edward W., Pappas, Losey, and Clewlow. 2,980,186.
Pappas, Basil A.: *See*—
Duerr, James D., and Pappas. 2,988,569.
Pappas, George F., to Esso Research and Engineering Co. Control of coarse solids flow. 2,975,919, 3-21-61, Cl. 214—152.
Pappas, Spilios A. Grease container with pastry brush unit. 3,009,189. 11-21-61, Cl. 15—517.
Pappo, Raphael: *See*—
Johnson, William S., Collins, Pappo, and Rubin. 2,973,357.
Pappo, Raphael, to G. D. Searle & Co. 18,20-epoxypregnanes and derivatives thereof. 2,974,138, 3-7-61, Cl. 260—239.55.
Pappo, Raphael, to G. D. Searle & Co. 17-substituted 18-hydroxy-3,5-cycloandrostan-6-ones, derivatives thereof, and intermediates thereto. 3,001,987. 9-26-61, Cl. 260—239.55.
Papritz, Franz, to Haag-Streit A.G. Tonometer. 2,968,941, 1-24-61, Cl. 73—80.
Papritz, Hans, to Haag-Streit A.G. Slit lamp. 2,999,422, 9-12-61, Cl. 88—20.
Paps, Costis J.: *See*—
Merkel, Gordon, and Paps. 3,002,613.
Papsdorf, Robert A., to Emerson-Pryne Co. Ventilating fan construction. 3,002,676, 10-3-61, Cl. 230—117.
Papst, Hermann. Combined air and rubber spring suspension for vehicles and seats. 2,988,377, 6-13-61, Cl. 280—124.
Papst, Hermann. Rotating field motor. 3,002,118, 9-26-61, Cl. 310—61.
Papworth, Walter A. Manually portable tool construction. 2,984,757, 5-16-61, Cl. 310—50.
Papy, Hugh R., W. C. Carson, and E. C. Rowley. Seal for metal band strap fasteners or the like. 2,998,154, 8-29-61, Cl. 217—66.
Paquin, Real, to Ferro Technique Ltd. Milling cutter. 2,980,-985. 4-25-61, Cl. 29—103.
Parachutes Inc.: *See*—
Istel, Jacques A., and Sanborn. 2,978,212.
Paradis, Jean B. O. Automatic outboard motor guard. 2,994,892, 8-8-61, Cl. 9—9.
Paradise, Francis C., to Barrett-Cravens Co. Lift truck. 2,993,703, 7-25-61, Cl. 280—43.12.
Paradise, Francis C., to Barrett-Cravens Co. Load-lifting mechanism for lift truck. 3,007,547, 11-7-61, Cl. 187—9.
Paradise, Ronald Y., to General Precision, Inc. High efficiency switching power amplifier. 3,011,076, 11-28-61, Cl. 307—88.5.
Paradiso, Michael A., and J. F. Vignone, to Socony Mobil Oil Co., Inc. Vapor outlet. 3,008,810, 11-14-61, Cl. 23—288.
Paragon Electric Co.: *See*—
Everard, Joseph J. 2,975,612.
Everard, Joseph J., and Rulseh. 2,970,454.
Timm, Paul W., and Rulseh. 2,984,716.
Paragon Products Corp.: *See*—
Hautau, Llewellyn A. and C. F. 2,968,088.
Scholz, Michael P. 2,969,973.

Parallel Products Co.: *See*—
Meyer, Leonard S. 2,976,043.
Meyer, Leonard S. 2,980,158.
Paramount Pictures Corp.: *See*—
Dressler, Robert. 2,989,890.
Ridenour, Louis N., and Gunning. 2,972,008.
Nyberg, John C. 2,966,980.
Weiss, Phil H., and Reiter. 3,001,011.
Zimmerman, Charles W. 2,989,046.
Paramount Textile Machinery Co.: *See*—
Brown, Walter. 2,996,200.
Brown, Walter, and Scheuring. 2,995,828.
Horberg, Charles, Jr. 2,968,710.
Richter, Henry. Re. 25,019.
Paramount Wedding Ring Co. Inc.: *See*—
Sager, Abraham G. 2,976,799.
Parcell, Robert F., to Parke, Davis, & Co. Piperazine derivatives and methods for their production. 2,976,290, 3–21–61, Cl. 260—268.
Parcell, Robert F., to Parke, Davis & Co. Piperazine compounds and methods for their production. 3,007,928, 11–7–61, Cl. 260—268.
Parco, Idolo R. Protective cape. 2,984,840, 5–23–61, Cl. 2—50.
Pardee, Robert P., and J. F. Lyons, to Texaco Inc. Water-base lubricant composition. 3,007,871, 11–7–61, Cl. 252—46.4.
Pardee, William A.: *See*—
Culberson, Oran L., and Pardee. 3,014,778.
Culberson, Oran L., and Pardee. 3,014,781.
Gilbert, William I., Pardee, and Montgomery. 2,982,719.
Pardo, Clay E., Jr.: *See*—
Lundgren, Harold P., Koenig, and Pardo. 2,987,370.
Pardo, Clay E., Jr., and H. P. Lundgren, to United States of America, Agriculture. Shrinkproofing of wool with N,N'-methylene bis-acrylamide polymerized in situ and the modified wool. 3,005,730, 10–24–61, Cl. 117—141.
Pardun, Hermann: *See*—
Best, Ronald L., Crossley, Paul, Pardun, and Soeters. 2,975,060.
Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,061.
Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,062.
Parechoc S.A.: *See*—
Loretan, Edouard. 2,996,339.
Loretan, Edouard. 3,005,667.
Matthey, Roger. 3,012,828.
Parera, Pedro P. Hydrostatic suspension systems for magnetic needles. 3,011,264, 12–5–61, Cl. 33—223.
Parham, Claude D.: *See*—
Markley, James M., and Parham. 2,988,012.
Markley, James M., and Parham. 3,003,431.
Parham, Lee R., to Burlington Industries, Inc. Sock printing machine, method and article. 2,974,838, 3–14–61, Cl. 223—76.
Parhomek, Michael J.: *See*—
Cooley, Charles M., and Parhomek. 2,975,046.
Parikh, Niranjan M.: *See*—
Humenik, Michael, Jr., and Parikh. 2,974,404.
Parilla, Arthur R. Vehicular fluid springs. 2,993,691, 7–25–61, Cl. 267—65.
Paris, August F. Garment air steam finisher. 2,969,897, 1–31–61, Cl. 223—67.
Paris, August F. Sweater sizing and shaping machine. 3,008,613, 11–14–61, Cl. 223—69.
Paris, Thomas H.: *See*—
Moser, Henry W., Paris, and Paterson. 2,991,953.
Paris, Thomas H., to Tomlon Corp. Hydraulic reversing control. 2,970,579, 2–7–61, Cl. 121—158.
Paris, William W., and D. D. Staker, to Monsanto Chemical Co. Acyclic substituted succinic anhydride condensed with diamines. 3,004,987, 10–17–61, Cl. 260—326.3.
Parish, Harold V. R.: *See*—
Stingel, Frederick J., and Parish. 2,990,903.
Parish, Hubert G.: *See*—
Power, Donnell W., Rose, and Parish. 2,994,042.
Parish, Richard L., Jr., and C. W. Dearing, to American Flange & Mfg. Co., Inc. Container closures and methods. 2,972,431, 2–21–61, Cl. 220—39.
Parisoe, Wilbert, to Oak Mfg. Co. Electromagnetic device. 2,989,668, 6–20–61, Cl. 317—176.
Parisot, Jean: *See*—
Plurten, Pierre, and Parisot. 3,010,536.
Park, Alan B.: *See*—
Park, Don M. and A. B. 3,006,706.
Park, Don M. and A. B., to Metropolis Bending Co. Extensible leg. 3,006,706, 10–31–61, Cl. 311—77.
Park, Edward C., Jr., to Arthur D. Little, Inc. Electrical signal coupling circuit. 2,987,631, 6–6–61, Cl. 307—88.5.
Park, Edward C., Jr., and C. R. Smallman, to Arthur D. Little, Inc. Electrical circuit element. 2,989,714, 6–20–61, Cl. 338—32.
Park, Glenn S., and G. A. Rea, to The Heil Co. High pressure gear pump. 3,000,323, 9–19–61, Cl. 103—126.
Park, Howard O.: *See*—
Gilchrist, James R., and Park. 2,997,732.
Park, John L., Jr., to American Lava Corp. Manufacture of ceramics. 2,966,719, 1–3–61, Cl. 25—156.
Park, Joseph D.: *See*—
Barnes, Carl E., Ney, and Park. 3,009,893.
Park, Kenneth L., to Illinois Tool Works. Apparatus for winding and mounting induction coils. 2,978,005, 4–4–61, Cl. 154—1.6.
Park Mfg. Co.: *See*—
Parkhurst, Edwin H., Jr. 3,006,370.
Park, Orrin J., and H. W. Penman, to The Magee Carpet Co. Loom for weaving pile fabrics. 2,973,785, 3–7–61, Cl. 139—46.
Park, Orrin J., and B. U. Cotner, to The Magee Carpet Co. Loop pile fabric. 2,974,690, 3–14–61, Cl. 139—403.
Park, Orrin J., and B. U. Cotner, to The Magee Carpet Co. Pattern chain control mechanism for gauge looms. 3,001,552, 9–26–61, Cl. 139—46.
Park Plastics Co., Inc.: *See*—
Joffe, Edward J. 2,977,028.
Joffe, Edward J. 3,005,609.
Park, Richard B., to The Fuller Brush Co. Rotary cylindrical brush. 2,978,726, 4–11–61, Cl. 15—183.
Park, Robert E., and D. L. Ridenour, to Pittsburgh Plate Glass Co. Coating mixture containing diisocyanate modified polyester and styrene. 3,008,917, 11–14–61, Cl. 260—45.4.
Park, Robert H., to Brockway Glass Co., Inc. Method for blow molding hollow articles. 3,008,191, 11–14–61, Cl. 18—55.
Park, Robert O., to Baker Oil Tools, Inc. Stop devices for well conduit. 2,986,415, 5–30–61, Cl. 287—52.
Park, Robert W.: *See*—
Brillhart, William O., Garner, and Park. 2,993,812.
Park, Robert W., to American Viscose Corp. Method of laminating cellulose films. 2,975,093, 3–14–61, Cl. 154—136.
Park, Wesley E., and M. J. Wenner, to Automatic Power, Inc. Engine generator set. 2,972,056, 2–14–61, Cl. 290—30.
Park, William R. R.: *See*—
Hill, Richard L., and Park. 2,979,419.
Park, William R. R., and R. D. Foley, to The Dow Chemical Co. Process for preparing heat sealable films, compositions useful therein and the articles produced thereby. 2,991,199, 7–4–61, Cl. 117—138.8.
Parke, Davis & Co.: *See*—
Ames, Donald E., and Grey. 2,995,562.
Brathge, Karl-Hans, and Siedel. 3,010,992.
Cavalla, John F. 2,980,693.
Chen, Graham. 2,991,227.
De Wald, Horace A., and Hylander. 3,000,922.
Dice, John R., and Lopiekes. 2,975,193.
Doub, Leonard, Richardson, and Campbell. 2,998,421.
Ehrlich, John, Knudsen, Bartz, Fusari, and Haskell. 2,996,435.
Ehrlich, John, Knudsen, Bartz, Fusari, Haskell, and Moore. 2,996,500.
Godefroi, Erik F. 2,981,737.
Parcell, Robert F. 2,976,290.
Miller, Charles A. 2,996,580.
Miller, Charles A. 3,004,037.
Miller, Charles A., and Long. 2,993,835.
Miller, Charles A., and Long. 2,994,703.
Moore, Alexander M., Elslager, and Short. 2,981,731.
Parcell, Robert F. 3,007,928.
Short, Franklin W., and Elslager. 2,980,681.
Tendick, Frank H., Thompson, and Elslager. 3,012,036.
Parke, Harry G., to Marine Electric Corp. Self-protecting meter. 2,994,039, 7–25–61, Cl. 324—110.
Parken, Dwight W.: *See*—
Barker, Loren R., Parken, and Kaiser. 3,002,508.
Parker, Alan I., to United States of America, Air Force. Floating seal. 2,985,473, 5–23–61, Cl. 286—26.
Parker, Albert E., to General Dynamics Corp. Fuselage blade sealing using conical surfaces. 2,981,504, 4–25–61, Cl. 244—117.
Parker, Alfred O., to American Cyanamid Co. Method of controlling temperature in reactivating catalysts. 2,981,590, 4–25–61, Cl. 23—1.
Parker Appliance Co., The: *See*—
Stephens, William T. 2,981,200.
Parker, Blanch E.: *See*—
Parker, Edson B., Jr., and B. E. Parker. 3,006,078.
Parker, Brooks O'C. Portable container for liquids. 2,973,119, 2–28–61, Cl. 222—131.
Parker, Charles A., to Monroe Calculating Machine Co. Read-in decoding translator for lister calculators. 2,987,243, 6–6–61, Cl. 235—60.
Parker, Charles S., and A. Melville, ½ each to Bleachers' Assn. Ltd., and Bradford Dyers' Assn. Ltd. Process for making elastic textile materials. 3,001,262, 9–26–61, Cl. 28—72.
Parker, Clarence E., deceased, by F. Parker, executrix, to The Coe Mfg. Co. Apparatus for handling rigid sheet material. 2,967,630, 1–10–61, Cl. 214—6.
Parker, Clarence E., deceased, by F. Parker, executrix, to The Coe Mfg. Co. Apparatus for handling rigid sheet material. 2,981,399, 4–25–61, Cl. 198—31.
Parker, Clarence E., deceased, by F. Parker, executrix, to The Coe Mfg. Co. Apparatus for handling rigid elongated articles. 2,984,838, 5–23–61, Cl. 1—144.
Parker, Clarence E., deceased, by F. Parker, executrix, to The Coe Mfg. Co. Apparatus for handling rigid sheet material. 2,985,322, 5–23–61, Cl. 214—6.
Parker, Daniel, to The Parker Pen Co. Writing instrument. 2,971,283, 2–14–61, Cl. 40—334.

Parker, David E., and K. E. Wetherbee, to United States of America, Navy. Magnetostrictive core production. 2,966,725, 1-3-61, Cl. 29—155.5.

Parker, Donald J.: *See*—
Copping, Geoffrey P., Myers, and Parker. 2,993,594.

Parker, Donald J., to Radio Corp. of America. Protective system against damaging rays. 2,976,758, 3-28-61, Cl. 88—1.

Parker, Donald W., Jr., to Switzer Brothers, Inc. Water emulsifiable composition. 2,978,418, 4-4-61, Cl. 252—312.

Parker, Earl E., to Pittsburgh Plate Glass Co. Combinations of aryl sulfonic acids and triaryl phosphites as catalysts in preparation of polyesters. 3,010,943, 11-28-61, Cl. 260—75.

Parker, Earl E., and K. H. Coultrap, to Pittsburgh Plate Glass Co. Preparation of cellular polyurethane resins. 2,981,700, 4-25-61, Cl. 260—2.5.

Parker, Earl E., and K. H. Coultrap, to Pittsburgh Plate Glass Co. Polyester-urethane foam containing synthetic detergent and method of preparing same. 3,002,937, 10-3-61, Cl. 260—2.5.

Parker, Edgar W., Jr. Hosiery package, and method and apparatus for producing the same. 2,989,178, 6-20-61, Cl. 206—79.

Parker, Edson B., Jr., and B. E. Parker. Drying apparatus. 3,006,078, 10-31-61, Cl. 34—90.

Parker, Edward R.: *See*—
Stevens, Norbert J., Parker, and Yousch. 2,983,235.

Parker, Emery: *See*—
Mack, Gerry P., and Parker. 2,998,441.

Parker, Eric: *See*—
Hansford, Reginald F., and Parker. 3,000,007.

Parker, Eric, to The Decca Record Co. Ltd. Moving target radar apparatus. 2,997,707, 8-22-61, Cl. 343—7.7.

Parker, Ernest G.: *See*—
Avery, Howard, Kingsland, and Parker. 2,979,719.

Parker, Ernest G., to International Telephone and Telegraph Corp. Aerial navigation system. 3,004,256, 10-10-61, Cl. 343—106.

Parker, Frederick, Ltd.: *See*—
Parker, Frederick W. 3,001,338.

Parker, Frederick R. Toy device for launching rotary wing flying objects. 2,994,155, 8-1-61, Cl. 46—83.

Parker, Frederick W., to Frederick Parker Ltd. Plant for washing stone. 3,001,338, 9-26-61, Cl. 51—164.

Parker, Frieda: *See*—
Parker, Clarence E. 2,967,630.
Parker, Clarence E. 2,981,399.
Parker, Clarence E. 2,984,838.
Parker, Clarence E. 2,985,322.

Parker, George: *See*—
Mahony, John P., Ostendorf, Parker, and Vanderlippe. 3,001,010.

Parker, George W.: *See*—
Morrison, Linwood P., Hale, and Parker. 2,994,649.

Parker, Georgia F.: *See*—
Parker, James B., and Saulsbury. 2,982,969.

Parker-Hannifin Corp.: *See*—
Cowdrey, Frank W. 3,011,807.
Davies, Robert H. 2,967,744.
Fitzgibbon, Thomas F. 2,982,306.
Kahelin, Paul H. 2,974,683.
Ksieski, Kazimierz T., and Burton. 2,982,299.
Lansky, Zdenek J. 2,979,350.
Lansky, Zdenek J., and Mulroy. 2,997,318.
Maha, Otto J., and Lansky. 3,011,844.
Nenzell, Joseph F. 2,995,057.
Russell, John G. Re. 24,939.
Russell, John G. 2,974,678.
Schmiel, Herbert H. 3,000,397.
Stephens, William T. 3,014,498.
Stone, John G. 3,011,752.
Webster, William G., Cleminshaw, and Barricklow. 3,013,732.

Parker, Harold C. Support for electrical outlet box. 2,971,737, 2-14-61, Cl. 248—205.

Parker, Harry W.: *See*—
Crawford, Francis W., and Parker. 3,004,595.
Marx, John W., Trantham, and Parker. 3,004,597.
Rogers, Allen S., Hurley, and Parker. 3,004,603.
Trantham, Joseph C., and Parker. 3,007,521.

Parker, Harry W., to Phillips Petroleum Co. Process for controlling path of in situ combustion front. 2,973,813, 3-7-61, Cl. 166—11.

Parker, Harry W., and A. S. Rogers, to Phillips Petroleum Co. Process for recovery of hydrocarbons by in situ combustion. 3,004,596, 10-17-61, Cl. 166—11.

Parker, Horace F., and D. Boardman, to United Kingdom Atomic Energy Authority. Apparatus for sampling liquids. 2,995,037, 8-8-61, Cl. 73—421.

Parker, Howard A., and J. V. Salmi, to United States Steel Corp. Furnace roof and method of making the same. 3,013,510, 12-19-61, Cl. 110—99.

Parker, Humphrey F., and W. H. Devonshire, to Columbus McKinnon Corp. Electric hoist. 2,969,954, 1-31-61, Cl. 254—168.

Parker, Humphrey F., and E. E. Robins, to Columbus McKinnon Chain Corp. Conveyor power chain. 2,981,203, 4-25-61, Cl. 104—94.

Parker, Humphrey F., and E. E. Robins, to Columbus McKinnon Corp. Conveyor power chain load pick-up unit. 3,004,498, 10-17-61, Cl. 104—94.

Parker, Humphrey F., and E. E. Robins, to Columbus McKinnon Corp. Chain conveyors. 3,008,430, 11-14-61, Cl. 104—94.

Parker, James B., and L. S. Saulsbury, ½ to said J. B. Parker, and ½ to G. F. Parker. Raingear. 2,982,969, 5-9-61, Cl. 2—82.

Parker, James M.: *See*—
Bible, Robert E., Dreyfus, Parker, and Williamson. 2,990,939.

Parker, John A.: *See*—
Bushnell, Collins E., and Parker. 2,980,642.
Forsythe, Alan K., and Parker. 2,974,112.

Parker, John A., to Armstrong Cork Co. Polyester containing ester of levulinic acid and pentaerythritol with polymerized polycarboxylic acid. 2,969,338, 1-24-61, Cl. 260—22.

Parker, John A., to Armstrong Cork Co. Diisocyanate-modified acid-treated polyesters. 3,006,897, 10-31-61, Cl. 260—75.

Parker, John A., H. R. Ready, and J. Versnel, to Armstrong Cork Co. Polyesters extended with diallylidene pentaerythritol and compositions containing same. 2,974,116, 3-7-61, Cl. 260—40.

Parker, John A., and J. Versnel, to Armstrong Cork Co. Vinyl resin composition containing 1,3-butylene isophthalate as a plasticizer. 3,011,999, 12-5-61, Cl. 260—45.4.

Parker, John M., and B. K. Wasson, to Charles E. Frosst & Co. 2,2-dialkyl-4-(pyridyl ethyl)-tetrahydrofuran-4-methyl carbamate. 2,971,003, 2-7-61, Cl. 260—295.

Parker, John M., and B. K. Wasson, to Charles E. Frosst & Co. Tetrahydropyranyl derivatives. 3,008,971, 11-14-61, Cl. 260—345.8.

Parker, Joseph, and W. N. Knutsen, to Illinois Tool Works. Paint recovery method. 2,978,344, 4-4-61, Cl. 106—193.

Parker, Karl E.: *See*—
Parker, Shirley L. and K. E. 3,013,529.

Parker, Kenneth, to The Parker Pen Co. Writing instruments. 2,996,044, 8-15-61, Cl. 120—42.

Parker, Kenneth, and J. Norek, to Gilman Engineering & Mfg. Co. Boat. 2,972,322, 2-21-61, Cl. 114—126.

Parker, Konrad, to The Richardson Co. Silicon-nitrogen compositions modified with metallic salts. 3,007,886, 11-7-61, Cl. 260—18.

Parker, Leland C., to The Bendix Corp. Reciprocating electromagnetic motor. 2,994,792, 8-1-61, Cl. 310—18.

Parker, Leland C., to General Motors Corp. Electromagnetic plunger pumps. 3,000,321, 9-19-61, Cl. 103—53.

Parker, Louis W. Rotors for electrical indicating instruments and methods of making the same. 2,974,284, 3-7-61, Cl. 324—150.

Parker, Louis W. Multiple reading instruments and systems for remote indication. 2,974,313, 3-7-61, Cl. 340—183.

Parker Mfg. Co.: *See*—
La Pointe, Gabriel M., and Priest. 2,982,966.

Parker Metal Goods Co.: *See*—
Buczak, Edwin J. 2,991,077.

Parker, Norman S.: *See*—
De Neergaard, Leif E. 2,996,625.

Parker, Paul T.: *See*—
Gladrow, Elroy M., and Parker. 2,967,159.
Gladrow, Elroy M., and Parker. 2,971,904.

Parker Pen Co., The: *See*—
Cadman, Corlis D., Notbohm, and Picha. 2,977,681.
Green, Wilson P. 2,971,495.
Harrington, William J. 2,979,030.
Kersten, William H., and Polan. 3,004,520.
Lockart, Leslie S. 2,992,572.
Parker, Daniel. 2,971,283.
Parker, Kenneth. 2,996,044.

Parker, Ralph E. Method of producing moisture resistant building units. 2,991,190, 7-4-61, Cl. 117—8.

Parker, Raymond H. Marking devices. 3,010,139, 11-28-61, Cl. 15—572.

Parker, Richard G. Soft magnetic material. 2,992,990, 7-18-61, Cl. 252—62.5.

Parker, Robert H.: *See*—
Miller, Harry, and Parker. 2,973,927.

Parker Rust Proof Co.: *See*—
Cavanagh, Walter R. 2,970,935.
Cavanagh, Walter R., and Maurer. 3,007,817.
Halversen, Roy A. 2,967,791.
Keller, Heinz, Brodt, and Lampatzer. 2,979,430.

Parker, Sam E.: *See*—
Edwards, William J. E., and Parker. 2,987,721.

Parker Service Co.: *See*—
Pascucci, William G. 3,007,609.

Parker, Shirley L. and K. E. Livestock feeder. 3,013,529, 12-19-61, Cl. 119—53.

Parker, Sydney R., 15% to A. C. Nolte, Jr. Electro-magnetic clutch mechanism. 2,976,976, 3-28-61, Cl. 192—84.

Parker, Thomas S. Non-condensible gas removal system for refrigerant units. 2,971,352, 2-14-61, Cl. 62—475.

Parker, Warren H., ⅛ to C. W. Butler, and ⅛ to C. Bork. Tool for affixing linings to brake shoes. 2,976,909, 3-28-61, Cl. 154—1.

Parker, Wayne L. Wind rotated attention arresting signal. 2,985,976, 5-30-61, Cl. 40—39.

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Parkhill, Douglas F., D. C. Redpath, and T. C. Ross, to Avco Manufacturing Corp. Digital system of mechanically and electrically compatible building blocks. 2,976,428, 3-21-61, Cl. 307—88.5.

Parkhurst, Edwin H., Jr., to Park Mfg. Co. Control system for actuators. 3,006,370, 10–31–61, Cl. 137—622.

Parkhurst, Robert D. Skipping device. 2,980,423, 4–18–61, Cl. 272—74.

Parkhurst, William R. Automobile-trailer coupling having automatic trailer-brake operating means. 2,969,857, 1–31–61, Cl. 188—112.

Parkin, Bernard A., Jr., and G. W. Hedrick, to United States of America, Agriculture. Terpene derived ester and polymeric derivative thereof. 3,010,944, 11–28–61, Cl. 260—78.3.

Parkin, Leslie, to United-Carr Fastener Corp. Fastening devices. 3,007,726, 11–7–61, Cl. 287—53.

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Gregor, Lawrence V., and Parkins. 2,998,297.

Parkinson, David B., W. C. Roberts, L. Haner, and A. E. Lepley, to Clevite Corp. Seismic equipment. 2,990,535, 6–27–61, Cl. 340—15.

Parkinson, Geoffrey B., to Raytheon Co. Anti-image systems. 2,969,458, 1–24–61, Cl. 250—20.

Parkinson, John: *See*—
Gutkowski, Janusz, and Parkinson. 2,978,107.

Parkinson, Ralph: *See*—
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Parkinson, William C., and E. R. Chatham, to United States of America, Navy. Method and apparatus for measuring the velocity of a projectile. 2,972,142, 2–14–61, Cl. 343—8.

Parkison, Everett R., to Utility Service Co., Inc. Utility wire mast. 2,977,402, 3–28–61, Cl. 174—45.

Parks, Bert H. Fishing reel. 2,993,660, 7–25–61, Cl. 242—84.51.

Parks, Christ F., to The Dow Chemical Co. Sealing porous metal surfaces. 2,976,176, 3–21–61, Cl. 117—97.

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Parks, Edwin S., and H. A. Hollingsworth. Combination lamp and waterer. 2,973,743, 3–7–61, Cl. 119—73.

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Parks, John H., to Caterpillar Tractor Co. Engine governor with stabilizing means. 2,984,112, 5–16–61, Cl. 73—522.

Parks, John H., to Caterpillar Tractor Co. Hydraulically controlled decelerator for engine governor. 2,994,225, 8–1–61, Cl. 73—523.

Parks, Merwin S., ½ to T. E. Nelson. Machine for wrapping. 2,970,417, 2–7–61, Cl. 53—226.

Parks, Robert F., to West Point Mfg. Co. Automatically threading shuttle. 3,010,486, 11–28–61, Cl. 139—223.

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Parlanti, Conrad A. Composite gun barrels. 2,981,155, 4–25–61, Cl. 89—16.

Parlanti, Conrad A. Methods and apparatus for melting and casting metals in a vacuum. 2,983,973, 5–16–61, Cl. 22—212.

Parlanti, Conrad A. Composite nose cone structure. 3,010,398, 11–28–61, Cl. 102—92.5.

Parlato, Frank. Picture puzzle game. 2,984,489, 5–16–61, Cl. 273—157.

Parlour, A. Kenneth, to Tee-Pak, Inc. Food package and packaging film therefor. 2,979,410, 4–11–61, Cl. 99—171.

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Parmeggiani, Gaetano, to Fabbrica Italiana Magneti Marelli S.p.A. Bilateral transmission system. 2,983,918, 5–9–61, Cl. 343—756.

Parmele, Benjamin J. Rotary disc pulverizer. 2,985,391, 5–23–61, Cl. 241—275.

Parmele, Harris B., M. S. Block, C. O. Jensen, and M. W. Brietmeier, to P. Lorillard Co. Tobacco smoke filter manufacture. 3,012,302, 12–12–61, Cl. 28—1.

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Parrish, Esperanza, nee Guandique, J. R. McCartney, and P. W. Morgan, to E. I. du Pont de Nemours and Co. Process for producing fibrids by precipitation and violent agitation. 2,988,782, 6–20–61, Cl. 18—48.

Parrish, J Russell, to Meredith Publishing Co. Circumferentially grooved printing plate cylinder. 3,001,472, 9–26–61, Cl. 101—378.

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Parrish, Norman C., to Lockheed Aircraft Corp. Nestable shock damping container. 2,986,300, 5–30–61, Cl. 220—4.

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Parrish, Russell C., to Riegel Textile Corp. Method and means for forming heavy gloves. 3,010,622, 11–28–61, Cl. 223—78.

Parrish, Russell C., to Riegel Textile Corp. Method and means for forming heavy gloves. 3,010,624, 11–28–61, Cl. 223—78.

Parrish, Russell C., and W. B. Crane, to Riegel Textile Corp. Glove forming means and method. 3,010,623, 11–28–61, Cl. 223—78.

Parrish, Walter A., and W. S. Horton, to Curtiss-Wright Corp. Hydraulic transmission. 2,995,897, 8–15–61, Cl. 60—54.

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Pars, Frank C., to United States of America, Navy. Fuze well assembly and tool. 2,981,189, 4–25–61, Cl. 102—70.

Parsch, Gilbert T., to The McNeil Machine & Engineering Co. Mold carriers for use in rotational casting. 3,000,056, 9–19–61, Cl. 18—43.

Parsen, Philip, to United States of America, Air Force. Wide band microwave receiver. 2,970,214, 1–31–61, Cl. 250—20.

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Parsons, John T., and Harwood. 3,002,181.
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Parsons, Don D. and C. E. Insulated bottle handling cover. 2,974,814, 3–14–61, Cl. 215—13.

Parsons, George. Electronic drum. 3,008,367, 11–14–61, Cl. 84—1.06.

Parsons, George A. Heat actuated device. 3,013,381, 12–19–61, Cl. 60—23.

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Pasin, Antonio. Fiberboard container. 2,993,631, 7-25-61, Cl. 229—22.
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Pasinski, Arthur M., to Burroughs Corp. Carriage overtravel mechanism for business machines. 2,978,172, 4-4-61, Cl. 235—60.5.
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Pask, Andrew G. S., to Solartron Electronic Group Ltd. Apparatus for assisting an operator in performing a skill. 2,984,017, 5-16-61, Cl. 35—8.
Paskell, Ernest, to McGraw-Edison Co. Protective device. 2,990,300, 6-27-61, Cl. 117—200.
Paskell, Ernest, to Battelle Memorial Institute. Semiconductor devices and their manufacture. 2,994,628, 8-1-61, Cl. 148—1.5.
Paskowski, Walter B., and L. P. Pratson. Clutch. 2,966,974, 1-3-61, Cl. 192—67.
Paslay, Le Roy C., C. B. Brown, and N. N. Estes. Crystal hydrophone. 2,983,901, 5-9-61, Cl. 340—10.
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Passal, Frank, to Metal & Thermit Corp. Electrodeposition of bright nickel. 3,008,883, 11-14-61, Cl. 204—49.
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Pataillot, Everett F. and E. L. Clothes dryer. 2,985,967, 5-30-61, Cl. 34—133.
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Patch, Philip G. Power driven street sweeper. 3,006,021, 10-31-61, Cl. 15—340.
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Patchett, Arthur A., to Merck & Co., Inc. Steroidal spirotetrahydro-furans and process therefor. 3,008,960, 11-14-61, Cl. 260—239.57.
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Patelhold Patentverwertungs- & Elektro-Holding A.-G.: *See*—
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Patelli, Bianca: *See*—
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Patent License Corp.: *See*—
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Patentauswertung Vogelbusch Gesellschaft m.b.H.: *See*—
Markhof, Gustav M. 3,010,881.
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Patent-Treuhand-Gesellschaft fur Elektrische: *See*—
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Patent-Treuhand-Gesellschaft fur Elektrische, Gluhlampen m.b.H.: *See*—
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Patera, Jaromir, to Bata Shoe Co., Inc. Apparatus for making a shoe with molded sole. 2,994,920, 8–8–61, Cl. 18—30.
Patera, Jaromir, to Bata Shoe Co., Inc. Automatic injection molding apparatus. 3,005,235, 10–24–61, Cl. 18—30.
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Paton, Hamilton N. K., to Mervin & Co. Apparatus for pumping materials. 2,990,048, 6–27–61, Cl. 198—1.
Paton, Sidney F. Magnetic filter for fuel systems and mounting therefor. 2,976,999, 3–28–61, Cl. 210—223.
Paton, Sidney F. Device for maintaining quality of lubricating oil. 2,980,257, 4–18–61, Cl. 210—223.
Patrichi, Mihai D., to Networks Electronic Corp. Electrical component with improved metal-to-glass end sealing mechanism. 2,974,761, 3–14–61, Cl. 189—36.5.
Patrick, Charles T., Jr.: *See*—
McGary, Charles W., Jr., and Patrick. 2,985,616.
McGary, Charles W., Jr., and Patrick. 2,999,827.
McGary, Charles W., Jr., and Patrick. 3,000,848.
Phillips, Benjamin, McGary, and Patrick. 2,982,752.
Patrick, Colin R.: *See*—
Banks, Ronald E., Barbour, Patrick, and Tatlow. 3,004,077.
Patrick, Colin R., M. Stacey, and J. C. Tatlow, to National Research Development Corp. Manufacture of fluorinated aromatic compounds. 3,000,976, 9–19–61, Cl. 260—650.
Patrick, Harold R.: *See*—
Patrick, Willard T. and H.R. 2,998,043.
Patrick, Malcolm W., to Hupp Corp. Fluid burning heaters. 2,973,033, 2–28–61, Cl. 158—28.
Patrick, Malcolm W., and W. M. Day, to Hupp Corp. Radiant heaters. 2,980,104, 4–18–61, Cl. 126—271.2.
Patrick, Milton L.: *See*—
Timothy, Keith O., and Patrick. 2,977,583.
Patrick, Willard T. and H. R. Traction device. 2,998,043, 8–29–61, Cl. 152—220.
Patridge, Leonard F. Ingredient handling. 2,987,016, 6–6–61, Cl. 107—54.
Patrignani, Théo. Motion transmitting mechanism. 3,009,723, 11–21–61, Cl. 292—33.
Patriquin, George P., and N. R. Adler, to Independent Lock Co. Chain fastener device. 2,981,090, 4–25–61, Cl. 70—93.
Patriquin, William G., to the Gabriel Co. Shock absorbers. 3,003,595, 10–10–61, Cl. 188—88.
Patrol Valve Co., The: *See*—
Vixler, Leslie F. 3,012,958.
Patron, Germano: *See*—
Ferri, Antonio, and Patron. 2,981,760.
Patron, Germano, and A. Ferri, to Sicedison Sct. Method of stabilizing trichloroethylene and stabilizing composition therefor. 3,000,977, 9–19–61, Cl. 260—652.7.
Patron, Germano, and M. Scatena, to Sicedison S.p.A. Process for purifying acrylonitrile. 3,007,853, 11–7–61, Cl. 202—57.
Patros, George C., and W. H. Stark, to Gravity Baler, Inc. Scrap baling press. 2,986,992, 6–6–61, Cl. 100—218.
Patry, Jean: *See*—
Braun, Arnold, and Patry. 2,998,598.
Pattenden, Warren C.: *See*—
Bonmartini, Francesco G., and Pattenden. 3,000,821.
Norton, James H., and Pattenden. 2,988,507.
Sproule, Lorne W., King, and Pattenden. 2,988,506.
Pattenden, Warren C., S. B. Baker, and J. H. Norton, to Esso Research and Engineering Co. Lubricants containing salts and esters of oxygen-containing acids of phosphorus. 2,982,727, 5–2–61, Cl. 252—32.8.
Pattenden, Warren C., R. J. Plumstead, and S. B. Baker, to Esso Research and Engineering Co. Lubricating compositions containing phosphonic acid salts. 2,991,244, 7–4–61, Cl. 252—32.5.
Patterson, Alvis R.: *See*—
Hollinger, W. K. and R. H., and Patterson. 2,967,116.
Patterson, C. J., Co.: *See*—
Beaman, Norman V., and Broomall. 2,978,096.
Hampton, William B., and Thomason. 2,988,021.
Patterson, Charles R. Automatic pasting machine for paper sheets or the like. 2,982,979, 5–9–61, Cl. 11—1.
Patterson, Delbert. Fluttering type artificial lure. 3,003,276, 10–10–61, Cl. 43—42.15.
Patterson, Edward B., to Arthur H. Thomas Co. Test tube rack. 2,979,210, 4–11–61, Cl. 211—74.
Patterson, Eugene B., R. E. Gray, and E. E. Rice, to Swift & Co. Soap in animal feed. 3,010,828, 11–28–61, Cl. 99—2.
Patterson Freezer Corp.: *See*—
Franklin, John J. 2,993,345.
Patterson, George W. Hydrofoil structures. 2,991,749, 7–11–61, Cl. 114—132.
Patterson, George W. Manually propelled boat. 3,003,457, 10–10–61, Cl. 115—25.
Patterson, George W., R. H. Schafer, and D. L. Stevens, to Burroughs Corp. Address selection means. 3,014,660, 12–26–61, Cl. 235—157.
Patterson, Howard W.: *See*—
Frederick, Leroy S. 3,001,303.
Patterson, Hugh W.: *See*—
Marquis, Duane E., Miller, and Patterson. 2,976,930.
Patterson, James R., W. H. Williams, and J. J. Freeman, to Neville Chemical Co. Chlorination of coumarone-indene resins. 2,996,485, 8–15–61, Cl. 260—81.
Patterson, Joe A. Seed treating apparatus. 3,013,776, 12–19–61, Cl. 259—57.
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Patterson, John A., and H. V. Atwell, to Texaco Inc. Process for preparing urea and an aromatic amine. 2,993,931, 7–25–61, Cl. 260—555.
Patterson, John D. Salvage apparatus for damaged ships and airplanes. 2,989,938, 6–27–61, Cl. 114—50.
Patterson, Mervin R., to Runyen Mfg. Co. Plenum type muffler. 2,996,139, 8–15–61, Cl. 181—41.
Patterson, Morehead, to American Machine & Foundry Co. Convertible bowling pin spotting machine. 2,973,963, 3–7–61, Cl. 273—43.
Patterson, Morehead, to American Machine & Foundry Co. Band saw type bread slicing machine. 2,984,275, 5–16–61, Cl. 146—88.
Patterson, Morehead, and J. Zuercher, to American Machine & Foundry Co. Ball delivery mechanism for bowling pin spotting machines. 2,969,982, 1–31–61, Cl. 273—49.
Patterson, Omar L., to Sun Oil Co. Computing circuits. 2,978,178, 4–4–61, Cl. 235—193.
Patterson, Omar L., to Sun Oil Co. Apparatus for providing variable impedances. 2,985,372, 5–23–61, Cl. 235—184.
Patterson, Ralph E., to GPE Controls, Inc. Auxiliary relay power unit control. 2,979,035, 4–11–61, Cl. 121—41.
Patterson, Raymond B., to James Lees and Sons Co. Float weaving with semi-oriental jacquard. 2,986,170, 5–30–61, Cl. 139—59.
Patterson, Raymond B., and H. J. Smiley, to James Lees and Sons Co. Method of weaving. 2,981,291, 4–25–61, Cl. 139—39.
Patterson, Richard F. Aerodynamic drag device. 2,998,949, 9–5–61, Cl. 244—145.
Patterson, Robert A. Valve for pressure indicating device. 2,992,653, 7–18–61, Cl. 137—228.
Patterson, Robert A., to The Sanford-Day Iron Works, Inc. of Tennesse. Car spotting mechanisms. 2,994,282, 8–1–61, Cl. 104—162.
Patterson, Robert C.: *See*—
Hunter, Arthur T., Patterson, and Lewis. 2,976,853.
Patterson, Robert G. Power feeds for edge planers. 2,998,040, 8–29–61, Cl. 144—247.
Patterson, Roy G. Air brake safety control for vehicles. 2,977,155, 3–28–61, Cl. 303—2.
Patterson, Walter G., to Atlantic Steel Co. Wire coil carrier. 3,000,589, 9–19–61, Cl. 242—115.
Pattilloch, Donald K., to Michigan Research Laboratories, Inc., and Electro-Chem Fiber Seal Corp. Process for producing laminated board. 3,014,834, 12–26–61, Cl. 162—132.
Pattin Mfg. Co., Inc.: *See*—
Dempsey, Joseph B. 2,988,950.
Pattison, Jack E., to Clark Equipment Co. Industrial truck mast. 2,986,236, 5–30–61, Cl. 187—9.
Pattison, Jack E., to Clark Equipment Co. Stability demonstrator. 3,003,254, 10–10–61, Cl. 35—19.
Patton, Abner P.: *See*—
Blondheim, William S., and Patton. 2,989,821.
Patton, Franklin S. Container cover. 2,973,114, 2–28–61, Cl. 220—42.
Patton, George, Jr., and S. Zirinsky, to United States of America, Atomic Energy Commission. Eccentric rolling of powder and bonding agent into spherical pellets. 2,986,772, 6–6–61, Cl. 18—1.

Patton, James L.: *See*—
Stanford, George W., and Patton. 2,969,316.
Patton, James L., G. W. Stanford, and C. Bednars, to The M. W. Kellogg Co. Hydrocarbon conversion system. 3,007,862, 11–7–61, Cl. 208—65.
Patton, John D., to The Firestone Tire & Rubber Co. Device for measuring the flow of liquids. 2,995,933, 8–15–61. Cl. 73—213.
Patton, Paul W.: *See*—
Baer, Charles A., Clough, and Patton. 3,012,904.
Patton, Theodore E.: *See*—
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Patz, Paul, and E. A. Graetz. Silage unloader. 3,013,673, 12–19–61, Cl. 214—17.
Patz, Paul, and E. A. Graetz. Silage unloading mechanism. 3,013,674, 12–19–61, Cl. 214—17.
Patzelt, Harold I.: *See*—
Gregor, Harry P., and Patzelt. 3,004,904.
Gregor, Harry P., and Patzelt. 3,004,909.
Patzer, William A., to S. B. Atwood. Currency testing and selecting device. 2,967,452, 1–10–61, Cl. 88—14.
Patzias, Termachos, now by change of name Terry Patzias. Method of recovering potassium sulphate from cement kiln flue dust. 2,991,154, 7–4–61, Cl. 23—121.
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Patzias, Termachos. 2,991,154.
Paugh, Fred E. Compressor. 3,008,631, 11–14–61, Cl. 230—158.
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Paul, Albert, to Borg-Warner Corp. Plug-in pump assembly. 3,000,543, 9–19–61, Cl. 222—333.
Paul, Bert B., and S. Petursson, to Jacobs & Thompson Ltd. Frameless storm windows. 2,975,491, 3–21–61, Cl. 20—55.
Paul, Carlton H., and H. J. Wood, to The Garrett Corp. Gas turbine and sealing means therefor. 3,014,694, 12–26–61, Cl. 253—55.
Paul, Charles E., ½ to L. Z. Paul. Tumbler toy. 2,998,249, 8–29–61, Cl. 272—31.
Paul, Ernst: *See*—
Mosch, Willi, Thiele, Paul, and Zabel. 2,969,495.
Paul, Frederic E., to Wildman Jacquard Co. Method of knitting. 2,984,999, 5–23–61, Cl. 66—93.
Paul, Frederic E., to Wildman Jacquard Co. Element support means for knitting machines. 3,010,300, 11–28–61, Cl. 66—93.
Paul, Frederick W., and V. F. Sepavich, to Crompton & Knowles Corp. Stopping mechanism for loom. 2,981,295, 4–25–61, Cl. 139—336.
Paul, Frederick W., and D. G. Willard, to Crompton & Knowles Corp. Electric protection for loom. 2,981,296, 4–25–61, Cl. 139—341.
Paul, Gerald R.: *See*—
Morris, Frank A., Foote, and Paul. 2,995,411.
Paul, James R.: *See*—
West, Samuel R., Thompson and Paul. 2,975,834.
Paul, James T., Jr., to Hercules Powder Co. Blasting cap assembly. 2,996,987, 8–22–61, Cl. 102—28.
Paul, John, to National Research Development Corp. Apparatus for culture of biological cells and tissues. 2,975,553, 3–21–61, Cl. 47—1.
Paul, Julien, to United Merchants and Manufacturers, Inc. Concentrates for producing emulsions. 2,995,414, 8–8–61, Cl. 8—70.
Paul, Julius C. Combined propelling and steering assembly. 2,972,327, 2–21–61, Cl. 115—35.
Paul, Lena Z.: *See*—
Paul, Charles E. 2,998,249.
Paul, Mahrle F. Fifth wheel weight distributor. 2,996,312, 8–15–61, Cl. 280—406.
Paul, Manfried: *See*—
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Paul, Mercer H., ½ to A. Vaszin. Tool holding means. 2,992,472, 7–18–61. Cl. 29—96.
Paul, Nathan, and C. D. Reece, to Mard Continental, Inc. Artificial tree package. 3,003,623, 10–10–61, Cl. 206—46.
Paul, Nathan, and C. D. Reece, to Mard Continental, Inc. Miniature artificial Christmas tree. 3,014,300, 12–26–61, Cl. 41—15.
Paul, Richard S.: *See*—
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Paul, Ronald S., to United States of America, Atomic Energy Commission. Fuel slug rupture detector. 2,974,096, 3–7–61, Cl. 204—193.2.
Paul, Stanley: *See*—
Best, Ronald L., Crossley, Paul, Pardun, and Soeters. 2,975,060.
Best, Ronald L., Soeters, Davies, and Paul. 3,012,891.
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Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,061.
Soeters, Cornelis J., Pardun, Crossley, and Paul. 2,975,062.
Paul, Stanley, and A. Crossley, to Lever Bros. Co. Cocoa-butter substitutes, process of preparing same and composition containing said substitutes. 2,975,063, 3–14–61, Cl. 99—118.
Paulding, Herbert L., and R. T. Yu, to Dow Jones & Co., Inc. Punched tape control mechanism. 2,973,897, 3–7–61, Cl. 234—3.
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Zechnall, Richard, and Paule. 2,982,276.
Paulet, Emile G., to Jersey Production Research Co. Self-adjusting floating roof for storage reservoirs. 2,986,302, 5–30–61, Cl. 220—26.
Paull, Charles D., Jr. Dispensing applicators. 2,972,766, 2–28–61, Cl. 15—136.
Paulin, William P., to Canadian General Electric Co., Ltd. Automatically controlled electric kettle. 2,987,607, 6–6–61, Cl. 219—44.
Pauling, Harry, to L. Simon. Production of oxycellulose material. 3,007,917, 11–7–61, Cl. 260—212.
Paulison, William L., Jr., to Bailey Meter Co. Vapor generating and superheating operation. 2,985,152, 5–23–61, Cl. 122—479.
Paull, Ambrose D., to Wheeling Stamping Co. Manufacture of threaded plastic nipples. 3,006,030, 10–31–61, Cl. 18—16.5.
Paull, Charles F., and R. H. Chorpenning, to The Astatic Corp. Microphone construction. 3,007,013, 10–31–61, Cl. 179—121.
Paull, Peter L.: *See*—
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Paull, Peter L., to Texaco Development Corp. Hydrocarbon conversion process. 2,976,134, 3–21–61, Cl. 48—215.
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Pauls, Theron F., to Olin Mathieson Chemical Corp. Method of manufacturing heat exchangers. 2,999,304, 9–12–61, Cl. 29—157.3.
Pauls, Theron F., to Olin Mathieson Chemical Corp. Heat exchanger. 2,999,308, 9–12–61, Cl. 29—157.3.
Paulsen, Hans C., to B. B. Chemical Co. Apparatus for handling thermo-responsive cements. 2,969,056, 1–24–61, Cl. 126—343.5.
Paulsen, Hans C., to United Shoe Machinery Corp. Cement handling apparatus. 2,970,591, 2–7–61, Cl. 126—343.5.
Paulsen, Hans C., to United Shoe Machinery Corp. Cement handling apparatus. 2,983,270, 5–9–61, Cl. 126—343.5.
Paulsen, Hans C., to United Shoe Machinery Corp. Machines for roughing outsoles. 2,990,560, 7–4–61, Cl. 12—17.
Paulsen, Hans C., to B. B. Chemical Co. Methods and devices for mixing and discharging fluid components. 2,992,194, 7–11–61, Cl. 260—2.5.
Paulsen, Hans C., to B.B. Chemical Co. Winding machine. 2,996,263, 8–15–61, Cl. 242—39.
Paulsen, Hans C., C. W. Roop, and C. Rossitto, to B. B. Chemical Co. Apparatus for producing plastic sheeting. 3,007,200, 11–7–61, Cl. 18—15.
Paulsen, Jean F., to Société Luxembourgeoise de Brevets et de Participations. Railway trucks and similar carriages. 2,981,207, 4–25–61, Cl. 105—187.
Paulsen, Jean-Felix, to Societe Luxembourgeoise de Brevets et de Participations. Damping apparatus, particularly of articulated type, for suspension systems or other oscillating assemblies. 3,006,627, 10–31–61, Cl. 267—57.1.
Paulsen, Robert C.: *See*—
Bloch, Erich, and Paulsen. 2,978,593.
Paulsen, Thorwell H., to Ashland Oil & Refining Co. Production of phenols. 2,998,457, 8–29–61, Cl. 260—621.
Paulsen, William F., to E. I. du Pont de Nemours and Co. Strand delivery. 2,971,683, 2–14–61, Cl. 226—97.
Paulshock, Marvin. Method of stimulating plant growth. 3,001,859, 9–26–61, Cl. 71—2.3.
Paulson, Christian, to Western Electric Co., Inc. Method of aligning pins on an article. 2,971,555, 2–14–61, Cl. 153—32.
Paulson, Everett L., to Fairley, Inc. Shell dredger. 2,978,819, 4–11–61, Cl. 37—57.
Paulson, John O., to Astro-Dome, Inc. Water-tight shutter construction for observatory domes. 2,996,844, 8–22–61, Cl. 50—51.
Paulson, Loree A. D., to Ingersoll-Rand Co. Rock drill. 3,005,443, 10–24–61, Cl. 121—25.
Paulson, Nils I., to Halsam Products Co. Toy building blocks. 2,968,118, 1–17–61, Cl. 46—19.
Paulson, Richard. Pedestrian safety crossing sign. 2,967,293, 1–3–61, Cl. 340—107.
Paulson, Rueben E.: *See*—
Albertson, Victor N., and Paulson. 2,982,153.
Paulson, Russell E. Method and machine for surfacing track ties. 2,975,725, 3–21–61, Cl. 104—9.
Paulson, Russell E. Method and machine for removing skewed track ties. 2,975,726, 3–21–61, Cl. 104—9.
Paulson, Thomas V. Two-part plastic container. 2,999,611, 9–12–61, Cl. 220—4.
Paulson, W. W., & Co.: *See*—
Anderson, Ivan. 2,976,424.
Paulsrude, Philip M.: *See*—
Morseth, Richard H., and Paulsrude. 2,994,371.
Paulsrude, Philip M., to Wood Specialty Products, Inc. Multiple slat type folding door. 2,978,020, 4–4–61, Cl. 160—183.
Paulus, Max P.: *See*—
Guillaud, Charles L., Villers, and Paulus. 2,995,518.
Pauly Jail Building Co.: *See*—
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Pauly, William H.: *See*—
Meulemans, Benedict E., and Pauly. 3,006,769.

Paustian, John E.: *See*—
Cohen, Murray S., and Paustian. 2,983,575.
Gould, Jack R., and Paustian. 2,977,387.

Pavalow, Melvin: *See*—
Litman, Bernard, Pavalow, Savet, and Statsinger. 2,976,733.

Pavelek, Sandy E. Scribing instrument. 2,982,022, 5–2–61, Cl. 30—164.9.

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Paveza, Charles, to The Formfit Co. Foundation garment. 2,982,287, 5–2–61, Cl. 128—542.

Pavia, Charles. Apparatus for processing materials. 2,971,679, 2–14–61, Cl. 222—142.

Pavia, Charles. Comminuting device. 3,008,505, 11–14–61, Cl. 146—184.

Pavlath, Attila E., to Stauffer Chemical Co. Fluorination of aromatic compounds. 2,993,937, 7–25–61, Cl. 260—646.

Pavlecka, John. Airfoil structure. 2,999,658, 9–12–61, Cl. 244—124.

Pavlecka, John. Airfoil structure. 3,002,717, 10–3–61, Cl. 244—124.

Pavlecka, John. Panel structure. 3,012,639, 12–12–61, Cl. 189—34.

Pavlecka, Vladimir H. Sub-atmospheric gas turbine circuits. 2,986,882, 6–6–61, Cl. 60—39.15.

Pavlecka, Vladimir H. Supercharger using centripetal flow compressor and centrifugal flow turbine. 2,990,104, 6–27–61, Cl. 230—116.

Pavlic, Mary C., to The Hoover Co. Electrically conductive extensible hose. 2,998,474, 8–29–61, Cl. 174—47.

Pavlick, George R., to The Bendix Corp. Exhaust area control for gas turbine engines. 2,972,858, 2–28–61, Cl. 60—35.6.

Pavlin, James S.: *See*—
Bishop, Richard B., and Pavlin. 2,979,476.

Pavlo, Hattie M. Portable ironing board. 2,994,144, 8–1–61, Cl. 38—107.

Pavlovic, Dusan, and K. Foster, to Westinghouse Electric Corp. Low remanence high aluminum-iron. 2,980,563. 4–18–61, Cl. 148—121.

Pavlovic, Dusan, and K. Foster, to Westinghouse Electric Corp. Heat treatment of high aluminum-iron alloys. 3,005,738, 10–24–61, Cl. 148—120.

Pavuk, John S.: *See*—
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Pawela, Albert C., ½ to Dillard Tractor Co., Inc. Mower cultivator and fertilizer distributor. 2,974,616, 3–14–61, Cl. 111—11.

Pawela, Albert C., ½ to Dillard Tractor Co., Inc. Banker and sprayer. 3,012,371, 12–12–61, Cl. 47—1.7.

Pawela, Albert C., ½ to Dillard Tractor Co., Inc. Debanker. 3,012,615, 12–12–61, Cl. 172—78.

Pawlak, Joseph A.: *See*—
Hauge, Hans M., and Pawlak. 2,970,062.
Schroeder, Herbert M., Pawlak, and Waythomas. 2,996,464.

Pawlowski, Walter F. Automatic control mechanism for reeling and unreeling. 2,988,297, 6–13–61, Cl. 242—75.53.

Paxton, Floyd G. Gluing machine. 3,001,570, 9–26–61, Cl. 156—378.

Paxton, Gerald C., to General Nailing Machine Corp. Automatic box destacking and dumping machine. 3,013,680, 12–19–61, Cl. 214—307.

Paxton, Kenneth P.: *See*—
Paxton, Stanley K. and K. P., and Evans. 2,984,837.

Paxton Sales Corp.: *See*—
Paxton, Stanley K. and K. P., and Evans. 2,984,837.

Paxton, Stanley K. and K. P., and E. E. Evans, to Paxton Sales Corp. Carton stapling machine. 2,984,837. 5–23–61, Cl. 1—106.

Paxton, Stephen J., M. H. Ring, and M. Tarsuk. Heating duct damper. 3,007,673, 11–7–61, Cl. 251—297.

Payer, Howard F.: *See*—
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Payer, Rodolphe L., to N. Slater Co, Ltd. Gripping surface for preformed helical rods. 2,998,696, 9–5–61, Cl. 57—145.

Payne, Elmer C., to Sylvania Electric Products Inc. Electroluminescent lamp. 2,980,816, 4–18–61, Cl. 313—108.

Payne, Emory T., and R. A. Seybert, to Clayton Anderson & Co. Liquid shortening method. 2,999,022, 9–5–61, Cl. 99—118.

Payne, George B., to Shell Oil Co. Epoxy esters and preparation thereof. 2,980,706, 4–18–61, Cl. 260—348.

Payne, George B., to Shell Oil Co. Epoxy nitrile process. 2,980,708, 4–18–61, Cl. 260—348.

Payne, George B., to Shell Oil Co. Epoxidation of carbonyl compounds with hydroperoxides. 3,013,024, 12–12–61, Cl. 260—348.5.

Payne, George B., and W. J. Sullivan, to Shell Oil Co. Epoxy alcohol production. 3,005,832, 10–24–61, Cl. 260—348.

Payne, Harold R., to Chrysler Corp. Engine structure. 3,001,518, 9–26–61, Cl. 123—55.

Payne, James H.: *See*—
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Payne, James T. Material handling device. 2,972,763, 2–28–61, Cl. 15—1.5.

Payne, Nigel E., and E. F. Sheldon, to Rolls-Royce Ltd. Stator construction for rotary fluid machine. 2,999,670, 9–12–61, Cl. 253—78.

Payne, Paul D., Jr., to Philco Corp. Method of applying an electroconductive film to a vitreous surface. 3,005,731, 10–24–61, Cl. 117—211.

Payne, Paul H., to Owens-Illinois Glass Co. Method for forming neck finishes on glass containers. 2,987,854, 6–13–61, Cl. 49—80.

Payne, Robert E., to The Sharples Corp. Cyclone separator. 2,996,187, 8–15–61, Cl. 209—211.

Payne, Thomas S., and T. L. Graves, to Burlington Industries, Inc. Method of slitting thermoplastic knitted fabric as it is being knitted. 2,995,021, 8–8–61, Cl. 66—147.

Payne, Thomas S., and T. L. Graves, to Burlington Industries, Inc. Apparatus for slitting thermoplastic knitted fabric as it is being knitted. 2,995,912, 8–15–61, Cl. 66—147.

Payne, Vivian H. Energy storage or accumulator device. 2,979,070, 4–11–61, Cl. 137—192.

Payne, William F.: *See*—
Gallo, Elia A., and Payne. 2,999,354.

Payne, William H.: *See*—
Payne, William H., II and W. H. Payne. 2,981,195.

Payne, William H., II, and W. H. Payne. Fluid flow motor control. 2,981,195, 4–25–61, Cl. 103—25.

Payne, Winfield S., Jr., to Richfield Oil Corp. Multiple zone fluid circulating apparatus. 2,973,039, 2–28–61, Cl. 166—224.

Paynter, Donald A., to General Electric Co. Cathode ray tube deflection circuit. 2,996,641, 8–15–61, Cl. 315—27.

Paynter, Donald A., to General Electric Co. Converter. 3,007,045, 10–31–61, Cl. 250—20.

Paynton, Harold G., Sr. Archery package. 2,975,888, 3–21–61, Cl. 206—45.34.

Payton, Joseph E.: *See*—
Arms, Milo F., and Payton. 3,013,565.

Payton, Leland R., to Reynolds Metals Co. Aluminum casting system. 2,994,102, 8–1–61, Cl. 18—2.6.

Pazandak, Louis A., to Halvorson Trees, Inc. Apparatus for mounting trees in stands therefor. 2,998,674, 9–5–61, Cl. 47—1.

Pazmany, Zoltan: *See*—
Scott, John F., King, and Pazmany. 3,013,751.

Pazzano, Frederick F. Drinking-glass holder and mount. 2,995,333, 8–8–61, Cl. 248—230.

Peabody, Donald W.: *See*—
Rogers, Thomas H., Jr., and Peabody. 2,975,146.

Peabody Engineering Corp.: *See*—
Monk, Denis A. 2,984,297.

Peabody Seating Co., Inc.: *See*—
Fields, Clesent O. 2,970,635.

Peach, Charles E.: *See*—
Oleesky, Samuel S., Peach, Speen, and McClure. 3,002,190.

Peacock, Edward A., and G. L. Harvey. Boiler drum expansion joint assembly. 2,990,818, 7–4–61, Cl. 122—494.

Peacock, Roy L. Tire-truing machine. 3,003,545, 10–10–61, Cl. 157—13.

Peaks, William O. Apparatus for semifreezing beverages. 2,979,920, 4–18–61, Cl. 62—342.

Peale, Louise F., and J. F. Messina, to United States of America, Army. Lubricating oil compositions. 2,996,452, 8–15–61, Cl. 252—49.8.

Peale, Louise F., and J. F. Messina, to United States of America, Army. Lubricating oil composition. 2,996,453, 8–15–61, Cl. 252—49.8.

Peale, Louise F., and J. F. Messina, to United States of America, Army. Lubricating oil composition. 2,997,442, 8–22–61, Cl. 252—49.8.

Pealer, Robert B., to Beaver Pipe Tools, Inc. Pipe working tool. 2,966,819, 1–3–61, Cl. 82—93.

Peak, Maitland J., and R. H. Jensen. Lamp socket and circuit connecting means for edge lighted panel. 2,987,695, 6–6–61, Cl. 339—130.

Pear, Arthur W., Jr., to Lambert Brake Corp. High-speed disc brake. 3,010,543, 11–28–61, Cl. 188—72.

Pear, Charles B., Jr., to Minneapolis-Honeywell Regulator Co. Web transport speed control. 2,977,422, 3–28–61, Cl. 179—100.2.

Pearce Development Co.: *See*—
Pearce, Lewis C. 2,977,716.
Pearce, Lewis C. 2,977,734.

Pearce, Frank G.: *See*—
Baldner, Robert L., and Pearce. 2,996,890.

Pearce, Frank G., to Pan American Petroleum Corp. Apparatus for separation of mixtures. 3,003,640, 10–10–61, Cl. 210—189.

Pearce, Frank G., and S. W. Walker, to Pan American Petroleum Corp. Processing gas mixtures. 2,977,771, 4–4–61, Cl. 62—13.

Pearce, George C., to General Motors Corp. Domestic appliance. 3,009,458, 11–21–61, Cl. 126—340.

Pearce, Howard R. Indexed memoranda device. 3,001,800, 9–26–61, Cl. 281—33.

Pearce, James G., G. Sager, and A. E. Sowers, to General Dynamics Corp. Magnetic relay reset system. 2,968,749, 1–17–61, Cl. 317—148.

Pearce, John W., to S. C. Johnson & Son, Inc. Process for preparing epoxide compositions using a dehydrated acid cation exchange resin catalyst. 2,976,265, 3–21–61, Cl. 260—75.

Pearce, Lewis C., to Pearce Development Co. Method of removing trees. 2,977,716, 4–4–61, Cl. 47—58.

Pearce, Lewis C., to American Greetings Corp. Sheet distributing mechanism and receptacle conveyor. 2,977,733, 4–4–61, Cl. 53—154.

Pearce, Lewis C., to Pearce Development Co. Envelope banding machine. 2,977,734, 4–4–61, Cl. 53—198.

Pearce, Lewis C., to American Greetings Corp. Collating machine. 2,998,972, 9–5–61, Cl. 270—58.

Pearce, Roscol L.: *See*—
De Woody, Charles M., and Pearce. 2,979,594.
Pearch, Leonard C. Air blast sprayer. 2,978,185, 4–4–61, Cl. 239—77.
Pearl, Bertram A., to Pyrotenax Ltd. Stripping tools for electric cables. 3,010,205, 11–28–61, Cl. 30—95.
Pearl, Carl E.: *See*—
Cohen, Murray S., and Pearl. 2,990,239.
Pearl, Carl E., to Thiokol Chemical Corp. Beta-ethoxyethyldecaborane and method for its manufacture. 2,977,391, 3–28–61, Cl. 260—606.5.
Pearl, Curtis F., to Stacor Equipment Co. Clamping devices. 3,014,258, 12–26–61, Cl. 24—251.
Pearl, Irwin A., to The Institute of Paper Chemistry. Fungicide recovery from cabbage palmetto. 2,983,724, 5–9–61, Cl. 260—236.5.
Pearl, Irwin A., to Sulphite Products Corp. Preparation of para-hydroxybenzoic acid. 2,996,540, 8–15–61, Cl. 260—521.
Pearl, John J., to Cascades Plywood Corp. Double edge veneer jogger and jointer. 3,006,389, 10–31–61, Cl. 144—117.
Pearlman, Donald, to Eastman Kodak Co. Photoconductive cadmium sulfide and method of preparation thereof. 2,995,474, 8–8–61, Cl. 117—211.
Pearman, Lawrence. Automatic sampler. 3,005,346. 10–24–61, Cl. 73—421.
Pearne, Florentin J.: *See*—
Duncan, John Y., and F. J. and F. S. Pearne. 2,992,477.
Pearne, Frank S.: *See*—
Duncan, John Y., and F. J. and F. S. Pearne. 2,992,477.
Johnson, Carl H., and Pearne. 3,011,750.
Pearsall, Bobbie J.: *See*—
Pearsall, Harold C. 2,968,024.
Pearsall, Earle S. Valve structure. 2,967,544, 1–10–61, Cl. 137—622.
Pearsall, Harold C., 17% to J. G. Pearsall, Sr., 17% to J. G. Pearsall, Jr., and 16% to B. J. Pearsall. Signaling means for vehicles and the like. 2,968,024, 1–10–61, Cl. 340—81.
Pearsall, Joel G., Jr.: *See*—
Pearsall, Harold C. 2,968,024.
Pearsall, Joel G., Sr.: *See*—
Pearsall, Harold C. 2,968,024.
Pearsall, Ralph E., to United Shoe Machinery Corp. Lasting machines. 2,980,930, 4–25–61, Cl. 12—1.
Pearson, Alfred J., to British Transport Commission. Ticket issuing machines. 3,002,448, 10–3–61, Cl. 101—66.
Pearson, Arthur W., to Electric & Musical Industries Ltd. Route selection in a conveyor system. 2,990,936, 7–4–61, Cl. 198—38.
Pearson, Ben, Inc.: *See*—
Haun, Carl B., and Maupin. 2,995,274.
Pearson, Carl E.: *See*—
Meadows, Stanley R., Lewis, and Pearson. 2,995,655.
Pearson, Daniel, and Ryan. 2,987,017.
Pearson, Carl F.: *See*—
Huyser, Francis C., and Pearson. 3,007,335.
Pearson, Carl G. Coring apparatus. 3,007,686, 11–7–61, Cl. 262—19.
Pearson, Carlton J., to International Optical Co., Inc. Apparatus for surfacing and polishing optical glass and other articles. 2,992,519, 7–18–61, Cl. 51—129.
Pearson, Charles, Jr. Battery operated toy adapted to simulate a television receiving set. 2,984,042, 5–16–61, Cl. 46—13.
Pearson, Charles, Jr. Toy tube testing device. 2,984,043, 5–16–61, Cl. 46—39.
Pearson, Charles, Jr. Toy which simulates the percolating action of a percolator. 2,991,575, 7–11–61, Cl. 40—106.22.
Pearson, Charles, Jr., to M. I. Glass. Toy. 3,010,718, 11–28–61, Cl. 272—1.
Pearson, Charles, Jr., and M. I. Glass; said Pearson assor. to said Glass. Toy. 2,968,121, 1–17–61, Cl. 46—118.
Pearson, Charles, Jr., and H. Stan, to M. I. Glass. Game. 3,011,783, 12–5–61, Cl. 273—1.
Pearson, Daniel, and W. H. Ryan, to Pearson Candy Co., Inc. Candy forming apparatus. 2,987,017, 6–6–61, Cl. 107—69.
Pearson, Donald E., and H. W. Pope. Ring halogenation of aromatic carbonyl compounds. 3,013,079, 12–12–61, Cl. 260—592.
Pearson, Eugene S.: *See*—
Dodge, Ronald D., and Pearson. 3,001,630.
Pearson, Eric, and J. P. H. King, to British Celanese Ltd. Method of compounding finely-divided thermoplastic material with a plasticizer. 2,992,456, 7–18–61, Cl. 18—47.5.
Pearson, Eugene S., and R. D. Dodge, to International Business Machines Corp. Paper feeding device. 2,978,088, 4–4–61, Cl. 197—138.
Pearson, Gerald L., to Bell Telephone Laboratories, Inc. Semiconductive device. 2,983,854, 5–9–61, Cl. 317—235.
Pearson, Howard A. and H. W. Steering and propulsion means for miniature automobiles. 3,007,281, 11–7–61, Cl. 46—232.
Pearson, Howard, V. T. McDonough, and T. N. Vassil, to American District Telegraph Co. Intruder alarm system. 2,971,184, 2–7–61, Cl. 340—258.
Pearson, Howard W.: *See*—
Pearson, Howard A. and H. W. 3,007,281.
Pearson, James H.: *See*—
Groombridge, Denis W., Riley, and Pearson. 2,923,040.
Groombridge, Denis W., Riley, and Pearson. 3,003,846.
Pearson, John D., N. Herbert, C. Reid, and J. B. Morrison, to Imperial Chemical Industries Ltd. Testing and grading of electric fuseheads. 2,983,032, 5–9–61, Cl. 29—155.5.
Pearson, John L., and J. E. Rall. Combination separator and dehydrator. 2,992,698, 7–18–61, Cl. 183—2.7.
Pearson, Olaf. Worm operated door hanger. 2,990,567, 7–4–61, Cl. 16—105.
Pearson, Paul A. Electronic musical instrument and method. 2,989,885, 6–27–61, Cl. 84—1.19.
Pearson, Raymond C. Water powered flexible extension bath shower-single valve controlled with tub spout and overhead fixed shower. 2,997,722, 8–29–61, Cl. 4—191.
Pearson, Raymond E., to Boeing Airplane Co. Cargo airplanes. 2,977,077, 3–28–61, Cl. 244—118.
Pearson, Reinhold A., and B. Weremiczyk. Alternate delivery attachment for box setting up machines. 2,968,388, 1–17–61, Cl. 198—33.
Pearson, Richard K.: *See*—
Adams, Roy M., and Pearson. 2,968,531.
Edwards, Lawrence J., and Pearson. 3,007,768.
Pearson, Richard K., and J. D. Klicker, to Callery Chemical Co. Method for preparation of alkyldiboranes. 2,994,718, 8–1–61, Cl. 260—606.5.
Pearson, Richard K., G. W. Benz, and R. M. Adams, to Callery Chemical Co. Method of reducing and hydrogenating chemical compounds by reaction with solutions of alkali metal borohydrides. 3,014,025, 12–19–61, Cl. 260—205.
Pearson, Robert D., to Heli-Coil Corp. Wire coiling machine. 3,010,491, 11–28–61, Cl. 140—88.
Pearson, Robert L., to Riegel Paper Corp. Consistency responsive device. 2,973,000, 2–28–61, Cl. 137—91.
Pearson, Tillmon H.: *See*—
Blitzer, Sidney M., Milde, and Pearson. 2,989,557.
Blitzer, Sidney M., and Pearson. 2,969,381.
Blitzer, Sidney M., and Pearson. 2,985,675.
Blitzer, Sidney M., and Pearson. 2,987,558.
Blitzer, Sidney M., and Pearson. 2,989,558.
Blitzer, Sidney M., and Pearson. 3,007,955.
Blitzer, Sidney M., and Pearson. 3,013,042.
Pearson, Tillmon H., to Ethyl Corp. Processes for preparing halo group III–A hydrides and halo group III–A hydrocarbons. 2,992,248, 7–11–61, Cl. 260—429.
Pearson, Tillmon H., and J. K. Presswood, to Ethyl Corp. Use of transition metal carbonyls as catalysts in preparing cyclopentadienyl manganese tricarbonyl. 2,987,530, 6–6–61, Cl. 260—429.
Pearson, Wendell H.: *See*—
Bennett, Harold L., Bohm, and Pearson. 2,976,681.
Pease, Clement, to Plax Corp. Package with interlocking keys. 2,995,269, 8–8–61, Cl. 220—60.
Pease, David W.: *See*—
Coons, William C., McKimm, and Pease. 2,984,951.
Pease, Donald C., to E. I. du Pont de Nemours and Co. Preparation of fibrous titanium dioxide. 3,012,857, 12–12–61, Cl. 23—202.
Pease, F. B., Co.: *See*—
Pease, Warren S. 3,010,497.
Pease, Harry H.: *See*—
Wood, David A., Jr., Pease, Matthews, and Smith. 2,994,214.
Pease, John W., to Midland-Ross Corp. Emergency power brake system. 3,002,791, 10–3–61, Cl. 303—2.
Pease, Warren S., to F. B. Pease Co. Potato slicing machine. 3,010,497, 11–28–61, Cl. 146—78.
Peaslee, Lawrence R., to General Electric Co. Automatic control system. 2,980,844, 4–18–61, Cl. 322—28.
Peaslee, Richard T. Apparatus for trimming grass adjacent to water sprinkler heads. 3,001,286, 9–26–61, Cl. 30—207.
Peasley, Fremont W.: *See*—
Rickards, William H., and Peasley. 2,972,744.
Peat, George: *See*—
Kibbey, Ronald L., and Peat. 2,981,925.
Peat, Robert M., to Frozen Dessert Co. Imitation ice cream containing highly unsaturated vegetable oil. 3,003,882, 10–10–61, Cl. 99—136.
Peatross, Edwin L., to Taylor Instrument Companies. Automatically variable gain controller. 2,985,183, 5–23–61, Cl. 137—86.
Peavey, Lawrence H., Jr. Loop-type instrument scale and the like. 3,010,425, 11–28–61, Cl. 116—135.
Peavey, William L., to Perkins Machine & Gear Co. Apparatus for dressing or forming the working surface of an abrasive wheel. 3,008,461, 11–14–61, Cl. 125—11.
Peavy, Clarence, to Lang-Giffen Co. Tile extrusion machine. 2,981,996, 5–2–61, Cl. 25—43.
Pecchenino, Paul L., to International Business Machines Corp. Hydraulic stepping mechanism. 2,970,571, 2–7–61, Cl. 121—38.
Pecchenino, Paul L., to International Business Machines Corp. Printing system. 3,007,398, 11–7–61, Cl. 101—93.
Pechiney: *See*—
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Gauguin, Roland, and Claus. 3,000,699.
Lacroix, Seraphin. 2,996,354.
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Ravier, Emile. 2,991,235.
Riabovol, Prokop. 2,974,011.
Riou, Marcel, and Richaud. 3,012,917.
Soudan, Paul, and Breton. 2,992,893.
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Wetroff, Georges, and Kaziz. 2,997,506.
Wetroff, Georges, and Raitzyn. 2,983,695.
Wetroff, Georges, and Trebillon. 3,000,919.

Pechmann, Wilhelm: *See*—
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Pechmann, Wilhelm, and W. O. Münz, to Strunck & Co., Maschinenfabrik, and Ciba A.G. Process and apparatus for the filling, sealing and permanent marking of ampoules and the like. 3,012,386, 12–12–61, Cl. 53—39.

Pechthold, Heinz. Machine for producing hollow bodies of thermoplastic synthetics by extruding and blowing. 3,005,231, 10–24–61, Cl. 18—5.

Pechtold, Nikolaus, and R. Wirtz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for pyrolyzing hydrocarbons. 2,985,698, 5–23–61, Cl. 260—683.

Pechy, William, to Westinghouse Electric Corp. Lamp base and terminal means therefor. 2,983,838, 5–9–61, Cl. 313—318.

Pechy, William, to Westinghouse Electric Corp. Lead-wire orienting and straightening apparatus. 3,013,590, 12–19–61, Cl. 140—147.

Pecjak, Frances A.: *See*—
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Peck, Alvin W., to Phillips Petroleum Co. Process and apparatus for producing cooled aqueous ammonium phosphate fertilizer. 2,969,280, 1–24–61, Cl. 71—41.

Peck, Alvin W., to Phillips Petroleum Co. Liquid-ammonia flow control system. 2,973,729, 3–7–61, Cl. 111—7.

Peck, Gordon H., and A. Haseneder. Safety shut off device for hydraulic brakes. 2,970,607, 2–7–61, Cl. 137—456.

Peck & Hale, Inc.: *See*—
Peck, Kenneth L., and Di Martino. 2,987,341.

Peck, Kenneth L., and J. M. Di Martino, to Peck & Hale, Inc. Releasable hook. 2,987,341, 6–6–61, Cl. 294—83.

Peck, Thomas N., to Calabrian Co., Inc. Self-kindling charcoal package. 3,010,809, 11–28–61, Cl. 44—40.

Peck, William G., to Bausch & Lomb Inc. Variable power objective. 2,997,919, 8–29–61, Cl. 88—57.

Peck, William H. Retainer for piercing tool. 2,982,556, 5–2–61, Cl. 279—19.

Pecka, John P.: *See*—
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Pecker, Calman, to Congoleum-Nairn Inc. Method of imparting dimensional stability to felt backed surface coverings. 2,989,414, 6–20–61, Cl. 117—14.

Pecoraro, Ralph R.: *See*—
Sinatra, Angelo S., Dziedziula, and Pecoraro. 2,974,499.

Pecoraro, Ralph R., and E. J. Dziedziula, to Ref Mfg. Corp. Ovens. 2,994,760, 8–1–61, Cl. 219—35.

Pecoraro, Ralph R., A. S. Sinatra, and E. J. Dziedziula, to Ref Mfg. Corp. Method and canister means for making beverages. 2,997,940, 8–29–61, Cl. 99—315.

Pecoraro, Ralph R., and A. S. Sinatra, to Ref Mfg. Corp. Canister for producing beverages. 3,007,392, 11–7–61, Cl. 99—307.

Pedersen, AB, Alex: *See*—
Reder, Joseph. 3,005,310.

Pedersen, Bent H. Process and apparatus for producing sheets of thermoplastic material. 2,968,334, 1–17–61, Cl. 154—1.8.

Pedersen, Harry, to The Gleason Works. Machine for producing gears. 2,978,963, 4–11–61, Cl. 90—2.

Pedersen, Mathias: *See*—
Johnson, Carl W., and Pedersen. 3,009,431.

Pedersen, Richard A. Hide-a-way door stop. 2,978,756, 4–11–61, Cl. 20—16.

Pederson, Carl N.: *See*—
Nigrelli, Biagio, Standley, Wittmann, and Pederson. 2,990,952.

Pederson, Donald E.: *See*—
Harrington, Thomas L., and Pederson. 3,011,412.

Pederson, Henry. Detachable root clearing teeth for small bulldozers. 2,984,029, 5–16–61, Cl. 37—145.

Pederson, Raymond L.: *See*—
Babcock, John C., and Pederson. 2,971,886.
Babcock, John C., and Pederson. 2,990,400.

Pederson, Raymond L., to The Upjohn Co. Preparation of 17α-hydroxyprogesterone and intermediates. 3,000,883, 9–19–61, Cl. 260—239.55.

Pederson, Raymond L., J. C. Babock, and J. A. Hogg, to The Upjohn Co. 2-lower-alkyl and 2,17γ-di-lower-alkyl derivatives of testosterone and of 19-nortestosterone, and intermediates therefor. 2,989,549, 6–20–61, Cl. 260—397.1.

Pederson, Raymond L., and J. C. Babcock, to The Upjohn Co. Steroid compounds. 2,990,416, 6–27–61, Cl. 260—397.45.

Pedro, Charles R. Portable nursery feeder. 3,000,601, 9–19–61, Cl. 248—106.

Peebles, David D., to Foremost Dairies, Inc. Crystal separating process. 2,992,141, 7–11–61, Cl. 127—61.

Peebles, David D., and P. D. Clary, Jr., to Foremost Dairies, Inc. Low sodium milk and process of manufacture. 2,998,315, 8–29–61, Cl. 99—54.

Peebles, David D., and C. A. Kempf, to Foremost Dairies, Inc. Sweetening product and method of manufacture. 3,014,803, 12–26–61, Cl. 99—141.

Peek, Robert L., Jr., to Bell Telephone Laboratories, Inc. Compressional wave translating device. 2,978,670, 4–4–61, Cl. 340—11.

Peek, Robert Lee, Jr.: *See*—
McGuire, Charles H., and Peek. 2,969,434.

Peek, Sandford C., Jr.: *See*—
Edmonds, Theodore, and Peek. 2,994,041.

Peek, Sandford C., Jr., and J. A. Van Den Broek, to Sylvania Electric Products Inc. Projection lamp. 2,979,634, 4–11–61, Cl. 313—113.

Peel, Robert, to Singer-Fidelity, Inc. Circular knitting machines. 2,995,913, 8–15–61, Cl. 66—149.

Peeler, Cletus E., Jr., to Diamond Alkali Co. Chemical composition and process for soil stabilization. 2,968,572, 1–17–61, Cl. 106—74.

Peeler, Robert L.: *See*—
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Kovacich, Steve A., and Peeler. 2,995,593.

Peeler, Robert L., and S. A. Kovacich, to California Research Corp. Alkoxysilanes. 2,995,590, 8–8–61, Cl. 260—448.8.

Peeler, Robert L., and S. A. Kovacich, to California Research Corp. Alkoxydisiloxanes. 2,995,592, 8–8–61, Cl. 260—448.8.

Peelers Co., The: *See*—
Lapeyre, Fernand S. and J. M. 2,987,759.
Lapeyre, Fernand S. and J. M., and Demarest. 2,988,771.
Lapeyre, James M. 2,978,334.

Peelle Co., The: *See*—
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Peelquik Co., Inc.: *See*—
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Peeps, Donald J., to The De Vilbiss Co. Airless spray guns. 2,969,926, 1–31–61, Cl. 239—526.

Peeps, Donald J., to The De Vilbiss Co. Apparatus for coating articles with chemically reactive liquids. 2,971,700, 2–14–61, Cl. 239—296.

Peerless Machine & Tool Co., Inc.: *See*—
Carson, Robert H. 2,997,927.

Peerless Photo Products, Inc.: *See*—
Collins, Carroll B. 2,970,514.

Peerless Rool Leaf Co., Inc.: *See*—
Grupe, William F. 3,014,301.

Peerless Tube Co.: *See*—
Gronemeyer, Erich, and Cherba. 2,999,273.

Peerman, Dwight E.: *See*—
Floyd, Don E., and Peerman. 2,999,825.

Peerman, Dwight E., to General Mills, Inc. Metallic containers. 2,994,456, 8–1–61, Cl. 220—81.

Peerman, Dwight E., and D. E. Floyd, to General Mills, Inc. Reaction product of epoxy resins and polyamides from blends of aliphatic polyamines and aromatic polyamines. 2,999,826, 9–12–61, Cl. 260—18.

Peery, Norman E., to Shell Oil Co. Regeneration of carbonized finely divided contact agents. 2,981,695, 4–25–61, Cl. 252—417.

Peet, John R., G. Claypole, A. Fink, and C. E. Loeser, to Esso Research and Engineering Co. System for loading and unloading liquefied gases from tankers. 2,972,873, 2–28–61, Cl. 62—51.

Peet, Nick P., to Esso Research and Engineering Co. Production of hydrogen and carbon monoxide. 3,014,787, 12–26–61, Cl. 23—204.

Peeters, Martin. Constant weight feeder. 2,969,893, 1–31–61, Cl. 222—23.

Pegard, Pierre, to Ateliers G.S.P. Vibration damping device. 2,976,962, 3–28–61, Cl. 188—98.

Pegasus Laboratories, Inc.: *See*—
Ericson, Donald W., Herndon, and Thornber. 2,977,985.
Herndon, Lee R., Jr. 2,983,858.

Pegg, Ronald E.: *See*—
Agius, Peter J. V. J., Dominey, and Pegg. 2,969,323.

Peglow, Walter: *See*—
Getchell, Robert M., and Peglow. 3,013,568.

Peglow, Walter, to Waste King Corp. Dish rack. 2,971,668, 2–14–61, Cl. 220—19.

Peham, Engelbert J.: *See*—
Breen, Leonard G., Hansen, and Peham. 2,985,978.

Pehrsson, Lennart A., to Aktiebolaget Karlstads Mekaniska Werkstad. Variable pitch propellers. 3,013,615, 12–19–61, Cl. 170—159.5.

Peickii, Vasalie L.: *See*—
Rhoads, George D., and Peickii. 3,013,307.

Peickii, Vasalie L., A. M. Seemann, and R. N. Haynie, to Federal-Mogul-Bower Bearing, Inc. Apparatus for making multiple-lip seals. 2,982,997, 5–9–61, Cl. 18—42.

Peickii, Vasalie L., and A. M. Scott, to Federal-Mogul-Bower Bearing, Inc. Fluid seals. 2,983,125, 5–9–61, Cl. 64—32.

Peickii, Vasalie L., and J. E. Lepetich, to Federal-Mogul-Bower Bearing, Inc. Face seals. 2,985,475, 5–23–61, Cl. 288—3.

Peifer, Jess J.: *See*—
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Peik, Lester E.: *See*—
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Peilet, Lester R.: *See*—
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Peilet, Lester R., P. Kaye, and E. E. Tate, to L. R. Peilet. Brush with stroke counter. 2,981,963, 5–2–61, Cl. 15—105.

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Peiser, Marcus A. Candle holder. 2,981,087, 4–25–61, Cl. 67—23.
Pelstrup, Henry F., to Bemis Bro. Bag Co. Wrapping. 2,975,090, 3–14–61, Cl. 154—50.
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Pekarek, Frank, to Nylonge Corp. Apparatus for producing fiber reinforced sponge sheeting. 2,989,775, 6–27–61, Cl. 18—4.
Pelagatti, Vincenzo, to Fabbrica Italiana Magneti Marelli S.p.A. Advance control. 3,009,027, 11–14–61, Cl. 200—31.
Pelavin, Joseph Y., to Droutman Mfg. Co., Inc. Portable wardrobe. 2,985,266, 5–23–61, Cl. 190—43.
Pelcin, Albert L., to The Eastern Malleable Iron Co. Door lock. 2,987,908, 6–13–61, Cl. 70—146.
Pelenc, Yves: *See*—
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Pelensky, Joseph: *See*—
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Pelensky, Joseph, to Philco Corp. Laundering-aid dispensing means for clothes washing machines. 2,982,120, 5–2–61, Cl. 68—207.
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Pelino, William M.: *See*—
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Pelino, William M., to Servo Corp. of America. Railroad-car wheel locator. 2,973,430, 2–28–61, Cl. 246—249.
Pelisson, Claude G. D. J.: *See*—
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Pelkey, Edwin M., and J. P. Shanley, to The Perkin-Elmer Corp. Sandwich mirror. 2,988,959, 6–20–61, Cl. 88—105.
Pelkowski, Stanley. Fluid agitating device. 2,994,516, 8–1–61, Cl. 259—139.
Pell, Eric, to Cutler-Hammer, Inc. Motor control system. 2,988,683, 6–13–61, Cl. 318—99.
Pell, Eric, to Cutler-Hammer, Inc. Motor control systems. 2,997,636, 8–22–61, Cl. 318—30.
Pell, Erik M., to General Electric Co. Self-excited synchronous motor. 2,969,491, 1–24–61, Cl. 318—181.
Pell, Kalman L. Finger support for bowlers. 3,011,171, 12–5–61, Cl. 2—21.
Pell, Kenneth M. Step and repeat apparatus. 2,975,694, 3–21–61, Cl. 95—77.
Pellaton, Benjamin, to Wermex A.G. Anti-slip element for vehicle tires. 2,982,325, 5–2–61, Cl. 152—210.
Pellaton, Ernest C., to Fibreboard Paper Products Corp. Carton for dispensing paper or like products. 2,968,431, 1–17–61, Cl. 229—17.
Pellaton, Ernest C., and W. A. Klapperich, to Fibreboard Paper Products Corp. Heat sealable carton and method of sealing same. 2,979,247, 4–11–61, Cl. 229—14.
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McGrath, Joseph J., and Pellegrini. 2,979,462.
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Pellegrini, John P., Jr., and H. O. Strange, to Gulf Research & Development Co. Synthetic oil containing a rare earth metal diester phosphate. 2,983,678, 5–9–61, Cl. 252—32.5.
Pellegrini, John P., Jr., and H. O. Strange, to Gulf Research & Development Co. Mineral oil containing a rare earth metal diester phosphate. 2,983,679, 5–9–61, Cl. 252—32.5.
Pellegrini, John P., Jr., and H. I. Thayer, to Gulf Research & Development Co. Fuel for spark ignition engines. 3,009,790, 11–21–61, Cl. 44—58.
Pellekaan, Leendert, to North American Philips Co., Inc. Apparatus for fusing contacts onto semiconductive bodies. 2,979,024, 4–11–61, Cl. 118—500.
Pellerito, Charles, and E. E. Weiland. Tension or stretcher band for fence posts and the like. 2,968,470, 1–17–61, Cl. 256—47.
Pelletier, Algert L. G., to Comptoir de l'Industrie Cotonniere, Etablissements Boussac. Power plant for treating material in strip formation. 2,986,682, 5–30–61, Cl. 318—7.
Pelletier, Eugene V. Bobbin clutch. 3,006,565, 10–31–61, Cl. 242—46.4.
Pelletier, Joseph E. A. Pot rack. 2,969,154, 1–24–61, Cl. 211—71.
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Pellissier, George E., B. G. Reisdorf, and E. E. Wicker, to United States Steel Corp. Apparatus for measuring the thickness of a coating on a base material. 3,012,140, 12–5–61, Cl. 250—51.5.
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Pellow, Charles S. and R. A. Conveyor handling means. 3,014,576, 12–26–61, Cl. 198—232.
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Pelphrey, Harry, deceased, by L. Pelphrey, administratrix, to Michigan Tool Co. Tooth forming tool. 2,994,237, 8–1–61, Cl. 80—20.
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Pelphrey, Harry. 2,994,237.
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Pelto, Frank, to Richard Greene. Hand truck. 3,003,654, 10–10–61, Cl. 214—370.
Pelton, John F., to Union Carbide Corp. Flame plating using detonation reactants. 2,972,550, 2–21–61, Cl. 117—21.
Peltzer, Albert, Sr., to Dorr-Oliver Inc. Centrifuge apparatus. 2,973,896, 3–7–61, Cl. 233—19.
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Pelzel, Erich, to Vereinigte Osterreichische Eisen-und Stahlwerke Aktiengesellschaft. Bearing alloys. 2,982,677, 5–2–61, Cl. 148—13.
Pelzer, Hans K., to Beteiligungs- und Patentnerwaltungsgesellschaft mit beschrankter Haftung. Conveying device, especially for bulk material. 3,003,611, 10–10–61, Cl. 198—88.
Pemberton, Don M., to Universal Air Lift, Inc. Spring booster device. 2,969,974, 1–31–61, Cl. 267—23.
Pemberton, Hector M., to Biltwell Accessories Proprietary Ltd. Foldable doors or partitions. 3,006,409, 10–31–61, Cl. 160—84.
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Brooks, Theodore J. 2,977,162.
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Pena, Bonifacio F. Device for the protection of bulls in simulated bullfights. 2,975,760, 3–21–61, Cl. 119—143.
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Pendleton, Robert A., to Minneapolis-Honeywell Regulator Co. High-speed electro-pneumatic switching apparatus. 2,995,149, 8–8–61, Cl. 137—608.
Pendleton, Robert A., to Minneapolis-Honeywell Regulator Co. Mechanical apparatus. 2,997,246, 8–22–61, Cl. 242—55.12.
Pendleton, Robert A., to Minneapolis-Honeywell Regulator Co. Mechanical apparatus for supporting and driving a reel assembly. 2,998,206, 8–29–61, Cl. 242—68.1.
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Pendorf, Harold, to The Bendix Corp. Conduit, method of and apparatus for making same. 2,981,982, 5–2–61, Cl. 18—59.
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Penlston, Quintin P., to Food, Chemical & Research Laboratories Inc. Apparatus for counter current distribution. 2,973,250, 2–28–61, Cl. 23—270.5.
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Penland, Hilliard H., to American Enka Corp. Method and apparatus for producing bulky yarn. 3,000,168, 9–19–61, Cl. 57—34.
Penland, Minnie H., and S. M. Hallum. Side wheeler inflated raft. 3,006,310, 10–31–61, Cl. 115—23.
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Penman, Montgomery B., to The Magee Carpet Co. Yarn tensioning and control mechanism. 2,971,722, 2–14–61, Cl. 242—149.
Penman, Montgomery B., to The Magee Carpet Co. Yarn feed and control mechanism. 3,006,296, 10–31–61, Cl. 112—79.
Penn, Abe D. Telescoping conveyor assembly. 3,006,454, 10–31–61, Cl. 198—89.
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Penn, Ralph S., and H. O. Denman, Jr., to Penn Controls, Inc. Control circuit for heating and cooling apparatus. 2,970,769, 2–7–61, Cl. 236—1.
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Innes, William B., Michael, Pennell, and Chomitz. 2,988,521.
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Penner, Benjamin L., 49% to E. J. Amick. Quick detachable hinging structure. 2,989,340, 6–20–61, Cl. 296—100.
Penner, Benjamin L., 49% to E. J. Amick. Cover and deck structure for pick-up trucks. 3,012,814, 12–12–61, Cl. 296—100.
Penney, Gaylord W. Apparatus for assembling collecting cells for electrostatic precipitators. 2,994,128, 8–1–61, Cl. 29—241.
Penney, James H., to Westinghouse Electric Corp. Ventilating system for a dynamoelectric machine. 2,970,233, 1–31–61, Cl. 310—63.
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Pennington, Davis W. and C. A. Multi-purpose container. 2,975,930, 3–21–61, Cl. 220—23.4.
Pennington, Donald W., D. A. Ballard, and W. A. Mod, to The Dow Chemical Co. Production of metallic halide salts. 2,996,356, 8–15–61, Cl. 23—91.
Pennington, Harry. Apparatus for electroplating metal cylinders equipped with ports. 3,006,837, 10–31–61, Cl. 204—280.
Pennington, John V.: *See*—
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Pennington, John V., to Cameron Iron Works, Inc. Valve. 2,977,977, 4–4–61, Cl. 137—330.
Pennington, Kermit M. Credit mechanism employing card punch members. 3,008,633, 11–14–61, Cl. 234—45.
Pennington, Kermit M. Plate-operated punching mechanism. 3,008,634, 11–14–61, Cl. 234—59.
Pennington, Lacy K. Mobile scaffold construction. 2,989,320, 6–20–61, Cl. 280—47.34.
Pennington, Philip R., and J. D. Turner, to Hughes Aircraft Co. Method for determining crystallographic orientation of single crystals. 2,973,687, 3–7–61, Cl. 88—14.
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Pennington, Thomas D. Automatic sights for archers' bows. 3,013,336, 12–19–61, Cl. 33—46.
Pennington, William A., to Superior Railway Products Corp. Adjustable loading ramp. 2,993,219, 7–25–61, Cl. 14—71.
Pennino, Charles J., to The B. F. Goodrich Co. Polyhalogenated compounds and method of preparation. 2,985,684, 5–23–61, Cl. 260—479.
Pennino, Charles J., to The B. F. Goodrich Co. Halogenated lactone polymer and method of preparation. 3,001,921, 9–26–61, Cl. 204—158.
Pennock, Robert L., Jr., and H. A. Smith, to Minneapolis-Honeywell Regulator Co. Flash bulb socket. 2,982,936, 5–2–61, Cl. 339—33.
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Haszeldine, Robert N. 3,012,072.
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Pennybacker, Miles, and C. A. Simpson, to Miles Pennybacker. Mercury reservoir for discharge lamps. 2,969,476, 1–24–61, Cl. 313—328.
Penoyer, Charles E., to The Sherwin-Williams Co. Paint latices from super bodied oils. 2,978,346, 4–4–61, Cl. 106—252.
Penrod, William F. Fluid pressure brake system and actuating unit therefor. 2,995,218, 8–8–61, Cl. 188—152.
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Peoples, Virgil H., and J. R. West, to The O. M. Scott & Sons Co. Spreader construction. 2,973,884, 3–7–61, Cl. 222—177.
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Pepe, Enrico J., to Union Carbide Corp. Cyanophenylsiloxanes. 2,975,154, 3–14–61, Cl. 260—46.5.
Pepe, Enrico J., to Union Carbide Corp. (Cyanophenyl) alkoxysilanes. 2,975,204, 3–14–61, Cl. 260—448.8.
Pepe, Enrico J., to Union Carbide Corp. Chlorocyanoalkyl silanes and siloxanes. 2,985,679, 5–23–61, Cl. 260—448.8.

Pepe, Enrico J., to Union Carbide Corp. Nitro and nitrito derivatives of organosilicon compounds. 2,985,680, 5–23–61, Cl. 260—448.8.

Pepin, Joseph. Cosmetic applicator. 3,008,476, 11–14–61, Cl. 132—79.

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Peppard, Donald F., and G. W. Mason, to United States of America, Atomic Energy Commission. Method of separating neptunium by liquid-liquid extraction. 3,004,823, 10–17–61, Cl. 23—14.5.

Pepper, Donald J., and A. J. Miles, to Foster Wheeler Corp. Fin and tube assembly and method of bonding same. 3,004,328, 10–17–61, Cl. 29—157.3.

Pepper, Foster L., and N. W. Fiess, to American Cyanamid Co. Spirit soluble black dyes. 2,990,405, 6–27–61, Cl. 260—267.

Pepper, Thomas P., and A. J. Pressesky, to Canadian Curtiss-Wright Ltd. Method and apparatus for direct measurement of mass per unit area. 2,968,729, 1–17–61, Cl. 250—83.6.

Pepperberg, Louis E., to Motorola, Inc. Remote electrical tuner for radio apparatus. 3,010,015, 11–21–61, Cl. 250—20.

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Peppin, Neal C., to Mannix Co. Ltd. Ballast plow for use under railroad tracks. 2,993,451, 7–25–61, Cl. 104—7.

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Péras, Lucien, to Regie Nationale des Usines Renault. Battery terminal cable connectors. 2,975,394, 3–14–61, Cl. 339—239.

Peras, Lucien, to Regie Nationale des Usines Renault. Roller-type conveyor for transporting loads. 2,976,981, 3–28–61, Cl. 198—127.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic control devices for change-speed gears. 2,981,121, 4–25–61, Cl. 74—365.

Péras, Lucien, to Regie Nationale des Usines Renault. Differential pressure pneumatic jacks adapted for automatic return to initial position. 2,981,232, 4–25–61, Cl. 121—38.

Péras, Lucien, to Regie Nationale des Usines Renault. Valve for chambers under pressure and especially for pneumatic tires. 2,981,276, 4–25–61, Cl. 137—223.

Péras, Lucien, to Regie Nationale des Usines Renault. Pressure-reducers. 2,981,281, 4–25–61, Cl. 137—505.37.

Péras, Lucien, to Regie Nationale des Usines Renault. Anti-backing devices for vehicles. 2,981,388, 4–25–61, Cl. 192—4.

Péras, Lucien, to Regie Nationale des Usines Renault. Clutches actuated by hydraulic control means. 2,981,392, 4–25–61, Cl. 192—106.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic positioning devices for work-pieces. 2,981,398, 4–25–61, Cl. 198—19.

Péras, Lucien, to Regie Nationale des Usines Renault. Shock absorbers. 2,981,534, 4–25–61, Cl. 267—8.

Péras, Lucien, to Regie Nationale des Usines Renault. Low-tension spark plugs for internal combustion engines. 2,981,859, 4–25–61, Cl. 313—131.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic gear change control devices, notably for vehicles. 2,986,045, 5–30–61, Cl. 74—472.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic work-handling device for machine tools. 2,987,197, 6–6–61, Cl. 214—1.

Péras, Lucien, to Regie Nationale des Usines Renault. Non-return valve. 2,990,849, 7–4–61, Cl. 137—515.7.

Péras, Lucien, to Regie Nationale des Usines Renault. Load driving members of conveyors. 2,990,941, 7–4–61, Cl. 198—170.

Peras, Lucien, to Regie Nationale des Usines Renault. Low-tension sparking plug. 2,992,352, 7–11–61, Cl. 313—131.

Péras, Lucien, to Regie Nationale des Usines Renault. Synchronizer for transmission mechanisms. 2,992,714, 7–18–61, Cl. 192—53.

Péras, Lucien, to Regie Nationale des Usines Renault. Malleable cast iron compositions. 2,992,950, 7–18–61, Cl. 148—35.

Péras, Lucien, to Regie Nationale des Usines Renault. Fluid-tight packings of flexible material. 2,993,711, 7–25–61, Cl. 286—11.16.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic brake adjusting devices. 2,994,411, 8–1–61, Cl. 188—79.5.

Péras, Lucien, to Regie Nationale des Usines Renault. Piston and rod packings. 2,994,571, 8–1–61, Cl. 309—23.

Péras, Lucien, to Regie Nationale des Usines Renault. Automatic device for the clamping, unclamping and controlled positioning of a workpiece in its machining mounting. 2,995,233, 8–8–61, Cl. 198—19.

Péras, Lucien, to Regie Nationale des Usines Renault. Transmission mechanisms, notably for automotive vehicles. 2,995,950, 8–15–61, Cl. 74—472.

Péras, Lucien, to Regie Nationale des Usines Renault. Devices for driving workpieces on automatic machine-tools. 2,995,967, 8–15–61, Cl 82—40.

Péras, Lucien, to Regie Nationale des Usines Renault. Apparatus for handling and transporting molten metal. 3,003,206, 10–10–61, Cl. 22—82.

Péras, Lucien, to Regie Nationale des Usines Renault. Adjustable devices for metering and emulsifying gaseous and liquid substances. 3,003,755, 10–10–61, Cl. 261—71.

Péras, Lucien, to Regie Nationale des Usines Renault. Anti-skid device. 3,003,824, 10–10–61, Cl. 303—21.

Péras, Lucien, to Regie Nationale des Usines Renault. Process for producing a cobalt mercaptobenzothiazole compound. 3,004,032, 10–10–61, Cl. 260—299.

Péras, Lucien, to Regie Nationale des Usines Renault. Electromagnets. 3,004,195, 10–10–61, Cl. 317—194.

Péras, Lucien, to Regie Nationale des Usines Renault. High-toughness cast-iron for relatively thick castings, and method of producing same. 3,005,736, 10–24–61, Cl. 148—35.

Péras, Lucien, to Regie Nationale des Usines Renault. Diaphragm of feed pumps for liquid hydrocarbons. 3,005,788, 10–24–61, Cl. 260—8.

Perás, Lucien, to Regie Nationale des Usines Renault. Transmission mechanisms with electromagnetic clutches. 3,008,352, 11–14–61, Cl. 74—732.

Perás, Lucien, to Regie Nationale des Usines Renault. Methods of synthesizing 2-4-4-4 tetrachlorobutyric acid. 3,008,985, 11–14–61, Cl. 260—539.

Péras, Lucién, to Regie Nationale des Usines Renault. Suspension systems of tire-mounted bogie trucks with lateral guide means. 3,010,411, 11–28–61, Cl. 105—215.

Péras, Lucién, to Regie Nationale des Usines Renault. Overhead conveyors. 3,011,457, 12–5–61, Cl. 104—172.

Peras, Lucien, to Regie Nationale des Usines Renault. Malleable cast iron compositions. 3,013,911, 12–19–61, Cl. 148—35.

Peras, Lucien, to Regie Nationale des Usines Renault. Clutch control means for automatically connecting and disconnecting the drive of cooling fans of vehicle engines. 3,014,568, 12–26–61, Cl. 192—88.

Perazzoli, Henry J. Machine for handling railroad ties or the like. 3,000,325, 9–19–61, Cl. 104—9.

Percevaut, Emile H. G. Gas scrubber apparatus. 2,983,333, 5–9–61, Cl. 183—22.

Perch, Philip S.: *See*—
Winstrom, Leon O., Samdahl, and Perch. 2,976,320.

Percival, Robert W.: *See*—
Brown, George L., and Percival. 2,971,934.

Percival, Worth H., to General Motors Corp. Accumulator supercharging. 2,983,267, 5–9–61, Cl. 123—119.

Percy, Howard J.: *See*—
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Perdreaux, Rene, Jr.: *See*—
Meschino, William G., and Perdreaux. 2,982,213.

Perdreaux, Rene J., Jr.: *See*—
Wallack, Stanley, and Perdreaux. 3,011,096.

Perdreaux, Rene J., Jr., and S. Wallack, to Leesona Corp. Regulated power supply. 3,005,942, 10–24–61, Cl. 320—1.

Perdue, Henry S.: *See*—
Schmidt, John L., Perdue, Lambert, and Miller. 2,997,393.

Perdue, Jack, to Electro-Hydraulics Ltd. Retractable landing gear for aircraft. 2,974,909, 3–14–61, Cl. 244—102.

Perdue, Willard F., and F. T. Rowland, to Rockwell-Standard Corp. Auxiliary spring suspension and levelizer. 2,990,170, 6–27–61, Cl. 267—16.

Peregrine, Edgar P. Plant for producing highly compressed air. 3,010,641, 11–28–61, Cl. 230—51.

Perello, Ramon U., to I. Ibanez. Device for stereo-reproduction of sound registered on cinematograph films. 2,967,912, 1–10–61, Cl. 179—100.3.

Peremi, Edmund, to General Bronze Corp. Window frame construction. 2,972,395, 2–21–61, Cl. 189—36.

Perén, Gunnar K. K.: *See*—
Erling, Sven J., and Perén. 2,986,118.

Peretti, Leonard: *See*—
Johnson, Arnold E., and Peretti. 3,000,124.

Perez, George R., to Illinois Tool Works. Wafer stacking and loading device. 3,013,672, 12–19–61, Cl. 214—7.

Perez, Guillermo, to Royal McBee Corp. Record perforator. 2,997,231, 8–22–61, Cl. 234—119.

Perez, Guillermo, P. S. Rand, and J. A. Randmer, to Sperry Rand Corp. Record card sorting machine. 3,003,633, 10–10–61, Cl. 209—111.5.

Perez, William. Thermal cooling element. 2,997,858, 8–29–61, Cl. 62—293.

Perfect Circle Corp.: *See*—
Estey, Melvin E. 2,999,728.
Hill, Robert H. 2,976,807.
Martin, Eugene J., and Kaiser. 2,968,707.
Swope, Morris C. 2,966,723.
Swope, Morris C. 2,966,724.
Teetor, Ralph R. 2,973,051.
Thompson, Bert. 2,970,023.

Perfect Equipment Corp.: *See*—
Sunday, Richard K. 2,995,788.

Perfecting Service Co.: *See*—
Shaw, Harmon L., and Frost. 2,985,468.
Williamson, John G. 3,004,563.

Perfection Steel Body Co., The: *See*—
Wood, Louis S. 2,988,399.

Pergande, Leslie S., to Illinois Tool Works. Sine bar assembly. 2,998,657, 9–5–61, Cl. 33—179.5.

Pergande, Leslie S., to Illinois Tool Works. Machine for checking curvic couplings and the like. 2,998,658, 9–5–61, Cl. 33—179.5.

Perhacs, James K.: *See*—
Suchoza, Bernard P., and Perhacs. 3,005,467.
Periard, John N., to The Dow Chemical Co. Production of $Mg(OH)_2$. 3,007,776, 11–7–61, Cl. 23—201.
Perieres, Rene: *See*—
Tardieu, Pierre, and Perieres. 3,009,778.
Perin, Warren G., and V. W. Peterson, to General Motors Corp. Antifriction bearing. 2,983,029, 5–9–61, Cl. 29—148.4.
Perine, Jack P., to Emerson Radio & Phonograph Corp. Mail culling equipment. 2,986,276, 5–30–61, Cl. 209—102.
Perini, Mario, and G. Speroni, to Montecatini Societa Generale perl'Industria Mineraria e Chimica. Process for preparing O,O-dialkyl, S-N-alkylcarbamylmethyl phosphorodithioates. 3,004,055, 10–10–61, Cl. 260—461.
Perkey, Russell C., to The Bendix Corp. Starting control for gas turbine engines. 2,980,173, 4–18–61, Cl. 158—36.3.
Perkie, Elmer G.: *See*—
Gross, Joseph P., and Perkie. 2,999,243.
Perkin-Elmer Corp., The: *See*—
Baker, James G. 2,986,071.
Herscher, Leonard W., and Ruhl. 2,984,149.
Marshall, Hamilton W., Jr. 2,987,958.
McDonell, Horace G., and Watson. 2,995,410.
Pelkey, Edwin M., and Shanley. 2,988,959.
Siegler, Edouard H., Jr. 2,994,950.
Siegler, Edouard H., Jr. 3,010,358.
Siegler, Edouard H., Jr. 3,011,389.
Siegler, Edouard H., Jr., and Marshall. 2,972,277.
Vyce, Joseph R. 3,002,419.
Perkins, Alfred J.: *See*—
Perkins, Warren E. and A. J. 2,988,042.
Perkins, Arthur F., to General Dynamics Corp. Temperature compensating circuit. 2,998,563, 8–29–61, Cl. 323—64.
Perkins, Bertram W., Jr., and D. W. Marsh, to Perkins Machine Co. Variable stroke crankshaft construction. 3,008,347, 11–14–61, Cl. 74—571.
Perkins, Carl C., Jr.: *See*—
Stephens, Frederick N., Perkins, and Love. 2,979,765.
Perkins, Charles F. Supporting base for ornamental objects. 3,002,721, 10–3–61, Cl. 248—44.
Perkins, Charles M. Animal waterer. 2,966,886, 1–3–61, Cl. 119—71.
Perkins, Charles M., and T. V. McNamara, to Fuller Mfg. Co. Automotive device. 2,974,766, 3–14–61, Cl. 192—3.5.
Perkins, Donald A., to Rutland Fire Clay Co. Caulking compound cartridge with improved spout. 2,981,449, 4–25–61, Cl. 222—541.
Perkins, Forrest G., to L. L. Bishop. Moving electric sign apparatus. 3,002,061, 9–26–61, Cl. 200—46.
Perkins, George H., to The Cyril Bath Co. Table drive for rotary metal forming machines. 2,974,707, 3–14–61, Cl. 153—40.
Perkins, George H., to The Cyril Bath Co. Method and apparatus for stretch forming metal stock. 2,974,708, 3–14–61, Cl. 153—40.
Perkins, George R.: *See*—
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Perkins, Gerald S.: *See*—
Slater, John M., Perkins, Crowley, Hallman, Benson, and Santogrossi. 2,995,937.
Perkins, Glen E., and G. W. Dale. Strip subgrader for roads. 2,970,392, 2–7–61, Cl. 37—171.
Perkins, Glen E., and G. W. Dale. Slip-form paving machine. 2,976,783, 3–28–61, Cl. 94—44.
Perkins, Glen E., and G. W. Dale. Road making machine. 2,976,784, 3–28–61, Cl. 94—45.
Perkins, Glen E., and G. W. Dale. Trail forms for paving machines. 2,993,257, 7–25–61, Cl. 25—118.
Perkins, Harley A., Jr., to Westinghouse Electric Corp. Magnetic amplifier system. 2,985,818, 5–23–61, Cl. 323—89.
Perkins, Harley A., Jr., to Westinghouse Electric Corp. Feedback circuit for half-wave amplifier. 2,989,689, 6–20–61, Cl. 323—89.
Perkins, Harold E., Jr., and D. W. Haskings, to Olin Mathieson Chemical Corp. Power unit. 2,979,896, 4–18–61, Cl. 60—39.47.
Perkins, J. Carter, Jr., to General Dynamics Corp. Loudspeaker enclosures. 2,986,229, 5–30–61, Cl. 181—31.
Perkins, Kenneth C.: *See*—
Billig, Lewis S., Perkins, and Watson. 3,011,023.
Perkins, Kenneth C., to General Electronic Laboratories, Inc. Electrical information storage system. 3,003,139, 10–3–61, Cl. 340—174.
Perkins, Kenneth L., R. R. Palmer, and J. S. Ausman, to North American Aviation, Inc. Vertical velocity measuring system. 3,005,348, 10–24–61, Cl. 73—503.
Perkins, Leonard, to A. C. Cossor Ltd. Secondary radar systems. 3,014,212, 12–19–61, Cl. 343—6.5.
Perkins Machine Co.: *See*—
Perkins, Bertram W., Jr., and Marsh. 3,008,347.
Perkins Machine & Gear Co.: *See*—
Peavey, William L. 3,008,461.
Perkins Pipe Linings, Inc.: *See*—
Perkins, Warren E. 2,987,794.
Perkins, Warren E. and A. J. 2,988,042.
Perkins, Ralph W.: *See*—
Faiver, Kenneth E., and Perkins. 3,013,812.
Perkins, Roger A., to Union Carbide Corp. Method of melting and alloying metals. 3,008,821, 11–14–61, Cl. 75—135.
Perkins, Roger A., and C. R. Bishop, to Union Carbide Corp. Iron-nickel-silicon alloys. 2,992,917, 7–18–61, Cl. 75—123.
Perkins, Therold W., to General Electric Co. Coated panel and method of making the same. 2,976,201, 3–21–61, Cl. 154—116.
Perkins, Thomas L.: *See*—
Leonard, Byron H., Jr. 2,985,264.
Perkins, Wallace. Boat propelling and steering means. 3,010,421, 11–28–61, Cl. 115—24.
Perkins, Warren E., to Perkins Pipe Linings, Inc. Trowel for pipe lining material. 2,987,794, 6–13–61, Cl. 25—38.
Perkins, Warren E. and A. J., to Perkins Pipe Linings, Inc. Pipe lining apparatus. 2,988,042, 6–13–61, Cl. 118—7.
Perkins, Warren E., C. F. Falls, and L. E. Fuller, to Union Carbide Corp. Atmospheric vaporizer. 3,012,408, 12–12–61, Cl. 62—52.
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Sarti, Albert. 3,006,181.
Perkins, Wilfred G.: *See*—
Bonifield, Lester. 3,013,546.
Perkins, William A., Jr.: *See*—
Grinnell, Stuart W., Perkins, and Vaughan. 2,973,642.
Perkow, Werner, to C. F. Spiess & Sohn, and Norddeutsche Affinerie. Halogenated tetraalkyl pyrophosphates. 2,977,383, 3–28–61, Cl. 260—461.
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Perle Abe J., to The Bendix Corp. Combination air shut-off and pressure control valve. 2,989,067, 6–20–61, Cl. 137—219.
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Franks, Lewis E., Perletti, and Simone. 2,981,892.
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Perlman, David, to Olin Mathieson Chemical Corp. Preparation of cobalamins. 2,980,591, 4–18–61, Cl. 195—65.
Perlman, David, to Olin Mathieson Chemical Corp. Preparation of cobalamins. 2,995,498, 8–8–61, Cl. 195—114.
Perlman, David, and J. T. Sheehan, to Olin Mathieson Chemical Corp. 5-trifluoromethyl derivatives of vitamin B_{12}. 2,967,860, 1–10–61, Cl. 260—211.5.
Perlman, Isadore, S. G. Thompson, and B. B. Cunningham, to United States of America, Atomic Energy Commission. Metathesis of bismuth phosphate plutonium carrier precipitate with an alkali. 2,990,245, 6–27–61, Cl. 23—14.5.
Perlmutter, Daniel D.: *See*—
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Perlowski, Edward F., Jr.: *See*—
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Perma Tubes Ltd.: *See*—
Hunkeler, Jules W. 3,003,194.
Permachem Corp.: *See*—
Hill, William H. 2,981,640.
Permalastic Products Co.: *See*—
Chadwick, Alfred C. 3,007,809.
Permanent Filter Corp.: *See*—
Price, Harold A. 3,010,580.
Permanent Hair Waving Corp.: *See*—
Martin, Harry. 2,990,336.
Permo Spinning Ltd.: *See*—
Leach, Frank, and Shenton. 2,995,002.
Leach, Frank, and Shenton. 2,997,836.
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Griffiths, Benjamin K. 2,981,671.
Solt, George S. 2,990,361.
Pernecky, Paul, Jr. Glove and like article holder. 2,967,340, 1–10–61, Cl. 24—18.
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Perotti, Antonio J. G., and A. A. Monacci. Carburetor. 3,001,772, 9–26–61, Cl. 261—34.
Perrault, Lewis, to Ralph T. Hays. Method and apparatus of producing re-enforced thermoplastic bodies. 2,979,431, 4–11–61, Cl. 154—2.24.
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Perrault, Lewis, to H. D. Boggs Co., Ltd. Method of casting tubular articles. 2,999,780, 9–12–61, Cl. 154—83.
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Perrelli, John, to Filper Corp. Pitter for removing pits from drupe halves. 2,975,812, 3–21–61, Cl. 146—28.
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Marti, Fritz, and Perren. 3,014,959.
Perren, Raymond, and W. Moser, to Lonza Electric and Chemical Works Ltd. Purification of ketene. 2,989,565, 6–20–61, Cl. 260—585.5.
Perret, Jean, P. Wuithier, and E. Roth, to Commissariat a l'Energie Atomique. Methods of isotope concentration. 3,007,777, 11–7–61, Cl. 23—204.
Perret, Marcel, to Trefilieries et Laminoirs de Precision Gilby-Todor (Societe Anonyme). Hydraulic devices for removing tubes drawn on a long mandrel. 2,983,366, 5–9–61, Cl. 205—7.

Perret-Gentil, Eduard E., to Contraves AG. Polar coordinate aiming device. 2,991,007, 7–4–61, Cl. 235—61.5.

Perretti, Attilio. Centrifugal atomizing device for liquid fuels. 2,998,230, 8–29–61, Cl. 261—30.

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Perri, Giovanni: *See*—
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Perri, Joseph M., to E. I. du Pont de Nemours and Co. Polymerization process. 3,002,956, 10–3–61, Cl. 260—79.3.

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Aeberhardt, Maurice, Egli, Mikula, and Perrig. 3,012,842.

Perrin, Jack L.: *See*—
Stone, Claire E. 2,970,353.

Perrin, Jean L. F. Anti-burglar electro sound alarm system. 2,970,560, 2–7–61, Cl. 116—88.

Perrin, Joe F. Brush assembly tool. 3,001,271, 9–26–61, Cl. 29—283.

Perrin, Tom S.: *See*—
Marlatt, Ralph E., Perrin, and Banner. 2,993,756.

Perrine, Warren L., to General Precision, Inc. Flow meter. 2,968,945, 1–24–61, Cl. 73—206.

Perrochat, Jean, to A. Raymond. Clip. 2,984,877, 5–23–61, Cl. 24—73.

Perrot, Arnold. Transparency slide. 2,984,034, 5–16–61, Cl. 40—152.

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Perrozzi, Joseph R., and J. N. Krueger, to The Pillsbury Co. Electro-optical apparatus for measuring volumes of solids. 2,968,210, 1–17–61, Cl. 88—14.

Perruca, Felix, to Societe des Fabrications Unicum (societe a responsabilite limitee). Friction type change speed gears. 3,010,330, 11–28–61, Cl. 74—200.

Perry, Arthur G.: *See*—
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Perry, Charles R., and H. F. Baker, to Sivalls Tanks, Inc. Automatic sampler. 2,995,931, 8–15–61, Cl. 73—198.

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Tebb, Bernard, and Perry. 2,985,418.
Tebb, Bernard, and Perry. 2,987,075.

Perry, Darrell D., J. A. and F. B. Ditching attachment. 2,982,034, 5–2–61, Cl. 37—98.

Perry, Donald: *See*—
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Perry, Edward G., to Texas Instruments Inc. Magnetic fluid seals in magnetic clutches. 2,987,153, 6–6–61, Cl. 192—21.5.

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Perry-Fay Co., The: *See*—
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Perry, Floyd B.: *See*—
Perry, Darrell D., J. A. and F. B. 2,982,034

Perry, Forbes G. de B., to National Research Development Corp. Infinitely variable change speed gears. 2,984,118, 5–16–61, Cl. 74—200.

Perry, Frank J., Jr.: *See*—
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Perry, George A., and R. L. Lawrence, to Corn Products Co. Method of inhibiting the growth of microbacterial organisms in a cultured milk product and the resulting product. 2,974,046, 3–7–61, Cl. 99—162.

Perry, Henry A., Jr., and R. C. McGill, to United States of America, Navy. Explosive bomb or weapon casing. 2,977,885, 4–4–61, Cl. 102—98.

Perry, James G. Anchor for window balancer spring. 2,989,773, 6–27–61, Cl. 16—197.

Perry, James W., J. H. Frazer, and W. R. Johnson. Explosive compositions and processes for producing explosions on surfaces. 2,975,045, 3–14–61, Cl. 52—18.

Perry, John A.: *See*—
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Perry, Joseph A., Jr., and W. M. Haselton, to Cherry-Burrell Corp. Compression bracket. 2,980,414, 4–18–61, Cl. 177—211.

Perry, Milton A., J. B. Dickey, and A. G. Robinson, III, to Eastman Kodak Co. Process for preparing alkenyl oxazines. 2,968,657, 1–17–61, Cl. 260—244.

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Kauder, Otto S., and Perry. 3,003,999.
Kauder, Otto S., and Perry. 3,004,000.

Perry, Paul, to V. & E. Kohnstamm, Inc. Candy suspension composition for food delicacies. 2,970,919, 2–7–61, Cl. 99—140.

Perry, Paul E., to The B. F. Goodrich Co. Fastener and cushioning structure utilizing the same. 3,013,643, 12–19–61, Cl. 189—36.

Perry, Reeves B.: *See*—
Nathan, Charles C., and Perry. 2,990,881.

Perry, Richard D., and C. F. Zmuginsky, to The Perry-Fay Co. Pick off chuck. 2,989,316, 6–20–61, Cl. 279—50.

Perry, Robert H., Jr., to Esso Research and Engineering Co. Alkoxy peroxides. 2,969,376, 1–24–61, Cl. 260—338.

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Perry, William M., to General Aniline & Film Corp. Copolymers of N-vinylpyrrolidones with dialkyl maleates or fumarates. 2,980,654, 4–18–61, Cl. 260—78.5.

Perry, William M., to General Aniline & Film Corp. Copolymers of N-vinylpyrrolidones with dialkyl maleates or fumarates. 2,999,853, 9–12–61, Cl. 260—78.5.

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Persiaux, Jean, to Societe d'Exploitations des Brevets et Apparells Tirfor, dite Tirfor S.A. Metal cable haulage and hoisting appliance. 2,995,339, 8–8–61, Cl. 254—76.

Persinger, Laverne O., and A. H. Dahlhauser, to Big Boy Mfg. Co., a division of Seidelhuber Steel Rolling Mills Corp. Barbecue grill attachment. 2,983,218, 5–9–61, Cl. 99—427.

Persinger, Laverne O. and M. L., to Big Boy Mfg. Co., a division of Seidel-Huber Steel Rolling Mill Corp. Igniting and heating device for barbecues. 2,996,597, 8–15–61, Cl. 219—34.

Persinger, Merle L.: *See*—
Persinger, Laverne O. and M. L. 2,996,597.

Person, Karl E.: *See*—
Johansson, Nils G. L. 2,973,675.

Person, Lars B.: *See*—
Lindberg, Karl G. H., Person, and Thorsen. 3,005,051.

Personal Products Corp.: *See*—
Brecht, George. 3,011,495.
Graham, George C., Jr. 3,005,456.
Morse, Edward A. 3,005,543.
Winch, Allen R. 2,998,614.

Persons, Clyde D., ½ to Hal Roach. Corner trim. 2,993,306, 7–25–61, Cl. 50—171.

Persons, Richard L., to Alpha Industries, Inc. Electro-magnetic controls. 2,993,149, 7–18–61, Cl. 317—165.

Perspecta Sound, Inc.: *See*—
Fine, Clarence R. 3,008,011.

Persson, Erik: *See*—
Garde, Aage, Persson, and Schlott. 3,014,390.

Persson, Gustav F. Siphon pump. 3,013,575, 12–19–61, Cl. 137—150.

Persson, Karl-Birger, to General Electric Co. Vacuum interrupter. 2,972,032, 2–14–61, Cl. 200—144.

Persson, Per Walther S.: *See*—
Nilsson, Hans R., and Persson. 2,969,958.

Persson, Richard B.: *See*—
Gregg, Robert D., and Persson. 2,987,164.

Persson, Sven E. Windows with one or more metal section sashes for three window panes. 2,975,492, 3–21–61, Cl. 20—56.5.

Persyn, Charles L., Jr., to Tidewater Oil Co. Butadiene conversion of C_4 fraction of unsaturated hydrocarbons. 2,999,061, 9–5–61, Cl. 208—67.

Pertrix-Union Gesellschaft mit beschraenkter Haftung: *See*—
Voss, Ernst. 2,982,806.

Perucca, James R.: *See*—
Newhall, Edmunde E., and Perucca. 2,976,472.

Perun, Samuel. Cushion means for milk bottle crates. 2,998,895, 9–5–61, Cl. 217—35.

Peslier, Jacques F.: *See*—
Devy, Robert C., and Peslier. 2,986,628.

Pesola, Jeannette E. Folding rack for beds. 3,004,267, 10–17–61, Cl. 5—318.

Pessl, Fred, R. A. Ferrara, and C. C. Farlee, to General Motors Corp. Pivoted vehicle seat. 3,013,837, 12–19–61, Cl. 296—65.

Pessok, Stanley, and M. B. Melillo, to Pacific Semiconductors, Inc. Electrical contact to semiconductor body. 3,000,798, 9–19–61, Cl. 204—15.

Pester, William B., to Sylvania Electric Products Inc. Projection slide holder. 2,971,434, 2–14–61, Cl. 88—28.

Pest-Guard Products, Inc.: *See*—
Wissman, Seth. 2,997,211.

Petcar Research Corp.: *See*—
Carbaugh, Robert E. 2,981,938.
Carbaugh, Robert E. 2,981,939.

Peter, Eugen, to Telefunken G.m.b.H. Cable connector. 2,999,223, 9–5–61, Cl. 339—205.

Peter, Helmut: *See*—
Försterling, Hans, and Peter. 2,972,282.

Peter, Helmut, to P. Gossen & Co. G.m.b.H. Repeater with photoelectric control. 2,975,295, 3–14–61, Cl. 250—237.

Peter, Hewton. Expanding wedge type cable or bolt anchor. 2,970,444, 2–7–61, Cl. 61—45.

Peter, Rolf W., to Radio Corp. of America. Traveling wave tube structure. 3,002,123, 9–26–61, Cl. 315—3.6.

Peter, Rolf W., and J. P. Wittke, to Radio Corp. of America. Amplifiers and/or generators employing molecularly resonant media. 2,995,711, 8–8–61, Cl. 330—4.

Petering, Harold G.: *See*—
Lyttle, Douglas A., and Petering. 2,983,727.

Petering, Harold G., to The Upjohn Co. 8-chloroalloxazine-5, 10-dioxide. 2,973,359, 2–28–61, Cl. 260—251.5.

Petering, Harold G., to The Upjohn Co. Process for the preparation of 8-chloroalloxazine. 2,993,898, 7–25–61, Cl. 260—251.5.

Petering, Harold G., to The Upjohn Co. Preparation of 8-chloroalloxazine. 3,002,974, 10–3–61, Cl. 260—251.5.

Peterlein, Karl, to Firma Gelsenberg Benzin Aktiengesellschaft. Polymerization process. 2,990,399, 6–27–61, Cl. 260—94.9.

Peterli, Hans J.: *See*—
Schindler, Walter, and Peterli. 3,010,961.

Peterli, Hans J., and H. Heller, to J. R. Geigy, A.-G. Oxidizable compositions stabilized with 5,6-arylo-3-hydroxy-1,2,3,4-tetrahydropyridine compounds. 2,989,486, 6–20–61, Cl. 252—403.
Peterlite Products Ltd.: *See*—
de Gooreynd, Peter M. J. K. 3,013,305.
Peterman, John D., to United States of America, Army. Shock absorbing cushion for air drop operations and method of forming the same. 2,998,214, 8–29–61, Cl. 244—138.
Petermichl, Franz, and F. Eiserlo, to Licentia Patent-Verwaltungs-G.m.b.H. High-tension circuit-breaking switch. 2,988,622, 6–13–61, Cl. 200—149.
Peters, Arthur: *See*—
Bogosian, John D., and Peters. 3,014,740.
Peters, Beldon A.: *See*—
Muench, Nils L., Peters, and Hoyer. 2,998,523.
Peters, C. Wilbur: *See*—
Hirschowitz, Basil I. 3,010,357.
Peters, Carl L., to Radio Corp. of America. Method of assembling a matrix of magnetic cores. 2,985,948, 5–30–61, Cl. 29—155.5.
Peters, Clifford M: *See*—
Scott, Vernon B., and Peters. 3,010,317.
Peters, Clifford M., to U.S. Industries, Inc. Pressure responsive pilot valve for valve motor operation. 2,966,927, 1–3–61 Cl. 137—620.
Peters, Clifford M., and R. W. Dinning. Valves. 2,982,226, 5–2–61, Cl. 103—233.
Peters, Edward L., M. S. Weinstein, and J. H. Buehler, to United States of America, Navy. Incremental hydrobarophone. 3,000,216, 9–19–61, Cl. 73—398.
Peters, Freimut, to Accumulatoren-Fabrik Aktiengesellschaft. Oxidizable electrode for sealed alkaline storage cells. Re. 24,989, 5–23–61, Cl. 136—6.
Peters, Freimut, to Accumulatoren-Fabrik Aktiengesellschaft. Alkaline accumulators. 2,969,413, 1–24–61, Cl. 136—24.
Peters, Freimut, to Accumulatoren-Fabrik A.G. Counter-electromotive-force cell. 2,980,745, 4–18–61, Cl. 136—1.
Peters, Freimut, to Accumulatoren-Fabrik Aktiengesellschaft. Permanently gastight enclosed alkaline accumulator. 2,988,584, 6–13–61, Cl. 136—9.
Peters, Freimut, to Accumulatoren-Fabrik Aktiengesellschaft. Hermetically sealed alkaline storage battery. 2,988,585, 6–13–61, Cl. 136—24.
Peters, G. D., & Co., Ltd.: *See*—
Stretton, Henry J. 2,990,814.
Peters, Homer D. F., to Libbey-Owens-Ford Glass Co. Electrical testing device. 2,996,660, 8–15–61, Cl. 324—32.
Peters, James W.: *See*—
Friedrich, Louis C., Jr., Peters, and Rector. 2,968,651.
Peters, John F., to Westinghouse Electric Corp. Electromagnetic fluid pump. 2,966,858, 1–3–61, Cl. 103—1.
Peters, John G.: *See*—
Cantrell, Troy L., and Peters. 2,979,523.
Peters, Kurt. Extraction techniques for the separation and purification of metals. 2,967,088, 1–3–61, Cl. 23—14.5.
Peters, Leo W. Buckles. 2,977,655, 4–4–61, Cl. 24—196.
Peters Machinery Co.: *See*—
Fay, Rudolph J. 2,993,453.
Windstrup, Robert F., Boehler, and Schneider. 2,974,571.
Peters, Melville F., 50% to J. H. Mascuch. High pressure high temperature actuators. 2,992,634, 7–18–61, Cl. 121—48.
Peters, Norman K., and D. A. Reynick, to The Bendix Corp. Temperature limiting system for gas turbine exhaust area control. 2,971,326, 2–14–61, Cl. 60—35.6.
Peters, Otto, to Hauni-Werke Korber & Co., K.G. Apparatus for treating particulate materials. 2,987,064, 6–6–61, Cl. 131—149.
Peters, Philip H., Jr., to General Electric Co. Magnetron device. 2,997,624, 8–22–61, Cl. 315—39.67.
Peters, Philip H., Jr., to General Electric Co. Magnetron device and system. 3,013,180, 12–12–61, Cl. 315—39.
Peters, Ralph W.: *See*—
Sead, Charles D., and Peters. 2,976,205.
Peters, Robert A., to Stupa Corp. Photosensitive sheet. 2,967,105, 1–3–61, Cl. 96—88.
Peters, Robert E., Jr. Telescopic sight protector. 2,968,099, 1–17–61, Cl. 33—50.
Peters, Robert O., and D. J. Sullivan, Jr., to National Twist Drill & Tool Co. Drill construction. 2,971,409, 2–14–61, Cl. 77—68.
Peters & Russell, Inc.: *See*—
Russell, Linus E. 2,980,031.
Russell, Linus E. 2,998,022.
Peters, Sydney J. Condiment dispensers. 3,003,665, 10–10–61, Cl. 222—94.
Peters, William D., to Phillips Petroleum Co. Liquid level measurement and control. 2,992,078, 7–11–61, Cl. 23—260.
Peters, William D., to Phillips Petroleum Co. Liquid-liquid extraction process and apparatus. 3,007,979, 11–7–61, Cl. 260—674.
Peters, William W., to General Electric Co. Crankcase access and explosion relief cover. 2,997,038, 8–22–61, Cl. 123—198.
Petersen, Allen J.: *See*—
Hansen, Everett K., and Petersen. 2,984,758.
Petersen, Arnold C.: *See*—
Baudhuin, George J., and Petersen. 2,980,193.
Petersen, Blaine B. Dispenser package comprising a container and folded sheets stacked therein. 3,012,692, 12–12–61, Cl. 221—63.
Petersen, Clifford W., to McGraw-Edison Co. Brace assembly. 2,980,214, 4–18–61, Cl. 189—33.
Petersen, Clifford W., to McGraw-Edison Co. Pole top extension for aerial cable. 3,001,749, 9–26–61, Cl. 248—49.
Petersen, Earl L. Resilient supporting structures. 2,968,818, 1–24–61, Cl. 5—246.
Petersen, Gerald A.: *See*—
Goode, Robert W. 2,991,024.
Goode, Robert W. 3,000,587.
Petersen, Gerald A. Open side stringing sheave. 3,010,700, 11–28–61, Cl. 254—134.3.
Petersen, Gerald A. M. Reversible tooth having resilient retaining means. 2,968,880, 1–24–61, Cl. 37—142.
Petersen, Gerald A. M., and R. W. Goode; said Goode assor. to said Petersen. Bull wheel cable puller. 2,991,977, 7–11–61, Cl. 254—175.7.
Petersen, Gerald A. M., R. W. Goode, and H. R. Gustafson, said Goode and said Gustafson, assors. to said Petersen. Pole tensioner. 2,999,655, 9–12–61, Cl. 242—155.
Petersen Industries, Inc.: *See*—
Petersen, John E., and Lawson. 2,981,424.
Petersen, Jack A., to Radiation, Inc. Digital recording. 2,976,104, 3–21–61, Cl. 346—33.
Petersen, John E., and O. C. Lawson, to Petersen Industries, Inc. Loading apparatus. 2,981,424, 4–25–61, Cl. 214—77.
Petersen, Kai Finn: *See*—
Carlsson, Peter M., and Petersen. 2,969,277.
Petersen, Louis, to F. L. Smidth & Co. Method of cooling finely divided materials. 2,987,306, 6–6–61, Cl. 263—52.
Petersen, Olga. Topping and confectionary composition and method of producing the same. 2,970,918, 2–7–61, Cl. 99—139.
Petersen, Otto, to Farbenfabriken Bayer Aktiengesellschaft. Continuously working plant colorimeter. 2,980,512, 4–18–61, Cl. 23—253.
Petersen, Robert S. Piston and compressor structure. 2,991,003, 7–4–61, Cl. 230—53.
Petersen, Siegfried: *See*—
Degener, Eberhard, and Petersen. 2,991,292.
Domagk, Gerhard, Schellhammer, Petersen, and Konig. 3,005,824.
Muller, Erwin, Bayer, and Petersen. 3,014,894.
Tietze, Ernst, and Petersen. 3,002,000.
Petersen, Siegfried, and E. Tietze. Polymethylene-oxoquinazolines and their production. 2,992,221, 7–11–61, Cl. 260—251.
Petersen, Svend A.: *See*—
Cloutier, Eugene F., and Petersen. 2,978,752.
Petersen, Svend A., to Celanese Corp. of America. Apparatus for the production of cables. 2,976,669, 3–28–61, Cl. 57—64.
Petersen, Thorvald, to Reed Mfg. Co. Pipe cutter. 2,983,043, 5–9–61, Cl. 30—95.
Petersen, Thorvald K., and P. L. Smith, to Douglas Aircraft Co., Inc. Air cushion cargo handling system. Re. 25,045, 10–3–61, Cl. 214—1.
Petersen, Tony E. Multi-purpose power tool. 2,999,519, 9–12–61, Cl. 144—1.
Petersen, Walter C.: *See*—
Larue, Herschel C., and Petersen. 3,000,120.
Petersen, Walter C., and H. C. La Rue, to A. Teichert & Son, Inc. Canal lining machine. 2,982,104, 5–2–61, Cl. 61—63.
Petersen, William L., to Clarke Floor Machine Co. Powered floor scrubber. 2,969,557, 1–31–61, Cl. 15—50.
Peterson, Adolphe C. Counter flow regenerative gas turbines. 2,975,596, 3–21–61, Cl. 60—39.51.
Peterson, Adolphe C. Gas turbine and jet means. 2,982,094, 5–2–61, Cl. 60—35.65.
Peterson, Arlo A., and E. B. Baker, to The Borden Co. Composition comprising alkaline solution of phenol formaldehyde resin and formamide and process of bonding surfaces with same. 2,981,652, 4–25–61, Cl. 154—140.
Peterson, Arnold P. G., and E. E. Gross, Jr., to General Radio Co. Calibration apparatus. 3,012,197, 12–5–61, Cl. 324—130.
Peterson, Arthur D.: *See*—
Jodock, Marvin S. 3,000,533.
Peterson, Arvid T., to The Waterbury Farrel Foundry & Machine Co., Division of Lextron Inc. Long stroke plunger for deep drawing plunger press. 3,010,415, 11–28–61, Cl. 113—40.
Peterson, Benjamin R., Jr.: *See*—
Shiu, Thomas B. 2,982,074.
Peterson, Bertil E., to Cardwell Westinghouse Co. Journal lubricator. 2,999,726, 9–12–61, Cl. 308—87.
Peterson, Carlton G., to Vard, Inc. Aircraft control column. 2,991,963, 7–11–61, Cl. 244—83.
Peterson, Charles D., to Universal Controls Corp. Safety device for gas pressure regulator. 3,012,573, 12–12–61, Cl. 137—505.
Peterson, Charles H.: *See*—
Rouy, Auguste L. M. A., Peterson, and Glasscock. 3,003,939.
Peterson, Charles L., to Western Electric Co., Inc. Strand annealing apparatus. 2,979,321, 4–11–61, Cl. 263—3.
Peterson, Clayton R. Bowling guide. 3,012,339, 12–12–61, Cl. 35—29.
Peterson, Clyde E. Collapsible towing structure for vehicles. 2,995,386, 8–8–61, Cl. 280—491.
Peterson, Dale: *See*—
Peterson, Glen and D. 2,971,793.

Peterson, David G., to The Air Preheater Corp. Envelope construction. 2,983,485, 5–9–61, Cl. 257—245.

Peterson, David G. Engine mount for aircraft. 3,003,718, 10–10–61, Cl. 244—54.

Peterson, David G. Highway traffic safety signal. 3,007,435, 11–7–61, Cl. 116—28.

Peterson, Donald M. Archery sight. 2,982,026, 5–2–61, Cl. 33—46.

Peterson, Durey H.: *See*—
Murray, Herbert C., and Peterson. 2,992,972.

Peterson, Edward C., and W. C. Updegrave, to Birdsboro Corp. Saw blade mounting. 2,981,300, 4–25–61, Cl. 143—155.

Peterson, Edward S., to Automatic Electric Laboratories, Inc. Dial telephone operated recording system. 2,998,488, 8–29–61, Cl. 179—6.

Peterson, Edwin F. Vibrator. 2,999,393, 9–12–61, Cl. 74—87.

Peterson, Edwin F. Mounting means especially for vibrators. 3,003,733, 10–10–61, Cl. 248—224.

Peterson, Frederick J., and B. McCullough, to Curtiss-Wright Corp. Vehicle propulsion mechanism. 3,010,424, 11–28–61, Cl. 115—41.

Peterson, George, Jr. Position indicator mechanism. 3,014,208, 12–19–61, Cl. 340—319.

Peterson, Gerald B. Aircraft landing wheel rotating means. 3,004,738, 10–17–61, Cl. 244—103.

Peterson, Gerald H. Kinetic energy absorber. 2,997,325, 8–22–61, Cl. 293—1.

Peterson, Gerald H. Welding, proximity effect by phase control. 3,004,136, 10–10–61, Cl. 219—67.

Peterson, Glen, to Well Surveys, Inc. Casing joint locator. 2,967,994, 1–10–61, Cl. 324—37.

Peterson, Glen. Method and means of transducing elastic waves. 3,001,065, 9–19–61, Cl. 250—17.

Peterson, Glen and D. Means of improving the traction of wheeled vehicles. 2,971,793, 2–14–61, Cl. 291—1.

Peterson, Herman: *See*—
Peterson, Peter A. 3,002,755.

Peterson, Homer E., and M. D. Everett, to Commercial Solvents Corp. Dustless pentaerythritol and process of preparation. 3,012,078, 12–5–61, Cl. 260—632.5.

Peterson, Howard B., and Q. A. Anderson, to American Can Co. Can unloading machine. 2,994,444, 8–1–61, Cl. 214—8.5.

Peterson, James A.: *See*—
Adams, Ernest C., Jr., and Peterson. 3,012,976.

Peterson, John A.: *See*—
Catterall, John, and Peterson. 2,994,440.

Peterson, John D., to Texas Instruments Inc. Silicon photodiode. 2,994,054, 7–25–61, Cl. 338—19.

Peterson, John L., to Atlas Boiler & Equipment Co. Apparatus for particle transfer for a storage pile. 3,011,658, 12–5–61, Cl. 214—10.

Peterson, John W., and K. A. Yamakawa. Grate. 2,985,165, 5–23–61, Cl. 126—165.

Peterson, Julius P. Fishing glove. 2,980,915, 4–25–61, Cl. 2—159.

Peterson, Lowell, to General Mills, Inc. Curing epoxy resin with an amino-poly-imidazoline. 3,002,941, 10–3–61, Cl. 260—18.

Peterson, Marvin L.: *See*—
Angquist, Torstan F., and Peterson. 2,982,161.

Peterson, Marvin L., and T. F. Angquist, to Crescent Niagara Corp. Wire grip. 2,985,933, 5–30–61, Cl. 24—132.

Peterson, Merle H.: *See*—
Wathen, William A., and Peterson. 2,984,960.

Peterson, Niels G., to Mitchell Camera Corp. Register means for kinetoscopes. 2,986,316, 5–30–61, Cl. 226—57.

Peterson, Norman E., to Stelma, Inc. Data counter. 2,990,444, 6–27–61, Cl. 178—2.

Peterson, Norman L.: *See*—
Greening, Donald J., Peterson, and Smith. 3,007,099.

Peterson, Oliver H., P. H. Matisheck, and R. R. Rumsey, to Dr. Salsbury's Laboratories. Vaccine against avian respiratory infection. 2,998,349, 8–29–61, Cl. 167—78.

Peterson, Paul A. Triangle toss game. 2,981,543, 4–25–61, Cl. 273—100.

Peterson, Peter A., ½ to Herman Peterson. Aerial projectile ball game. 3,002,755, 10–3–61, Cl. 273—95.

Peterson, Philip A. Paper coating machine. 2,968,279, 1–17–61, Cl. 118—407.

Peterson, Ralph M.: *See*—
Smith, Clarence J., and Peterson. 2,975,740.

Peterson, Ramon F., and F. J. O'Brien, to Rudy Mfg. Co. Heat exchanger and method of construction. 3,004,329, 10–17–61, Cl. 29—157.3.

Peterson, Raymond A., to United Geophysical Corp. Well logging system. 3,011,582, 12–5–61, Cl. 181—.5.

Peterson, Raymond L.: *See*—
Baker, Willard L., Peterson, and Spencer. 3,014,242.

Peterson, Richard L.: *See*—
Kimm, Ewald J., and Peterson. 2,988,280.

Peterson, Robert A., to Caterpillar Tractor Co. Bulldozer for tandem push loading. 2,986,827, 6–6–61, Cl. 37—144.

Peterson, Robert E., to United States of America, Navy. Velocity compensating apparatus for sonar systems. 3,002,178, 9–26–61, Cl. 340—6.

Peterson, Robert G.: *See*—
Keiley, Dale T., and Peterson. 2,981,875.

Peterson, Robert H., to United States of America, Navy. Resolver mechanisms. 2,978,922, 4–11–61, Cl. 74—471.

Peterson, Robert J. Forced feed grain auger. 2,988,203, 6–13–61, Cl. 198—213.

Peterson, Robert M.: *See*—
Hough, Frank G., Peterson, and Treder. 2,989,199.

Peterson, Robert R.: *See*—
Moskowitz, Lester R., and Peterson. 2,997,158.

Peterson, Robert R., to Eriez Mfg. Co. Vibratory helical conveyor. 2,967,606, 1–10–61, Cl. 198—220.

Peterson, Robert W., ½ to D. R. Madden. Tank sampler. 2,998,726, 9–5–61, Cl. 73—425.4.

Peterson, Roy R. Apparatus for smoke generation. 2,971,924, 2–14–61, Cl. 252—359.

Peterson, Ruben O.: *See*—
Nelson, Brooks E., and Peterson. 2,977,622.

Peterson, Ruben O., to The Osborn Mfg. Co. Twisted stem tufted brush. 2,972,157, 2–21–61, Cl. 15—206.

Peterson, Ruben O., to The Osborn Mfg. Co. End brush construction. 2,982,983, 5–9–61, Cl. 15—180.

Peterson, Ruben O., to The Osborn Mfg. Co. Brush and brush material. 2,984,053, 5–16–61, Cl. 51—193.5.

Peterson, Ruben O., to The Osborn Mfg. Co. Cleaning and finishing machine employing belt brushes. 2,989,764, 6–27–61, Cl. 15—77.

Peterson, Ruben O., to The Osborn Mfg. Co. Composite brushing tool. 2,995,401, 8–8–61, Cl. 300—21.

Peterson, Silas C.: *See*—
Roberts, Kenneth, and Peterson. 2,992,126.

Peterson, Stanley A.: *See*—
Gordon, James H., Peterson, and Stone. 3,001,343.

Peterson, Stanley W., and C. W. Danzer, to Modine Mfg. Co. Aluminum soldering slurry. 2,981,648, 4–25–61, Cl. 148—23.

Peterson, Thomas F., to Preformed Line Products Co. Method for securing protuberance on cable with helical armor rods. 3,007,243, 11–7–61, Cl. 29—419.

Peterson, Thomas F., to Preformed Line Products Co. Helically-preformed wire envelope and methods of use. 3,007,300, 11–7–61, Cl. 57—145.

Peterson, Victor A.: *See*—
Pape, Henry C., and Peterson. 2,982,068.

Peterson, Victor W.: *See*—
Beam, Paul E., Jr., and Peterson. 2,996,146.
Larkin, Robert G., Peterson, and Schnepel. 2,971,613.
Larkin, Robert G., Peterson, and Schnepel. 3,001,587.
Perin, Warren G., and Peterson. 2,983,029.

Peterson, W. Jerome. System of merchandising and equipment therefor. 2,976,653, 3–28–61, Cl. 53—3.

Peterson, Warren S., and D. H. Thompson, to Kaiser Aluminum & Chemical Corp. Electrode of carbon material from bituminous coal and method of making the same. 2,998,375, 8–29–61, Cl. 204—294.

Peterson, Wesley R.: *See*—
Errede, Louis A., and Peterson. 2,979,539.
Freeman, Peter K., and Peterson. 2,986,520.

Peterson, Wilbert T., to Skysweeper, Inc. Encapsulated power supply. 2,985,812, 5–23–61, Cl. 321—15.

Peterson, Wilburn L.: *See*—
Riggen, Theodore K., and Peterson. 3,009,490.

Peterson, Willard D., to American Potash & Chemical Corp. Preparation of borohydrides and their intermediates. 2,974,015, 3–7–61, Cl. 23—204.

Peterson, William H., to Pullman Inc. Method and apparatus for protecting vehicle loads. 3,003,436, 10–10–61, Cl. 105—454.

Peterson, William R.: *See*—
Rapp, Raymond I. 2,969,003.

Petersson, Hjalte: *See*—
Allander, Claes, Wallin, and Petersson. 3,012,335.

Peth, Robert, to Motorola, Inc. Squelch circuit. 2,974,221, 3–7–61, Cl. 250—6.

Petherick, Edward J., to Internaltonal Business Machines Corp. Digital encoders and decoders. 2,975,409, 3–14–61, Cl. 340—347.

Petherick, Edward J., and G. C. Rowley, to International Business Machines Corp. Digital computing engines. 2,973,901, 3–7–61, Cl. 235—160.

Pethrick, Samuel R., and M. B. Sparke, to The British Petroleum Co. Ltd. Synthetic lubricants. 2,991,252, 7–4–61, Cl. 252—47.5.

Pethrick, Samuel R., and M. B. Sparke, to The British Petroleum Co. Ltd. Synthetic lubricants. 3,005,775, 10–24–61, Cl. 252—57.

Pethybridge, Charles A., to The New Britain Machine Co. Gear-hardening machine. 2,991,991, 7–11–61, Cl. 266—4.

Petion, Louis J. Shoe polishing brushes. 2,972,768, 2–28–61, Cl. 15—258.

Petit, Marceau R., to Cyber Societe Anonyme. Mechanical system for the construction of cybernetical mechanisms. 2,978,919, 4–11–61, Cl. 74—435.

Petko, Michael A.: *See*—
Noll, George H., and Petko. 3,012,426.

Petkwitz, Carl F., to General Motors Corp. Refrigerator cabinet shelf arrangement. 3,006,710, 10–31–61, Cl. 312—311.

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Petree, Harris E., to Ethyl Corp. Hydrocarbon aluminum or boron sulfates and sulfonate. 2,969,383, 1–24–61, Cl. 260—448.

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Petree, Willis E. and W. G. 2,990,618.
Petrey, Sanders W. Picture display means. 2,971,282, 2–14–61, Cl. 40—152.
Petri, Hector D., and C. J. Symonds, to United-Carr Fastener Corp. Locking fastener. 2,969,570, 1–31–61, Cl. 24—16.
Petri, Per-Magnus L. Collapsible radar target. 3,015,095, 12–26–61, Cl. 343—18.
Petrich, Louis G., to Bell Telephone Laboratories, Inc. Wave guide branching arrangements. 2,997,655, 8–22–61, Cl. 329—116.
Petrick, Edward J., to Knox Mfg. Co. Portable projection screen apparatus. 3,003,729, 10–10–61, Cl. 248—171.
Petrick, Michael, to United States of America, Atomic Energy Commission. Chimney for boiling water reactor. 2,994,657, 8–1–61, Cl. 204—193.2.
Petrides, Thracy, L. S. Tuckerman, Jr., and A. M. Winzemer, to U.S. Industries, Inc. Ground contour mapping system. 3,007,155, 10–31–61, Cl. 343—6.
Petrie, Adelore F., and D. R. Aubrey, to General Electric Co. Loudspeaker construction. 3,006,430, 10–31–61, Cl. 181—31.
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Petritz, Richard L., to United States of America, Navy. Cooled low noise, high frequency transistor. 3,009,085, 11–14–61, Cl. 317—235.
Petro, Anthony J.: *See*—
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Sweetman, John R. 3,005,778.
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Petrocokino, Denis D. Methods for protecting immersed metallic structures against corrosion. 3,001,919, 9–26–61, Cl. 204—148.
Petroff, Robert J., to Pines Engineering Co., Inc. Multihead rod and bar bender. 2,967,561, 1–10–61, Cl. 153—45.
Petrolite Corp.: *See*—
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De Groote, Melvin. 2,997,461.
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De Groote, Melvin, and Shen. 2,996,551.
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Hughes, William B., and Stromberg. 2,987,514.
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Monson, Louis T., and Jenkins. 3,009,884.
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Smith, Alvin H. 2,967,868.
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Stromberg, Verner L. 2,993,773.
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Waterman, Logan C., and Shirley. 2,976,228.
Petropoulos, John C., to American Cyanamid Co. Resinous composition and process of preparing same. 2,977,338, 3–28–61, Cl. 260—47.
Petropoulos, John C., to American Cyanamid Co. Linear polyesters and process of preparing the same. 2,979,486, 4–11–61, Cl. 260—75.
Petropoulos, John C., to American Cyanamid Co. Polyisocyanate, polyester reaction product and process. 2,998,399, 8–29–61, Cl. 260—22.
Petropoulos, John C., and F. A. V. Sullivan, to American Cyanamid Co. Novel process for preparing substituted dihydric indane derivatives. 2,979,534, 4–11–61, Cl. 260—619.
Petrovich, Anton I., and K. W. McEuen, to Lukens Steel Co. Method of making composite metal articles and parting compound for same. 2,997,784, 8–29–61, Cl. 29—470.9.
Petrow, Vladimir: *See*—
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Petrow, Vladimir, to The British Drug Houses Ltd. Process and intermediates for preparation of 17α-acyloxy-6α-methylpregn-4-ene-3:20-diones. 3,004,991, 10–17–61, Cl. 260—397.4.
Petrow, Vladimir, G. Cooley, and B. Ellis, to The British Drug Houses Ltd. Preparation of steroid compounds. 2,985,651, 5–23–61, Cl. 260—239.55.
Petrow, Vladimir, and D. N. Kirk, to The British Drug Houses. 3β-hydroxy and 3β-acyloxy-6 methylandrost-5-en-17-ones and process therefor. 2,998,435, 8–29–61, Cl. 260—397.4.
Petrow, Vladimir, and I. A. Stuart-Webb, to The British Drug Houses Ltd. 3β-hydroxy-6-methyl-Δ5-steroids and method of preparation. 3,002,969, 10–3–61, Cl. 260—239.55.
Petrow, Vladimir, and D. M. Williamson, to The British Drug Houses Ltd. 6-methyl steroid compounds and method for preparing same. 3,004,966, 10–17–61, Cl. 260—239.55.
Petrow, Vladimir, and O. Stephenson, to The British Drug Houses Ltd. Piperidine derivatives and method for preparing same. 3,014,912, 12–26–61, Cl. 260—294.3.
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Petrusewicz, Stanislaw M., and D. Turner, to B. J. Coghlin Co., Ltd. Portable spray pump. 3,003,429, 10–10–61, Cl. 103—188.
Petry, Eduard C., and O. J. Underwood, to Minneapolis-Honeywell Regulator Co. Interrelated main fuel control and nozzle area control. 2,999,353, 9–12–61, Cl. 60—35.6.
Petry, Robert K., to Congoleum-Nairn Inc. Resilient surface covering and process therefor. 2,980,575, 4–18–61, Cl. 154—138.
Pettavel, Jacques, to Societe Genevoise d'Instruments de Physique. Optical projection apparatus. 2,977,846, 4–4–61, Cl. 88—24.
Pettavel, Jacques, to Societe Genevoise d'Instruments de Physique. Driving mechanism. 2,983,163, 5–9–61, Cl. 74—665.
Pettee, Herbert M., to Geo. J. Meyer Mfg. Co. Article orienting apparatus. 3,004,650, 10–17–61, Cl. 198—33.
Pettegrew, John B., to The Hallicrafters Co. Pulse generator. 2,987,676, 6–6–61, Cl. 328—59.
Petters, Oscar R., to Hamilton Watch Co. Phase meter setting mechanism. 2,986,331, 5–30–61, Cl. 235—132.
Petters, Oscar R., to Precision Time Corp. Stem winding and setting watch movement. 3,004,382, 10–17–61, Cl. 58—68.
Petters, Oscar R., and H. B. Thompson, to Hamilton Watch Co. Clock setting and automatic regulation. 2,976,673, 3–28–61, Cl. 58—109.
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Wright, John H., Petterson, and Steinberg. 2,979,524.
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Petterson, William T. Locomotive battery charging mechanism. 2,970,550, 2–7–61, Cl. 105—50.
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Thuresson af Ekenstam, Bo, Pettersson, and Henn. 2,991,283.
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Pettibone, Raymond B., to Vickers Inc. Valve assembly and calibration. 2,970,467, 2–7–61, Cl. 73—4.
Pettigrew, David D., to Rockwell Mfg. Co. Work rests for lathes and the like. 2,970,495, 2–7–61, Cl. 74—424.8.
Pettinger, Donald S., to A.E.I.-John Thompson Nuclear Energy Co. Ltd. Gas sampling apparatus. 2,979,451, 4–11–61, Cl. 204—193.2.
Pettingill, Redge P. Animal training collar. 2,996,043, 8–15–61, Cl. 119—131.
Pettit, Frank. Toy aircraft and control therefor. 2,967,706, 1–10–61, Cl. 272—31.
Pettit, Frank. Lifting and transporting toy. 2,992,512, 7–18–61, Cl. 46—242.
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Pettit, Joseph M., to United States of America, Army. False echo transmitter. 2,989,744, 6–20–61, Cl. 343—18.
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Pettus, James L., and M. Rettinger, to Radio Corp. of America. Magnetic recording cross-talk elimination. 2,986,608, 5–30–61, Cl. 179—100.2.
Petty, Charles O., ½ to La Gloria Oil and Gas Co. Solvent extraction of aromatic from aliphatic hydrocarbons using beta hydroxy ethyl-m-tolyl sulfide or beta hydroxy ethyl phenyl sulfide. 2,968,615, 1–17–61, Cl. 208—322.
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Hasbrook, Arthur F. 3,000,461.
Pettyjohn, Elmore S., and H. R. Linden, to Institute of Gas Technology. Apparatus for pressure hydrogasification of petroleum hydrocarbons. 2,975,044, 3–14–61, Cl. 48—93.
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Petzelt, Bedrich, to Laboratorni pristroje, narodni podnik. Vibrator system. 2,998,562, 8–29–61, Cl. 321—49.

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Petzold, Howard J., and E. P. Hancock, to Intercontinental Mfg. Co., Inc. Garment treating devices. 2,986,312, 5–30–61, Cl. 223—70.

Peuron, Unto A., and M. Morisuye, to Westinghouse Electric Corp. Electrical inductive apparatus. 2,997,676, 8–22–61, Cl. 336—58.

Pevere, Ernest F., M. D. Riordan, and N. D. Carter, to Texaco Inc. Treatment of deasphalted oil and asphalt to make reformed gasoline. 2,973,313, 2–28–61, Cl. 208—86.

Peyches, Ivan, to Compagnie de Saint-Gobain. Process for grinding or polishing simultaneously the two faces of a glass sheet. 2,990,663, 7–4–61, Cl. 51—283.

Peyrebrune, Henri E.: *See*—
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Peyrebrune, Henri E.; to Miehle-Goss-Dexter, Inc. Impression cylinder pressure setting mechanism. 2,982,206, 5–2–61, Cl. 101—283.

Peyrebrune, Henri E., and B. B. Pasquinelli, to Miehle-Goss-Dexter, Inc. Sheet handling mechanism. 2,995,358, 8–8–61, Cl. 271—3.

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Peyssou, Jean, and A. Vassiliev, to Steatite Research Corp. Process of manufacturing ternary ferrites containing manganese and zinc. 3,007,874, 11–7–61, Cl. 252—62.5.

Peyton, Harvey E. F. Drive shaft lock for automotive vehicles. 2,992,693, 7–18–61, Cl. 180—82.

Pfaender, Lawrence V., to Owens-Illinois Glass Co. Mounting element and method of attachment to glass. 3,004,182, 10–10–61, Cl. 313—64.

Pfaff, Elmer F., to Olin Mathieson Chemical Corp. Shield for fastener driving tool. 3,001,197, 9–26–61, Cl. 1—44.5.

Pfaff, Elmer F., and R. W. Henning, to Olin Mathieson Chemical Corp. Tool shield. 2,979,724, 4–18–61, Cl. 1—44.5.

Pfaff, Elmer F., and R. W. Henning, to Olin Mathieson Chemical Corp. Conduit clip. 3,012,746, 12–12–61, Cl. 248—74.

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Pfaff, William A., to Diebold, Inc. Portable microfilm camera. 3,010,361, 11–28–61, Cl. 88—24.

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Pfannmueller, Wilhelm, A. Johannsen, H. Wolf, and G. Wittmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of gases containing sulfur dioxide and of solid roasted products free from arsenic and antimony by fluidized layer roasting of materials containing roastable sulfur in addition to arsenic and/or antimony. 2,978,297, 4–4–61, Cl. 23—178.

Pfanstiel, Robert, F. M. Pralatowski, and H. A. Scruton. Urea production of symmetrical N,N dichlorbis (2,4,6, trichlorphenyl). 2,968,658, 1–17–61, Cl. 260—253.

Pfarrwaller, Erwin, to Sulzer Freres, S.A. Tensioning device for the warp in weaving machines. 2,966,930, 1–3–61, Cl. 139—114.

Pfarrwaller, Erwin, to Sulzer Freres, S. A. Cam drive. 2,969,692, 1–31–61, Cl. 74—567.

Pfarrwaller, Erwin, to Sulzer Freres, Societe Anonyme. Method and means for stopping a weaving machine. 2,974,688 3–14–61, Cl. 139—353.

Pfarrwaller, Erwin, to Sulzer Freres, S.A. Selvage forming on fabrics. 2,990,854, 7–4–61, Cl. 139—123.

Pfarrwaller, Erwin, to Sulzer Freres, S.A. Demountable device in a loom for weaving. 3,014,504, 12–26–61, Cl. 139—126.

Pfarrwaller, Erwin, and H. Demuth, to Sulzer Freres S.A. Roller temple for weaving machines. 2,972,361, 2–21–61, Cl. 139—297.

Pfau, Emert S., G. H. Swart, and K. V. Weinstock, to The General Tire and Rubber Co. Rubber composition comprising a conjugated diolefin polymer and an ether of an alkanol and a phenol. 2,993,023, 7–18–61, Cl. 260—33.2.

Pfau, Emert S., G. H. Swart, and K. V. Weinstock, to The General Tire and Rubber Co. Mixture of two copolymers of a conjugated diolefinic compound and an oily plasticizer and articles formed therefrom. 2,999,822, 9–12–61, Cl. 260—2.5.

Pfau, Jean, to Ateliers des Charmilles S.A. Electrodes and devices for securing them in a machine for electrical machining. 2,978,616, 4–4–61, Cl. 317—163.

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Pfefer, Irving S., to Thermo-Pneu Corp. Laminating press including loading and unloading tables movable with platen under a conveyor. 2,997,083, 8–22–61, Cl. 144—281.

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Pfeffer, Edward C., Jr., to Peabody Cluett & Co., Inc. Positioned fusing machinery. 3,006,801, 10–31–61, Cl. 156—380.

Pfeffer, Edward C., Jr., to Peabody Cluett & Co., Inc. Automatic stay fusing device. 3,006,802, 10–31–61, Cl. 156—380.

Pfeffer, Edward C., Jr., and R. J. McFalls, to Cluett, Peabody & Co., Inc. Collar stays. 2,975,428, 3–21–61, Cl. 2—132.

Pfeffer, James F., Jr., to E. I. du Pont de Nemours and Co. Dancer roll assembly. 2,972,451, 2–21–61, Cl. 242—75.3.

Pfeffer, John W., ½ to A. W. Pfeffer. Saw with teeth having wear-resistant facing plates. 2,974,695, 3–14–61, Cl. 143—133.

Pfeffer, William E., to Electro-Mechanical Instrument Co. Edgewise indicating meter. 2,968,000, 1–10–61, Cl. 324—146.

Pfeffer, William E., to The Electro-Mechanical Instrument Co. Electrical measuring instrument. 2,970,267, 1–31–61, Cl. 324—146.

Pfefferle, William C., and P. N. Rylander, to Engelhard Industries, Inc. Process for alkylating hydrocarbons. 2,972,642, 2–21–61, Cl. 260—671.

Pfefferle, William C., and P. N. Rylander, to Engelhard Industries, Inc. Method of inhibiting polymer formation in isoparaffin-olefin alkylation. 2,989,574, 6–20–61, Cl. 260—683.44.

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Pfeifer, Arthur A., E. S. de Mocskonyi, and R. E. Von Berg, to Rheem Mfg. Co. Storage and shipping container. 2,968,933, 1–24–61, Cl. 62—176.

Pfeifer, Charles R., and R. O. Whipple, to The Dow Chemical Co. Treatment for stabilizing polymerized olefins prepared with catalytic metal compounds. 2,967,857, 1–10–61, Cl. 260—94.9.

Pfeifer, Friedrich: *See*—
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Pfeiffer, Carl F. H. Visible disposable gasoline filter for outboard motors. 3,000,504, 9–19–61, Cl. 210—94.

Pfeiffer, Claes F. H., and V. O. Valanti, to Elektriska Svetsningsaktiebolaget. Arc welding of unalloyed structural steel workpieces such as hull-plates, and arc welding electrodes therefor. 2,973,428, 2–28–61, Cl. 219—137.

Pfeiffer, Edward J.: *See*—
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Pfeiffer, Paul O., to The General Tire & Rubber Co. Elastic bag for aerial delivery. 2,991,815, 7–11–61, Cl. 150—1.

Pfeiffer, Paul O., C. O. Siemmons, and W. A. Hartz, to The General Tire and Rubber Co. Hydraulic press. 3,006,306, 10–31–61, Cl. 113—44.

Pfeiffer, Robert W.: *See*—
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Pfeiffer, Rudolf K.: *See*—
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Pfeiffer, Rudolf K., to Fisons Pest Control Ltd. Herbicidal composition and method employing a combination of a polychlorobenzoic acid and a phenoxyaliphatic acid. 2,992,913, 7–18–61, Cl. 71—2.6.

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Pfirrmann, Theodor, to Badische Anilin- & Soda Fabrik Aktiengesellschaft. Production of complex-metal tanning agents. 2,977,363, 8–22–61, Cl. 8—94.26.

Pfister Chemical Works, Inc.: *See*—
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Miskel, John J., and Wysocki. 2,971,309.
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Nickell, Louis G. 3,008,817.
Noseworthy, Melvin M. 3,009,956.
Nubel, Robert C. 2,968,594.
Pinson, Ellis R., Jr., and Laubach. 3,005,836.
Rennhard, Hans H. 3,005,024.
Rennhard, Hans H., Conover, Gordon, and Stephens. 3,002,021.
Shields, Walter A. 2,988,986.
Shull, Gilbert M., and Beck. 2,995,496.
Stephens, Charles R., Jr. 2,974,167.
Stephens, Charles R., Jr. 2,999,111.
Stieg, William E., and Gillis. 2,987,550.
Stieg, William E., and Nielsen. 2,971,966.
Pflanz, Herbert M., to Allis-Chalmers Mfg. Co. Vacuum switch having arcuate tubular contacts actuated by internal fluid pressure. 2,993,971, 7–25–61, Cl. 200—144.
Pflasterer, James L.: *See*—
Edwards, Richard E., Jr., Pflasterer, and Smeaton. 2,990,435.
Topfer, Herbert, and Pfleiderer. 2,988,600.
Pflaum, Norman C., to Gulf Research & Development Co. Filter control circuit. 2,984,801, 5–16–61, Cl. 333—70.
Pfleger, George T., to U.S. Electrical Motors, Inc. Magnetic core structure for dynamo-electric machines. 2,991,380, 7–4–61, Cl. 310—262.
Pfleger, Kenneth W. Combined reading glass, light and compass. 3,011,399, 12–5–61, Cl. 88—39.
Pfleiderer, Friedrich, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Relay comprising sealed-in contacts. 3,009,998, 11–21–61, Cl. 200—87.
Pfleiderer, Friedrich, and O. A. Thiéle, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Polarized change-over contact device. 2,999,915, 9–12–61, Cl. 200—93.
Pfleumer, Hans, to Rubatex Products, Inc. Method for the production of closed cell rubber. 3,003,192, 10–10–61, Cl. 18—53.
Pflug, Charles E., to American Motors Corp. Dip painting apparatus and method. 3,011,914, 12–5–61, Cl. 117—113.
Pfundt, George M. Tone arm retaining device. 2,998,255, 8–29–61, Cl. 274—1.
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Pfuntner, Richard A., and F. R. D'Entremont, to General Electric Co. Magnetic core construction. 3,001,163, 9–19–61, Cl. 336—217.
Phair, Robert J., to Bell Telephone Laboratories, Inc. Adhesive composition. 2,971,876, 2–14–61, Cl. 154—139.
Phalen, William L., Jr., to Hercules Powder Co. Preparation of N,N-diethyltoluamides. 2,991,310, 7–4–61, Cl. 260—558.
Phalen, William L., Jr., to Hercules Powder Co. Recovery of N,N-diethyltoluamide. 2,995,604, 8–8–61, Cl. 260—558.
Phalin, Harry O.: *See*—
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Pharis, William W., to General Dynamics Corp. Automatic telephony ringing circuit. 2,972,019, 2–14–61, Cl. 179—18.
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Munch, James C. 2,968,566.
Pharris, John A., and A. A. Mlachnik, to EZ Paintr Corp. Flexible paint roller. 3,008,167, 11–14–61, Cl. 15—230.
Phelan, George A., to The Bendix Corp. Voltage regulating system. 2,972,098, 2–14–61, Cl. 322—24.
Phelan, Louis A. M., and J. W. Vos, said Vos assignor to said Phelan. Apparatus for broiling food. 2,997,941, 8–29–61, Cl. 99—332.
Phelan, Richard R.: *See*—
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Phelan, Roy L., to Burroughs Corp. Form feeder and magnetic code reader for automatic accounting machine. 2,972,444, 2–21–61, Cl. 235—61.9.
Phelon, Russell E. Wire retaining means for an ignition coil unit. 2,968,777, 1–17–61, Cl. 336—107.
Phelon, Russell E. Terminal device and conductor assembly. 2,996,569, 8–15–61, Cl. 174—153.
Phelps, Clyde H., to V. J. Getzendanner. Vibration measuring apparatus. 2,974,521, 3–14–61, Cl. 73—70.2.
Phelps, Clyde H., to Raydyne Corp. Balancing machine bearing. 3,010,769, 11–28–61, Cl. 308—1.
Phelps Dodge Copper Products Corp.: *See*—
Dumire, Leo G., Edlen, and Haskell. 2,983,779.
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Robinson, Myron L. 3,001,889.
Phelps Dodge Corp.: *See*—
Kuzell, Charles R., Fowler, Klein, and Davis. 2,989,397.
Tuwiner, Sidney B. 2,967,814.
Tuwiner, Sidney B. 2,981,595.
Tuwiner, Sidney B. 2,981,603.
Phelps, Foster C. Solar heating control system. 2,969,918. 1–31–61, Cl. 237—1.
Phelps, Rex V., to Warren Petroleum Corp. Dry dock storage barge facility. 2,995,015, 8–8–61, Cl. 61—64.
Phelps, Richard W., to The Black-Clawson Co. Adjustable mounting for air doctor. 2,981,224, 4–25–61, Cl. 118—63.
Phelps, Roscoe E., and G. W. Clancy. Device for separating water and other foreign matter from oil. 3,012,675, 12–12–61, Cl. 210—86.
Phelps, Stuart M., to General Railway Signal Co. Humping rate indication system. 3,008,042, 11–7–61, Cl. 246—110.
Phelps, William H. Rotary cutter and housing structure. 2,983,096, 5–9–61, Cl. 56—255.
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Bingley, Frank J. 2,972,278.
Bingley, Frank J. 2,989,398.
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Bradley, William E. 2,973,489.
Bradley, William E., and Rubinoff. 2,973,437.
Bray, Ralph. 2,993,989.
Brill, Richard H., and Reed. 2,993,388.
Brown, Ralph B. 2,967,951.
Burgett, Monte I., Jr., and Ehrich. 2,979,559.
Certa, Anthony J. 2,988,853.
Chatten, John B. 3,012,887.
Clarke, Ford K., and Doelp. 2,977,515.
Clarke, Ford K., Maines, and Snyder. 2,986,846.
Colodny, Samuel H. 2,976,412.
Creamer, Edgar M., Jr. 2,990,448.
Dahlberg, Robert S., Jr. 2,977,410.
D'Aleandro, Nicholas J., Mocey, and Zearfoss. 2,978,884.
Devery, James J. 2,967,416.
Devery, James J., and Pelensky. 2,973,636.
Devery, Michael H. 3,005,321.
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Fortini, Mario M. 2,997,605.
Harris, Joseph E., Jr., and Cullen. 3004,132.
Honeycutt, Frank, Huhn, Myers, and Wilson. 2,970,874.
Hubbard, James R., and Horecky. 2,979,931.
Johnson, Harold D. 2,968,172.
Katella, Albert J. 2,975,243.
Kennedy, Gilbert J., and Weber, Jr. 2,968,958.
Kennedy, Gilbert J., and West. 3,009,438.
Kramer, William F. 2,982,110.
Kreinberg, Earl R. 3,007,113.
Kurtz, Robert G. 2,973,054.
Lasser, Marvin E. 2,980,763.
Lasser, Marvin E., and Sholet. 2,970,285.
Lawson, Basil V. 2,980,829.
Lingenbrink, Hermann E. F. C. 2,981,114.
Lippincott, Holland S. 2,968,168.
Lippincott, Holland S. 2,990,911.
Lippincott, Holland S. 2,996,895.
Loose, Winfield W. 2,969,239.
McCotter, James D., Jr. 2,987,597.
McMahon, John F., Jr., Clarke, and Ishler. 2,985,806.
Messenger, George C. 2,987,658.
Moore, Robert C. 2,990,446.
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Moulton, Stephen W. 2,969,426.
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Munster, Allen C. 2,990,515.
Nichol, Arthur V. 2,987,804.
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Payne, Paul D., Jr. 3,005,731.
Pelensky, Joseph. 2,982,120.
Plesser, Edgar W., and Seher. 2,967,979.
Rindy, Daryl H. 2,990,467.
Saverio, Francois V. M. D. 2,969,665.
Schaefer, Harold W., and Edwards. 2,966,781.
Schnable, George L. 3,005,735.
Shelby, Rufus F. 2,994,802.
Sinner, Raymond G. 2,977,512.
Smith, David B. 2,969,423.
Sorkin, Charles S., and Annett. 2,995,694.
Swift, Maurice E. 2,993,097.
Thornton, Clarence G. 3,002,271.
Tiley, John W. 2,979,444.
Topfer, Alvin R. 2,978,388.
Vasilevskis, Henry S. 2,972,074.
Vasilevskis, Henry S. 2,980,814.
Vaughan, Robert T. 3,012,921.
Waring, John W. 2,978,578.
Warnock, James T. 3,008,124.
Weaver, Calvin R., and Heil. 2,970,370.
Weimar, George P., Jr. 3,009,154.
Zearfoss, Elmer W., Jr. 2,986,013.
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Philip, George O., to International Business Machines Corp. Wire stringing machine. 2,976,894, 3–28–61, Cl. 140—93.

Philip, Julian E., and J. R. Schenck, to Abbott Laboratories. Preparation of ristocetin A salts. 2,990,329, 6–27–61, Cl. 167—65.

Philip, Julian E., and J. R. Schenck, to Abbott Laboratories. Antibiotic. 3,006,813, 10–31–61, Cl. 167—65.

Philip, Morris. Method of and apparatus for changing knitting patterns. Re. 25,101, 12–26–61, Cl. 66—19.

Philip, Morris. Methods of and apparatus for knitting. 2,997,865, 8–29–61, Cl. 66—24.

Philip, Thomas B., to The Distillers Co. Ltd. Liquid pumping apparatus. 2,972,960, 2–28–61, Cl. 103—153.

Philip, Thoni V.: *See*—
Nehrenberg, Alvin E., Philip, and Steven. 2,996,376.

Philipp, Fritz, and W. Tietze, to Accumulatoren-Fabrik Aktiengesellschaft. Gas-tight sealed alkaline accumulators. 3,003,014, 10–3–61, Cl. 136—13.

Philippbar, Mark M. Grain cleaner. 2,967,616, 1–10–61, Cl. 209—32.

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Philipps, Louis E. 2,983,903.

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Philipps, Louis E., to The Philipps Electronics Corp. Crystal vibrated reed and receiver and system of communication using same. 2,983,903, 5–9–61, Cl. 340—156.

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Bond, James A. 3,004,759.
Dombrowski, Kurt. 3,002,754.
Harper, John H. 2,992,827.
Kracht, Fred, and Harper. 2,982,548.

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Philips Laboratories, Inc.: *See*—
Brockman, Frank G. 2,985,939.

Phillipps, Gordon H.: *See*—
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Phillips, Alvin B., R. D. Young, and E. H. Brown, to Tennessee Valley Authority. Granulation of calcium metaphosphate. 3,012,874, 12–12–61, Cl. 71—64.

Phillips, Arthur E., to The Coleman Co., Inc. Tank spraying apparatus. 2,972,996, 2–28–61, Cl. 134—102.

Phillips, Arthur E., to The Coleman Co., Inc. Tank spraying method. 3,009,839, 11–21–61, Cl. 134—23.

Phillips, Benjamin, and P. S. Starcher, to Union Carbide Corp. Polyesters of 4,5-epoxycyclohexane-1,2-dicarboxylic acids. 2,967,840, 1–10–61, Cl. 260—22.

Phillips, Benjamin, and P. S. Starcher, to Union Carbide Corp. Epoxidized polyesters from 3-oxatricyclo-(3.2.1.0.2.4)-octane-6.7-dicarboxylic acid. 2,969,336, 1–24–61, Cl. 260—22.

Phillips, Benjamin, P. S. Starcher, and D. L. MacPeek, to Union Carbide Corp. Epoxy esters of epoxy carboxylic acids. 2,969,377, 1–24–61, Cl. 260—348.

Phillips, Benjamin, and P. S. Starcher, to Union Carbide Corp. Bis-(2,3-epoxycyclopentyl) ether. 2,973,373, 2–28–61, Cl. 260—348.

Phillips, Benjamin, and P. S. Starcher, to Union Carbide Corp. Process for preparing oxirane compounds. 2,977,374, 3–28–61, Cl. 260—348.5.

Phillips, Benjamin, C. W. McGary, Jr., and C. T. Patrick, Jr., to Union Carbide Corp. Composition comprising a polyepoxide and divinylbenzene dioxide. 2,982,752, 5–2–61, Cl. 260—31.2.

Phillips, Benjamin, and F. C. Frostick, Jr., to Union Carbide Corp. Epoxides and method of preparing same. 2,999,865, 9–12–61, Cl. 260—348.

Phillips, Benjamin, P. S. Starcher, and D. L. Heywood, to Union Carbide Corp. 2,3-epoxyalkylsuccinic acid derivatives and the process of making them. 2,999,868, 9–12–61, Cl. 260—348.

Phillips, Benjamin, S. W. Tinsley, and P. S. Starcher, to Union Carbide Corp. Production of epsilon-caprolactam from 6-acetoxy caproic acid and its lactone adducts. 3,000,877, 9–19–61, Cl. 260—239.3.

Phillips, Benjamin, S. W. Tinsley, and P. S. Starcher, to Union Carbide Corp. Production of alkyl-substituted epsilon-caprolactams. 3,000,878, 9–19–61, Cl. 260—239.3.

Phillips, Benjamin, S. W. Tinsley, and P. S. Starcher, to Union Carbide Corp. Process for the production of epsilon-caprolactams. 3,000,879, 9–19–61, Cl. 260—239.3.

Phillips, Benjamin, S. W. Tinsley, and P. S. Starcher, to Union Carbide Corp. Production of epsilon caprolactams. 3,000,880, 9–19–61, Cl. 260—239.3.

Phillips, Bernard C., to The Tillotson Mfg. Co. Fuel feed and charge forming apparatus. 2,979,312, 4–11–61, Cl. 261—5.

Phillips, Bernard C., to The Tillotson Mfg. Co. Charge forming apparatus. 3,003,754, 10–10–61, Cl. 261—37.

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Phillips, Charles A. Electrostatic separator. 3,013,662, 12–19–61, Cl. 209—129.

Phillips, Charles F. Child's propelled vehicle convertible to a stroller. 2,986,400, 5–30–61, Cl. 280—7.17.

Phillips, Charles R., L. P. Greenberg, and R. K. Hoffman. Soil sterilization by use of beta-propiolactone. 2,967,100, 1–3–61, Cl. 71—2.5.

Phillips, Chester S., to The Emerson Electric Mfg. Co. Winding insulators. 2,998,540, 8–29–61, Cl. 310—214.

Phillips, Curtis M. Anti smog scavenging attachment for internal combustion engines. 3,006,325, 10–31–61, Cl. 123—1.

Phillips, David B., to Hinchcliff Hardwood Lumber Co. Reinforced pallet. 2,967,036, 1–3–61, Cl. 248—120.

Phillips, Davis M., to McGraw-Edison Co. Drive fittings for pipe or conduit. Re. 25,062, 10–24–61, Cl. 285—39.

Phillips, Davis M., to McGraw-Edison Co. Support for electrical devices. 2,990,151, 6–27–61, Cl. 248—221.

Phillips, Davis M., to McGraw-Edison Co. Guy guard assembly. 3,010,546, 11–28–61, Cl. 189—31.5.

Phillips, Delbert L., to Telecomputing Corp. Pump device. 2,990,782, 7–4–61, Cl. 103—123.

Phillips, Delbert L., to Telecomputing Corp. Centrifugal actuator. 2,997,639, 8–22–61, Cl. 318—325.

Phillips, Delbert L. Auxiliary drive unit for vehicles. 3,005,510, 10–24–61, Cl. 180—14.

Phillips, Donald D., to Shell Oil Co. Halogenated spiro insecticidal compounds as insecticides. 3,012,933, 12–12–61, Cl. 167—30.

Phillips, Donald D., to Shell Oil Co. Preparation of octahalo phthalans. 3,013,022, 12–12–61, Cl. 260—346.2.

Phillips, Donald R., Q. D. Dobras, A. Makulec, and W. S. Fisher, to General Electric Co. Low brightness louver. 2,971,083, 2–7–61, Cl. 240—78.

Phillips, Earl A., and R. P. Molt, to Stanray Corp. Retractable blast deflector fence. 3,010,684, 11–28–61, Cl. 244—114.

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Phillips, Edward H. Machine for grinding and polishing lenses. 2,975,565, 3–21–61, Cl. 51—124.

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Phillips, Elvet E. Bowling instruction devices. 2,994,968, 8–8–61, Cl. 35—29.
Phillips, Floyd L., Jr., to Old Dominion Box Co., Inc. Hosiery package. 2,968,393, 1–17–61, Cl. 206—46.
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Phillips, James A., B. R. Suydam, and J. L. Tuck, to United States of America, Atomic Energy Commission. Pinched plasma reactor. 2,991,238, 7–4–61, Cl. 204—193.2.
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Spencer, Rolf E., and Phillips. 2,994,812.
Phillips, James H., to Electric & Musical Industries Ltd. Servomotor control system especially for machine tools. 3,004,200, 10–10–61, Cl. 318—28.
Phillips, James H., D. R. Anderson, and F. P. Manlik, to Nalco Chemical Co. Method and composition for combating slag formation on refractory surfaces. 3,002,855, 10–3–61, Cl. 117—123.
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Phillips, Lawrence H., to Container Corp. of America. Compartmented carton. Re. 25,073, 10–31–61, Cl. 229—28.
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Phillips, Malcolm E., Jr., to American Machine & Foundry Co. Cigarette making machine uniting band conveying drum. 2,984,245, 5–16–61, Cl. 131—94.
Phillips, Nicholas. Card-supporting artificial Christmas trees for Christmas card displays. 2,976,632, 3–28–61, Cl. 40—124.
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Adams, Loyd W. 3,006,755.
Adams, Loyd W. 3,008,801.
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Adelman, Barnet R. 2,980,021.
Adelman, Barnet R. 2,982,090.
Adelman, Barnet R. 3,005,692.
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Alden, John P., and Kimmel. 2,989,844.
Allen, James H. 2,972,050.
Anderson, Herbert R., Jr. 2,979,446.
Angel, Richard R. 3,013,612.
Arens, James L., and Ratje. 2,983,589.
Atkinson, Vernon T. 3,006,717.
Axe, William N., and Benedict. 3,013,960.
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Bailey, Grant C. 3,007,905.
Banks, Robert L. 2,986,557.
Bearer, Louis C. 2,985,525.
Begley, John W. 2,983,771.
Bellinger, Carnot E. 2,985,565.
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Benz, George R. 2,993,343.
Berger, Donald E. 2,990,437.
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Bice, Charles C. 2,995,431.
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Boeke, Paul J., and Scott. 2,981,727.
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Brace, Robert L., and Schirmer. 3,002,819.
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Brazil, Robert J., and Blasche. 2,998,704.
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Brooke, Jesse M. 3,012,606.
Brown, Reynolds D., Jr. 3,001,104.
Bubb, Frank W. 3,006,541.
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Bunn, George P. 3,005,317.
Burnside, Charles H. 3,009,385.
Burton, Joe M. 2,973,713.
Burton, Joe M. 2,991,167.
Burton, Joe M. 2,993,334.
Burton, Joe M. 2,994,190.
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Cabbage, John T. 2,977,288.
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Cabbage, John T. 2,990,431.
Canterino, Peter J. 2,973,088.
Canterino, Peter J., and Mills. 3,001,968.
Cantrel, Kenneth E., and Cobb. 3,012,934.
Carpenter, Paul G. 2,969,321.
Carpenter, Paul G. 2,979,488.
Carpenter, Paul G. 2,994,200.
Carpenter, Paul G. 3,011,931.
Carr, Donald E. 3,006,142.
Carr, Donald E. 3,010,814.
Chapman, Weldin G., and Graves. 2,978,387.
Cines, Martin R. 2,970,990.
Cines, Martin R. 2,970,991.
Cines, Martin R. 2,971,951.
Clark, Alfred. 2,970,955.
Clay, Harris A. 2,994,644.
Clay, Harris A. 3,013,952.
Cobb, Joseph R., Jr. 2,970,177.
Collins, Russell L. 2,995,698.
Constantikes, George J. 2,982,718.
Corley, Boyce M., and Ratliff. 2,995,432.
Cottle, John E. 2,992,976.
Cottle, John E. 3,004,629.
Cottle, John E. 3,014,849.
Craighead, Emery M., and Purre. 3,010,707.
Crain, Donald L., and Hartzfeld. 3,009,001.
Crawford, Francis W. 2,967,052.
Crawford, Francis W. 3,004,594.
Crawford, Francis W., and Parker. 3,004,595.
Crawford, Francis W., and Trantham. 2,994,374.
Crawford, Francis W., and Trantham. 2,994,376.
Cutforth, Howard G. 2,970,046.
Cutforth, Howard G. 2,995,189.
Cutforth, Howard G. 3,010,355.
Czenkusch, Edward L. 3,014,019.
Czenkusch, Edward L., and Fawcett. 3,002,963.
Davison, Joseph W. 2,982,794.
Davison, Joseph W. 2,999,890.
De Bell, John M. 2,969,143.
De Boisblanc, Deslonde R. 2,982,091.
De Boisblanc, Deslonde R. 2,982,910.
De Boisblanc, Deslonde R. 3,002,339.
De Haven, Clark G. 2,976,716.
De Haven, Clark G., and Welty. 2,968,833.
De Lano, Merritt V., Jr. 2,972,648.
Dickey, Myron L. 2,994,598.
Dickinson, Travis R., and Gloyna. 3,010,151.
Dilbert, Meredith N. 2,995,500.
Dixon, Henry O. 2,985,238.
Doss, Richard C. 3,013,382.
Dye, Robert F. 3,006,908.
Dye, Robert F., and Renberg. 2,985,597.
Eades, Lawrence R. 2,994,912.
Eddy, William R. 2,976,723.
Eddy, William R. 2,994,923.
Edmiston, Gilbert L. 2,974,174.
Edwards, Oliver D. 2,976,253.
Emslie, Norman M., and Reed. 3,001,789.
Favre, John A. 3,000,854.
Fawcett, William L. 2,969,348.
Findlay, Robert A. 2,974,181.
Findlay, Robert A. 2,975,222.
Findlay, Robert A. 2,982,716.
Findlay, Robert A. 3,002,583.
Fisher, Horace L. 2,974,226.
Fisher, Horace L., and Miller. 2,974,227.
Fisher, Horace L., Porter, and Price. 3,013,153.
Fisher, Joseph F. 2,999,127.
Fluegel, Dale A. 2,973,638.
Fluegel, Dale A. 2,985,826.
Fluegel, Dale A., and Tolin. 2,982,911.
Foote, Jerry J., Mustard, and Rankin. 3,004,406.
Ford, William W., and Kube. 2,978,063.
Fox, Homer M. 2,970,898.
Fox, Homer M. 2,974,476.
Fox, Homer M. 2,985,104.
Fox, Homer M. 2,987,873.
Fox, Homer M. 2,987,875.
Fox, Homer M. 2,995,008.
Fox, Homer M., and Keller. 3,006,713.
Franzus, Boris. 2,999,837.
Frey, Frederick E. 2,999,071.
Frey, Frederick E. 3,007,520.
Gardner, Lloyd E. 2,970,102.
Gerner, Robert V. 3,010,513.

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Gilmore, Forrest E. 2,970,107.
Gilmore, Forrest E. 2,985,583.
Gilmore, Forrest E. 2,989,853.
Gish, Malcolm D. 2,982,722.
Goering, Gordon D. 3,004,926.
Goins, Robert R. 2,981,723.
Goldtrap, Walter A. 2,978,443.
Goodhue, Lyle D. 2,997,379.
Goodhue, Lyle D. 3,006,752.
Goodhue, Lyle D. 3,012,935.
Goodhue, Lyle D., and Cantrel. 3,008,872.
Goodhue, Lyle D., Louthan, and Cantrel. 3,000,799.
Gose, Robert O. 3,010,678.
Gray, Roy A. 2,997,483.
Green, William E., and Gaede. 2,973,628.
Griffin, Donald E. 2,993,566.
Guay, Roland H. 3,010,400.
Guth, Eugene D. 2,985,526.
Haas, Harold W. 2,973,249.
Hachmuth, Karl H., and Morgan. 2,995,208.
Hachmuth, Karl H., and Tabler. 2,982,798.
Hall, Robert L., and Smith. 2,978,377.
Hamilton, Bob R. 2,994,191.
Harmer, Robert S. 2,979,481.
Harper, Kenneth A. 2,970,117.
Harper, Kenneth A. 2,985,517.
Hawkins, Harold M. 3,004,016.
Haymes, William G., and Keathley. 2,995,091.
Hays, George E., and Hawkins. 2,988,575.
Helmers, Carl J. 2,967,090.
Heop, Harold J., and Drehman. 2,968,684.
Hillyer, John C. 3,003,848.
Hillyer, John C., and Hachmuth. 3,004,051.
Hitzman, Donald O., and Schneider. 2,979,377.
Holm, Vernon C. F., Bailey, and Clark. 2,985,598.
Houston, William L., Jr. 2,979,316.
Hurley, James R. 2,994,375.
Hurley, James R. 3,002,379.
Hurley, James R. 3,014,528.
Hurley, James R., and Purre. 3,010,512.
Hurst, James W. 2,973,549.
Hutchinson, William M., and Uraneck. 2,978,429.
Hutson, Thomas, Jr., and Walker. 2,982,801.
Hutto, John F. 3,004,088.
Hutto, John F. 3,004,089.
Irvin, Howard B. 3,008,938.
Johnson, Paul H., Denton, and Eberline. 2,977,323.
Johnston, Kenneth L. 2,984,358.
Jones, Donald T. 3,011,146.
Jones, Rufus V. 2,989,514.
Jones, Rufus V., and Canterino. 2,980,656.
Jones, Rufus V., and Canterino. 2,994,679.
Kangas, Charles H. 2,969,799.
Karasek, Francis W., and Skinner. 2,979,385.
Keathley, Anthony C., and Allenson. 3,008,417.
Keller, John A. 2,978,308.
Kimmel, Norman A. 2,987,880.
Kimmel, Norman A. 2,995,011.
Kindred, Raymond L. 2,982,123.
King, William R. 3,004,940.
King, William R. 3,013,785.
King, William R., and Rowe. 2,973,863.
Kleinmann, Earl E., and Tooman. 3,012,900.
Kleinschmidt, Roger F., and Pitts. 3,002,029.
Kleiss, Louis D. 2,994,646.
Koble, Robert A. 2,979,378.
Koble, Robert A. 2,982,445.
Koble, Robert A. 2,993,342.
Koble, Robert A., and Cobb. 2,974,180.
Koble, Robert A., and Goldtrap. 2,997,432.
Koble, Robert A., and Sherk. 3,013,004.
Kratochvil, Kenneth V. 2,977,472.
Kraus, Gerard. 2,984,281.
Kraus, Gerard. 2,993,903.
Kraus, Gerard, and Carr. 3,002,944.
Krejci, Joseph C. 2,967,762.
Krejci, Joseph C. 3,009,784.
Kron, Carl M. 2,977,289.
Kron, Carl M. 3,009,002.
Kuntz, Louis E. 3,005,554.
Lanning, William C. 2,981,728.
Lanning, William C. 3,003,580.
Lanning, William C., Hogan, Banks, and Detter. 2,970,-135.
Larsen, Olaf E. 3,013,925.
Lawson, Shelby D. 3,008,896.
Little, Donald M. 3,003,943.
Loewen, Bruno F. 3,004,833.
Logan, Richard S. 3,006,952.
Louthan, Rector P. 2,999,105.
Lupfer, Dale E., and Coughenour. 2,968,308.
Lyons, Harold D. 2,993,883.
MacSporran, Charles. 2,973,812.
Mahan, John E. 2,969,639.
Mahan, John E. 2,987,547.
Mahan, John E., and Turk. 2,995,558.
Mahan, John E., and Williams. 2,993,904.
Mallen, Tyson H., and Mertz. 3,008,870.
Mallek, Emil A. 3,013,383.
Marquis, Duane E. 2,975,768.
Marquis, Duane E. 2,993,447.
Marquis, Duane E., Miller and Patterson. 2,976,930.
Marsden, Ross S., Jr. 2,970,259.
Martinez, Jesus S. 3,008,809.
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Marx, John W., Trantham, and Parker. 3,004,597.
Mathis, Clyde H. 2,982,797.
Maurer, Charles A. 2,995,203.
McGlamery, Roger M. 2,993,876.
McLeod, Norman F. 2,974,131.
McLeod, Norman F. 2,982,763.
McLeod, Norman F. 3,001,978.
McMichael, Wallace T. 2,985,055.
Meade, Leonard P. 2,971,344.
Meade, Leonard P. 2,976,695.
Merryfield, George E. 3,013,088.
Mertz, Clyde W. 3,003,893.
Mills, Kenneth R. 2,997,456.
Mitchell, Charles G. 2,974,100.
Mitchell, Charles G. 2,998,095.
Moberly, Charles W. 2,974,130.
Moberly, Charles W. 3,003,515.
Molique, Lawrence G. 2,988,347.
Montgomery, Orin C. 2,982,919.
Moon, John J. 3,004,086.
Moon, John J., and Hawkins. 2,993,599.
Moore, Robert B., and Atkinson. 3,006,729.
Morgan, Lyman W. 2,974,017.
Morgan, Rexford R. 2,984,991.
Morgan, Thomas D. 2,972,716.
Moss, Coy L., and Wilkins. 2,969,194.
Mullen, Charles V., Jr. 2,984,863.
Mullen, Charles V., Jr. 2,994,101.
Mullin, William H., and Feeney. 3,000,192.
Murphey, Joseph H., Jr. 2,986,092.
Myers, John W. 2,999,805.
Naylor, Floyd E. 3,004,018.
Nelson, William M. 3,007,902.
Nisle, Robert G. 2,973,684.
Nowlin, Gene, and Lyons. 2,969,408.
Oglesby, Minor W., Jr. 2,973,772.
Oglesby, Minor W., and Larkin. 2,966,920.
Osborn, Charles W., and Veal. 3,010,816.
Owen, James R. 2,982,795.
Parker, Harry W. 2,973,813.
Parker, Harry W., and Rogers. 3,004,596.
Peck, Alvin W. 2,969,280.
Peck, Alvin W. 2,973,729.
Peters, William D. 2,992,078.
Peters, William D. 3,007,979.
Piety, Raymond G. 2,976,106.
Piety, Raymond G. 3,012,625.
Piety, Raymond G. 3,015,085.
Piety, Raymond G., and Marsden. 2,981,358.
Pitchford, Armin C. 2,989,494.
Pitzer, Emory W. 2,985,596.
Pitzer, Emory W. 2,994,667.
Pitzer, Emory W. 3,002,935.
Plassmeyer, Louis E. 3,001,532.
Plassmeyer, Louis E. 3,001,769.
Pollock, Lyle W. 2,998,404.
Pollock, Lyle W. 3,002,293.
Posey, Robert L. 2,994,106.
Porter, Norman J. 3,012,673.
Pouppirt, Walter C. 3,013,820.
Pouppirt, Walter C., Jr. 3,004,719.
Pritchard, James E. 2,978,362.
Railsback, Henry E., and Morris. 3,013,926.
Reddy, Cyril A. 2,984,049.
Reddy, Cyril A., Holt, Shaffer, and Reinhardt. 3,012,-376.
Reed, Edwin E. 2,993,344.
Reed, Edwin E. 3,006,149.
Reed, Edwin E., and Brandt. 2,979,134.
Reed, Edwin E., and Dyer. 3,013,819.
Reeder, Seth D. 2,973,435.
Reid, James A. 2,979,142.
Reinecke, Marvin E., and Guenther. 2,972,246.
Remke, Marvin A., and Hebard. 2,995,139.
Reynolds, Orvel B. 2,971,295.
Reynolds, William B. 2,982,636.
Reynolds, William B., and Canterino. 2,972,604.
Reynolds, William B., and Pritchard. 2,970,132.
Reynolds, William B., and Pritchard. 3,003,861.
Rice, Robert B. 2,974,743.
Robbins, Archie L., and Mills. 3,004,001.
Rogers, Allen S. 2,973,811.
Rogers, Allen S., Hurley, and Parker. 3,004,603.
Rush, Elton E. 2,995,009.
Sammons, George D. 2,969,638.
Scharf, Reinhard W. 2,995,430.
Schleicher, Arthur R. 3,010,516.
Scott, Cleveland R. 2,994,189.
Scott, John N., Jr., Alexander, and Whittington. 3,012,-280.
Scott, John N., Jr., and Jones. 2,973,241.
Seefluth, Charles L. 2,981,979.
Seefluth, Charles L. 2,999,560.
Shell, Francis J. 2,985,239.
Sherk, Fred T. 2,978,441.
Sherk, Fred T., and Koble. 2,982,602.
Shope, Claude A. 2,988,877.
Short, James N., and Farrar. 2,999,089.
Short, James N., and Pritchard. 2,997,453.
Siedenstrang, Fred A., and Reinmuth. 3,004,083.
Silas, Cecil J., and Scott. 2,999,274.
Simpson, Billy D., Schnitzer, and Cobb. 3,007,931.
Sloneker, Littleton B. 2,998,044.
Slover, James W. 3,004,911.

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Smith, Bobbie H., and Kennedy. 2,970,125.
Smith, Frederick M., and Pritchard. 2,973,345.
Solomon, Paul W. 3,012,002.
Stalder, William L. 3,008,947.
Stansbury, Roy E. 3,005,751.
Stansbury, Roy E., and Goodhue. 2,969,303.
Stegelman, Albert F. 2,984,973.
Stevens, James I., and Cottle. 3,004,019.
Stevens, James I., Cottle, and Wise. 2,987,487.
Stoller, Frederick L. 2,969,349.
Stone, Royal H. 2,990,366.
Stoops, Charles E., and Day. 2,981,670.
Stoops, Charles E., and Day. 3,007,859.
Stratton, Charles A. 3,006,846.
Thielen, Albert F., Jr. 3,000,058.
Thomas, Luther H. 2,995,264.
Thompson, Ralph R., and Brasch. 3,006,367.
Thompson, William H. 2,983,774.
Tompkins, Harold W., and Archer. 2,992,092.
Trantham, Joseph C. 2,994,377.
Trantham, Joseph C., and Parker. 3,007,521.
Traue, Henry A., and Gordon. 2,985,516.
Turk, Stanley D., and Simpson. 2,996,509.
Vaclaw, Mike M. 2,993,948.
Van Pool, Joe. 2,974,182.
Van Pool, Joe. 3,006,739.
Van Pool, Joe, and Sharp. 2,988,894.
Varvel, Charles W., and Montgomery. 2,977,322.
Veal, Dean J. 2,982,796.
Vesper, Daniel M., and Michael. 3,003,106.
Waddill, Paul M. 2,982,717.
Wagner, Cary R. 3,005,793.
Wagner, Paul H., Kosinsky, Goins, and Kolner. 3,008,940.
Walden, Ernest J. 2,988,876.
Walden, Ernest J. 2,990,683.
Walker, Billy L., and Kraft. 3,002,231.
Walls, William S. 2,999,539.
Warner, Paul F. 2,993,941.
Warner, Paul F. 2,975,200.
Warner, Paul F. 2,979,509.
Warner, Paul F. 2,995,503.
Warner, Paul F. 3,011,979.
Warner, Paul F., and Adams. 3,004,071.
Warner, Paul F., and Archer. 2,993,923.
Warner, Paul F., and Maxwell. 2,974,176.
Warner, Paul F., and Sims. 2,974,177.
Webster, George J. 3,011,872.
Webster, George J., and Lawrence. 3,013,865.
Weedman, John A. 2,981,773.
Welchon, James K. 2,975,724.
Welchon, James K. 2,984,309.
Westbrook, Edgar A., and Sharp. 2,994,359.
Wheat, Robert C. 2,984,644.
Whitney, William B. 2,982,728.
Wiley, Fred E. 2,977,351.
Wilkins, Paul E. 2,979,351.
Williams, Barney W. 3,006,744.
Williams, Barney W., Smith, and McMichael. 2,995,429.
Williams, Barney W., Smith, and McMichael. 2,996,370.
Wilson, Joseph F. 2,980,526.
Wilson, Lawrence V., Jr. 3,008,944.
Witt, Donald R. 2,980,659.
Witt, Donald R. 2,984,653.
Witt, Donald R. 3,006,909.
Wride, William J., and Moon. 3,007,578.
Wrightman, Robert E., and Kratochvil. 2,991,646.
Young, Charles E., Jr. 3,008,599.
Zelezny, William F. 3,011,927.
Zelinski, Robert P. 2,975,160.

Phillips, Ralph O. : *See*—
Land, William E., and Phillips. 3,000,308.

Phillips, Ralph P. : *See*—
Jensen, Walter L., Phillips, and Claussen. 3,005,899.

Phillips, Richard A., to United States of America, Navy. Ground speed computer. 2,967,660, 1–10–61, Cl. 235—61.

Phillips, Richard H., and J. E. Solecki, to Western Electric Co., Inc. Accumulator for converging conveyors. 2,978,092, 4–4–61, Cl. 198—32.

Phillips, Richard L. Voltage regulator. 2,969,499, 1–24–61, Cl. 323—67.

Phillips, Robert R. : *See*—
Gates, John W., Jr., Miller, Phillips, and Nadeau. 2,992,213.

Phillips, Ronald J., to R.F.D. Co. Ltd. Inflatable life-rafts or like craft. 2,970,324, 2–7–61, Cl. 9—11.

Phillips, Ronald W., to St. Lawrence Starch Co. Ltd. Device for applying punch tags. 2,971,306, 2–14–61, Cl. 53—137.

Phillips, Roy S. Baby holder. 2,973,889, 3–7–61, Cl. 224—45.

Phillips, Russell C. : *See*—
Boomer, Daryl R., Clapperton, and Phillips. 2,985,643.

Phillips Screw Co. : *See*—
Cummaro, Louis A. 2,980,929.

Phillips, Sidney : *See*—
Friedman, Harry S., and Phillips. 2,997,916.

Phillips, Stephen : *See*—
Morval, Alexander, and Phillips. 2,971,796.

Phillips, Strother L. Door opening alarm. 3,013,523, 12–19–61, Cl. 116—86.

Phillips-Van Heusen Corp. : *See*—
Ainslie, Thomas D. 2,996,723.
Simpson, Howard W. 2,994,885.

Phillips, Wallace G., W. O. Hall, and H. H. Overstreet. Container handle construction. 2,979,253, 4–11–61, Cl. 229—54.

Phillips, Warren E., to The Firestone Tire & Rubber Co. Resin cured butyl composition and article. 2,996,465, 8–15–61, Cl. 260—27.

Phillips, William, deceased (E. H., E. D. and J. B. Phillips, executors) ; one-fourth to B. M. Phillips, one-fourth to E. H. Phillips, one-fourth to E. D. Phillips, and one-fourth to J. B. Phillips. Apparatus for producing ophthalmic lenses. 3,004,372, 10–17–61, Cl. 51—131.

Phillips, William H., Jr. : *See*—
Huelster, Otto J., Phillips, and Scott. 2,997,716.

Phillips, William M. : *See*—
Tuttle, Jack L., and Phillips. 2,974,970.

Phillipson, Rainer : *See*—
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Phin, Sydney R. Apparatus for forming cartons from carton blanks. 3,004,478, 10–17–61, Cl. 93—44.

Phippen, Arnold M. Ore classifier. 2,992,740, 7–18–61, Cl. 209—316.

Phipps, Arthur R. : *See*—
David, Freddy, and Phipps. 2,979,709.

Phipps, John W. : *See*—
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Philbotte, Gaston. Pencil sharpener. 2,979,031, 4–11–61, Cl. 120—96.

Phoenex-Naehmaschinen AG Baer & Rempel : *See*—
Engel, Wolfgang. 3,012,531.

Phoenix Gage Co. : *See*—
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Phoenix Gummiwerke Aktiengesellschaft : *See*—
Heintzmann, Hans F., Selz, Blenkle, and Lerbs. 3,012,546.

Phoenix Naehmaschinen A.-G. Baer & Rempel : *See*—
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Engel, Wolfgang. 2,983,240.

Phoenix-Rheinrohr Aktiengesellschaft Vereinigte Huttenund Rohrenwerke : *See*—
Lückerath, Werner, and Graue. 2,990,610.

Phoenix Steel Corp. : *See*—
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Neff, Russell J. 2,988,384.

Photoceramics, Inc. : *See*—
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Photo Devices, Inc. : *See*—
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Photogrammetrie G.m.b.H. : *See*—
Scheffold, Hermann. 2,997,935.

Photogrammetry, Inc. : *See*—
Merritt, Everett L. 2,968,228.
Merritt, Everett L. 2,995,992.

Photographic Analysis, Inc. : *See*—
Barnett, John S. 2,988,953.
Barnett, John S., and Karplus. 3,010,024.

Photo Research Corp. : *See*—
Crandell, Frank F. 2,982,174.

Phrix-Werke Aktiengesellschaft : *See*—
Opderbeck, Fritz, Trapp, and Wörner. 2,979,500.

Phyl, Joseph, to Research-Cottrell, Inc. Collecting electrode. 2,996,144, 8–15–61, Cl. 183—7.

Phyl, Joseph, to Research-Cottrell, Inc. Electrical precipitator apparatus. 2,999,561, 9–12–61, Cl. 183—7.

Physikalisch-Technische Werkstatten : *See*—
Helmann, Walter. 2,979,621.

Placente, Anthony N., to Congoleum-Nairn Inc. Decorative plastic sheets. 3,003,905, 10–10–61, Cl. 156—251.

Plana, Renato, to di Ing. Renato Plana & C. Edit, S.A.S. Roof covering comprising structural members made from plastics. 3,001,333, 9–26–61, Cl. 50—268.

Planowski, Leon J., to The Udylite Corp. Carrier stop. 2,988,014, 6–13–61, Cl. 104—162.

Plasecki, Frank N. Helicopter and balloon aircraft unit. 3,008,665, 11–14–61, Cl. 244—2.

Plazza, Frank D., Jr. Strain gauge. 3,000,208, 9–19–61, Cl. 73—136.

Plazza, Gian F., to Aktiengesellschaft Brown Boveri & Cie. Method of and apparatus for cyclic transmission of data. 2,967,234, 1–3–61, Cl. 250—6.

Plazze, Thomas E., to Continental Can Co., Inc. Container filling and closing machine. 2,976,660, 3–28–61, Cl. 53—266.

Plazze, Thomas E., and R. B. Cook, to Continental Can Co., Inc. Vacuumizing and sealing machine for plastic bags. 2,984,055, 5–16–61, Cl. 53—9.

Picalarga, Marcello. Feed and discharge screen structures for rock crushing apparatus. 2,996,261, 8–15–61, Cl. 241—77.

Picanol, Jaime. Tool for cutting bevel gears, hypoid gears and similar gears. 2,975,508, 3–21–61, Cl. 29—105.

Picanol, Jaime. Machines for cutting bevel, hypoid and similar gears. 3,009,397, 11–21–61, Cl. 90—5.

Picard, Jean P., to United States of America, Army. Method for the preparation of HMX. 2,983,725, 5–9–61, Cl. 260—239.

Piccoli, William A., to Dow Corning Corp. Organopolysiloxanes stabilized with ferrocene and ferrocene derivatives. 2,979,482, 4–11–61, Cl. 260—45.75.

Piceu, John G., and M. M. Gerson; said Gerson assor. to said Piceu. Electric welding method and composition. 2,970,204, 1–31–61, Cl. 219—92.
Picha, George J.: *See*—
Winkler, Frederic C., and Picha. 2,980,880.
Picha, George J., to Westinghouse Electric Corp. Single stem hanger for lighting fixtures. 2,967,040, 1–3–61, Cl. 248—324.
Picha, Robert J.: *See*—
Cadman, Corlis D., Notbohm, and Picha. 2,977,681.
Pichal, Henri T., to General Dynamics Corp., R. F. transformer design for minimum coupling to shielding cover. 3,003,129, 10–3–61, Cl. 336—87.
Pichler, Herman P.: *See*—
Burritt, Silvius, Jr., and Pichler. 2,992,808.
Pichler, Joseph R., to General Motors Corp. Ice making apparatus. 2,982,113, 5–2–61, Cl. 62—302.
Pichnarcik, Anthony J.: *See*—
Mard, Kenneth C., and Pichnarcik. 3,005,520.
Pichon, Louis C. B., to Nord Aviation Societe Nationale de Constructions Aeronautiques. Injector having a high flow rate ratio. 2,981,483, 4–25–61, Cl. 239—464.
Pick, Charles O., to Pacific Pulp Molding Co. Molded pulp tray dispenser. 2,980,289, 4–18–61, Cl. 221—279.
Pick, Vernon J.: *See*—
Barnard, Cecil P., and Beaumont. 3,011,700.
Pickell, Marion W., to Kerr-McGee Oil Industries, Inc. Wax-in-water emulsion and process for the preparation thereof. 2,993,800, 7–25–61, Cl. 106—271.
Picken, William. Collapsible ironing board. 3,004,356, 10–17–61, Cl. 38—117.
Pickens, David L.: *See*—
Palmer, Charles G., and Pickens. 3,005,135.
Pickens, Gerald F.: *See*—
Stimson, Allen G., and Pickens. 3,003,389.
Pickens, Gerald F., to Eastman Kodak Co. Manual control of exposure control system for photographic camera. 2,991,704, 7–11–61, Cl. 95—64.
Picker X-Ray Corp., Waite Mfg. Division, Inc.: *See*—
Ball, Jack. 2,993,123.
Foderaro, Anthony J. 2,968,732.
Graves, Edward B., Hill, and Thorburn. 3,009,993.
Green, Donald T., and Slagle. 2,998,526.
Schiring, Ralph C. 2,997,585.
Schiring, Ralph C. 3,013,155.
Pickering, Dorothy F.: *See*—
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Rado, Leopold. 3,011,293.
Pickering, Royce D., to Eastman Kodak Co. Beam combining prism. 2,983,183, 5–9–61, Cl. 88—1.
Pickern, James H., ½ to Samuel A. Hooker. Method of treating corrugating and laminating a flexible absorbent sheet material. 3,002,873, 10–3–61, Cl. 156—205.
Pickett, Charles F., and M. Rosenfeld, to United States of America, Army. Conditioning treatment for cooling systems after acid cleaning. 2,990,303, 6–27–61, Cl. 134—22.
Pickett, Oscar A.: *See*—
Ballentine, James B., and Pickett. 3,011,904.
Pickett, Robert E., and C. H. Willyard, to North Electric Co. Antomatic telephone system. 3,008,008, 11–7–61, Cl. 179—15.
Picking, Jay W., and A. P. Di Vincenzo, to The Reliance Electric and Engineering Co. Generator control system. 2,992,376, 7–11–61, Cl. 318—158.
Pickles, John, to Carding Specialists (Canada) Ltd. Pressure rollers. 3,001,424, 9–26–61, Cl. 80—56.
Pickles, Joseph, to Ferro Stamping Co. Latch mechanism. 2,978,268, 4–4–61, Cl. 292—280.
Pickles, Joseph, to Ferro Stamping Co. Adjustable seat support mechanism. 2,980,163, 4–18–61, Cl. 155—14.
Pickles, Joseph, to Ferro Stamping Co. Automatic luggage compartment lid control system. 2,999,683, 9–12–61, Cl. 268—74.
Pickles, Sidney. Shielded antenna. 3,000,008, 9–12–61, Cl. 343—792.
Pickles, Sidney B., to International Telephone and Telegraph Corp. Air navigation radio system. 2,978,701, 4–4–61, Cl. 343—106.
Picklesimer, Lewellyn G., to United States of America, Air Force. THPO tanned leather. 2,993,744, 7–25–61, Cl. 8—94.33.
Picklesimer, Marion L., and W. C. Thurber, to United States of America, Atomic Energy Commission. Neutronic reactor fuel element. 2,967,141, 1–3–61, Cl. 204—193.2.
Pickrell, Hugh E., Jr., to R.P.T.Z. Patco Co. Cargo vessel. 3,009,587, 11–21–61, Cl. 214—15.
Pickrell, John W. Agricultural spraying. 2,976,647, 3–28–61, Cl. 47—58.
Picolo, Ray. Method of engraving print roller. 3,001,272, 9–26–61, Cl. 29—407.
Pidgeon, Joseph A., to Church-Budget Envelope Co. Collating machine construction. 2,997,293, 8–22–61, Cl. 270—58.
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Lakatos, Emory, Pidhayny, and Gordon. 2,991,463.
Pidhayny, Denny D., to Thompson Ramo Wooldridge Inc. Doppler radar transmitter. 3,001,189, 9–19–61, Cl. 343—8.
Piecha, Leo M., to Hughes Aircraft Co. Magnetic core memory element. 3,003,138, 10–3–61, Cl. 340—174.
Piel, Alfred J. Automatic animal feeder. 2,987,040, 6–6–61, Cl. 119—52.
Piel, Alfred J. Liquid applicator for animal usage. 3,014,457, 12–26–61, Cl. 119—157.
Piepenbrink, Hans-Frank: *See*—
Arledter, Hanns F., and Piepenbrink. 2,967,117.
Piepenbrink, Hans-Frank, deceased (by U. Piepenbrink, administratrix), and E. Windemuth, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Production of cross-linked plastics. 3,001,973, 9–26–61, Cl. 260—75.
Piepenbrink, Ursula B.: *See*—
Arledter, Hanns F., and Piepenbrink. 2,967,117.
Piepenbrink, Hans-Frank, and Windemuth. 3,001,973.
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Bauer, Erich, Ebert, Forst, and Pieper. 2,974,093.
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Pier, Jerome R., to Westinghouse Air Brake Co. Compressor unloading apparatus. 2,982,466, 5–2–61, Cl. 230—14.
Pierce, Bayard C, deceased, (D. L. O'Donnell and C. F. Robinson, executors), and D. A. Copson, to Raytheon Co. Microwave apparatus. 2,997,566, 8–22–61, Cl. 219—10.47.
Pierce, Bernard N., to The Merrow Machine Co. Pump. 2,974,604, 3–14–61, Cl. 103—123.
Pierce, Chester J., Jr., to Baljak Corp. Method of and device for pivoting articles. 2,984,332, 5–16–61, Cl. 198—33.
Pierce, Chester J., Jr., to Baljak Corp. Device for forming and locking folding box corners. 2,997,930, 8–29–61, Cl. 93—51.
Pierce, Chester J., Jr., to Atlas General Industries, Inc. Devices for handling folding box blanks. 3,008,384, 11–14–61, Cl. 93—49.
Pierce, Chester J., Jr., to Atlas General Industries, Inc. Folding box blank feeding and folding devices. 3,008,385, 11–14–61, Cl. 93—51.
Pierce, Comer C., 49% to C. C. Pierce, Jr. Automatic wheel balancing device. 3,006,690, 10–31–61, Cl. 301—5.
Pierce, Comer C., Jr.: *See*—
Pierce, Comer C. 3,006,690.
Pierce, Earl R., to General Motors Corp. Combined variable displacement pumping mechanism. 2,981,371, 4–25–61, Cl. 184—6.
Pierce, Earl R., to General Motors Corp. Adjustable timing device. 3,004,410, 10–17–61, Cl. 64—25.
Pierce, Earl W.: *See*—
Harry, Gordon W., and Pierce. 2,988,102.
Pierce, Edgar M. Method and apparatus for the continuous combustion of refuse and the like. 2,978,997, 4–11–61, Cl. 110—18.
Pierce, Edgar M. Rotary feeder for refuse and the like. 2,979,213, 4–11–61, Cl. 214—18.
Pierce, Erold F., to Curtiss-Wright Corp. Turbo fan exhaust mixing device. 2,978,865, 4–11–61, Cl. 60—35.6.
Pierce, Firth, and W. A. Gey, to United States of America, Navy. Monofuel for underwater steam propulsion. 3,010,815, 11–28–61, Cl. 52—.5.
Pierce, George W.: *See*—
Thompson, Crayton B., and Pierce. 2,976,168.
Pierce, George W. Adjustable level position indicator for objects subject to movement. 2,970,381, 2–7–61, Cl. 33—207.
Pierce Governor Co., Inc., The: *See*—
Eller, Harold. 3,014,471.
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Pierce, James F., Sr.: *See*—
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Pierce John H.: *See*—
Banner, Robert G., and Pierce. 2,995,415.
Pierce, L. M.: *See*—
Goude, Irving E. 2,985,898.
Pierce, Lanvin G.: *See*—
Goebel, Kenneth W., and Pierce. 2,968,150.
Pierce, Lawrence, and M. P. White, to Westinghouse Electric Corp. Shields for magnets. 2,993,152, 7–18–61, Cl. 317—201.
Pierce, Lawrence, and M. P. White, to Westinghouse Electric Corp. Contactless snap-action limit switch. 3,010,089, 11–21–61, Cl. 336—110.
Pierce, Lawson F., and D. G. Edwards, to Fibreboard Paper Products Corp. Method of coating paperboard carton blanks. 3,011,913, 12–5–61, Cl. 117—111.
Pierce, Lowell J., J. A. Benson, and E. V. Jaramillo, to General Electric Co. Cowled dome liners. 2,973,624, 3–7–61, Cl. 60—39.65.
Pierce, Ogden R.: *See*—
McBee, Earl T., Cook, and Pierce. 2,997,505.
Smith, Donald D., Frisch, and Pierce. 2,983,746.
Pierce, Ogden R., and G. W. Holbrook, to Dow Corning Corp. New cyclotrisiloxanes. 2,979,519, 4–11–61, Cl. 260—448.2.
Pierce, Paul, Jr., to Pierce Wrapping Machine Co. Spiral wrapping machine. 3,000,167, 9–19–61, Cl. 57—3.
Pierce, Roger J.: *See*—
Lasho, Clarence E., Jr., and Pierce. 2,994,416.
Pierce, Roger J., to Collins Radio Co. Collision avoidance presentation system. 2,994,867, 8–1–61, Cl. 343—9.
Pierce, Russell F., and J. S. Ferguson, to Union Carbide Corp. Apparatus for the production of gusseted tubing. 2,995,990, 8–15–61, Cl. 93—20.
Pierce, Russell, Jr., and W. H. Cox, to Sun Oil Co. Method for seismic surveying. 2,989,135, 6–20–61, Cl. 181—.5.
Pierce, Samuel W., to The Mead Corp. Method and means for forming paperboard cartons from blanks therefor. 3,014,415, 12–26–61, Cl. 93—49.

Pierce Wrapping Machine Co.: *See*—
Pierce, Paul, Jr. 3,000,167.
Piercy, Pink L. Yarn clearing apparatus and method. 3,006,056, 10–31–61, Cl. 28—68.
Pierfederici, Alfred J., to Purolator Products, Inc. Variable density air filter panel. 2,978,068, 4–4–61, Cl. 183—63.
Pierle, Charles G. Door return and check mechanism. 2,969,560, 1–31–61, Cl. 16—49.
Pieron, Vernon R.: *See*—
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Pierpoint, Harold W. Grain drier. 2,991,559, 7–11–61, Cl. 34—55.
Pierre, Gerald J. Sheet holder. 2,979,737, 4–18–61, Cl. 5—320.
Pierrot, André: *See*—
Guillaud, Charles L., Pierrot, and Lescroel. 2,977,311.
Pierrot, Andre, Y. C. E. Lescroel, and B. Grabowski, to Lignes Telegraphiques and Telephoniques. Ferromagnetic materials with rectangular hysteresis cycle and method for their manufacture. 2,970,112, 1–31–61, Cl. 252—62.5.
Piers, Eber F., Jr. Fastener tie. 3,000,384, 9–19–61, Cl. 132—46.
Piersol, Jay L., to Armstrong Cork Co. Water-laid fibrous sheets. 2,971,879, 2–14–61, Cl. 162—169.
Pierson, Don: *See*—
Howard, William C. 2,994,188.
Pierson, Edward D., to Miner Machine Co. Overhead traveling double-hook bridge crane. 3,009,583, 11–21–61, Cl. 212—21.
Pierson, George R., to North American Aviation, Inc. Frequency sensitive scaler. 2,991,415, 7–4–61, Cl. 324—78.
Pierson, James R. Retractible rear-view apparatus for vehicles. 3,005,383, 10–24–61, Cl. 88—93.
Pierson, Norman A., to Naturizer Co. Process of decomposing and stabilizing refuse. 2,969,279, 1–24–61, Cl. 71—9.
Pierson, Norman A., to General American Transportation Corp. Cone roof tanks provided with vapor balanced type conservation units. 2,983,404, 5–9–61, Cl. 220—85.
Pierson, Vaughn F.: *See*—
Schmitz, Herman J., Jr., Pierson, and Hageman. 2,988,041.
Pierz, Richard J. Programming and sequence control for fuel burners. 3,008,517, 11–14–61, Cl. 158—123.
Pieschel, Walter L., to The Coca-Cola Bottling Works Co. Combination of combined bars and coolers. 2,992,054, 7–11–61, Cl. 312—111.
Pieschel, Walter L., to The Coca-Cola Bottling Works Co. Combined bar and cooler. 3,013,850, 12–19–61, Cl. 311—110.
Piesker, Richard, to H. Fickert, and R. Wenninger. Portable battery-energized screw driver. 2,979,089, 4–11–61, Cl. 144—32.
Pieski, Edwin T.: *See*—
Ashby, Clarence E., Foster, and Pieski. 2,993,882.
Piester, George. Bulk dry fertilizer spreader. 3,013,803, 12–19–61, Cl. 275—8.
Piet, Meyer, and R. J. Koutnik, to Futurecraft Corp. Solenoid operated high pressure valve having minimum closure travel. 2,971,090, 2–7–61, Cl. 137—620.
Piet, Meyer, and M. A. Chilcoat, to Futurecraft Corp. Quick detachable coupling. 3,000,655, 9–19–61, Cl. 284—19.
Pieters, Willem J.: *See*—
Buningh, Weigert C., and Pietèrs. 2,981,678.
Pieterse, Marius V. U., to N.V. Stoolwerk. Fuel feeder. 3,006,293, 10–31–61, Cl. 110—104.
Piethe, Gerhardt H.: *See*—
Gould, Charles C., and Piethe. 2,968,754.
Pietsch, Joseph A., to General Electric Co. Control system for air conditioning units. 2,975,611, 3–21–61, Cl. 62—151.
Pietsch, Leonard C., to Union Tank Car Co. Rolling mill power transmission locking arrangement. 2,976,702, 3–28–61, Cl. 64—1.
Pietsch, Robert B., to Esso Research and Engineering Co. Treatment of hydrocarbon oils. 3,001,932, 9–26–61, Cl. 208—211.
Piety, Raymond G., to Phillips Petroleum Co. Seismic signal recording apparatus. 2,976,106, 3–21–61, Cl. 346—109.
Piety, Raymond G., to Phillips Petroleum Co. Method of seismic exploration. 3,012,625, 12–12–61, Cl. 181—.5.
Piety, Raymond G., to Phillips Petroleum Co. Seismic signal interpretation apparatus. 3,015,085, 12–26–61, Cl. 340—15.
Piety, Raymond G., and R. S. Marsden, Jr., to Phillips Petroleum Co. Signal generator. 2,981,358, 4–25–61, Cl. 181—.5.
Pietzsch, Herbert, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Rotatable base for fluorescent lamps. 3,001,104, 9–19–61, Cl. 339—2.
Pietzsch, Herbert, and O. Sorge, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Base for electric discharge lamp. 2,993,191, 7–18–61, Cl. 339—145.
Pifer, Marion J., to Sylvania Electric Products Inc. Cabinet structure. 2,980,484, 4–18–61, Cl. 312—319.
Pifer, Marion J., to Sylvania Electric Products Inc. Portable television receiver. 2,986,600, 5–30–61, Cl. 178—7.9.
Pifer, Marion J., to Sylvania Electric Products Inc. Tube shield. 3,005,174, 10–17–61, Cl. 339—14.
Piget, Maurice. Adjustable hinges. 2,990,568, 7–4–61, Cl. 16—128.
Pigman, George L., to United States of America, Navy. Bomb release device. 2,970,542, 2–7–61, Cl. 102—7.2.
Pignolet, Louis: *See*—
Pomper, Victor, and Pignolet. 3,004,610.
Pignone, Joseph, to Daystrom, Inc. Control instrument. 2,996,930, 8–22–61, Cl. 74—469.
Pigott, Kenneth A., and B. F. Frye, to Mobay Chemical Co. Polyurethane castings. 3,012,992, 12–12–61, Cl. 260—75.
Pihl, George E., to Technology Instrument Corp. of Acton. Ultra low frequency phase meter. 2,988,696, 6–13–61, Cl. 324—83.
Pihl, Lennart, to Research Aktiebolag. Method of applying a layer of printing ink plus an additional layer on an underlay. 2,974,058, 3–7–61, Cl. 117—15.
Pihl, Lennart O., to Arenco Aktiebolag. Process for the preparation of an insoluble tobacco sheet or web. 2,971,517, 2–14–61, Cl. 131—140.
Pike, Daniel E., to Chemical Construction Corp. Entrainment separator. 2,998,100, 8–29–61, Cl. 183—92.
Pike, John A., to Tarrymont Inc. Agitating apparatus. 2,970,235, 1–31–61, Cl. 310—83.
Pike, John A. Spout attachment for cans and the like. 2,996,225, 8–15–61, Cl. 222—545.
Pike, John W. Method and apparatus for producing fresh water from saline water. 2,997,856, 8–29–61, Cl. 62—58.
Pike, Kenneth R., to West Bend Aluminum Co. Rotary pump. 3,001,480, 9–26–61, Cl. 103—117.
Pike, Robert S., to Halliburton Co. Aligner and splicer for film and the like. 2,997,099, 8–22–61, Cl. 154—42.3.
Pike, Ronald M.: *See*—
Bailey, Donald L., and Pike. 2,998,406.
Pike, S. Sidney, and G. Hansen; said Hansen assor. to said Pike. Power operated telescopic sign. 2,985,975, 5–30–61, Cl. 40—30.
Pike, Winthrop S.: *See*—
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Piker, Herbert, to Hampden Specialty Products Corp. Chair coupling construction. 3,009,738, 11–21–61, Cl. 297—248.
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Pikula, Emil. Archery bow. 2,967,521, 1–10–61, Cl. 124—24.
Pilar, Frank L., to Standard Oil Co. Process for polymerization of ethylene. 2,967,176, 1–3–61, Cl. 260—94.9.
Pilas, Frank J., to Radio Corp. of America. Beam type electron tube. 2,967,967, 1–10–61, Cl. 313—299.
Pilch, John S. Cushioning and flow control valve. 2,991,759, 7–11–61, Cl. 121—40.
Pilch, John S. Outrigger or stabilizer for tractors. 2,992,016, 7–11–61, Cl. 280—150.5.
Pilcher, David W. Apparatus for simultaneously reducing the pressure, dehydrating and separating fluid flow. 2,971,342, 2–14–61, Cl. 62—5.
Pilcher, Lawrence and N. L., to Middletown Mfg. Co. Reclining chair of multi-action type. 3,014,757, 12–26–61, Cl. 297—85.
Pilcher, Norman L.: *See*—
Pilcher, Lawrence and N. L. 3,014,757.
Pilcher, Will, and S. L. Eaton, to The Procter & Gamble Co. Personal use detergent lotion. 2,999,068, 9–5–61, Cl. 252—137.
Pile Equipment Co., Inc.: *See*—
Rusche, Fredric. 3,007,318.
Pile, John F., to Herman Miller, Inc. Chair. 3,008,764, 11–14–61, Cl. 297—306.
Pilette, Thomas G., Jr. Reusable shipping container. 2,998,894, 9–5–61, Cl. 217—12.
Pilibos, Stephen Y. Package and liner therefor. 3,005,717, 10–24–61, Cl. 99—171.
Pilkington Brothers Ltd.: *See*—
Brewin, John D. 3,007,288.
Jellyman, Philip E., Macintosh, and Wilcock. 2,972,211.
Kay, Solomon E., and Ball. 2,967,112.
Kay, Solomon E., and Ball. 2,977,244.
Pilkington, Lionel A. B. 2,968,892.
Pilkington, Lionel A. B. 2,968,893.
Wynne, Hubert C., and Blood. 2,984,941.
Wynne, Hubert C., and Yates. 2,984,942.
Pilkington, Lionel A. B., to Pilkington Bros. Ltd. Manufacture of flat glass in continuous ribbon form. 2,968,892, 1–24–61, Cl. 49—3.
Pilkington, Lionel A. B., to Pilkington Bros. Ltd. Manufacture of flat glass in continuous ribbon form. 2,968,893, 1–24–61, Cl. 49—3.
Pilkington, Norman, J. M. D. Tomlinson, and R. R. Clegg, to Tomlinsons (Rochdale) Ltd. Raising machines for textile and other fabrics. 2,989,795, 6–27–61, Cl. 26—34.
Pilon, Dante A., and E. Kaplan, to American Cyanamid Co. Rubber antioxidant and method of preparation. 2,968,630, 1–17–61, Cl. 252—403.
Pillsbury Co., The: *See*—
Forkner, John H. 2,998,318.
Gidlow, Rolf G., and Mills. 2,995,773.
Loska, Stephen J., Jr. 2,974,524.
Perrozzi, Joseph R., and Krueger. 2,968,210.
Turpin, Charles H. 2,980,540.
Turpin, Charles H. 2,983,421.
Turpin, Charles H. 2,996,235.
Pilo, Claes-Wilhelm. Method of recovering heat and chemical products in flue gases from the combustion of liquors from the manufacture of cellulose pulp. 2,981,370, 4–25–61, Cl. 183—115.

Piloni, Robert A., to The Firestone Tire & Rubber Co. Suspension polymerization process. 2,979,491, 4–11–61, Cl. 260—92.8.
Piloni, Robert A., and G. P. Rowland, Jr., to The Firestone Tire & Rubber Co. Vinyl chloride resins. 2,979,480, 4–11–61, Cl. 260—41.
Pilot, Andrew A. Hoist and towing attachment for children's wagons. 3,001,763, 9–26–61, Cl. 254—139.1.
Pilous, Albert J.: *See*—
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Piltz, Franklin, to Westinghouse Electric Corp. Shaft vibration responsive apparatus. 2,985,010, 5–23–61, Cl. 73—71.4.
Pim, Richard A., to Johns-Manville Fiber Glass Inc. Method of producing rovings packages of uniform lengths. 3,012,327, 12–12–61, Cl. 33—136.
Pim, Richard A., to Johns-Manville Fiber Glass Inc. Method and apparatus for rewinding a continuous filament. 3,014,337, 12–26–61, Cl. 57—60.
Pimbley, George H., to Purex Corporation, Ltd. Process and compositions for producing aluminum surface conversion coatings. 2,976,193, 3–21–61, Cl. 148—6.21.
Pimentel, Demetrio. Rodent exterminator. 2,995,862, 8–15–61, Cl. 43—99.
Pimm, Arthur W.: *See*—
Hartill, Eric R., Hewett, and Pimm. 2,969,415.
Pinazzi, Christian: *See*—
Le Bras, Jean, and Pinazzi. 2,982,788.
Pinckaers, Balthasar H., to Minneapolis-Honeywell Regulator Co. Pulse generator having condition responsive timing means. 2,979,626, 4–11–61, Cl. 307—88.5.
Pinckaers, Balthasar H., to Minneapolis-Honeywell Regulator Co. Radiation detection system. 2,993,995, 7–25–61, Cl. 250—83.6.
Pinckaers, Balthasar H., to Minneapolis-Honeywell Regulator Co. Semiconductor circuit means having dual biasing levels. 2,999,175, 9–5–61, Cl. 307—88.5.
Pinckaers, Balthasar H., to Minneapolis-Honeywell Regulator Co. Pulse responsive circuit with storage means. 3,015,042, 12–26–61, Cl. 307—88.5.
Pinckaers, Balthasar H., and J. L. Jensen, to Minneapolis-Honeywell Regulator Co. Saturable transformer system. 2,989,686, 6–20–61, Cl. 323—56.
Pinder, James M., to General Electric Co. Means for improving clothes distribution in a machine having a centrifugal liquid extraction step. 2,975,902, 3–21–61, Cl. 210—144:
Pinder, James M., to General Electric Co. Clothes washing machine having drain pump system. 2,983,130, 5–9–61, Cl. 68—18.
Pinder, Raymond G.; to Eastman Kodak Co. Lacquer composition. 2,987,492. 6–6–61, Cl. 260—23.
Pineapple Research Institute of Hawaii: *See*—
Baldwin, Henry J., Walker, Cykler, and Tribble. 3,012,526.
Gortner, Willis A. 3,002,890.
Heinicke, Ralph M. 3,002,891.
Pines Engineering Co., Inc.: *See*—
Petroff, Robert J. 2,967,561.
Pinet, Andre E., to Automatic Electric Laboratories, Inc. Transistor line switch. 2,975,305, 3–14–61, Cl. 307—88.5.
Pinet, Louis. Greenhouse frame and culture apparatus incorporating said frame. 3,004,543, 10–17–61, Cl. 135—5.
Pinette, Robert M. Automatic can opener. 2,997,785, 8–29–61, Cl. 30—4.
Pingree, Frederick de W., R. G. Walden, and H. E. Sawyer, to United States of America, Navy. Air-sea-rescue drift buoy. 3,006,002, 10–31–61, Cl. 9—8.
Pingree, Samuel J., to Fouke Fur Co. Fur seal and process for preparing same. 3,001,391, 9–26–61, Cl. 69—22.
Pini, Roy P. Calculating rule. 2,999,633, 9–12–61, Cl. 235—61.
Pink, Chester A., to The New Englander Co., Inc. King-size bed unit. 3,014,225, 12–26–61, Cl. 5—249.
Pinkas, David. Electric shaver having a hair-collecting means and comb. 3,001,282, 9–26–61, Cl. 30—41.
Pinke, August H., to H. D. Hudson Mfg. Co. Combined sprayer pump and container assembly. 3,002,699, 10–3–61, Cl. 239—333.
Pinkel, Robert H.: *See*—
Halgren, John A., Pinkel, and Filinoritz. 2,970,352.
Pinkerton, Henry L.: *See*—
Savage, Frank K., Pinkerton, and Graham. 3,014,850.
Pinkerton, Henry L., to Allied Chemical Corp. Electrodeposition of black chromium coatings. 2,985,567, 5–23–61, Cl. 204—41.
Pinkerton, William S., to Neatway Products, Inc. Plastic display basket for tomatoes and the like with integral interconnecting means. 2,980,243, 4–18–61, Cl. 206—45.33.
Pinkham, Jackson P. Molded chair construction. 2,993,733, 7–25–61, Cl. 297—445.
Pinkham, Jesse R., to American Machine & Foundry Co. Cigarette turn around device. 2,988,198, 6–13–61, Cl. 198—32.
Pinkham, Jesse R., to American Machine & Foundry Co. Cigarette turn around device. 2,988,199, 6–13–61, Cl. 198—33.
Pinkley, Clyde W., to Industrial Nucleonics Corp. Signal switch and readout for nuclear magnetic resonance measurement apparatus. 2,999,974, 9–12–61, Cl. 324—.5.
Pinkley, Clyde W., to Industrial Nucleonics Corp. Nuclear magnetic resonance measuring and control device. 2,999,975, 9–12–61, Cl. 324—.5.
Pinkley, Clyde W., to Industrial Nucleonics Corp. Nuclear magnetic resonance measuring apparatus. 2,999,978, 9–12–61, Cl. 324—.5.
Pinkus, Oscar, and R. J. Smith, to General Electric Co. Pivoted shoe bearing with force-feed lubrication. 3,004,804, 10–17–61, Cl. 308—73.
Pinnert, Sylvie: *See*—
Ninet, Leon, Pinnert, and Preud'homme. 3,000,785.
Pinnes, Robert W. Submersible ground-effect machine. 2,969,032, 1–24–61, Cl. 114—16.
Pinnes, Robert W., to United States of America, Navy. Ground-effect machine using steam as working fluid. 3,001,500, 9–26–61, Cl. 114—67.
Pinnes, Robert W., and C. A. De Crescente, to United States of America, Navy. Heat exchanger arrangement for maximum utilization of reactor power for all altitude conditions. 2,974,495, 3–14–61, Cl. 60—59.
Pinney, Harold E., and R. H. Brennan, to General Electric Co. Power flow control system. 2,994,786, 8–1–61, Cl. 307—51.
Pino, Manuel A., to United States of America, Atomic Energy Commission. Nuclear radiation to improve shear stability of p-xylylene copolymer V. I. improving agents. 3,002,913, 10–3–61, Cl. 204—162.
Pino, Piero: *See*—
Natta, Giulio, Pino, and Mazzanti. 3,014,016.
Natta, Giulio, Pino, and Mazzanti. 3,014,018.
Pino, Piero, and G. Mazzanti, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Alkyl and aryl bis (cyclopentadienyl) titanium-titanium tetrachloride polymerization catalysts and process for polymerizing olefins therewith. 3,000,870, 9–19–61, Cl. 260—93.5.
Pinotti, Alfred D., to Kimble Glass Co. Apparatus for continuously forming tubing and rods from viscous materials. 2,972,837, 2–28–61, Cl. 49—17.1.
Pinotti, Alfred D., to Kimble Glass Co. Apparatus and method for producing glass tubing. 2,979,864, 4–18–61, Cl. 49—17.1.
Pinski, Stanley M. High fidelity speaker apparatus. 2,973,824, 3–7–61, Cl. 181—31.
Pinsky, Jules, and A. R. Nielsen, to Plax Corp. Coated plastic articles. 2,985,542, 5–23–61, Cl. 117—138.8.
Pinson, Abraham. Hinge pin support bracket. 2,970,799, 2–7–61, Cl. 248—230.
Pinson, Abraham. Tension band. 2,997,278, 8–22–61, Cl. 256—47.
Pinson, Abraham, and B. Stoudt; said Stoudt assor. to Pinson. Line clamp. 2,970,357, 2–7–61, Cl. 24—126.
Pinson, Ellis R., Jr., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Salts of steroidal amino acid esters. 3,005,836, 10–24–61, Cl. 260—397.45.
Pinta, John G., and L. G. Eisen, to Reliable Packing Co. Method of preparing hams. 2,968,570, 1–17–61, Cl. 99—229.
Pintell, Robert H., to Intron International, Inc. Regulated source of alternating or direct current. 2,968,738, 1–17–61, Cl. 307—150.
Pintér, Janós E., and B. Sallay, to Egyesult Izzólámpa es Villamossagi Reszvenytar sasag. Process for the production of silicon of high purity. 2,990,372, 6–27–61, Cl. 252—62.3.
Pinto, Salvatore. Combination venetian blind and screen. 2,994,370, 8–1–61, Cl. 160—89.
Pintz, Frederick F., to Heller Laboratories, Inc. Water treatment device. 2,986,154, 5–30–61, Cl. 137—132.
Pioch, Richard P., to Eli Lilly and Co. Lysergic acid amides. 2,997,470, 8–22–61, Cl. 260—247.2.
Pion, Noel W.: *See*—
Sutton, George P., Albanese, Conyers, Pion, and Isaacs. 2,968,245.
Pioneer Electric Brandon Ltd.: *See*—
Taylor, Herbert J. 2,989,738.
Pioneer Gen-E-Motor Corp.: *See*—
Siwek, Stanley Z. 2,978,052.
Pioneer Parachute Co., Inc.: *See*—
Gimalouski, Edward A. 2,986,362.
Pioneer Rubber Co., The: *See*—
King, Robert R. 3,003,621.
Piot, Paul: *See*—
Levecque, Marcel, and Piot. 2,980,954.
Pipe, John, to Steelcase Inc. Door latch and lock. 3,004,420, 10–17–61, Cl. 70—118.
Pipe Machinery Co., The: *See*—
Anschutz, Reynold G. 2,982,557.
Jennings, Edward E. 3,010,728.
Piper, Carl J. Vehicle actuated gate. 2,982,036, 5–2–61, Cl. 39—22.
Piper, Chester L., to The Magnavox Co. Trigger releasing means for detonation mechanism. 2,977,881, 4–4–61, Cl. 102—70.2.
Piper, Chester L., and R. J. Voke, to The Magnavox Co. Projectile stabilizer. 3,007,411, 11–7–61, Cl. 102—50.
Piper, Erling D.: *See*—
Kelley, Edward L., and Piper. 3,012,496.
Piper, George W., Jr.: *See*—
Barothy, Charles F., Piper, and Salbeck. 2,988,114.
Piper, Jack R.: *See*—
Main, Leo E., Piper, and Smith. 2,979,947.
Pipes, George R., to Eaton Mfg. Co. Drain valves. 2,969,081, 1–24–61, Cl. 137—204.
Piquerez, Ervin. Fluidtight watch case. 2,968,911, 1–24–61, Cl. 58—90.

Pircher, Georges, and M. R. Y. Chaussedoux, to Cie Francaise Thomson-Houston. Waveguide switch. 2,997,670, 8–22–61, Cl. 333—7.
Pircio, Anthony W.: *See*—
Neerby, Torben E., Fuhrmann, Pircio, and Luts. 2,989,-561.
Pircon, Ladislav J., to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, as trustees for the benefit of American Meat Institute Foundation. Method for processing meat. 2,979,411, 4–11–61, Cl. 99—187.
Pircon, Ladislav J., to Central Farmers Fertilizer Co. Temperature sensing apparatus. 2,979,951, 4–18–61, Cl. 73—351.
Pirelli Societa per Azioni: *See*—
Barassi, Carlo. 2,981,302.
Barassi, Carlo. 2,990,867.
Colleoni, Giovanni. 2,981,409.
Emanueli, Luigi, Lugli, and Mazza. 2,982,328.
Lugli, Giuseppe. 2,985,214.
Lugli, Giuseppe. 2,996,097.
Lux, Benno. 2,983,570.
Monelli, Riccardo. 3,006,792.
Pasini, Franco. 2,967,902.
Priaroggia, Paolo G. 2,967,899.
Priaroggia, Paolo G. 2,967,901.
Priaroggia, Paolo G., and Colleoni. 3,013,912.
Vanzo, Marcello, Giletta, and Pacciarini. 2,988,132.
Vanzo, Marcello, Giletta, and Pacciarini. 3,011,540.
Vanzo, Marcello, Lugli, and Mazza. 2,982,327.
Vanzo, Marcello, Pacciarini, and Giletta. 2,994,024.
Vittorelli, Sergio. 2,984,282.
Vittorelli, Sergio. 2,990,870.
Pirkle, Louis E.: *See*—
Sellen, George F., and Pirkle. 2,995,547.
Pirlot, Georges, to Solvay & Cie. Method of producing alloys of lead and alkali metals. 2,990,276, 6–27–61, Cl. 75—167.
Pirman, Edward. Coaster. 2,990,968, 7–4–61, Cl. 215—100.5.
Pirok, Edward W.: *See*—
Fuchs, William F., Marcus, Pirok, and Stebbins. 2,986,-114.
Pirone, Nicholas. Portable threading die support and pipe support stand. 2,991,490, 7–11–61, Cl. 10—89.
Piros, John J.: *See*—
Keith, Carl D., and Piros. 3,014,365.
Pirot, Ernst, to J. P. Bemberg, Aktiengesellschaft. Process for production of tubular blown foils of polyvinyl chloride interpolymers. 3,009,208, 11–21–61, Cl. 18—57.
Pirot, Ernst, to Vereinigte Glanzstoff-Fabriken A.G. Spinning solution comprising acrylonitrile polymer in glycolic acid nitrile and ethylene chlorohydrin, and process for making. 3,009,894, 11–21–61, Cl. 260—32.4.
Piroux, Jean. Sealed alkaline accumulator. 2,980,748, 4–18–61, Cl. 136—29.
Pirro, Raffaele. Apparatus for the closure under high vacuum of glass bottles and small bottles. 2,998,686, 9–5–61, Cl. 53—101.
Pirsh, Edward A., to The Babcock & Wilcox Co. Once-through vapor generating and superheating unit. 3,009,325, 11–21–61, Cl. 60—105.
Pirson, Ewald: *See*—
Nitzsche, Siegfried, and Pirson. 3,002,949.
Pisa, Pietro. Turbocompressor. 2,983,434, 5–9–61, Cl. 230—124.
Pisacane, Arthur F.: *See*—
Frankau, Louis G., and Pisacane. 2,972,533.
Pisano, Michael A.: *See*—
Littman, Maxwell L., and Pisano. 2,987,443.
Pisarra, Francis J.: *See*—
Insetta, Frank C. 3,001,793.
Pisarra, Francis J. Device for indicating rhythmic cycle. 2,980,325, 4–18–61, Cl. 235—86.
Pisciotta, Saverio S. Illuminated window sign for automobiles. 3,004,359, 10–17–61, Cl. 40—129.
Pispisa, Leo F. Pallet clamp. 2,989,337, 6–20–61, Cl. 294—106.
Pistey, John M., to General Electric Co. Bi-pin fluorescent lampholder with new insertion means. 2,973,500, 2–28–61, Cl. 339—53.
Pistey, John M., to General Electric Co. Multiple compressible lampholder. 2,995,722, 8–8–61, Cl. 339—51.
Pistey, John M., to General Electric Co. Spring blades for recessed end fluorescent lampholder. 3,005,175, 10–17–61, Cl. 339—50.
Pistole, Harry, W. A. Pitts, J. V. Morse, and G. Boer, to Jersey Production Research Co. Subsurface valve. 3,007,524, 11–7–61, Cl. 166—72.
Pistor, Horst, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Perborate granulation. 2,979,464, 4–11–61, Cl. 252—99.
Pitavy, Pierre F. M., to Societe Anonyme dite: Societe Industrielle de Ferblanterie. Cooking utensil adapted for a number of culinary uses. 2,985,095, 5–23–61, Cl. 99—341.
Pitcher, John N. Apparatus for drilling horizontally extending holes in embankments and walls. 2,976,942, 3–28–61, Cl. 175—127.
Pitcher, Richard M., E. A. Rose, and W. O. Sparks, to Jersey Production Research Co. Drillable prepacked sand control liner. 2,978,033, 4–4–61, Cl. 166—228.
Pitches, Brian E., and C. I. Crawford, to Ferranti, Ltd. Electromagnetic pick-off devices. 3,001,127, 9–19–61, Cl. 323—90.
Pitchford, Armin C., to Phillips Petroleum Co. Method for incorporating rubber latex in asphalt. 2,989,494, 6–20–61, Cl. 260—28.5.
Pitegoff Brothers, Inc.: *See*—
Bedell, Sidney J. 2,993,221.
Piteo, Benjamin A., Jr., and D. B. Powell, to General Electric Co. Circuit breaker. 2,981,812, 4–25–61, Cl. 200—114.
Pither, Leslie F., to Kimble Glass Co. Production of colored glasses. 3,003,886, 10–10–61, Cl. 106—52.
Pitman, Louis K. Nasolaryngoscope. 3,005,452, 10–24–61, Cl. 128—11.
Pitman, Richard W., to Underwood Corp. Ten key adding and subtracting machine. 3,000,561, 9–19–61, Cl. 235—137.
Pitner, Alfred, ½ to Societe Anonyme des Roulements a Aiguilles. Clutch thrust bearing and device equipped with the latter. 2,995,406, 8–8–61, Cl. 308—234.
Pitner, Alfred, ½ to Societe Anonyme des Roulements a Aiguilles. Processes for manufacturing needle and like bearing races. 3,004,322, 10–17–61, Cl. 29—148.4.
Pitner, Alfred, ½ to Societe dite: Societe Anonyme des Roulements a Aiguilles. Process of manufacturing bearings and bearings resulting therefrom. 3,004,323, 10–17–61, Cl. 29—149.5.
Pitner, Alfred, ½ to Societe Anonyme des Roulements a Aiguilles. Accurately centered anti-friction bearing assembly. 3,009,748, 11–21–61, Cl. 208—207.
Pitner, Alfred O., ½ to Societe dite: Societe Anonyme des Roulements a Aiguilles. Antifriction bearing. 2,983,560, 5–9–61, Cl. 308—202.
Pitner, Alfred O., ½ to Societe Anonyme des Roulements A Aiguilles. Thrust bearing units having moving bearing elements. 2,997,349, 8–22–61, Cl. 308—235.
Pitney-Bowes, Inc.: *See*—
Bach, John W. 2,970,536.
Capanna, Adolfo A. 2,979,183.
Eckert, Alton B., Jr., and Yaeger. 2,988,984.
Hanson, Walter J., and Schmeck. 2,977,114.
Hanson, Walter J., and Schmeck. 3,008,576.
Herrick, William W. 2,990,771.
Herrick, William W. 2,994,173.
Hull, Henry E., and Di Pasquantonio. 2,994,528.
Martin, Samuel W., and Hanson. 2,970,834.
Schmeck, Robert E., and Conklin. 2,973,202.
Schmeck, Robert E., and Mersereau. 3,005,537.
Tangard, Einar W. 2,970,684.
Wardwell, Frederick S., and Johnson. 2,970,537.
Pitré, Davide: *See*—
Felder, Ernst, and Pitré. 2,979,525.
Pitt, Arnold, and T. Budzich. Swash-plate pump. 3,006,284, 10–31–61, Cl. 103—162.
Pitt, Edmund W. Longitudinally divided sleeved pipe coupling. 3,003,793, 10–10–61, Cl. 285—112.
Pitt, Donald: *See*—
Leavitt, Lyman O., and Pitt. 2,979,019.
Pitt, Harold M., and H. Bender, to Stauffer Chemical Co. Reaction of methane and carbon tetrachloride. 2,979,541, 4–11–61, Cl. 260—654.
Pitt, William V. Split lid casket sealer. 2,995,800, 8–15–61, Cl. 27—17.
Pittenger, Francis H., to The Shelby Spring Hinge Co. Sliding door closer. 2,992,450, 7–18–61, Cl. 16—78.
Pittenger, Francis H., to The Shelby Spring Hinge Co. Door closer. 3,009,191, 11–21–61, Cl. 16—55.
Pitteroff, Elmer A. Head rest. 2,987,113, 6–6–61, Cl. 155—175.
Pittilo, Robert N.: *See*—
Ehrlich, Paul, and Pittilo. 2,979,496.
Pittman, Forrest C.: *See*—
Young, Vernon R., Pittman, and Broaddus. 3,011,551.
Pittman, George F., Jr., R. O. Decker, and C. I. Jones, to Westinghouse Electric Corp. Switching circuit. 2,985,772, 5–23–61, Cl. 307—88.5.
Pittman, Harold S., 40% to F. C. Moessner. Conduit rod pusher. 3,001,761, 9–26–61, Cl. 254—29.
Pittman, Roland: *See*—
Schoeppel, John F., Will, and Pittman. 2,969,682.
Pittman, Roland, to Lear, Inc. All attitude single axis gyroscopic reference. 3,004,437, 10–17–61, Cl. 74—5.34.
Pitton, Eva V. Cosmetic applicator with replaceable cartridge. 3,002,517, 10–3–61, Cl. 132—85.
Pitts, Johnston T., to Minneapolis-Honeywell Regulator Co. Atmospheric condensation prevention control apparatus. 2,974,870, 3–14–61, Cl. 236—44.
Pitts, Leonard S., to E. I. du Pont de Nemours and Co. Antistatic textile material. 3,008,215, 11–14–61, Cl. 28—81.
Pitts, Paul M., Jr.: *See*—
Fowle, Merrill J., Pitts, and Aristoff. 2,990,364.
Pitts, Richard R.: *See*—
Brunow, Charles L., Dunn, and Pitts. 3,008,376.
Pitts, Richard R., to Temco Electronics & Missiles Co. Ejection seat. 2,998,213, 8–29–61, Cl. 244—122.
Pitts, Robert D., and F. C. Corey. Poultry shackle. 2,990,573, 7–4–61, Cl. 17—44.1.
Pitts, Sam H., Jr.: *See*—
Kleinschmidt, Roger F., and Pitts. 3,002,029.
Pitts, Thomas E., to Leesona Corp. Package arresting device. 2,992,785, 7–18–61, Cl. 242—35.6.
Pitts, Thomas E., to Leesona Corp. Winding machine. 2,998,203, 8–29–61, Cl. 242—43.2.

Pitts, Wade H., Jr. Magnetic clutch. 2,986,251, 5–30–61, Cl. 192—84.
Pitts, William A.: *See*—
Pistole, Harry, Pitts, Morse, and Boer. 3,007,524.
Pittsburgh Chemical Co.: *See*—
Dreibelbis, John A. 3,005,831.
Mackay, Johnstone S. 3,009,914.
Schroeder, Wesley D., and Beaudet. 3,010,930.
Whittier, Fred, and Lawn. 2,976,256.
Pittsburgh Coke and Chemical Co.: *See*—
Johnston, James D., and Goddard. 2,979,522.
Markley, Francis X. 2,979,391.
Pittsburgh-Des Moines Steel Co.: *See*—
Anderson, Lloyd E., Sr. 3,014,613.
Anderson, Lloyd E., Sr., and Capron. 3,009,546.
Fino, Alexander F. 2,973,113.
Fino, Alexander F., and Swick. 2,981,436.
Fino, Alexander F., and Swick. 3,002,828.
Jackson, James O. 3,011,674.
Pittsburgh Forgings Co.: *See*—
Hollis, Grady W. 3,010,744.
Pittsburgh Plate Glass Co.: *See*—
Allen, Edward M. 3,007,877.
Allen, Edward M. 3,010,791.
Atkeson, Florian V. 2,992,747.
Atkinson, George H. 2,980,644.
Atkinson, George H., and Strain. 2,995,422.
Bachman, George S. 3,014,085.
Bachmann, John H., De Witt, and Strain. 3,000,749.
Bader, Alfred R., and Vogel. 2,987,491.
Baillie, Edward C., and Stevens. 2,976,206.
Bateson, Sydney, and Chrystman. 3,014,453.
Berseth, John A. 3,001,328.
Bissinger, William E., and Tursich. 2,987,541.
Black, Lloyd V., and Moorhead. 3,008,272.
Broun, Thorowgood T., Jr., Mares, and Raetzsch 2,993,760.
Brown, Shannon W. 2,993,849.
Carlin, William W. 2,994,369.
Castine, William A., and Hornak. 3,011,246.
Castine, William A., Jr., Buckles, and Dahlberg. 2,969,624.
Christenson, Roger M. 2,978,437.
Christenson, Roger M., Wismer, and Hydro. 3,001,972.
Clever, William R., and Phalin. 2,999,036.
Deuel, Hans, and Wartmann. 3,009,827.
De Vore, Guy C. 2,966,765.
Devore, Guy C. 2,977,719.
De Vore, Guy C. 2,993,303.
Dolan, Robert W. 3,007,188.
Dolan, Robert W. 3,009,184.
Ellerman, George E. 2,994,619.
Eisenlohr, Douglas H. 2,989,571.
Ellsworth, Arthur C. 2,977,292.
Fekete, Frank. 2,975,156.
Firestone, Vance S. 2,999,715.
Fredenburg, Robert H. 3,000,978.
Georgian, Carl C., and Wavering. 2,993,029.
Glasgow, Earl H. 2,992,521.
Graybill, Wilmer B. 2,990,341.
Gregorius, Joseph S., Reed, and Gardner. 3,000,141.
Hanneken, Henry P. 3,008,752.
Hart, Donald P. 2,967,161.
Hart, Donald P., and Plasynski. 3,011,909.
Helbing, Clarence H. 2,989,422.
Hohmann, Freedrick R., and Neely. 2,971,294.
Hohmann, Frederick R., and Neely. 3,008,270.
Hoyet, Eugene, and Junge. 2,997,816.
Hungerford, Fulton H., and Samelson. 3,004,831.
Jones, Richard W., and Black. 2,967,378.
Kapalko, Erwin J., and Bittle. 3,011,993.
Karlovitz, Bela. 2,982,991.
Kunkle, Gerald E. 2,974,377.
Lawn, Raymond J., and Brown. 2,985,665.
Lytle, William O. 2,971,867.
Lytle, William O. 3,004,875.
Margason, Lester L. 2,989,258.
Mazzoni, Renato J. 2,977,722.
McKelvey, Harold E. 3,000,143.
Michaelis, John L. Re. 25,000.
Michaelis, John L. 2,983,871.
Morris, John W. 2,999,779.
Park, Robert E., and Ridenour. 3,008,917.
Parker, Earl E. 3,010,943.
Parker, Earl E., and Coultrap. 2,981,700.
Parker, Earl E., and Coultrap. 3,002,937.
Richardson, Ronald E. 2,968,126.
Richardson, Ronald E. 2,983,635.
Richardson, Ronald E. 2,990,305.
Richardson, Ronald E. 2,991,113.
Richardson, Ronald E. 2,994,629.
Richardson, Ronald E. 2,999,338.
Richardson, Ronald E. 3,003,286.
Richardson, Ronald E. 3,005,290.
Robinson, Lee R., Stilley, and Cypher. 2,991,114.
Saunders, Arnold E., and Wagner. 2,975,076.
Schilberg, Glenn C. 2,988,509.
Smith, Earl R., and Ziegler. 2,974,077.
Smith, John J., and Duncan. 2,991,185.
Snyder, Henry J., and Lawson. 2,982,679.
Tasher, Fred C. 2,974,447.
Tilgner, Ralph F. 2,977,021.
Tilgner, Ralph F. 3,002,212.
Tilgner, Ralph F. 3,005,221.
Toney, Edward F. 2,976,970.
Pittsburgh Plate Glass Co.: *See*—Continued
Trager, Fred C. 2,993,077.
Wismer, Marco, and Hydro. 3,004,073.
Wismer, Marco, and Rabenold. 2,999,834.
Wolf, Ralph F. 3,014,883.
Ziegler, Harry L. 2,976,196.
Pittsburgh Reflector Co.: *See*—
Lister, Robert W., and Stubbs. 2,982,850.
Stubbs, Walter W. 2,973,177.
Pittsburgh Steel Co.: *See*—
Hunter, Everett C. 3,010,258.
Orrison, John I. 3,002,238.
Pittsenbarger, George E., to American Metal Products Co. Cable clamp. 3,011,253, 12–5–61, Cl. 29—469.
Pittwood, Donald G., to International Business Machines Corp. Record feeding apparatus. 2,995,363, 8–8–61, Cl. 271—51.
Pityo, Albert F. Method of and apparatus for making diode elements. 3,005,900, 10–24–61, Cl. 219—79.
Pitzer, Emory W., to Phillips Petroleum Co. Finely powdered chromia-alumina dehydrogenation catalyst and its preparation. 2,985,596, 5–23–61, Cl. 252—465.
Pitzer, Emory W., to Phillips Petroleum Co. Olefin Polymerization catalyst. 2,994,667, 8–1–61, Cl. 252—455.
Pitzer, Emory W., to Phillips Petroleum Co. Preparation and use of tableted catalysts. 3,002,935, 10–3–61, Cl. 252—443.
Pitzer, Kenneth H., to P. Gross. Bushing. 3,009,747, 11–21–61, Cl. 308—71.
Pitzer, Robert L., and E. H. Rehnborg, to Edcliff Instruments, Inc. Accelerometer. 3,010,324, 11–28–61, Cl. 73—497.
Pitzl, Gilbert, to E. I. du Pont de Nemours and Co. Controlled relaxation of freshly drawn nylon. 3,003,222, 10–10–61, Cl. 28—72.
Pivetz, Albert W. Portable thermal alarm and signal system. 2,982,949, 5–2–61, Cl. 340—227.
Pizza, Michael, to Minneapolis-Honeywell Regulator Co. Protected magnetic core element. 2,988,674, 6–13–61, Cl. 317—158.
Pizzi, Albert L.: *See*—
Bodek, Edward J., and Pizzi. 3,011,935.
Pizzi, Albert L., to Western Electric Co., Inc. Article ejecting fixture. 2,975,921, 3–21–61, Cl. 214—309.
Pizzi, Albert L., and R. R. Wahlberg, to Western Electric Co., Inc. Reel supporting pallet. 2,998,940, 9–5–61, Cl. 242—68.7.
Place, Eugene W., J. H. Davidson, and J. D. De Santo, to United States of America, Navy. Arming device. 3,004,491. 10–17–61, Cl. 102—83.
Place, Mark I., to Westinghouse Electric Corp. Linearized parallel control valve for control systems. 2,976,848, 3–28–61, Cl. 121—41.
Place, Willard P., to Femco, Inc. Protective system for detecting breakdown resistance that would cause a short or ground of a power circuit. 2,991,397, 7–4–61, Cl. 317—29.
Placek, Eugene W., to Genie Products Co. Anti-hypnotic apparatus. 2,998,799, 9–5–61, Cl. 116—28.
Placke, Everett H., and J. R. Aiple, to The National Cash Register Co. Complemental keyboard. 3,008,637, 11–14–61, Cl. 235—145.
Placket Closing Corp. of America: *See*—
Duchan, Benjamin. 2,975,739.
Duchan, Benjamin. 3,002,478.
Silberman, David. 3,002,477.
Plagge, Howard A.: *See*—
Murray, Maurice J., and Plagge. 3,000,811.
Plagge, Irwin F.: *See*—
Carlson, Edwin E., Plagge, and Swanson. 3,013,881.
Plagge, Vernon L., and N. C. Beese, to Westinghouse Electric Corp. Sealed-beam lamp and method of manufacture. 3,010,045, 11–21–61, Cl. 313—113.
Plail, Oliver S.: *See*—
Finniston, Harold M., and Plail. 2,969,309.
Finniston, Harold M., Wyatt, and Plail. 2,990,352.
Ford, George W. K., Wyatt, and Plail. 2,994,423.
Plampin, James N., to McNeil Laboratories, Inc. 2-amino-5-chloro-6-bromobenzoxazole and pharmaceutically acceptable salts. 2,980,689, 4–18–61, Cl. 260—307.
Plan Hold Corp.: *See*—
Schneider, Oscar K. 2,990,961.
Planert, Wolfgang, and H. Stühmke, to VEB Kamera-und Kinowerke Dresden. Camera and variable focal length iens. 2,986,981, 6–6–61, Cl. 95—45.
Planert, Wolfgang, and H. Stühmke, to VEB Kamera-und Kinowerke Dresden. Movie camera with reversible magazine for double track exposure. 2,987,956, 6–13–61, Cl. 88—17.
Planitzer, Erich, to Bolkow-Entwicklungen Kommanditgesellschaft. Missile structures. 2,979,285, 4–11–61, Cl. 244—14.
Plank, Charles J.: *See*—
Branton, Peter D., and Plank. 2,991,242.
Plank, Charles J., and E. J. Rosinski, to Socony Mobil Oil Co., Inc. Manufacture of a silica-hafnia catalyst for conversion of hydrocarbons. 2,996,448, 8–15–61, Cl. 208—119.
Plant, John D., Jr. Method of and apparatus for making gloves. 2,993,528, 7–25–61, Cl. 154—42.
Plant Products Corp.: *See*—
Geary, Robert J. 2,974,030.
Geary, Robert J. 2,987,436.
Plantier, George W., Sr. Pleat holder for pressing machines. 2,976,626, 3–28–61, Cl. 38—12.

Plantinga, Oliver S., and R. J. Trewella, to Johnson & Johnson. Dressing. 2,992,644, 7-18-61, Cl. 128—156.
Plapper, Jürgen: *See*—
Heyden, Rudi, and Plapper. 2,989,362.
Plapper, Jurgen, and R. Heyden, to Bohme Fettchemie G.m.b.H. Process for increasing the water-resistance of leather. 2,968,580, 1-17-61, Cl. 117—135.5.
Plapper, Jurgen, and R. Heyden, to Bohme Fettchemie G.m.b.H. Method of making leather water-repellent. 3,010,780, 11-28-61, Cl. 8—94.26.
Plasmadyne Corp.: *See*—
Ducati, Adriano C. 3,007,030.
Ducati, Adriano C. 3,010,009.
Ducati, Adriano C. 3,011,106.
Ducati, Adriano C., and Blackman. Re. 25,088.
Giannini, Gabriel M. 3,004,189.
Loos, Hendricus G. 3,009,080.
Plasser, Franz, and J. Theurer. Mobile track tamping machine. 2,969,749, 1-31-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Mobile track tamping machine. 2,971,472, 2-14-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Track tamper. 2,973,719, 3-7-61, Cl. 104—12.
Plasser, Franz, J. Theurer, and G. Schramm; said Schramm assor. to said Plasser and Theurer. Mobile railway ballast tamping machine. 2,976,816, 3-28-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Mobile track tamper. 3,000,326, 9-19-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Track tamping machine. 3,000,327, 9-19-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Mobile track tamping machine. 3,000,328, 9-19-61, Cl. 104—12.
Plasser, Franz, and J. Theurer. Device for measuring the lifting stroke of a track jack. 3,009,251, 11-21-61, Cl. 33—169.
Plasser, Franz, and J. Theurer. Ballast tamping machine. 3,011,454, 12-5-61, Cl. 104—12.
Plasser, Franz, J. Theurer, and E. Schubert. Ballast cleaning apparatus. 3,013,616, 12-19-61, Cl. 171—16.
Plassmeyer, Louis E., to Phillips Mfg. Co. Ultrasonic degreasing apparatus. 3,001,532, 9-26-61, Cl. 134—108.
Plassmeyer, Louis E., to Phillips Mfg. Co. Ultrasonic degreaser. 3,001,769, 9-26-61, Cl. 259—1.
Plastaras, James C.: *See*—
Squassoni, Gino F., and Plastaras. 3,007,369.
Plastene Corp.: *See*—
Chabotte, Alfred M. 2,984,862.
Plastering Development Center, Inc.: *See*—
Hobson, Lloyd H. 3,011,444.
Plastex Co., The: *See*—
Given, Joseph H. 2,987,768.
Given, Joseph H. 3,012,276.
Plastic Coating Corp., The: *See*—
Uber, Jay J. 3,010,838.
Plastic Contact Lens Co., The: *See*—
Cepero, Gilberto R. 2,990,664.
Plastic Insert Lining Co.: *See*—
Haskell, Norman R. 2,982,311.
Plastic Molded Arts Corp.: *See*—
Tommarchi, Paul. 2,967,330.
Plastic Packaging Ltd.: *See*—
Sherlock, John G., and Hemmes. 3,003,668.
Plastic Precision Parts Co.: *See*—
Bontecue, Frederic C., and Bartelheim. 2,984,697.
Plastic and Rubber Products Co.: *See*—
Daubenberger, Charles J. 2,976,575.
Plastic Wire & Cable Corp.: *See*—
Pulaski, Frank P. 2,989,430.
Plasti-Con Pipe Co.: *See*—
Williamson, Gilbert D., McNeill, and Tunsen. 2,968,081.
Plastics Specialties, Inc.: *See*—
Schroeder, Paul A. 2,996,208.
Plastiform Co.: *See*—
Blackmore, Fred N. 3,009,291.
Plastonics Corp.: *See*—
Sarantites, Anthony D. 3,008,886.
Plastow, Ronald J., to Rose Bros. (Gainsborough) Ltd. Low stiffness spring units. 2,978,241, 4-4-61, Cl. 267—1.
Plasynski, Joseph E.: *See*—
Hart, Donald P., and Plasynski. 3,011,909.
Plate, John R., R. Carlin, and L. E. Kleist, to Allis-Chalmers Mfg. Co. Multiple position seat. 3,006,593, 10-31-61, Cl. 248—376.
Platt, Clark I., to Whirlpool Corp. Laundry machine. 2,972,877, 2-28-61, Cl. 68—18.
Platt, Haviland H., and L. Mayon, to United States of America, Navy. Continuous hoist for ammunition. 2,972,934, 2-28-61, Cl. 89—46.
Platt, Haviland H. Transmissions. 3,006,205, 10-31-61, Cl. 74—125.
Platt, Haviland H. Rotor blade. 3,013,614, 12-19-61, Cl. 170—159.
Platt, J. H., & Son.: *See*—
Platt, Leland H., Jr., and John D. 3,000,448.
Platt, John D.: *See*—
Platt, Leland H., Jr. and John D. 3,000,448.
Platt, John W.: *See*—
La Bonia, Vincent, and Platt. 2,978,111.
Platt & La Bonia Co., The: *See*—
La Bonia, Vincent, and Platt. 2,978,111.
Platt, Leland H., Jr. and John D., to J. H. Platt & Son. Beach cleaning machine. 3,000,448, 9-19-61, Cl. 171—92.
Platt, Lewis F., to Scripto, Inc. Clip actuated latch mechanism for retractable writing instruments. 2,988,055, 6-13-61, Cl. 120—42.03.
Platt, Raymond S., to Whirlpool Corp. Dispensing system. 2,975,627, 3-21-61, Cl. 68—207.
Platt, Robert R., and L. N. Poulsen, to American Smelting and Refining Co. Refining of bismuth. 3,010,821, 11-28-61, Cl. 75—70.
Platt, Stephen A. Timing mechanism for camera shutters. 2,988,976, 6-20-61, Cl. 95—55.
Platt, Stephen A. Wire sinuator. 2,998,032, 8-29-61, Cl. 140—71.
Platt, Thomas B., to Olin Mathieson Chemical Corp. Preparation of thiostrepton. 2,982,698, 5-2-61, Cl. 195—80.
Platt, Walter A., to The Bendix Corp. Closed loop ratio changer and automatic trim computer means for controlling the position of an aircraft control surface. 2,974,908, 3-14-61, Cl. 244—77.
Plattner, Andrew J. Concrete column mold. 2,975,498, 3-21-61, Cl. 25—131.
Plattsmier, Rodney L., and M. L. Crow, to The Guiberson Corp. Swab mandrel. 2,998,990, 9-5-61, Cl. 287—103.
Platz, Rolf, H. Kroeper, and D. Dorsch, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Cracking of hydrocarbons. 2,985,695, 5-23-61, Cl. 260—679.
Platzer, Franz G. Rolling mill. 2,975,663, 3-21-61, Cl. 80—38.
Platzer, George E., Jr., and H. L. Brown, to Chrysler Corp. Electronic control device. 2,974,255, 3-7-61, Cl. 315—83.
Platzer, Norbert: *See*—
Barkhuff, Raymond A., Jr., Dunlap, and Platzer. 2,989,782.
Barkhuff, Raymond A., Jr., and Platzer. 2,977,639.
Plaut, Herman, to Aerojet-General Corp. 2,2-dinitropropane-1,3-dinitrate. 2,978,484, 4-4-61, Cl. 260—467.
Plax Corp.: *See*—
Armour, Donald F. 2,980,342.
Armour, Donald F. 2,987,223.
Armour, Donald F. 3,013,308.
Nielsen, Alvin R. 2,970,078.
Pease, Clement. 2,995,269.
Pinsky, Jules, and Nielsen. 2,985 542.
Pledger, James C.: *See*—
Cowcher, Edward, and Pledger. 2,985,852.
Pleet, Adam S. Lamp. 2,993,986, 7-25-61, Cl. 240—11.2.
Plehn, Henry M. Brassiere. 2,983,274, 5-9-61, Cl. 128—489.
Plemich, John J., to Standard Oil Co. Lubricant composition. 3,006,849, 10-31-61, Cl. 252—34.7.
Plesmid, Frank J., to E. I. du Pont de Nemours and Co. Incorporating hydrazine sulfate or dihydrazine sulfate into sulfuric acid. 3,012,854, 12-12-61, Cl. 23—172.
Plesse, Hans, and E. Wiedmann, to Carl Zeiss. Spectrophotometer. 3,014,401, 12-26-61, Cl. 88—14.
Plesser, Edgar, W., and H. W. Seber, to Philco Corp. Electrical connection for printed wiring panel. 2,967,979, 1-10-61, Cl. 317—101.
Plessey Co. Ltd., The: *See*—
Baines, Frederick. 2,970,613.
Booth, Douglas G., and Wood. 2,986,096.
Cowlard, Frederic C., and Penhale. 3,006,734.
Da Costa, Harry. 3,012,788.
Gaut, Geoffrey C. 2,991,540.
Herbert, John M., and O'Hara. 2,997,443.
Lewis, James C. A. 2,993,763.
McLeod, Thomas S., Deavin, and Cole. 2,969,875.
Moore, Norman C. 3,002,256.
Moss, Norman, and Deverill. 2,987,926.
Nunn, Francis A. 3,013,140.
Rangabe, Alexander R. 2,979,600.
Trowbridge, David R., and Moss. 2,969,653.
Trowbridge, David R., Moss, and Nunn. 2,988,327.
Plessey Co., The: *See*—
O'Hara, Charles. 2,995,517.
Trowbridge, David R., Moss, and Broad. 2,997,846.
Plessner, Karl W., and R. West, to British Dielectric Research Ltd. Ceramic dielectric materials. 2,980,546, 4-18-61, Cl. 106—39.
Plett, Abraham D. Collapsible trailer. 3,003,807, 10-10-61, Cl. 296—23.
Pleuger, Friedrich W., and H. Göhring; said Göhring assor. to said Pleuger. Heavy oil feed pump. 2,976,812, 3-28-61, Cl. 103—179.
Pleuger, Friedrich W., and H. Gohring; said Gohring assor. to said Pleuger. Diaphragm piston pump. 2,993,446, 7-25-61, Cl. 103—44.
Plews Mfg. Co.: *See*—
Liljemark, Frank H. 3,002,657.
Plimpton, Francis T. P., Jr. Power generating systems. 3,008,297, 11-14-61, Cl. 60—108.
Pliner, Norman S.: *See*—
Edwards, Walter R., and Pliner. 2,983,952.
Plint, Dennis J. W.: *See*—
Bell, William C., Dunn, Haydon, Plint, and Searle. 2,968,174.
Plishker, Herbert E., to Westinghouse Electric Corp. Electric lamp. 2,973,451, 2-28-61, Cl. 313—317.
Plishner, Paul J.: *See*—
Chesnutt, James R., and Plishner. 3,001,167.
Pliskin, William A., to Texaco Inc. Wedge structure for a double beam spectrophotometer. 3,013,470, 12-19-61, Cl. 88—61.

Plitt, Karl F., to United States of America, Commerce. Aqueous pressure-sensitive adhesive composition comprising polyvinylalcohol and a polyethylene amine, and method of making. 2,985,609, 5–23–61, Cl. 260—29.6.

Ploeger, Walter, Jr., to The Edgecraft Co. Printing ribbon. 3,010,559, 11–28–61, Cl. 197—172.

Ploetz, Ernst: *See*—
Rokohl, Rudolf, Hartmark, Ploetz, and Wegerle. 2,986,444.

Ploke, Martin, to Zeiss Ikon A. G. Stuttgart. Image reproducing device for visible and invisible radiation images. 3,001,447, 9–26–61, Cl. 88—61.

Plonsky, Seymour: *See*—
Schneider, Alfred, and Plonsky. 2,991,360.

Ploquin, Jean, to Etablissements Sergent Laboratoires Prolac. Synergistic boric acid fungicidal compositions. 2,968,590, 1–17–61, Cl. 167—14.

Ploran, William J., to Globe-Union Inc. Laminated magneto components. 2,975,312, 3–14–61, Cl. 310—217.

Ploss, Hermann: *See*—
Kopp, Wilhelm, and Ploss. 2,980,000.
Kopp, Wilhelm, Ploss, and Heil. 3,006,261.

Ploss, Richard S.: *See*—
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Plotkin, Frederic P., and P. Shore, to Shore-Calnevar, Inc. Dispensing device for rolled material. 3,008,659, 11–14–61, Cl. 242—55.2.

Plotkowiak, Joseph, and C. G. D. J. Pelisson, to Societe d'Exploitation des Materiels Hispano-Suiza. Hydraulic control system for aircraft. 2,977,071, 3–28–61, Cl. 244—58.

Plotzker, Abraham P., and R. R. Willis, to Plotzker & Willis. Braceable clip board. 3,013,818, 12–19–61, Cl. 281—44.

Plotzker & Willis: *See*—
Plotzker, Abraham P., and Willis. 3,013,818.

Plouffe, Robert L., Jr., and N. Weintraub, to International Telephone and Telegraph Corp. Pulse modulation converter. 3,004,227, 10–10–61, Cl. 332—1.

Ploug, Jorgen: *See*—
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Plue, Arnold F., to General Aniline & Film Corp. P-(2-pyrazolin-1-yl) styryl dyes. 2,974,141, 3–7–61, Cl. 260—249.9.

Plue, Arnold F., to General Aniline & Film Corp. p-(3,5-disubstituted and 3,5,5-trisubstituted-2-pyrazolin-1-yl)benzaldehydes. 2,976,295, 3–21–61, Cl. 260—310.

Plue, Arnold F., to General Aniline & Film Corp. 1-substituted-2-pyrazoline-3-carboxaldehyde dye intermediates. 3,013,015, 12–12–61, Cl. 260—310.

Plum, John. High speed tow target. 2,971,487, 2–14–61, Cl. 114—66.5.

Plumas Tool & Instrument Mfg. Co. Inc.: *See*—
Ayer, Doris A. 2,985,367.

Plumat, Emile: *See*—
Brichard, Edgard, Plumat, and Leger. 2,973,089.
Brichard, Edgard, Plumat, Meunier, and Dellere. 2,987,422.

Plume, Robert W., to General Motors Corp. Air suspension control apparatus. 3,001,799, 9–26–61, Cl. 280—124.

Plumer, Franz. Laundry drying apparatus. 3,001,297, 9–26–61. Cl. 34—133.

Plumley, Harold J.: *See*—
Stresau, Richard H. F., and Plumley. 2,986,803.

Plummer, Charles H.: *See*—
Harmon, Carlyle, and Plummer. 3,012,290.
Harmon, Carlyle, Plummer, and Smith. 3,002,849.

Plummer, Charles W., to United States of America, Navy. Method of nitrating terminal nitromethyl groups. 2,991,315, 7–4–61, Cl. 260—644.

Plummer, Clifford E., Jr. Tank reserve valve resetting means. 2,994,542, 8–1–61, Cl. 280—5.

Plummer, Jesse H., to Johns-Manville Fiber Glass Inc. Method and apparatus for producing glass fibers. 3,009,199, 11–21–61, Cl. 18—8.

Plummer, Lloyd F.: *See*—
Manuel, Charles J., and Plummer. 2,966,971.

Plump, Ralph E., to General Electric Co. Electrical apparatus with gaseous dielectric and purifying means therefor. 2,981,785, 4–25–61, Cl. 174—14.

Plumstead, Richard J.: *See*—
Pattenden, Warren C., Plumstead, and Baker. 2,991,244.

Plunkett, Walter. Utility carrying case with supporting staff. 2,990,924, 7–4–61, Cl. 190—41.

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Thien-Chi, Nguyen, and Plurien. 3,001,871.

Plurien, Pierre, and J. Parisot, to Commissariat a l'Energie Atomique. Porous membranes and methods of manufacturing these membranes. 3,010,536, 11–28–61, Cl. 83—2.

Plymale, Mrs. W. S., Jr.: *See*—
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Plymale, William S., Jr., deceased; Mrs. W. S. Plymale, Jr., heir and guardian. Colostomy unit. 2,973,759, 3–7–61, Cl. 128—283.

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Plymouth Industrial Products, Inc.: *See*—
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Pneumafil Corp.: *See*—
Harris, Charles R. 2,979,754.

Pneumatic Breakwaters Ltd.: *See*—
Laurie, Alec H. 2,967,399.

Pneumatic Scale Corp., Ltd.: *See*—
Bergeron, Alfred L., and Walter. 2,996,855.
Everett, Arthur C. 2,985,338.
Howard, Stanley R. 2,980,251.
Hultin, Oscar H. 2,982,461.
Vergobbi, John G. 2,966,832.
Vergobbi, John G. 2,967,656.
Whelan, James P. 2,967,321.
Whelan, James P. 2,980,938.
Whelan, James P. 2,987,857.
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Pneumo Dynamics Corp.: *See*—
Feiler, Alfred M. 2,993,461.
Gay, Shelton M., Jr. 3,003,448.
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Williams, William W. 2,997,051.

Poch, Joseph A., to Burroughs Corp. Aluminum treating process. 2,993,847, 7–25–61, Cl. 204—15.

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Edmunds, Edward E., Lichter, and Poch. 2,996,378.

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Pochan, Raymond and A. 3,012,438.

Pochan, Raymond and A. Apparatus for measuring the density of liquids. 3,012,438, 12–12–61, Cl. 73—447.

Pochinsky, Philip: *See*—
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Pochmerski, Dennis, to United States of America, Army. Apparatus for measuring the equivalent electrical parameters of crystal units. 2,967,995, 1–10–61, Cl. 324—56.

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Pockman, William W. and L. A. 2,984,338.

Pockman, William W. and L. A. Stock feeder. 2,984,338, 5–16–61, Cl. 198—224.

Pocock, Frederick, to Molins Machine Co. Ltd. Manufacture of stubs for mouthpiece cigarettes. 3,013,659, 12–19–61, Cl. 209—82.

Pocock, Sydney N., to North American Philips Co., Inc. Radiation meter. 3,008,051, 11–7–61, Cl. 250—83.6.

Pocoski, Edward J., to The W. E. Bassett Co. Nail clipper. 2,995,820, 8–15–61, Cl. 30—28.

Podall, Harold E., to Ethyl Corp. Manufacture of alkyl magnesium compounds. 2,985,692, 5–23–61, Cl. 260—665.

Podbielniak, Walter J.: *See*—
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Podlesak, John A., to Utility Body Co. Portable derrick having lateral movement. 2,996,196, 8–15–61, Cl. 212—35.

Podlipnik, John, to Sinclair Refining Co. Wax compositions containing telemeric polyalkyl oxoesters. 3,012,981, 12–12–61, Cl. 260—28.5.

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Podmore, William, Jr., and H. L. Method of vibratory grinding and apparatus therefor. 2,983,454, 5–9–61, Cl. 241—30.

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Poe, Lloyd R., to Hartwell Aviation Supply Co. Sliding and rotating bolt latch. 2,978,266, 4–4–61, Cl. 292—57.

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Taylor, Ernest F., and Poe. 2,975,831.

Poe, Ronald L.: *See*—
Coyne, Donald M., Hackett, and Poe. 2,978,523.

Poehler, Guenter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of cyclohexanone. 3,006,958, 10–31–61 Cl. 260—586.

Poehlman Charles J. Live bait retainer and fish hook. 2,983,066, 5–9–61, Cl. 43—44.6.

Poel, Norman C., J. C. Baxter, and R. J. McKnight, to The Rapids Standard Co. Inc. Sensing device. 3,000,489, 9–19–61, Cl. 198—160.

Poel, Norman C., H. A. Olk, and T. C. McGow, to The Rapids-Standard Co., Inc. Live roller conveyor with sensing. 3,012,652, 12–12–61, Cl. 198—127.

Poethig, Robert E., and T. A. St. Clair, to The Bastian-Blessing Co. Gas dispensing system. 3,003,325, 10–10–61, Cl. 62—55.

Poetker, Henry R., 51% to W. H. Foreman. Collapsible derricks. Re. 25,010, 7–18–61, Cl. 189—15.

Pofferi, Giancarlo, to Ital-Bed Costruzione Letti Ed Affini Societa a Responsabilita Limitata. Furniture spring assemblies. 3,009,693, 11–21–61, Cl. 267—112.

Poganski, Siegfried, to Licentia Patent-Verwaltungs-G.m.b.H. Thermoelectric system. 2,992,538, 7–18–61, Cl. 62—3.
Poganski, Siegfried, to Licentia Patent-Verwaltungs-G.m.b.H. Thermoelectric system. 2,993,080, 7–18–61, Cl. 136—4.
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Di Gaeta, Ottavio, and Poggioli. 2,978,337.
Poggioli, Aliero, and O. Di Gaeta. Process for the preparation of sterile milk. 2,990,288, 6–27–61, Cl. 99—212.
Poglein, Leslie J.: *See*—
Poglein, Paul L. and L. J. 2,967,622.
Poglein, Paul L. and L. J. Storage rack. 2,967,622, 1–10–61, Cl. 211—41.
Pogue, Albert, and J. E. Simmons. Combination snow plow and deicing spreader. 2,997,796, 8–29–61, Cl. 37—16.
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Poheim, Walter, to Chain Belt Co. Mechanism for removing screenings from bar screens. 2,978,105, 4–4–61, Cl. 210—159.
Pohl, Ernest F. Tray package and method of packaging. 2,981,039, 4–25–61, Cl. 53—29.
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Sennewald, Kurt, Pohl, Vogt, Strie, and Glaser. 2,984,690.
Pohl, Norman R., and R. H. Knese, to Avco Corp. Leveling device. 3,006,606, 10–31–61, Cl. 254—101.
Pohl, Russell A., to General Mills, Inc. Inflatable kite. 2,988,309, 6–13–61, Cl. 244—153.
Pohl, Russell A., to General Mills, Inc. Inflatable kite. 3,003,722, 10–10–61, Cl. 244—153.
Pohland, Albert, to Eli Lilly and Co. Novel substituted tetrahydropyridines. 2,967,182, 1–3–61, Cl. 260—295.
Pohle, Eric, to Fairchild Camera and Instrument Corp. Cathode ray tube member. 2,975,321, 3–14–61, Cl. 313—255.
Pohlman, Raymond B., Jr.: *See*—
Hesse, William E., Shawhan, and Pohlman. 2,978,070.
Poincet, Francois X., to Les Usines de Melle (Societe Anonyme). Process of producing highly pure alcohol by extractive distillation with water. 2,993,840, 7–25–61, Cl. 202—39.5.
Point, Marcel: *See*—
Morel, Roger, and Point. 3,008,645.
Poirette Corsets, Inc.: *See*—
Laguzzi, Mario. 3,004,538.
Laguzzi, Mario. 3,005,460.
Poirier, Armand C., to Royal McBee Corp. Apparatus for actuating ribbon vibrators. 2,984,329, 5–16–61, Cl. 197—159.
Poirier, Jules H., A. Shaw, and J. W. Campbell, to Ryan Aeronautical Co. D.C. voltage regulator. 2,987,664, 6–6–61, Cl. 321—2.
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Poitras, Edward J., and C. W. Walter, to Baxter Laboratories, Inc. Container closure. 3,005,455, 10–24–61, Cl. 128—272.
Poitras, Edward J. Medical fluids handling and administering apparatus. 3,006,341, 10–31–61, Cl. 128—214.
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Pokorny, Laszlo Z., to General Motors Corp. Variable diameter pulley. 2,983,157, 5–9–61, Cl. 74—230.17.
Pokorny, Laszlo Z., to General Motors Corp. Variable diameter pulley. 3,006,208, 10–31–61, Cl. 74—230.17.
Pokorny, Louis: *See*—
Pokorny, Louis, Jr. 3,005,210.
Pokorny, Louis, Jr. 3,005,211.
Pokorny, Louis, Jr., ⅓ to L. Pokorny and ⅓ to J. M. Pokorny. Seat section of a sofa-bed frame. 3,005,210, 10–24–61, Cl. 5—13.
Pokorny, Louis, Jr., ⅓ to L. Pokorny and ⅓ to J. M. Pokorny. Sofa-bed mechanism. 3,005,211, 10–24–61, Cl. 5—13.
Pokryfke, John A., and J. J. Turek, to W. D. Allen Mfg. Co. Hose clamping device. 2,993,503, 7–25–61, Cl. 137—355.18.
Polan, Roger: *See*—
Kersten, William H., and Polan. 3,004,520.
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Dreyfus, Marc G., and Poland. 2,973,686.
Poland, Charles O. Indiana Farm Bureau Cooperative Assn., Inc. Baler. 3,000,296, 9–19–61, Cl. 100—251.
Polanin, Walter R.: *See*—
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Polanin, Walter R., to American Steel Foundries. Self-contained brake arrangement. 2,974,757, 3–14–61, Cl. 188—203.
Polanin, Walter R., to American Steel Foundries. Clasp brake arrangement. 2,991,848, 7–11–61, Cl. 188—56.
Polanin, Walter R., to American Steel Foundries. Clasp brake. 2,996,153, 8–15–61, Cl. 188—56.
Polanyi, Michael L., to American Optical Co. Apparatus for determining fluid fractions and sedimentation rates. 3,009,388, 11–21–61, Cl. 88—14.
Polanyi, Michael L., J. E. Johnston, and M. G. Brown, to American Optical Co. Means for analyzing microscopic particles and the like. 2,969,708, 1–31–61, Cl. 88—14.
Polaris Industries, Inc.: *See*—
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Polaroid Corp.: *See*—
Blout, Elkan R., Cohen, and Simon. 3,003,876.
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Buzzell, Harold O. 2,968,743.
Casselman, Robert C. 2,995,238.
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Corley, Richard S. 2,983,605.
Corley, Richard S., and Green. 2,992,105.
Cooper, Dexter P., Jr. Re. 25,017.
Distel, Joseph W., Parrish, and Malerahofer. 2,969,766.
Eburn, William H., Jr. 2,978,971.
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Eburn, William H., Jr., and Lothrop. 2,995,075.
Eburn, William H., Jr., and Wareham. 2,995,072.
Eloranta, Vaito K. 2,986,986.
Eloranta, Vaito K. 2,991,702.
Eloranta, Vaito K. 2,991,703.
Eloranta, Vaito K. 3,002,437.
Eloranta, Vaito K. 3,009,404.
Erlichman, Irving. 2,984,165.
Govatsos, Charles A. 2,969,283.
Green, Milton, and Rogers. 3,009,958.
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Grey, David S. 3,003,407.
Grey, David S., Land, and Ryan. 2,991,690.
Haas, Howard C. 2,992,104.
Land, Edwin. 2,977,226.
Land, Edwin H. 2,968,554.
Land, Edwin H. 2,972,532.
Land, Edwin H. 2,979,477.
Land, Edwin H. 2,982,650.
Land, Edwin H. 2,992,102.
Land, Edwin H. 2,997,390.
Land, Edwin H. 3,003,391.
Land, Edwin H., Fairbank, and McCune. 3,003,871.
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Lothrop, John W., Purcell, and Whittier. 2,995,071.
Lothrop, John W., Purcell, and Whittier. 2,995,073.
Morse, Meroe M. 2,984,565.
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Ryan, William H. 2,986,996.
Ryan, William H. 3,003,875.
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Polayes, Jack, to The Bar-Plate Mfg. Co. Apparatus for and method of making folding blanks. 2,996,961, 8–22–61, Cl. 93—58.
Polayes, Jack, to The Bar-Plate Mfg. Co. Photocomposing apparatus of step-and-repeat type. 3,000,104, 9–19–61, Cl. 33—184.5.
Polen, George R., to International Telephone and Telegraph Corp. Pulse time interval selection and control system. 2,996,665, 8–15–61, Cl. 324—68.
Polese, James P., to General Electric Co. Header construction. 3,009,012, 11–14–61, Cl. 174—151.
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Polete, Robert E., to Gerber Products Co. Method for injection molding hollow plastic articles. 3,009,203, 11–21–61, Cl. 18—30.
Polevoy, Stephen V. Fishing reel. 2,978,201, 4–4–61, Cl. 242—84.54.
Polglase, Burton C., Jr. Printing machine register control. 2,989,918, 6–27–61, Cl. 101—248.
Polhemus, Von D., to General Motors Corp. Multiple stage variable rate spring. 3,000,625, 9–19–61, Cl. 267—65.
Polhemus, Von D., to General Motors Corp. Air spring assembly. 3,001,784, 9–26–61, Cl. 267—65.
Polhemus, Von D., to General Motors Corp. Tire construction. 3,010,504, 11–28–61, Cl. 152—354.
Polhemus, Von D., and J. W. Rosenkrands, to General Motors Corp. Suspension system for vehicle driving wheels. 3,006,429, 10–31–61, Cl. 180—73.
Poliakoff, Raymond R. Retaining means for diablo toy. 2,968,889, 1–24–61, Cl. 46—60.
Policansky, Hyman. Apparatus for feeding filter plugs. 2,988,402, 6–13–61, Cl. 302—2.
Polich, Anthony, Jr. Detachable gooseneck hydraulic connector for trailers. 2,978,128, 4–4–61, Cl. 214—506.
Polk, Isaac H., and J. C. Koch, to J. Drum, L. Morris, and H. A. Kuhn. Package distributing equipment. 2,974,776, 3–14–61, Cl. 198—46.
Pollak, Abraham. Submersible sump pumps and switch assemblies therefor. 3,005,068, 10–17–61, Cl. 200—84.
Pollak, Alfred, to Telefunken G.m.b.H. Phase comparison circuit. 2,986,703, 5–30–61, Cl. 328—133.
Pollak, Alfred, to Telefunken G.m.b.H. Pulse and noise separators. 2,999,898, 9–12–61, Cl. 178—7.3.
Pollak, Heinz: *See*—
Majendie, Alastair M. A., and Pollak. 2,972,893.
Pollak, Walter, to General Motors Corp. Door hold-open device. 2,990,569, 7–4–61, Cl. 16—146.
Pollard, Charles E., Jr., to Bell Telephone Laboratories, Inc. Electrically controlled switching device. 3,008,021, 11–7–61, Cl. 200—93.
Pollard, Eliza G., and L. C. Rubens, to The Dow Chemical Co. Method of treating expandable styrene polymer compositions. 3,013,996, 12–19–61, Cl. 260—2.5.
Pollard, Ernest B., to Daffin Corp. Front mounted rotary wheel side delivery rake. 2,975,582, 3–21–61, Cl. 56—377.
Pollard, Harry, and C. S. Yingst, to The Heald Machine Co. Grinding machine. 2,979,870, 4–18–61, Cl. 51—215.

Pollard, James H. Assembly means for a cylindrical planer head. 3,000,413, 9–19–61. Cl. 144—230.
Polleys, Herbert R., to Wellman Co. Sole cutting machine. 3,006,006, 10–31–61, Cl. 12—86.6.
Polleys, Richard W., to Process Evaluation and Development Corp. Continuous process of converting vegetable stock to paper pulp. 3,012,927, 12–12–61, Cl. 162—17.
Pollick, Frank. Bottle stopper. 2,986,297, 5–30–61, Cl. 215—52.
Pollitt, Erwin P.: *See*—
Alexander, Frederick D., Pollitt, and Smith. 3,009,413.
Pollitt, Erwin P. Transmission. 2,978,918, 4–11–61, Cl. 74—124.
Pollitzer, Ernest L., to Universal Oil Products Co. Surface active glucose ethers. 2,974,134, 3–7–61, Cl. 260—209.
Pollitzer, Ernest L., to Universal Oil Products Co. Surface active compounds derived from carbohydrates. 2,976,275, 3–21–61, Cl. 260—211.
Pollitzer, Ernest L., to Universal Oil Products Co. Alkyl orthophosphate salts of copolymer amines. 3,012,055, 12–5–61, Cl. 260—461.
Pollitzer, Ernest L., to Universal Oil Products Co. Hydrocarbon oil composition. 3,012,964, 12–12–61, Cl. 252—32.5.
Pollmann, Max, to Hauni-Werke Korber & Co., K.G. Apparatus for packing cigarettes and other rod-like articles. 2,991,605, 7–11–61, Cl. 53—252.
Pollmann, Max, to Hauni-Werke Korber & Co., K.G. Method for producing filter rods. 2,994,251, 8–1–61, Cl. 93—1.
Pollmeier, Konrad, to Durkoppwerke Aktiengesellschaft. Multi-needle sewing machines. 2,996,023, 8–15–61, Cl. 112—100.
Pollmeier, Konrad, to Durkoppwerke Aktiengesellschaft. Loop taker mechanism for chain-stitch sewing machines. 2,998,787, 9–5–61, Cl. 112—200.
Polinow, Frank J., Jr., to Vestal Laboratories, Inc. Floor machines. 3,010,135, 11–28–61, Cl. 15—246.
Pollock, Earl S., and E. L. Hoeflich, to The Tappan Co. Range. 2,972,036, 2–14–61, Cl. 219—37.
Pollock, Lyle W., to Phillips Petroleum Co. Method of determining degree of exothermic reaction and apparatus therefor. 2,998,404, 8–29–61, Cl. 260—45.7.
Pollock, Lyle W., to Phillips Petroleum Co. Pipeline network with flow rate indicator and chemical content analyzer. 3,002,293, 10–3–61, Cl. 35—18.
Pollock, Robert T. Apparatus for improving diesel fuel ignition quality. 2,971,506, 2–14–61, Cl. 123—187.5.
Pollock, Robert T. Up-grading of diesel fuels. 3,001,857, 9–26–61, Cl. 44—57.
Polner, Sheldon. Combination dust pan and brush. 2,999,259, 9–12–61, Cl. 15—104.8.
Polon, James A.: *See*—
Sawyer, Edgar W., Jr., and Polon. 2,967,127.
Poloron Products, Inc.: *See*—
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Polovina, Walter, to General Electric Co. Aluminum-containing non-leafing alkyd resin protective coating. 2,980,638, 4–18–61, Cl. 260—22.
Polson, Paul. Paraffin scraper and rod guide. 3,004,605, 10–17–61, Cl. 166—176.
Polster, John A., to Minnesota Mining and Mfg. Co. Wrapping machine. 3,014,322, 12–26–61, Cl. 53—198.
Poly Choke Co., Inc., The: *See*—
Grahn, Arne Y. 2,972,829.
Grahn, Arne Y. 2,994,313.
Steane, Herbert W. 2,968,111.
Poly Industries, Inc.: *See*—
Kaplan, Leo I. 2,982,846.
Kaplan, Leo I. 3,010,172.
Kaplan, Leo I. 3,010,680.
Kaplan, Leo I., and Horres. 2,999,146.
Polya, Emery, to General Foods Corp. Artificial sweetening product. 2,971,848, 2–14–61, Cl. 99—141.
Polychemical Laboratories, Inc.: *See*—
Hereld, Peter C. 2,990,283.
Polychrome Corp.: *See*—
Gumbinner, Robert. 2,970,931.
Polyco, Inc.: *See*—
Wilkins, Clyde, Jr. 2,997,299.
Polye, William R., to The Bendix Corp. Timing device. 2,993,169, 7–18–61 Cl. 324—68.
Polye, William R., and J. E. Bevins, to The Bendix Corp. Speed and temperature responsive fuel control system for combustion engines. 2,971,335, 2–14–61, Cl. 60—39.28.
Polyfibre Ltd.: *See*—
Brown, Eric A. 3,012,818.
Polyform Plastics Corp.: *See*—
Bialy, Michael. 3,013,919.
Polymark Ltd.: *See*—
Meyer, Peter, Yarsley, and Titow. 2,998,631.
Polymed Laboratories, Inc.: *See*—
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Polymer Corp. Ltd.: *See*—
Killey, Robert F., and Morimoto. 2,999,083.
Polymer Corp., The: *See*—
Davis, William J. 2,998,840.
Davis, William J. 3,004,861.
Dettling, Conrad J. 2,974,060.
Dettling, Conrad J. and Hartline. 2,987,413.
Ewanchyna, Joseph E., and Finigan. 3,004,085.
Koch, Robert B. 2,977,839.
Nagel, Fritz J. 2,981,631.
Stott, Louis L. 2,975,128.
Woods, Frank. 3,012,014.
Polymer Industries Inc.: *See*—
Kane, Howard L., and Konigsberg. 2,991,215.
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Polytechnic Institute of Brooklyn: *See*—
Castriota, Liborio J., and Carlin. 3,009,150.
Kahn, Walter K. 3,002,163.
Kahn, Walter K. 3,010,088.
Treuhaft, Milton A. 2,994,842.
Polyzou, James, to International Telephone and Telegraph Corp. Fault alarm system. 2,987,712, 6–6–61, Cl. 340—213.
Polzin, Dean A. Toy whale. 2,990,645, 7–4–61, Cl. 46—243.
Polzin, Donald H., to Deere & Co. Slip clutch. 2,983,122, 5–9–61, Cl. 64—29.
Polzlbauer, Alfred, to Micafil A.-G. Apparatus for winding wire on extremely small annular cores. 2,989,254, 6–20–61, Cl. 242—4.
Pomagalski, Jean. Endless-conveyor-cable drive stations. 3,011,624, 12–5–61, Cl. 198—203.
Pomerantz, Daniel I., to Clevite Corp. Symmetrical junction transistor device and circuit. 2,998,534, 8–29–61, Cl. 307—88.5.
Pomeroy Circle Centers, Inc.: *See*—
Pomeroy, Claude H. 3,010,098.
Pomeroy, Claude H., to Pomeroy Circle Centers, Inc. Electrical warning system. 3,010,098, 11–21–61, Cl. 340—224.
Pomeroy, Sawyer M., to The W. S. Tyler Co. Woven structural material. 3,005,524, 10–24–61, Cl. 189—82.
Pommer, Horst: *See*—
Stilz, Walter, and Pommer. 3,009,921.
Pommer, Horst, and W. Sarnecki, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of compounds of the beta-ionylidene-ethylidene series. 2,983,739, 5–9–61, Cl. 260—410.9.
Pommer, Horst, and W. Sarnecki, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of compounds of the beta-cyclogeranylidene series. 3,006,939, 10–31–61, Cl. 260—413.
Pompeo, Louis L.: *See*—
Napoli, Frederick W., and Pompeo. 2,988,871.
Pompeo, Louis, and A. Szeglin, to Duchess Jewelry Mfg. Corp. Removable expansion bracelet link. Re. 25,014, 8–1–61, Cl. 59—79.
Pomper, Victor, and L. Pignolet, to Societe Industrielle Generale de Mecanique Appliquee S.I.G.M.A. Hydraulic control systems for agricultural tractors. 3,004,610, 10–17–61, Cl. 172—7.
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Cole, George W., and Falagrady. 2,980,035.
Pomranky, George J.: *See*—
Eichhorn, Jacob, Rubens, Fahlgren, and Pomranky. 3,009,906.
Poncar, John J., ¼ to B. B. Krost. Drawing plug. 3,006,460, 10–31–61, Cl. 205—7.
Poncel, Eugene E.: *See*—
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Pond, Anthony V., to United Aircraft Corp. Independent feathering system. 3,004,608, 10–17–61, Cl. 170—160.16.
Pond, Benham S., to Chicago Pneumatic Tool Co. Roof bolting drill chuck assembly. 3,014,543, 12–26–61, Cl. 175—170.
Pond, Cecil E., to Wheel-Horse Products, Inc. Power drive mechanism. 2,988,185, 6–13–61, Cl. 192—4.
Pond, McDonald E.: *See*—
Ferris, Burton C., and Pond. 2,969,567.
Pond, Robert B., to Marvalaud, Inc. Method of producing continuous metallic filaments. 2,976,590, 3–28–61, Cl. 22—200.1.
Ponjee, Johannes J.: *See*—
Schoot, Cornelis J., Klaassens, and Ponjee. 2,996,514.
Ponnock, Abraham. Method of making hollow plastic balls and other hollow bodies. 2,975,823, 3–21–61, Cl. 154—16.
Pons, Charles, to Etablissements Carpano & Pons. Spinning reel. 2,990,130, 6–27–61, Cl. 242—84.21.
Pons, Fernando: *See*—
Rodrigues, Villa, and Pons. 2,989,923.
Pons y Companys, Amedee. Automatic cleaning and stirring machine. 2,994,331, 8–1–61, Cl. 134—140.
Ponsar, Christian, to Societe de Cartonnages d'Echantillonnage et de Reliure d'Aubervilliers (SCERA). Photographic or cinematographic apparatus and the like. 2,990,757, 7–4–61, Cl. 95—10.
Ponson, Lloyd J.: *See*—
Becker, Robert H., Martin, and Ponson. 3,007,225.
Ponsy, Louis E., to Societe dite: Precision Mecanique Labinal. Devices to be used in electrical linked networks. 3,004,234, 10–10–61, Cl. 338—221.
Ponsy, Louis E., to Precision Mecanique Labinal. Transmission units comprising eddy current couplings. 3,007,066, 10–31–61, Cl. 310—96.
Pontiac Specialties Mfg. Corp.: *See*—
Hunt, John W. 2,999,506.
Ponting, James D., to United States of America, Agriculture. Attractants for fruit flies. 2,979,856, 4–18–61, Cl. 43—132.
Pontis, William G., to General Motors Corp. Domestic appliance. 3,013,736, 12–19–61, Cl. 241—46.
Pool, Eldert B., to Edward Valves, Inc. Valves having resilient seals. 2,970,805, 2–7–61, Cl. 251—175.
Pool, Eldert B., to Edward Valves, Inc. Resiliently seated valves and sealing structures therefor. 2,978,221, 4–4–61, Cl. 251—172.

Pool, John E. Foamed liquid explosive composition. 2,967,-099, 1–3–61, Cl. 52—5.
Pool, Leslie H.: *See*—
Lanford, Ben W., and Pool. 2,998,520.
Pool, Stephen D., Jr.: *See*—
Duplantis, Lloyd J., and Pool. 2,991,882.
Pool, Stuart D., and B. M. Hyman, to International Harvester Co. Corn picker tractor divider with rubber wing extension. 2,989,834, 6–27–61, Cl. 56—119.
Pool, William: *See*—
Richmond, Alfred, Pool, and Gentle. 3,010,270.
Pool, William, to British Celanese Ltd. Production of voluminous yarn. 2,982,082, 5–2–61, Cl. 57—34.
Pool, William O.: *See*—
Hainsworth, John G., Hershenson, and Pool. 3,004,892.
Poole, Forrest R.: *See*—
Wadsworth, William B., and Poole. 2,981,958.
Poole Foundry & Machine Co.: *See*—
Swanson, Arthur. 2,969,661.
Poole, Frederick E., to The General Electric Co. Ltd. Envelopes for electrical devices. 3,012,167, 12–5–61, Cl. 313—216.
Poole, Gregory. Removable air conditioning units for automobiles. 2,983,212, 5–9–61, Cl. 98—2.
Poole, Kenneth M., and P. K. Tien, to Bell Telephone Laboratories, Inc. Solid state amplifier. 2,970,274, 1–31–61, Cl. 330—5.
Poole, Victor D.: *See*—
Barker, Peter W., Heslop, Poole, and Stephen. 2,978,-289.
Pooley, Robert W., to United States Rubber Co. Composition comprising isoolefin-diolefin copolymer and preparation of closed cell product therefrom. 3,010,916, 11–28–61, Cl. 260—2.5.
Poor & Co.: *See*—
Chryst, Anton W., and Kuhn. 2,985,304.
Gadd, William E. 3,004,715.
Greer, James A. 3,003,701.
Greer, James A. 3,006,553.
Heer, Ralph W., Otto, and Mundy. 3,000,649.
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Poorman, Richard M.: *See*—
Haettinger, George C. and Poorman. 3,006,157.
Poorman, Richard M., to Union Carbide Corp. Light weight double-walled container. 2,991,900, 7–11–61, Cl. 220—15.
Poorman, Richard M., G. P. Hawley, and H. B. Sargent, to Union Carbide Corp. Method for utilizing detonation waves to effect chemical reactions. 3,004,822, 10–17–61, Cl. 23—1.
Poorter, Teunis, to North American Philips Co., Inc. Circuit for avoiding too low a potential difference between control grid and cathode of a cathode-ray tube. 2,975,327, 3–14–61, Cl. 315—30.
Poos, George I., to Merck & Co., Inc. 2-acyl-and 2-alkyl-2 acyl-4-pregnene 17α-ol-3,20-diones. 2,975,171, 3–14–61, Cl. 260—239.55.
Poos, George I., and L. H. Sarett, to Merck & Co., Inc. 11,20-bis oxygenated pregnadiene-3-one 3-ketals and process of preparing them. 2,999,859, 9–12–61, Cl. 260—239.55.
Popa, John, to General Electric Co. Starting and operating circuit for arc discharge device. 3,015,058, 12–26–61, Cl. 323—60.
Popandopulo, Wsewolod, to VEB Mähdrescherwerk Weimar. Guiding attachment for agricultural implements. 2,971,316, 2–14–61, Cl. 56—208.
Pope, Amos H.: *See*—
Horvitz, David, and Pope. 3,012,948.
Pope, Courtney C. Supporting hanger for wall-hung closet bowl. 3,014,222, 12–26–61, Cl. 4—252.
Pope, Courtney C. Supporting hanger for wall-hung closet bowl. 3,014,223, 12–26–61, Cl. 4—252.
Pope, Edker. Caster guard. 2,996,752, 8–22–61, Cl. 16—18.
Pope, Hughlan W.: *See*—
Pearson, Donald E., and Pope. 3,013,079.
Pope, James K. Curved ball projecting device. 2,975,779, 3–21–61, Cl. 124—11.
Pope, Joseph A., ½ to Rolls-Royce Ltd. Variable-delivery positive displacement pump. 2,980,024, 4–18–61, Cl. 103—37.
Pope, Joseph A., and F. Nixon, said Nixon assor. to Rolls-Royce Ltd. Apparatus for testing or stretching rotor discs or the like. 2,979,941, 4–18–61, Cl. 73—92.
Pope, Martin, and J. Brady, to American Resistor Corp. Hermetically sealing a tubular element or container. 2,987,813, 6–13–61, Cl. 29—471.1.
Pope, R. Henry: *See*—
Irwin, Frank M. 2,976,954.
Pope, Samuel H., and R. M. Stuntz, Jr., deceased, by E. W. Stuntz, executrix, to Gulf Oil Corp. Automatic liquid measurement. 2,977,796, 4–4–61, Cl. 73—219.
Pope, Thomas J., to Bell Telephone Laboratories, Inc. Hydrophone. 2,977,572, 3–28–61, Cl. 340—10.
Pope, Wiley S. Tools for railway air brake hose connections. 2,999,310, 9–12–61, Cl. 29—270.
Popeck, Stanley P.: *See*—
Schulze, Heinz, and Popeck. 2,974,152.
Popell, Samuel J. Food cutter. 2,991,814, 7–11–61, Cl. 146—169.
Popham, H. H., and Co. Ltd.: *See*—
Forrest, Henry G. 2,996,178.
Popick, Metro. Built-in bathroom ashtray. 2,987,360, 6–6–61, Cl. 312—240.
Popiel, Edmund J., to Ford Motor Co. Vehicle axle construction. 3,006,426, 10–31–61, Cl. 180—22.
Poplar Foundries, Inc.: *See*—
Dennis, Clement O., and Shaver. 3,004,313.
Poplin, Robert S.: *See*—
Beck, Harold R., and Poplin. 2,998,018.
Popovac, Daniel O.: *See*—
Conwell, John W., Luntz, and Popovac. 3,007,961.
Popovitch, Fred: *See*—
Soos, Steve J. 2,977,004.
Popowsky, William J.: *See*—
Adams, Robert P., and Popowsky. 2,987,682.
Popowsky, William J., to Minneapolis-Honeywell Regulator Co. Switching systems. 2,980,861, 4–18–61, Cl. 330—10.
Popp, Walter H.: *See*—
Lucie, Evelyn G., and Popp. 3,010,454.
Poppendiek, Heniz F.: *See*—
Greene, Norman D., and Poppendiek. 2,992,977.
Lynch, Frederick E., Palmer, Poppendiek, and Winn. 2,984,744.
Popper, Jakhin B. Cooperating wedges including mating worms. 2,973,660, 3–7–61, Cl. 74—424.5.
Popper, Otto. Storage apparatus. 2,996,199, 8–15–61, Cl. 214—16.1.
Porath, Jerker O.: *See*—
Flodin, Per G. M. and Porath. 3,002,823.
Porbes, Henry F.: *See*—
Medal, Leon E., and Porbes. 3,004,261.
Porcher, Frederick J., to Imperial Chemical Industries Ltd. Rocket motors. 2,972,859, 2–28–61, Cl. 60—35.6.
Porck, Alfred J., to E. I. du Pont de Nemours and Co. Poly-alpha-olefins stabilized with 2-hydroxy-4-pentadecylbenzophenone. 2,999,843, 9–12–61, Cl. 260—45.95.
Porczynski, Zbigniew K., to Scandura Inc. Composite yarns or cord and fabrics made therefrom. 2,996,872, 8–22–61, Cl. 57—140.
Porembka, Stanley W., Jr., to United States of America, Atomic Energy Commission. Neutronic reactor control rod and method of fabrication. 2,990,360, 6–27–61, Cl. 204—193.2.
Porepp, Hans. Slide fastener structure employing helical fastener member. 2,996,780, 8–22–61, Cl. 24—205.16.
Porepp, Hans, to Opti-Holding A.G. Method of making sliding clasp fasteners. 3,001,904, 9–26–61, Cl. 156—66.
Porkert, Lloyd G., 20% to T. K. Hampton. Control mechanism. 3,004,493, 10–17–61, Cl. 103—38.
Porland, Kjeld, and C. Sorensen, to Danfoss Ved Ingenior Mads Clausen. Thermostatic regulating element for a control device, preferably a valve body. 2,997,241, 8–22–61, Cl. 236—95.
Porret, Daniel, W. Fisch, and O. Ernst, to Ciba Ltd. New epoxy resins. 2,992,193, 7–11–61, Cl. 260—2.
Porritt, Leonard W. Therapeutic cot. 2,983,930, 5–16–61, Cl. 5—110.
Porsche, Dr. Ing. h.c.F., K.G.: *See*—
Komenda, Erwin, and Bamberg. 2,969,847.
Schmid, Leopold. 2,989,347.
Porsche, Ferdinand. Air-cooled internal combustion engine. 2,980,194, 4–18–61, Cl. 180—54.
Port, William S.: *See*—
Jordan, Edmund F., Jr., Port, and Swern. 2,984,652.
Port, William S., L. L. Gelb, and W. C. Ault, to United States of America, Agriculture. Non-terminal epoxy resins. 2,975,149, 3–14–61, Cl. 260—23.
Portable Electric Tools, Inc.: *See*—
Komenda, Erwin. 3,011,577.
Dobslaw, Gerhardt A. 3,007,499.
Dracka, Clarence L. 3,012,456.
Portals Ltd.: *See*—
Williams, Harold M. G. 2,983,627.
Williams, Harold M. G. 3,000,777.
Port Clinton Mfg. Co.: *See*—
Dracka, Clarence L. 3,008,344.
Porter, Allan W. H., to Hobourn-F.N.F. Ltd. Warp knitting machinery. 2,978,887, 4–11–61, Cl. 66—86.
Porter, Allan W. H., to Hobourn-F.N.F. Ltd. Flat warp knitting machine. 2,988,906, 6–20–61, Cl. 66—86.
Porter, Allan W. H., to Hobourn-F.N.F. Ltd. Warp knitting machines. 2,995,022, 8–8–61, Cl. 66—163.
Porter, Allan W. H., to Hobourn-F.N.F. Ltd. Flat warp knitting machines. 3,006,172, 10–31–61, Cl. 66—109.
Porter, Allan W. H., to Hobourn, F.N.F., Ltd. Flat warp knitting machines. 3,007,326, 11–7–61, Cl. 66—109.
Porter, Burke E., to Burke E. Porter Machinery Co. Automatic sequencing wood saw and clamp. 2,987,085, 6–6–61, Cl. 143—47.
Porter, Burke E., to Habitant Shops, Inc. Fence making machines. 2,990,857, 7–4–61, Cl. 140—25.
Porter, Burke E., Machinery Co.: *See*—
Porter, Burke E. 2,987,085.
Porter, Carroll D., and M. A. Persechino, to United States of America, Navy. Pressure gain valveless combustor. 2,998,-705, 9–5–61, Cl. 60—35.6.
Porter, Clarence W.: *See*—
Mierendorf, Robert C., and Porter. 2,967,227.
Porter, Clarence W., to Square D Co. Resistance welder control circuit without timing relay contacts in timer circuit. 3,015,067, 12–26–61, Cl. 328—73.
Porter, Clemmon: *See*—
Gentile, Anthony J., and Porter. 2,980,554.
Porter, Donald H., to FMC Corp. Production of hydrogen peroxide by anthraquinone process in the presence of a fixed bed catalyst. 3,009,782, 11–21–61, Cl. 23—207.

Porter, Donald S., to American Viscose Corp. Method of making elastomeric webs. 3,010,865, 11-28-61, Cl. 156—167.
Porter, Donald W., to Dominion Electrohome Industries Ltd. Heating element. 3,009,045, 11-14-61, Cl. 219—19.
Porter, Forrest V., and R. E. Hendrickson, to Dresser Industries, Inc. Sidewall sampler. 3,003,569, 10-10-61, Cl. 175—4.
Porter, Frank, to Allied Chemical Corp. Apparatus for shaping high molecular weight thermoplastics. 2,987,766, 6-13-61, Cl. 18—14.
Porter, Frederick W. B., R. Turner, and E. C. Housam, to The British Petroleum Co. Ltd. Redistribution of fluorine in a hydrodesulphurization catalyst. 2,983,689, 5-9-61, Cl. 252—420.
Porter, Frederick W. B., and P. T. White, to The British Petroleum Co. Ltd. Catalytic reforming of petroleum hydrocarbons. 2,996,447, 8-15-61, Cl. 208—66.
Porter, Fritz A. E.: *See*—
Snow, Arthur, Porter, and Tomalin. 3,004,567.
Porter, George L.: *See*—
Porter, Mary O. and G. L. 2,993,614.
Porter, Grady T.: *See*—
Fisher, Horace L., Porter, and Price. 3,013,153.
Porter, H. K., Co., Inc.: *See*—
Hydrick, Julius C., Jr. 2,974,713.
Johnson, Robert. 2,968,689.
Johnson, Robert. 2,991,345.
Johnson, Robert, and Hoskins. 3,003,132.
Johnson, Robert, and Hoskins. 3,013,690.
Kennedy, Frank J. 2,994,126.
Mageoch, Harry Y. 2,990,458.
Mageoch, Harry Y. 3,002,059.
Mageoch, Harry Y., and Childs. 3,008,015.
Novak, William J. 2,975,385.
Richardson, Joseph W., Jr. 3,008,106.
Rittenhouse, Godfrey J. 2,988,130.
Porter, Harold F., to E. I. du Pont de Nemours and Co. Paraformaldehyde manufacture. 2,992,277, 7-11-61, Cl. 260—615.5.
Porter, Henry H., to United States of America, Navy. Vehicle for testing control systems at subsonic speed. 2,987,270, 6-6-61, Cl. 244—14.
Porter, John G., Jr., and P. R. Walton, to Socony Mobil Oil Co., Inc. Treatment of distillate feed. 2,984,614, 5-16-61, Cl. 208—60.
Porter, John L., to Kaiser Aluminum & Chemical Corp. Process of purifying caustic aluminate liquors. 2,981,600, 4-25-61, Cl. 23—143.
Porter, Mary O. and G. L. Bake strip. 2,993,614, 7-25-61, Cl. 220—4.
Porter, Norman J., to Phillips Petroleum Co. Oscillating sieve. 3,012,673, 12-12-61, Cl. 209—315.
Porter, Robert B. Holder for cigarette package. 3,011,649, 12-5-61, Cl. 211—86.
Porter, Robert D., to United Aircraft Corp. Maximum flow adjuster. 2,968,346, 1-17-61, Cl. 158—36.
Porter, Robert D. Floor furnace. 2,979,051, 4-11-61, Cl. 126—110.
Porter, Robert R., ½ to Transvaal & Orange Free State Chamber of Mines. Process of contacting liquids with solids. 2,973,319, 2-28-61, Cl. 210—33.
Porter Safety Seal Co.: *See*—
Norin, Allan A. 2,983,539.
Porter, Samuel J., to United States of America, Navy. High blast metal-oxygen reaction explosive. 2,992,086, 7-11-61, Cl. 52—6.
Porter, Walter J., Jr., W. M. Smith, and R. E. Schexnailder, Jr., to Esso Research and Engineering Co. Platinum-alumina-ceria hydroforming catalyst and process. 2,976,232, 3-21-61, Cl. 208—138.
Porter, Walter J., Jr., W. M. Smith, and R. E. Schexnailder, Jr., to Esso Research and Engineering Co. Hydroforming catalyst and process. 3,002,920, 10-3-61, Cl. 208—138.
Porterfield, Cecil P.: *See*—
Williams, Everard M., and Porterfield. 2,979,639.
Williams, Everard M., and Porterfield. 2,987,609.
Porterfield, Ernest W.: *See*—
Brown, Robinson W., and Oakey. 3,005,343.
Porth, Frank L., to The Meyercord Co. Vitreous decalcomania and method of decorating ceramic articles. 2,970,076, 1-31-61, Cl. 154—99.
Portland Wire & Iron Works: *See*—
Fingerut, Boris M. 3,010,493.
Porttens, Robert E. Device for gripping screw type closures. 2,985,046, 5-23-61, Cl. 81—3.44.
Porush, Irving: *See*—
Maison, George L., and Porush. 3,001,524.
Thiel, Charles G., Porush, and Law. 3,014,844.
Posakony, Gerald J.: *See*—
Howry, Douglass H., and Posakony. 2,972,068.
Poschadel, Leonard R. Cool stirring kettle. 2,994,320, 8-1-61, Cl. 126—376.
Posen, Sam, to Beltone Hearing Aid Co. Eyeglass hearing aid construction. 3,014,994, 12-26-61, Cl. 179—107.
Posey, John T. Footboard. 2,986,747 6-6-61, Cl. 5—92.
Posey, Robert L., to Phillips Petroleum Co. Molding extrusion process and apparatus. 2,994,106, 8-1-61, Cl. 18—16.5.
Positive Traction, Inc.: *See*—
Newcomb, Ray B. 3,002,545.
Posivio, Robert F. Latch for a vehicle unloading door. 2,995,400, 8-8-61, Cl. 296—50.
Poskin, Irvin C. Holder for stacked sheet material. 2,973,868, 3-7-61, Cl. 211—51.
Poskin, Irvin C. Dually adjustable back and bed chair. 2,997,340, 8-22-61, Cl. 297—361.
Poskozim, Frank M., to Motorola, Inc. Combined channel selector and fine tuner. 2,981,838, 4-25-61, Cl. 250—40.
Posnack, Emanuel R.: *See*—
Kane, Frank A., Jr. and F. A. 3,003,487.
Posnansky, Karl W., to Stamford Rubber Supply Co. Organic plastic materials made from vulcanized oils and their preparation. 2,986,540, 5-30-61, Cl. 260—18.
Posner, Howard: *See*—
Blumberg, Benjamin, Taubman, and Posner. 2,990,122.
Posselt, Frederick W.: *See*—
Jelinek, Charles F., Posselt, and Stanley. 3,003,844.
Possis, Zinon C., J. S. Kawabata, and E. N. Connoy, to Continental Machines, Inc. Welding apparatus for band saw blades. 2,972,232, 2-21-61, Cl. 60—97.
Post, Carl B., and W. S. Eberly, to The Carpenter Steel Co. High initial permeability magnetic alloy. 2,990,277, 6-27-61, Cl. 75—170.
Post, Ernest K., and J. J. Voigt, Jr., to National Accessories Co., Inc. Dragging equipment detector. 2,993,988, 7-25-61, Cl. 246—169.
Post, Frederick L., to Radio Corp. of America. Sensitivity-control-circuits for radar systems and the like. 2,991,468, 7-4-61, Cl. 343—17.1.
Post, Harry. Portable table-chair set. 2,991,829, 7-11-61, Cl. 297—139.
Post, Herman D. Reels for tapes and the like. 2,991,955, 7-11-61, Cl. 242—74.
Post, James D., to Republic Foil, Inc. Coating aluminum foil with silicone. 2,978,098, 4-4-61, Cl. 206—59.
Post, Richard, to Minneapolis-Honeywell Regulator Co. Temperature control apparatus for molten material. 3,010,657, 11-28-61, Cl. 236—15.
Post, Richard F.: *See*—
Jeppson, Morris R., and Post. 3,011,087.
Post, Richard F. Producing bunched electron beams. 2,993,141, 7-18-61, Cl. 315—5.42.
Post, Richard F., to United States of America, Atomic Energy Commission. Apparatus for minimizing energy losses from magnetically confined volumes of hot plasma. 3,003,080, 10-3-61, Cl. 315—117.
Post, Richard F., to Applied Radiation Corp. Means for selecting electron beam energy. 3,011,086, 11-28-61, Cl. 315—5.35.
Postel, Carl E., to Goodyear Aircraft Corp. Tooling bar. 2,975,522, 3-21-61, Cl. 33—125.
Postel, Edward E.: *See*—
Johnston, J. Ford, and Postel. 2,980,367.
Posthumus, Klaas, to North American Philips Co., Inc. Telegraph system. 3,003,031, 10-3-61, Cl. 178—69.
Postlewaite, William R., ½ to California Research Corp., and ½ to A. O. Smith Corp. Turbo drill thrust bearings. 2,991,837, 7-11-61, Cl. 175—107.
Postlewaite, William R., to California Research Corp. Ship positioning means and method. 3,010,214, 11-28-61, Cl. 33—215.
Postma, Simon P., to American Steel Foundries. Rotor brake arrangement. 2,970,674, 2-7-61, Cl. 188—59.
Postmaster General, Her Majesty's: *See*—
Bates, Oswald R., and Ashby. 2,990,134.
Copping, Geoffrey P. 3,000,498.
Copping Geoffrey P., Myers, and Parker. 2,993,594.
Flowers, Thomas H., and Barker. 2,967,911.
Harris, Lionel R. F. 2,984,705.
Harris, Lionel R. F., and Broadhurst. 2,994,064.
Potapenko, Gennady, to R. Robbins. Method and apparatus for the sterilization of air. 3,011,230, 12-5-61, Cl. 21—74.
Potas, Anthony E.: *See*—
Lifland, Philip P., and Potas. 2,980,605.
Potash Co. of America: *See*—
Schoeld, Edmund A., Nabors, and Reiter. 2,999,595.
Potasse et Engrais Chimiques: *See*—
Pagny, Pierre. 2,981,593.
Potchen, Joseph A.: *See*—
Kloote, George E., Potchen, and Meier. 2,980,972.
Kloote, George E., Potchen, and Meier. 3,003,810.
Poteet, Dallas A. Fishing tool. 2,980,464, 4-18-61, Cl. 294—86.
Pöting, Günter, to Ingenieurburo Walter Poting K.-G. Apparatus for the production of hollow glass vessels. 2,974,446, 3-14-61, Cl. 49—9.
Potocki, Stanley J.: *See*—
Carrozza, Roy J., Potocki, and Campagna. 3,001,786.
Potoff, Rubin, and W. Vogt, to Metal Fabrications Inc. Closure caps. 3,002,647, 10-3-61, Cl. 220—24.
Potter, Allen G., Jr., and R. G. Weyker, to American Cyanamid Co. Preparation of DPA over fluoride impregnated catalyst. 2,968,676, 1-17-61, Cl. 260—576.
Potter, Clinton H. Date marking device for calendars. 3,001,308, 9-26-61, Cl. 40—110.
Potter, David M.: *See*—
Lindemann, Robert E. 2,980,894.
Potter, Francis M., and G. B. Achtmeyer, to Sperry Rand Corp. Winding apparatus for dynamo electric machines. 2,998,937, 9-5-61, Cl. 242—1.1.
Potter, Fred S.: *See*—
Carlson, Charles M., and Potter. 2,994,559.
Carlson, Charles M., and Potter. 2,994,560.
Potter, Frederick M., to The Bendix Corp. Dynamoelectric machine. 2,992,380, 7-11-61, Cl. 322—25.

Potter, Herbert: *See*—
Cooper, Alva N. 2,972,870.
Potter, Howell L., to The Fafnir Bearing Co. Bearing seal. 2,979,345, 4–11–61, Cl. 286—5.
Potter, Howell L., to The Fafnir Bearing Co. Bearing lock. 3,007,753, 11–7–61, Cl. 308—236.
Potter Instrument Co., Inc.: *See*—
Moerman, Nathan A. 2,967,294.
Potter, James W. Fixture hangers. 2,969,217, 1–24–61, Cl. 248—205.
Potter, Louis E., and E. A. Bennett, to Radio Corp. of America. Variable capacitor. 3,007,093, 10–31–61, Cl. 317—249.
Potter, Ralph A., to Union Oil Co. of California. Water-resistant non-soap greases containing alkyl aryl polyether alcohols and methods of preparing the same. 2,975,130, 3–14–61, Cl. 252—28.
Potter, Ralph A., to Union Oil Co. of California. Water-resistant non-soap greases. 2,980,612, 4–18–61, Cl. 252—28.
Potter, Thomas C.: *See*—
Scott, Andrew C., Fawcett, and Potter. 3,014,494.
Potterton, A., Ltd.: *See*—
Turner, Charles K. 3,001,650.
Pottier, Jacques: *See*—
Borrel, Jean, Braffort, Janot, and Pottier. 3,014,655.
Pottier, Paul: *See*—
Mouret, Pierre, Parly, and Pottier. 2,982,605.
Pottiez, Fernand, to Union Chimique Belge, S.A. Anhydrous colorless phosphates. 2,977,191, 3–28–61, Cl. 23—107.
Pottle, Ralph K., to American Can Co. Sheet slitting machine with strip holding and releasing device. 2,978,093, 4–4–61, Cl. 198—34.
Potts, George C., to United States of America, Army. Method of loading fin stabilized ammunition. 2,971,426, 2–14–61, Cl. 86—20.
Potts, James E.: *See*—
Rugg, Frank M., and Potts. 2,970,129.
Potts, John, to Wilson-Jones Co. Loose leaf binder. 2,976,871, 3–28–61, Cl. 129—17.
Potucek, Vladimir: *See*—
Lach, Vladimir, Potucek, and Slaba. 3,007,882.
Pötzl, Gunter, to VEB Blechblas- und Signalinstrumentenfabrik Markneukirchen. Control elements for electronic musical instruments. 3,002,411, 10–3–61, Cl. 84—1.01.
Potzl, Gunter, to VEB Blechblas- und Signalinstrumentenfabrik Markneukirchen. Blocking oscillator. 3,009,116, 11–14–61, Cl. 331—149.
Pougnand, Clément, to Societe Anonyme dite: Normacem. Self-adjusting device for finishing tools. 2,990,730, 7–4–61, Cl. 77—4.
Poulit, Robert. Improvements in gas turbine power plants. 2,988,884, 6–20–61, Cl. 60—39.17.
Poulit, Robert. Turbines and in particular gas turbines. 3,011,762, 12–5–61, Cl. 253—39.15.
Pouliart, Willy H. P., and G. Van Mechelen, to International Standard Electric Corp. Electrical comparator. 2,977,574, 3–28–61, Cl. 340—149.
Pouliart, Willy H. P., and L. Jacobin, to International Standard Electric Corp. Record tape assembly and magazine therefor. 2,979,244, 4–11–61, Cl. 226—118.
Pouliart, Willy H. P., and J. P. H. Vandevenne, to International Standard Electric Corp. Bi-quinary multiplication device. 2,989,236, 6–20–61, Cl. 235—159.
Poulos, Nicholas M.: *See*—
Dolin, Martin, Scandurra, and Poulos. 2,974,403.
Poulsen, Lloyd N.: *See*—
Platt, Robert R., and Poulsen. 3,010,821.
Poulsen, Ralph E. Extension cord reel. 2,976,374, 3–21–61, Cl. 191—12.4.
Poulsen, Thomas A. Trailer skid. 2,997,310, 8–22–61, Cl. 280—24.
Poulter, Thomas C., to United States of America, Navy. Bomb cluster. 2,972,946, 2–28–61, Cl. 102—7.2.
Poulter, Thomas C., ⅓ each to Borg-Warner Corp. and Halliburton Co. Multiple-jet shaped explosive charge perforating device. 3,013,491, 12–19–61, Cl. 102—20.
Poulton, Wilson W., Jr., to I-T-E Circuit Breaker Co. Electrically operated automatic resetting circuit breaker mechanisms. 3,009,087, 11–14–61, Cl. 318—2.
Pounds, Lewis C., to American Cyanamid Co. Laminated articles. 2,977,272, 3–28–61, Cl. 154—132.
Poundstone, William N., to Consolidation Coal Co. Extensible belt conveyor. 2,992,723, 7–18–61, Cl. 198—139.
Poundstone, William N., to Consolidation Coal Co. Endless belt conveyor. 2,992,725, 7–18–61, Cl. 198—203.
Poundstone, William N., to Consolidation Coal Co. Railway car truck. 3,003,432, 10–10–61, Cl. 105—182.
Poundstone, William N., to Consolidation Coal Co. Articulated self-tracking conveying apparatus. 3,003,612, 10–10–61, Cl. 198—92.
Poupitch, Ouglјesa J., to Illinois Tool Works. Container-carrier device. 2,997,169, 8–22–61, Cl. 206—65.
Poupitch, Ouglјesa J., to Illinois Tool Works. Can carrier. 3,002,612, 10–3–61, Cl. 206—65.
Pouppirt, Walter C., to Phillips Petroleum Co. Ethylene polymer pipe coupling having particular thread formations. 3,013,820, 12–19–61, Cl. 285—355.
Pouppirt, Walter C., Jr., to Phillips Petroleum Co. Apparatus for spraying viscous liquids. 3,004,719, 10–17–61, Cl. 239—381.
Pouradier, Jacques: *See*—
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Pouzet, Georges, to Compagnie Generale d'Electricite. Submarine cable. 2,984,063, 5–16–61, Cl. 57—144.
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Joukainen, Arnold S., and Povelones. 2,972,359.
Povey, Edmund H., to Doble Engineering Co. Method and apparatus for adjusting voltage ratio and phase relations. 3,010,123, 11–28–61, Cl. 324—83.
Povitz, Fred. Attachment for beverage containers. 3,014,621, 12–26–61, Cl. 222—183.
Pow, James B., to The National Cash Register Co. Key-responsive cycle initiating mechanism. 3,001,700, 9–26–61, Cl. 235—62.
Powazi, Joseph: *See*—
Mahler, Benjamin, and Powazi. 2,968,423.
Powell, Albert E., to Deltime, Inc. Magnetostrictive delay line. 2,971,171, 2–7–61, Cl. 333—30.
Powell, Alric H., to General Electric Co. Electric bus-bar for alternating current. 2,997,525, 8–22–61, Cl. 174—129.
Powell, Charles P.: *See*—
Nichols, Edward C., and Powell. 2,999,516.
Powell, David B.: *See*—
Piteo, Benjamin A., Jr., and Powell. 2,981,812.
Powell, David B., to General Electric Co. Circuit breaker. 3,005,066, 10–17–61, Cl. 200—78.
Powell, David D., and V. W. Jones. Removable jaw face for a slidable side jaw wrench. 3,012,457, 12–12–61, Cl. 81—180.
Powell, Edward R., to Johns-Manville Corp. Method and apparatus for cleaning and felting fibrous material. 2,968,069, 1–17–61, Cl. 19—156.
Powell, Forbes R., to Del Mar Engineering Laboratories. Radar reflective tow target. 3,010,104, 11–21–61, Cl. 343—18.
Powell, Fred W., W. K. Wight, and W. C. Flanagan, to Eastman Kodak Co. Camera testing and assembling machine. 3,003,229, 10–10–61, Cl. 29—208.
Powell, Gordon F. W.: *See*—
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Powell, Gordon F. W., to Molins Machine Co. Ltd. Balancing unit for use with radiation gauges. 2,969,465, 1–24–61, Cl. 250—105.
Powell, Gordon F. W., to Molins Machine Co. Ltd. Balancing unit for use with radiation gauges. 2,998,525, 8–29–61, Cl. 250—105.
Powell, Hobart W., Jr., to The Dow Chemical Co. Consolidating plastic coated particulate solids. 2,981,334, 4–25–61, Cl. 166—12.
Powell, Horace C. Fishing tackle carrier. 2,987,846, 6–13–61, Cl. 43—57.5.
Powell, Jack M. Lantern holder for boats. 3,008,679, 11–14–61, Cl. 248—226.
Powell, Jean A.: *See*—
Gildart, Lee W., and Powell. 2,968,014.
Powell, John H.: *See*—
Alexander, Harry, and Powell. 3,006,526.
Powell, John H. Semi-automatic recapping press. 2,987,770, 6–13–61, Cl. 18—18.
Powell, Nicholas J.: *See*—
Rouse, Charles F., Jr., Powell, and Hartman. 3,012,697.
Powell, Paul R. Hydraulic variable speed transmission. 2,991,619, 7–11–61, Cl. 60—53.
Powell, Ralph R., to Clary Corp. Keyboard controlled circuitry. 2,997,703, 8–22–61, Cl. 340—347.
Powell, Ralph R., to The National Cash Register Co. Switching circuit for magnetic core memory. 3,008,128, 11–7–61, Cl. 340—174.
Powell, Richard H.: *See*—
Couffer, Robert W., Jr., and Powell. 3,004,710.
Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel injection system. 2,983,491, 5–9—61, Cl. 261—23.
Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel injection system. 2,991,055, 7–4–61, Cl. 261—36.
Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel metering systems. 2,995,125, 8–8–61, Cl. 123—119.
Powell, Robert L., and L. C. Tao, to Titanium Metals Corp. of America. Reclaiming scrap titanium. 2,992,094, 7–11–61, Cl. 75—10.
Powell, Sanford E., to Sharon Steel Corp. Strap sealing device with full stroke compelling means. 2,974,551, 3–14–61, Cl. 81—9.1.
Powell, Truman W. Packaging carrier separable into individual and multiple carrier units. 2,975,934, 3–21–61, Cl. 220—112.
Powell, Vernon R. Tube gripping mechanism. 2,985,455, 5–23–61, Cl. 279—4.
Powell, Walter G., to Band-Ti Mfg. Co. Band-tie. 2,973,597, 3–7–61, Cl. 40—21.
Powell, Walter G., to Band-Ti Mfg. Co. Machine for and method of making band-ties. 2,973,798, 3–7–61, Cl. 154—1.6.
Powell, Ward E.: *See*—
Weeks, Ralph R. 3,010,551.
Powell, William J., to Westinghouse Electric Corp. Electromagnetic devices. 3,005,889, 10–24–61, Cl. 200—87.
Powell, Wilmer S.: *See*—
Lessig, Roland, and Powell. 2,995,365.
Power, Basil D.: *See*—
Wycliffe, Henryk, and Power. 2,997,228.
Power, Basil D., to Edwards High Vacuum Ltd. Slip couplings. 2,986,024, 5–30–61, Cl. 64—26.

Power Brake Equipment Co.: *See*—
Putnam, Donald M. 2,979,364.
Putnam, Donald M. 2,996,588.
Williams, Norman C. 3,003,823.
Power, Donnell W., G. M. Rose, and H. G. Parish, to United States of America, Army. Radio frequency oscillation system. 2,994,042, 7–25–61, Cl. 331—98.
Power, Florence S., to Bell Telephone Laboratories, Inc. Manufacture of dry electrolytic devices. 2,989,447, 6–20–61, Cl. 204—42.
Power Grip, Inc.: *See*—
Manchester, William J. 2,974,969.
Power Jets (Research and Development) Ltd.: *See*—
Clark, Neil M. 3,008,296.
Conway, Cyril G., and Smith. 3,011,761.
Davidson, Ivor M. 2,973,165.
Davidson, Ivor M. 2,978,204.
Davidson, Ivor M. 2,978,207.
Davidson, Ivor M., and Stratford. 2,973,922.
Davidson, Ivor M., and Stratford. 2,977,068.
Dimmock, Norman A. 3,009,631.
Hodge, James. 2,987,885.
Hollis, William S., and Mayer. 2,972,181.
Hollis, William S., and Mayer. 3,002,264.
Howell, Alun R., and Moss. 2,968,146.
Howell, Alun R., and Smith. 3,002,675.
Johnson, William E. P. 3,009,682.
Lilley, Geoffrey M., and Green. 2,987,136.
Probert, Rhys P., and Roberson. 3,012,402.
Shaw, Ronald A. 2,990,138.
Shaw, Ronald A. 3,002,716.
Vickery, John. 2,982,098.
Power Strapping Systems Ltd.: *See*—
Jones, Maurice H. 3,013,589.
Power, Walter C., and E. Burrell, to United States of America, Navy. Fuse housing. 3,000,310, 9–19–61, Cl. 102—70.
Powers, Augustin J., Jr., and A. K. Anander, to Powers Chemco, Inc. Halftone camera. 2,981,625, 4–25–61, Cl. 96—116.
Powers, Charles, to National Presto Industries, Inc. Terminal pin assembly. 2,996,599, 8–15–61, Cl. 219—44.
Powers Chemco, Inc.: *See*—
Powers, Augustin J., Jr., and Anander. 2,981,625.
Powers, Clell. Sandwich holder. 3,003,207, 10–10–61, Cl. 24—17.
Powers, Donald H., and G. Barnett. Cosmetic detergent composition. 2,972,582, 2–21–61, Cl. 252—152.
Powers, Edward T., to Celanese Corp. of America. Production of a cellulose staple fiber batting. 2,976,601, 3–28–61, Cl. 28—76.
Powers, Jack W.: *See*—
Hardies, Donald E., Kornblum, and Powers. 3,014,972.
Powers, John B.: *See*—
Rabo, Jule A., and Powers. 2,985,584.
Powers, Joseph P., to Moretrench Corp. Wellpoint. 2,990,017, 6–27–61, Cl. 166—157.
Powers, Joseph P., to Moretrench Corp. Wellpoint. 3,012,623, 12–12–61, Cl. 175—318.
Powers, Kenneth W.: *See*—
Miller, Alfred L., Petro, and Powers. 3,005,804.
Powers, Kenneth W., S. B. Robison, and J. V. Fusco, to Esso Research and Engineering Co. Butyl rubber cured in the presence of a combination of accelerators. 2,977,344, 3–28–61, Cl. 260—79.5.
Powers, Kenneth W., and A. L. Miller, to Esso Research and Engineering Co. Process for stabilizing a resin-rubber latex by addition of a metal oxide or hydroxide. 2,996,468, 8–15–61, Cl. 260—29.3.
Powers, Kerns H., to Radio Corp. of America. Amplitude modulation system. 2,987,683, 6–6–61, Cl. 332—45.
Powers, Paul O., to Pennsylvania Industrial Chemical Corp. Plasticized synthetic resin and mastic tile product made therefrom. 2,970,978, 2–7–61, Cl. 260—33.6.
Powers, Paul O., to Pennsylvania Industrial Chemical Corp. Vinyl toluene-alpha methyl styrene polymers. 3,000,868, 9–19–61, Cl. 260—88.2.
Powers, Paul O., and H. R. Herman. Method of maleinizing petroleum resin. 3,005,800, 10–24–61, Cl. 260—78.4.
Powers Regulator Co., The: *See*—
Priesmeyer, Charles H. 2,997,239.
Powers, Richard, to Bulletin Co. Bundle aligning and spacing apparatus. 2,986,262, 5–30–61, Cl. 198—29.
Powers, Richard E., and C. W. Weis, to Powers Wire Products Co., Inc. Cylinder and piston drive and return means for use in staplers and the like. 2,985,139, 5–23–61, Cl. 121—13.
Powers Robert A.: *See*—
Zimmerman, Herman M., and Powers. 2,971,044.
Powers, Robert E., to Bell Telephone Laboratories, Inc. Party line identification circuit. 3,005,052, 10–17–61, Cl. 179—17.
Powers, Robert P., to The Firestone Tire & Rubber Co. Pneumatic tire and rim. 2,996,096, 8–15–61, Cl. 152—352.
Powers, Vincent J., to Accurate Bushing Co. Roller bearing assembly. 3,004,808, 10–17–61, Cl. 308—212.
Powers, Walter H. to Walker Mfg. Co. Automotive muffler. 2,990,028, 6–27–61, Cl. 181—36.
Powers, Walter H., to Walker Mfg. Co. Automotive muffler. 2,998,093, 8–29–61, Cl. 181—54.
Powers Wire Products Co., Inc.: *See*—
Powers, Richard E., and Weis. 2,985,139.
Powlenko, Edward J., to General Electric Co. Top-lifting carton. 2,990,996, 7–4–61, Cl. 229—37.
Poyner, William F., to Foster, Yates & Thom Ltd. Indexing mechanism for machine parts. 3,001,511, 9–26–61, Cl. 121—38.
Poynor, Russell R., R. I. Throckmorton, Jr., and G. Shute, to International Harvester Co. Portable irrigation apparatus. 2,974,876, 3–14–61, Cl. 239—183.
Poynter, Cyril E., to Weatherley Oilgear Ltd. Broaching, and broaching machines. 2,989,902, 6–27–61, Cl. 90—96.
Poynton, Arthur J., to Canadian Chemical Co., Ltd. Separation of pentaerythritol and dipentaerythritol from solution. 2,978,514, 4–4–61, Cl. 260—615.
Poynton, Bertram G.: *See*—
Ford, Geoffrey E., and Poynton. 2,981,161.
Poysa, John W. Bench vise. 3,006,226, 10–31–61, Cl. 81—38.
Poznanski, Edmund M., to Canadian National Railway Co. Side openings for box cars. 2,968,844, 1–24–61, Cl. 20—28.
Prachar, Cyril. Automatic clutch device for automobile vehicles. 2,991,864, 7–11–61, Cl. 192—90.
Prachner, William, to Shell Oil Co. Mechanically operated liner washing collar. 3,006,374, 10–31–61, Cl. 137—625.38.
Praeg, Walter S., to National Broach & Machine Co. Internal gear shaving machine. 2,968,998, 1–24–61, Cl. 90—1.6.
Praeg, Walter S., to National Broach & Machine Co. Method of molding a gear finishing tool. 2,980,966, 4–25–61, Cl. 18—59.
Praeg, Walter S. to National Broach & Machine Co. Gear finishing machine. 2,986,851, 6–6–61, Cl. 51—73.
Praeg, Walter S., to National Broach & Machine Co. Gear honing machine. 2,990,657, 7–4–61, Cl. 51—105.
Praeg, Walter S., and K. J. Davis, to National Broach & Machine Co. Gear finishing machine. 2,990,658, 7–4–61, Cl. 51—105.
Praeger-Kavanagh-Waterbury: *See*—
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Prager, Maurice, and F. S. Rice, to Maurice Franklin Mfg. Co., Inc. Clapboard or shingle vent. 3,004,483, 10–17–61, Cl. 98—37.
Pragnell, John J. M., to Irving Air Chute Co., Inc. Parachutist's equipment. 2,995,322, 8–8–61, Cl. 244—141.
Pralatowski, Frederick M.: *See*—
Pfanstiel, Robert, Pralatowski, and Scruton. 2,968,658.
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Ramien, Wolfgang. 2,966,815.
Prange, Charles H., to Howe Sound Co. Method for ultrasonic surgical cleaning of human body members. 2,970,073, 1–31–61, Cl. 134—1.
Prange, Charles H., J. I. Leonard, H. W. Soller, and R. C. Feagin, to Howe Sound Co. Eliminating patterns from molds. 3,010,852, 11–28–61, Cl. 134—5.
Prapis, Frank, to The Bendix Corp. Signal comparing device. 2,987,653, 6–6–61, Cl. 317—148.
Prasada, Birendra: *See*—
Cherry, Edward C., Holloway, and Prasada. 3,006,991.
Prasky, Charles, and W. S. Swanson, to United States of America, Interior. Multiple compartment rotary drum for the leaching of ores or related products in a continuous countercurrent system. 3,005,690, 10–24–61, Cl. 23—269.
Prasse, Gisela: *See*—
Kubera, Gerhard, and Prasse. 2,987,805.
Prasse, Herbert F., to Thompson Ramo Wooldridge Inc. Pressure loaded pump. 2,996,015, 8–15–61, Cl. 103—126.
Prasse, Herbert F., to Thompson Ramo Wooldridge Inc. Single lobe washing machine pump. 3,003,424, 10–10–61, Cl. 103—83.
Prasse, Herbert F., and J. E. Thrap, to Thompson Ramo Wooldridge Inc. Power steering pump. 2,984,187, 5–16–61, Cl. 103—42.
Prater, John D.: *See*—
Zimmerley, Stuart R., Malouf, and Prater. 2,972,531.
Prater, Merle P.: *See*—
Johnson, Reynold B., Moneagle, Koranye, Jurgens, and Prater. 2,983,445.
Laframboise, Guy R., and Prater. 3,007,620.
Prather, Edwin E., to The Bendix Corp. Automatic brake holding system. 2,973,844, 3–7–61, Cl. 192—3.
Prather, Edwin E., to The Bendix Corp. Valve construction. 2,989,973, 6–27–61, Cl. 137—113.
Pratson, Leocadia P.: *See*—
Paskowski, Walter B., and Pratson. 2,966,974.
Pratt, Burt C., to E. I. du Pont de Nemours and Co. Nondirectional, metal-backed, electromagnetic radiation-absorptive films. 2,992,425, 7–11–61, Cl. 343—18.
Pratt, Burt C., to E. I. du Pont de Nemours & Co. Flexible electromagnetic radiation-absorptive article. 2,996,709, 8–15–61, Cl. 343—18.
Pratt, Burt C., to E. I. du Pont de Nemours & Co. Electromagnetic radiation-absorptive article. 2,996,710, 8–15–61, Cl. 343—18.
Pratt, Earl E.: *See*—
Pratt, James O. 2,966,716.
Pratt, Edmund C.: *See*—
Pratt, Verneur E. and E. C. 2,999,477.
Pratt, Francis L., to International Business Machines Corp. Object detecting and indicating device. 2,967,948, 1–10–61, Cl. 250—222.
Pratt, Francis L., to International Business Machines Corp. Photoelectric relay system control. 2,971,096, 2–7–61, Cl. 250—217.
Pratt, Francis L. Spanish guitar with means for converting to Hawaiian guitar. 2,998,742, 9–5–61, Cl. 84—267.

Pratt, Harold: *See*—
Moser, Frank T. 2,978,996.
Pratt, Henry, Co.: *See*—
Fawkes, Donald G. 3,006,600.
Saar, Robert P. 2,991,043.
Schwenk, Henry C. 2,984,127.
Pratt, James O., 20%, each, to O. E. Pratt, E. E. Pratt, J. F. Pratt, and R. N. Boise. Pipe and tile making machine. 2,966,716, 1-3-61, Cl. 25—36.
Pratt, John F.: *See*—
Pratt, James O. 2,966,716.
Pratt, John J., Jr.: *See*—
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Pratt Mfg. Corp.: *See*—
Pratt, Robert H. 2,997,166.
Pratt, Ora E.: *See*—
Pratt, James O. 2,966,716.
Pratt, Read & Co., Inc.: *See*—
Stiles, Gene A. 2,996,941.
Wood, Orville T., and Underwood. 3,012,459.
Pratt, Robert H., to Laukhuff-Pratt Mfg. Corp. Article separating packages for flat articles such as surgical supplies. 2,968,396, 1-17-61, Cl. 206—63.2.
Pratt, Robert H., to Pratt Mfg. Corp. Packages for flat articles such as surgical supplies and method of wrapping such articles. 2,997,166, 8-22-61, Cl. 206—56.
Pratt, Robert L.: *See*—
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Pratt, Verneur E. and E. C. Fire alarm. 2,999,477, 9-12-61, Cl. 116—106.
Pratt & Whitney Co., Inc.: *See*—
Cherkas, Paul. 2,991,558.
Dexter, Albert M., Jr. 2,997,873.
Gyurko, Balint, Jr. 2,972,883.
Whitehead, Frederic C. 3,003,401.
Pratt, William D. Practice device for baseball pitchers. 3,001,790, 9-26-61, Cl. 273—26.
Pratt, William J., ½ to J. P. Malone. Adjustable contour knife. 2,968,057, 1-17-61, Cl. 15—236.
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Felsch, Hans J., and Pray. 3,011,637.
Preble, James C.: *See*—
La Branche, Harvey W., Preble, and Boundy. 3,003,841.
Preble, James C., to Ekco Products Co. Drawer assembly. 2,997,355, 8-22-61, Cl. 312—342.
Precht, Walter, R. J. Geckle, and J. R. Bedell, to The Martin Co. Fuel tube element and method of preparing the same. 3,004,907, 10-17-61, Cl. 204—154.2.
Precision Coin Devices, Inc.: *See*—
Palladino, Frank C. 3,011,614.
Precision Instruments Co.: *See*—
Harris, Rano J. 2,991,647.
Precision Mecanique Labinal: *See*—
Bessiere, Pierre E. 2,998,539.
Bodez, Pierre M. J. 3,009,058.
Ponsy, Louis E. 3,007,066.
Precision Metal Workers: *See*—
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Precision Recapping Equipment Co.: *See*—
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Dennis, Clement O., and Shaver. 2,996,760.
Precision Scientific Co.: *See*—
Brooks, Will E. 2,973,856.
Juodikis, Peter. 2,986,039.
Precision Thread Co., Inc.: *See*—
Guay, Leonard. 3,009,512.
Precision Time Corp.: *See*—
Petters, Oscar R. 3,004,382.
Precision Valve Corp.: *See*—
Abplanalp, Robert H., and Focht. 2,989,251.
Abplanalp, Robert H., and Focht. 3,008,654.
Bretz, Frank E., Jr. Re. 24,981.
Focht, John R. 2,985,342.
Focht, John R. 2,986,809.
Focht, John R. 2,989,217.
Preckel, Ralph F., to United States of America, Navy. Gas-producing compositions of smokeless powder and metal compound inhibitors. 3,009,796, 11-21-61, Cl. 52—.5.
Preco Inc.: *See*—
Magarian, Gerald M. 3,005,224.
Prediger, Fred R.: *See*—
Kniazuk, Michael, and Prediger. 2,984,097.
Kniazuk, Michael, and Prediger. 2,996,595.
Preeman, Marvin B., to Standard Steel Corp. Gas washing apparatus. 2,969,851, 1-31-61, Cl. 183—21.
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Peterson, Thomas F. 3,007,243.
Peterson, Thomas F. 3,007,300.
Preidel, Oscar E. Method of extracting substances from collapsible tubes. 3,006,508, 10-31-61, Cl. 222—98.
Preis, Raymond M.: *See*—
Bennett, Raymur B., Hall, and Preis. 3,008,558.
Preiser, Herman S.: *See*—
Hood, James C., Jr., and Preiser. 2,992,961.
Preiser, Herman S., F. E. Cook, and B. H. Tytell. Energized anode assembly IV. 2,992,983, 7-18-61, Cl. 204—196.
Preiser, Herman S., F. E. Cook, and B. H. Tytell. Energized anode assembly III. 2,994,658, 8-1-61, Cl. 204—196.
Preisig, Joseph O.: *See*—
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Preisig, Joseph O., to Radio Corp. of America. Color television receiver combination demodulator and matrix. 2,990,445, 6-27-61, Cl. 178—5.4.
Preisig, Joseph O., to Radio Corp. of America. Piezo-electric filter for color oscillator synchronization. 3,006,988, 10-31-61, Cl. 178—5.4.
Preiss, Harry: *See*—
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Prejean, Roger, to Societe Anonyme Defim. Improvement in reciprocating cutters for dry shavers and clippers. 2,968,095, 1-17-61, Cl. 30—43.
Prell, Sarah A. Dispenser container and method of altering the flavor and color of a substance packaged therein. 2,984,570, 5-16-61, Cl. 99—148.
Prellwitz, Samuel B., to United States Steel Corp. Apparatus for transferring material. 2,985,277, 5-23-61, Cl. 198—39.
Prelog, Vladimir: *See*—
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Prendergast, Charles S., to Brakeshoe International, S.A. Rotary pumps and motors. 2,972,953, 2-28-61, Cl. 103—4.
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Dukler, Abraham E., Norris, and Prengle. 2,995,499.
Prenner, Louis J., and A. B. Marello. Ditching machine. 2,984,024, 5-16-61, Cl. 37—94.
Prentice, David V., and E. M. Heth, to Prentice Machine Works, Inc. Apparatus and method for forming elongated sheet from veneer. 3,003,541, 10-10-61, Cl. 154—42.
Prentice, G. E., Mfg. Co., The: *See*—
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Prentice Machine Works, Inc.: *See*—
Prentice, David V., and Heth. 3,003,541.
Prentice, Mayo S.: *See*—
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Prentice, Russel E., to Hycon Mfg. Co. Camera shutter mechanism. 2,980,004, 4-18-61, Cl. 95—63.
Prentice, Thomas R.: *See*—
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Prentice, William M. Holder for beverage can. 3,013,691, 12-19-61, Cl. 220—85.
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Preotle, John J., and C. E. Rembold, to General Motors Corp. Refrigerating apparatus with defrosting controls. 2,994,207, 8-1-61, Cl. 62—155.
Prescott, Francis J.: *See*—
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Presgrave, Cyril, to G. & W. H. Carson, Inc. Magnetic method for removal of finely divided magnetic materials. 2,975,897, 3-21-61, Cl. 209—214.
Presnick, Michael C. Case finishing molding. 2,969,891, 1-31-61, Cl. 220—73.
Presnick, Michael C. Racquet. 2,969,984, 1-31-61, Cl. 273—73.
Presnick Michael C. Collapsible cabana. 2,987,069, 6-6-61, Cl. 35—7.1.
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Gianatasio, Henry L. 2,996,852.
Press, Bernard: *See*—
Ainsworth, William F., Wright, and Press. 2,990,394.
Presser, Leiser. Window cleaning device. 2,970,337, 2-7-61, Cl. 15—250.4.
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Pressley, Arthur M.: *See*—
White, Herbert M., and Pressley. 3,010,482.
Pressman, Sidney S.: *See*—
Mitchell, Irving L., and Pressman. 2,978,588.
Press-Seal Gasket Corp.: *See*—
Miller, Marion R., and Grundy. 2,982,569.
Pressure Dispensers, Inc.: *See*—
Collins, Leonard M. 3,006,514.
Presswood, John K.: *See*—
Pearson, Tillmon H., and Presswood. 2,987,530.
Prest, Robert J., to Technical Operations, Inc. Manipulating radioactive material. 2,976,423, 3-21-61, Cl. 250—106.
Prestel, Rudolf, to Karl Kassbohrer Fahrzeugwerke G.m.b.H. Truck-bound slewing crane. 2,978,115, 4-4-61, Cl. 212—49.
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Mayer, Nathan. 2,996,726.
Presto Brick Machine Corp.: *See*—
Adams, Julius. 2,987,795.
Presto Lock Co.: *See*—
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Prestole Corp.: *See*—
Bradner, Ernest G. 2,988,951.
Garman, Donald F. 2,967,039.
Jaworski, Leonard S. 2,967,556.
Munse, Robert A. 2,983,778.
Weinstein, Donald A. 2,983,179.
Preston, Arthur A., Sr. Track cleaning means for railway carriages. 2,988,833, 6-20-61, Cl. 37—194.
Preston, David S., to The American MonoRail Co. Vacuum cleaner for textile machines. 3,001,222, 9-26-61, Cl. 15—312.
Preston, David S., to The American Mono Rail Co. Method of handling lint. 3,009,838, 11-21-61, Cl. 134—21.

Preston, Frank S.: *See*—
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Preston, Howard G., to Beckman Instruments, Inc. Digital to analog conversion. 2,994,862, 8–1–61, Cl. 340—347.
Preston, James N. Internal combustion exhaust reaction engine. 3,013,387, 12–19–61, Cl. 60—39.35.
Preston, Martin. Variable speed drives. 2,997,896, 8–29–61, Cl. 74—677.
Preston, Neil D., to General Railway Signal Co. Mechanical lock for railroad track switches. 2,976,405, 3–21–61, Cl. 246—161.
Preston, Robert W. G., to Imperial Chemical Industries Ltd. Tertiary-butyl substituted para-phenylphenols. 2,990,428, 6–27–61, Cl. 260—620.
Preston, Robert W. G., and M. Taylor, to Imperial Chemical Industries Ltd. Foam inhibited hydrocarbon composition. 2,991,248, 7–4–61, Cl. 252—34.
Preston, Seaton T., Jr., to W. J. Podbielniak. Apparatus for controlling the rate of a distillation operation. 2,968,-939, 1–24–61, Cl. 73—25.
Preston, William C.: *See*—
Dobberstein, Ervin C., Bennett, Preston, and Sandor. 2,971,693.
Prestor, William D. to Sun Oil Co. Arrangement for varying air-fuel ratio. 2,982,526, 5–2–61, Cl. 261—72.
Preston-Thomas, Hugh: *See*—
Dauphinee, Thomas M., and Preston-Thomas. 2,993,377.
Prete, Ernest, Jr., to Brown-Line Corp. Strap buckle. 2,998,-626, 9–5–61, Cl. 24—170.
Prete, Ernest, Jr., to G. D. Brown. Safety belt buckle and inertia restraint adapter therefor. 3,011,237, 12–5–61, Cl. 24—170.
Pretema A.G.: *See*—
Rohner, Ernst, and Strutt. 2,971,430.
Pretka, Frank: *See*—
Cunningham, George L., and Pretka. 2,996,534.
Pretka, John E., to American Cyanamid Co. 4-substituted-7-carboalkoxyamino-coumarins. 3,008,969, 11–14–61, Cl. 260—343.2.
Pretty Products, Inc.: *See*—
Timmons, William D. 3,005,209.
Prettyman, Elijah B., Jr.: *See*—
Birney, Arthur A., Prettyman, Semmes, and Swartz. 2,983,069.
Pretzsch, Hans: *See*—
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Preud'homme, Jean, and Y. Charpentie, to Societe des Usines Chimiques Rhone-Poulenc. Separation of spiramycins by countercurrent distribution. 3,011,947, 12–5–61, Cl. 167—65.
Preud'homme, Jean, and Y. Charpentie, to Societe des Usines Chimiques Rhone-Poulenc. Process for obtaining separately spiramycin I, spiramycin II and spiramycin III. 2,978,380, 4–4–61, Cl. 167—65.
Preuss, Charles. Method for the treatment of produce. 2,968,568. 1–17–61, Cl. 99—193.
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Prevost, Bruno E., to John W. Bolton & Sons, Inc. Jordan plug. 3,004,724, 10–17–61, Cl. 241—294.
Prevost, Bruno E., to John W. Bolton & Sons, Inc. Double bar Jordan plug. 3,004,725, 10–17–61, Cl. 241—294.
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Preway, Inc.: *See*—
Jenson, Kenneth S., and Suhr. 2,994,368.
Moss, Robert G. 2,979,052.
Priaroggia, Paolo G., to Pirelli Societa per Azioni. Stop joints and feeding joints for single-core oil-filled electric cables. 2,967,899, 1–10–61, Cl. 174—22.
Priaroggia, Paolo G., to Pirelli Societa per Azioni. Construction of joints and sealing ends of high tension electric cables. 2,967,901, 1–10–61, Cl. 174—73.
Priaroggia, Paolo G., and G. Colleoni, to Pirelli Societa per Azioni. Oil filled cables. 3,013,912, 12–19–61, Cl. 29—155.5.
Pribble, Noble F., to The Bendix Corp. Inductance controlled multivibrator. 2,967,953, 1–10–61, Cl. 307—88.5.
Pribble, Noble F., to The Bendix Corp. Fuel injection system for internal combustion engines. 3,011,486, 12–5–61, Cl. 123—119.
Pribitzer, Hans. Open end spanner wrench. 3,003,379, 10–10–61, Cl. 81—90.
Pribonic, John F., to General Motors Corp. Height control valve. 2,967,547, 1–10–61, Cl. 137—627.5.
Pribonic, John F., and W. A. Karlgaard, to General Motors Corp. Height control valve for vehicle suspension. 2,976,-053, 3–21–61, Cl. 280—124.
Pribyl, Frank V. Semi-automatic boat bailer. 2,990,798. 7–4–61, Cl. 114—183.
Price, Arthur B. Outboard motor safety hitch. 3,010,686, 11–28–61, Cl. 248—25.
Price, Berry G., and F. M. Wood, to Tuboscope Co. Apparatus for detecting discontinuities in insulation coatings. 2,978,637, 4–4–61, Cl. 324—54.
Price, Berry G., and F. M. Wood. Pipe inspection apparatus. 2,989,692, 6–20–61, Cl. 324—37.
Price, Carl C. Convertible aircraft. 2,969,935, 1–31–61, Cl. 244—7.
Price, Clegg E. Carton loading machine. 2,996,856, 8–22–61, Cl. 53—58.
Price, Connor E., to Link-Belt Co. Bearing seals. 2,983,529, 5–9–61, Cl. 286—5.
Price, Donald F., to Landis Tool Co. Mechanism for effecting smooth starting of a hydraulic motor. 2,977,933, Cl. 121—41.
Price, Donald F., and W. E. Happel, to Landis Tool Co. Work drive mechanism. 2,984,955, 5–23–61, Cl. 51—237.
Price, Duane W. Amusement ride. 2,994,281, 8–1–61, Cl. 104—61.
Price, Duane W., and D. Z. Chapman, to A. G. Aerpat. Ball detent fastener having pin movable to unlocked position by movement of actuator in either axial direction. 2,990,747. 7–4–61, Cl. 85—5.
Price, Duane W., and D. Z. Chapman, to Aerpat A.G. Cable release locking device and receptacle therefor. 3,011,239, 12–5–61, Cl. 24—211.
Price, Earl R., to The Bendix Corp. Double barrel master cylinder and actuating mechanism. 2,979,907, 4–18–61, Cl. 60—54.6.
Price, Earl R., to The Bendix Corp. Servomotor whose power driven element remains stationary during manual actuation. 3,009,448, 11–21–61, Cl. 121—41.
Price, Earl R., J. W. Blair, and M. L. Davis, to The Bendix Corp. Single poppet control valve. 2,991,762, 7–11–61, Cl. 121—46.5.
Price, Edward H.: *See*—
Burk, Robert E., and Price. 2,999,772.
Price, Edmund T., J. R. Woodward, and R. M. Messer, to Solar Aircraft Co. Brazing article and method. 3,001,274, 9–26–61, Cl. 29—455.
Price, Erwin R.: *See*—
Hanink, Dean K., and Price. 3,000,755.
Price, Everett R.: *See*—
Heisig, Henry P., and Price. 2,980,914.
Price, Frank B.: *See*—
Silver, Harold F., Steele, Wright, and Price. 2,976,550.
Price, Frederick J., Jr., to S. Dane. Gasket bowl seal. 2,971,672, 2–14–61, Cl. 220—81.
Price, George C., to Oliver Electrical Mfg. Co. Guy wire protector. 3,007,557, 11–7–61, Cl. 189—31.5.
Price, Glen E.: *See*—
Fisher, Horace L., Porter, and Price. 3,013,153.
Price, Harold A., to Dorr-Oliver Inc. Cell for testing hydrocarbon fuel. 2,970,468. 2–7–61, Cl. 73—53.
Price, Harold A., to Permanent Filter Corp. Filtration equipment. 3,010,580, 11–28–61, Cl. 210—104.
Price, Harold A., and J. G. Weiss, to American Mollerizing Corp. Vertical interface molten aluminizing bath coating process. 3,013,899, 12–19–61, Cl. 117—51.
Price, Hillard S., to Ryan Aeronautical Co. Engine trunnion mounting and thrust indicating means. 2,986,930, 6–6–61, Cl. 73—141.
Price, James H. Cylinder generating machine and method of generation. 2,979,798. 4–18–61, Cl. 25—1.
Price, Jerry L., to Monsanto Chemical Co. Catalyst preparation. 3,010,913, 11–28–61, Cl. 252—441.
Price, John A.: *See*—
Frazza, Everett J., and Price. 3,001,974.
Schuller, Walter H., and Price. 2,977,341.
Price, John A., to American Viscose Corp. Copolymer of 3-methyl-1-butene and 3-methyl-1-pentene. 3,010,949, 11–28–61, Cl. 260—88.2.
Price, John A., to American Viscose Corp. Polymeric compositions. 3,010,951, 11–28–61, Cl. 260—93.7.
Price, Leo, to Winslow Mfg. Co. Gages for contour and alignment control. 2,973,582, 3–7–61, Cl. 33—174.
Price, Lester A., to Harnischfeger Corp. Fast response direct current power supply for inductive loads. 2,973,469, 2–28–61, Cl. 321—32.
Price, Nathan C., to Lockheed Aircraft Corp. Variable area ram inlet device. 2,973,621, 3–7–61, Cl. 60—35.6.
Price, Nathan C. Wingless supersonic aircraft. 2,973,921, 3–7–61, Cl. 244—12.
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Price, Osborne I., Sr. 3,012,110.
Price, Osborne I., Sr., deceased, by O. I. Price, Jr., executor, to Magnetic Devices, Inc. Electrical circuit control switch. 3,012,110, 12–5–61, Cl. 200—6.
Price, Peter J., and J. W. Horton, to International Business Machines Corp. Solid state devices. 2,975,304, 3–14–61, Cl. 307—88.5.
Price, Peter J., and J. W. Horton, to International Business Machines Corp. Two-terminal semiconductor high frequency oscillator. 2,975,377, 3–14–61, Cl. 331—96.
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Hinderer, Gottlob, and J. K. Lyon. 2,977,986.
Price, Ralph E.: *See*—
Benkovich, John A., Whittington, and Price. 2,990,659.
Price, Ralph E., to Landis Tool Co. Profile dresser. 3,009,-455, 11–21–61, Cl. 125—11.
Price, Raymond M., and A. F. Roche, to The Dow Chemical Co. Crosslinking polymeric products of acrylonitrile. 2,985,630, 5–23–61, Cl. 260—78.4.
Price, Robert, and P. E. Green, Jr., to Research Corp. Anti-multipath receiving system. 2,982,853, 5–2–61, Cl. 250—20.
Price, Robert G., to Thomas J. Lipton, Inc. Apparatus for producing multipocket packages. 2,978,853, 4–11–61, Cl. 53—178.
Price, Stanley A.: *See*—
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Price, William R., to Catalysts and Chemicals Inc. Dehydrogenation catalyst. 2,971,927, 2–14–61, Cl. 252—443.

Prichard, John H., to Celanese Corp. of America. Composition comprising cellulose ester and diisocyanate modified polyester amide. 2,970,970, 2–7–61, Cl. 260—16.
Prichard, William W., to E. I. du Pont de Nemours and Co. Anti-vesicant compositions and products treated therewith. 2,988,526, 6–13–61, Cl. 260—28.5.
Prichard, William W., to E. I. du Pont de Nemours and Co. Stabilized tertiary N-chlorourea compositions. 3,003,971, 10–10–61, Cl. 252—187.
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Pridy, Whetstine B. Apparatus for straightening elongate metal members. 2,996,789, 8–22–61, Cl. 29—81.
Priebe, Henry F., Jr., to Bell Telephone Laboratories, Inc. Transistor waveform generator. 2,983,878, 5–9–61, Cl. 331—58.
Prien, Hans, and H.-J. Wulff, to Licentia Patent-Verwaltungs-G.m.b.H. Switch. 3,004,125, 10–10–61, Cl. 200—166.
Prier, Howard W.: *See*—
Faith, Winston O., Prier, and Wasserman. 2,984,435.
Priesemuth, Wolfgang. Dashpot device. 2,996,155, 8–15–61, Cl. 188—95.
Priesmeyer, Charles H., to The Powers Regulator Co. Thermostatic mixing valve. 2,997,239, 8–22–61, Cl. 236—12.
Priesmeyer, Charles, to Meyer & Wenthe, Inc. Seal press. 2,998,766, 9–5–61, Cl. 101—3.
Priest, Dwight E.: *See*—
La Pointe, Gabriel M., and Priest. 2,982,966.
Priest, George E., Jr.: *See*—
Jones, Clyde R., Steckelmeyer, Priest, Schoening, Ohlenburger, and Gittinger. 2,979,919.
Priest, Gerald G., to Jersey Production Research Co. Method of preparing a well completion and servicing fluid. 3,007,865, 11–7–61, Cl. 252—8.55.
Priest, Gerald G., to Jersey Production Research Co. Preparation of well completion and servicing fluid. 3,014,863, 12–26–61, Cl. 252—8.55.
Priest, James D.: *See*—
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Priestly, Frank P., to Link Research Corp. Heated wire-cutting device. Re. 25,016, 8–1–61, Cl. 219—29.
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Prigozy, Stephen, to Simmonds Aerocessories, Inc. Liquid quantity gauge and repeater system. 2,976,727, 3–28–61, Cl. 73—304.
Prihoda, John G. Pressure-shoe attachment for plow colter. 3,010,525, 11–28–61, Cl. 172—514.
Prijatel, Edward A., and H. H. Campbell, to Borg-Warner Corp. Safety relief valve. 2,980,132, 4–18–61, Cl. 137—469.
Prim, Robert C.: *See*—
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Primas, Johann J.: *See*—
Gunthard, Hans H., and Primas. 2,979,641.
Prime Mfg. Co.: *See*—
Antell, Joseph C. 2,972,761.
Small, Edward F. 3,012,261.
Primeau, George H., to General Motors Corp. Seal. 2,977,139, 3–28–61, Cl. 286—11.16.
Prince, George W.: *See*—
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Bass, Helen L. 2,997,161.
Prince, John F., 50% to J. J. Prince, Jr. Precision measuring instrument. 2,974,417, 3–14–61, Cl. 33—174.
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Wright, Frank. 3,003,303.
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Prines, Frank J., to Westinghouse Electric Corp. Bistable circuit. 2,970,298, 1–31–61, Cl. 340—174.
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Printy, John O., and E. W. Wagner, to Monsanto Chemical Co. Photosensitive resinous compositions and photographic elements. 2,990,281, 6–27–61, Cl. 96—35.
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Prior, Josef, and A. Florin, to Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co. Primer charge for detonators. 2,989,389, 6–20–61, Cl. 52—2.
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Pritchard, Dalton H., and A. C. Schroeder, to Radio Corp. of America. Color television receiver matrix. 2,980,761, 4–18–61, Cl. 178—5.4.
Pritchard, Dalton H., and A. C. Schroeder, to Radio Corp. of America. Color television synchronizing circuits. 2,983,783, 5–9–61, Cl. 178—5.4.
Pritchard, Dalton H., and M. D. Nelson, to Radio Corp. of America. Multi-beam convergence controlling systems. 2,999,186, 9–5–61, Cl. 315—13.
Pritchard, Hugh E., to Fram Corp. Air cleaner and silencer. 2,988,170, 6–13–61, Cl. 183—71.
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Pritchard, James E., to Phillips Petroleum Co. Water-repellent fabric. 2,978,362, 4–4–61, Cl. 117—135.5.
Pritchard, John, and G. Brookes, to North American Philips Co., Inc. Semi-conductor device. 2,998,556, 8–29–61, Cl. 317—234.
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Pritchett, Ervin G., and J. R. Gibbs, to National Distillers and Chemical Corp. Catalytic polymerization of monoolefins. 3,006,910, 10–31–61, Cl. 260—94.9.
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Honey, Eric M. O., Hardy, and Sharp. 2,984,869.
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Pritty, Gerald N., ½ to R.F.D. Co. Ltd. Stowage for an inflatable raft or like inflatable object. 2,968,820, 1–24–61, Cl. 9—11.
Pro, George M., to Air Placement Equipment Co. Auger assembly having novel discharge end. 2,973,855, 3–7–61, Cl. 198—213.
Pro, George M., to Air Placement Equipment Co. Combined mixer and conveyor. 2,976,025, 3–21–61, Cl. 259—154.
Pro, George M., to Air Placement Equipment Co. Discharge head for air-motivated materials. 2,983,551, 5–9–61, Cl. 302—59.
Pro, George M., to Air Placement Equipment Co. Discharge receiver for air motivated materials. 3,001,771, 9–26–61, Cl. 259—151.
Probasco, Harold T., to Oak Mfg. Co., Inc. Shaft bearing and part mounting construction. 2,982,588, 5–2–61, Cl. 308—237.
Probasco, Harold T., to Oak Mfg. Co., Inc. Vending machine. 2,990,084, 6–27–61, Cl. 221—122.
Probasco, Harold T., to Oak Mfg. Co., Inc. Dispenser for a plurality of commodities. 3,010,607, 11–28–61, Cl. 221—93.
Probert, Rhys P., and E. C. Roberson, to Power Jets (Research and Development) Ltd. Vortex flow reaction chambers. 3,012,402, 12–12–61, Cl. 60—39.69.
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Probst, Robert L., P. I. Karp, C. H. Sayre, and A. H. Beebe, Jr., to Federal-Mogul-Bower Bearings, Inc. Atomizing nozzle and pouring cup assembly for the manufacture of metal powders. 2,968,062, 1–17–61, Cl. 18—2.5.
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Prochazka, Miroslav. Indicator of torsional oscillations. 2,995,928, 8–15–61, Cl. 73—70.1.
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Miller, James S. 2,980,242.
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Proctor, Ronald R., to The Pure Oil Co. Fractionating apparatus. 3,003,928, 10–10–61, Cl. 202—40.
Proctor, Sidney E., to Austin Hoy and Co. Ltd. Frame jibs for coal cutting machines. 2,998,235, 8–29–61, Cl. 262—30.
Proctor, Thomas L., to Pure Gold, Inc. Means for supporting boxes and their contents during passage through a gluing machine. 3,011,298, 12–5–61, Cl. 53—374.
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Pruyn, Marjorie G. and L. L. Opener for containers. 2,975,514, 3–21–61, Cl. 30—6.1.
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Bland, Marshall R. 2,990,302.
Brevik, Elmer L. 2,994,165.
Jackson, Clark E. 2,985,436.
Jackson, Clark E., and Vassar. 3,011,922.
Holman, Emmette R. 2,975,041.
Pimbley, George H. 2,976,193.

Purifoy, George R., to Westinghouse Electric Corp. Traction-motor acceleration and dynamic-braking control. 2,980,036, 4–18–61, Cl. 105—61.

Purifoy, George R., and N. H. Willby, to Westinghouse Electric Corp. Traction-motor dynamic-braking control. 2,985,810, 5–23–61, Cl. 318—262.

Purington, Ellison S., to Radio Corp. of America. Remote control system. 3,012,245, 12–5–61, Cl. 343—225.

Purinton, Richard M., to Amphenol-Borg Electronics Corp. Electrical contacts. 3,003,135, 10–3–61, Cl. 339—262.

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Purkhiser, Rawlins E., to Air Reduction Co., Inc. Welding current control. 2,977,528, 3–28–61, Cl. 323—66.

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Bates, David J., Johnson, and Purl. 2,985,792.
Bates, David J., and Purl. 2,985,791.

Purling, Donald T. Tour navigator. 3,003,271, 10–10–61, Cl. 40—86.

Purnell, Redge J., to The Lionel Corp. Fishing reel. 2,988,298, 6–13–61, Cl. 242—84.5.

Purnell, Richard F., to Stewart-Warner Corp. Automatic sortation system control. 3,000,519, 9–19–61, Cl. 214—11.

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Wilson, Norman E. 2,984,841.
Wilson, Norman E. 2,991,923.
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Gruner, Frederick R. 2,973,830.
Hultgren, William H. 3,000,506.
Kaser, Arthur. 3,012,631.
Mouwen, Herman C. 2,979,400.
Pierfederici, Alfred J. 2,978,068.
Scavuzzo, William J. 2,979,021.
Scavuzzo, William J. 3,000,505.

Purpura, August C. Helicopter type aircraft. 2,997,258, 8–22–61, Cl. 244—23.

Purpura, Joseph: *See*—
Courtenay, Charles R. 3,012,265.
Purre, Heino: *See*—
Craighead, Emery M., and Purre. 3,010,707.
Hurley, James R., and Purre. 3,010,512.
Pursche, Harry A. Reversible plow. 2,969,843, 1-31-61, Cl. 172—224.
Pursglove, Laurence A., to The Dow Chemical Co. Chlorotolyl esters. 2,968,673, 1-17-61, Cl. 260—479.
Pursglove, Laurence A., to The Dow Chemical Co. α-chlorotolyl benzoates. 3,000,930, 9-19-61, Cl. 260—476.
Pursley, Marvin F. Archer's aid. 2,982,279, 5-2-61, Cl. 124—35.
Purtell, Rufus J. Irrigation pipe moving system. 3,009,646, 11-21-61, Cl. 239—189.
Purvance, William T., to United States Steel Corp. Agricultural implement for conditioning soil. 2,975,735, 3-21-61, Cl. 111—6.
Purvis, Joseph L., to International Minerals & Chemical Corp. Resolution of DL-glutamic acid. 2,987 543, 6-6-61, Cl. 260—534.
Puschel, Walter, to Agfa Aktiengesellschaft. Color photography. 2,998,314, 8-29-61, Cl. 96—55.
Puschhof, Siegfried: *See*—
Feichtinger, Hans, Tummes, and Puschhof. 3,000,907.
Puschmann, Heinz: *See*—
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Puster, Louis M., to Robertshaw-Fulton Controls Co. Combination positioner and controller. 2,989,034, 6-20-61, Cl. 121—41.
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Putman, John S., and N. R. Babajoff; said Putman assor. to said Babajoff. Outboard motor lock. 2,984,096, 5-16-61, Cl. 70—232.
Putman, Raymond C., Sr., to Taylor Mfg. Co., Inc. Article receiving and storage apparatus. 2,992,717, 7-18-61, Cl. 194—4.
Putman, William T. Concentrator. 3,007,577, 11-7-61, Cl. 209—475.
Putnam, Donald M., to Power Brake Parts Mfg. Co. Pneumatic signalling system for tractor-trailer combinations. 2,979,364, 4-11-61, Cl. 303—1.
Putnam, Donald M., to Monarch Tool & Machinery Co. Control valve for pneumatic braking systems. 2,986,153, 5-30-61, Cl. 137—115.
Putnam, Donald M., to Monarch Tool & Machinery Co. Pneumatic braking system for tractor-trailer combinations. 2,986,426, 5-30-61, Cl. 303—8.
Putnam, Donald M., to Power Brake Parts Mfg. Co. Fluid pressure operated electrical switch assembly. 2,996,588, 8-15-61, Cl. 200—82.
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Putnam, Joseph L., to The J. L. Putnam Co., Inc. Ball valve. 2,981,284, 4-25-61, Cl. 137—556.3.
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Richard, Charles D., and Gillman. 3,009,532.
Putnam, Theo O. Animal tether assembly. 2,981,230, 4-25-61, Cl. 119—117.
Putney, Charles B. Control system. 2,972,132, 2-14-61, Cl. 340—229.
Putney, David H., to Stratford Engineering Corp. Hydrogen fluoride alkylation with effluent refrigeration. 2,977,397, 3-28-61, Cl. 260—683.48.
Putney, David H., to Stratford Engineering Corp. Apparatus for controlling temperature change of blends of fluids or fluids and finely divided solids. 2,979,308, 4-11-61, Cl. 257—73.
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Pütz, Hans, to Joh. Vaillant K.G. Electric continuous-flow heater with water deficiency safety device. 3,005,888, 10-24-61, Cl. 200—83.
Putz, Hector R., to McGraw-Edison Co. Remote control system. 2,990,537, 6-27-61, Cl. 340—147.
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Haynes, Harold E., and Putzrath. 2,985,065.
Putzrath, Franz L., to Radio Corp. of America. Composite photography. 2,985,063, 5-23-61, Cl. 88—24.
Puxkandl, Peter, to Vereinigte Osterreichische Eisen-und Stahlwerke Aktiengesellschaft. Tiltable crucible or converter for refining crude iron. 3,000,621, 9-19-61, Cl. 266—39.
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Delanoy, Donald B. 2,990,454.
Fisher, Donald H. 2,978,539.
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Kingsbury, John. 3,008,002.
Weighton, Donald. 2,994,843.
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Pyramid Industries, Inc.: *See*—
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Pyzel, Robert, to Pyzel-Fitzpatrick, Inc. Apparatus for cement manufacture. 2,977,105, 3-28-61, Cl. 263—21.
Pyzel, Robert. Particle size control. 2,981,531, 4-25-61, Cl. 263—53.
Pyzel, Robert, to Union Commerce Bank, trustee. Hydraulic cement process. 3,013,786, 12-19-61, Cl. 263—53.
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Albee, Percy F., Jr. 3,009,516.
Albee, Percy F., Jr. 3,011,600.
Quaas, Kurt, to Zellwolle-Lehrspinnerei G.m.b.H. Double belt drawing mechanism for spinning machines. 2,993,238, 7-25-61, Cl. 19—131.
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Simons, John K. 2,969,335.
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Dunlop, Andrew P. 2,993,913.
Dunlop, Andrew P., and Eftax. 2,980,703.
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Johnson, Ralph H. 2,997,829.
Manly, Donald G. 2,976,299.
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Qualman, Jack W., and V. C. Moore, to General Motors Corp. Transmission. 2,987,941, 6-13-61, Cl. 74—677.
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Quayle, George F., to The Yale and Towne Mfg. Co. Hydraulic system for an industrial truck. 2,968,927, 1–24–61, Cl. 60—97.
Quayle, George F., to The Yale and Towne Mfg. Co. Coil handling truck. 2,972,427, 2–21–61, Cl. 214—652.
Quayle, George F. Lift truck. 2,973,835, 3–7–61, Cl. 187—9.
Quayle, George F., to The Yale & Towne Mfg. Co. Upright assembly for industrial trucks. 2,979,162, 4–11–61, Cl. 187—9.
Quayle, George F., to The Yale and Towne Mfg. Co. Fork extending construction. 2,992,751, 7–18–61, Cl. 214—730.
Quayle, George F., to The Yale and Towne Mfg. Co. Selector valve. 3,002,498, 10–3–61, Cl. 121—40.
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Queen's University: *See*—
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Quehl, Henry E., Jr., to E. I. du Pont de Nemours and Co. Dielectric heat sealing blanket. 2,969,327, 1–24–61, Cl. 252—63.2.
Quehl, Henry E., Jr., to E. I. du Pont de Nemours and Co. Laminating blanket. 2,983,638, 5–9–61, Cl. 154—54.
Quell, Charles H., to Micro Balancing, Inc., a Subsidiary of Giannini Scientific Corp. Dynamic balancing means. 2,975,640, 3–21–61, Cl. 73—466.
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Quenot, Michel, to Societe a Responsabilite Limitee dite: Quenot & Cie. Measuring-tape. 3,001,738, 9–26–61, Cl. 242—84.8.
Quenot, Michel C. A., to Societe a Responsabilite Limitee dite: Etablissements Quenot & Cie. Steel tape for measuring internal dimensions. 3,004,346, 10–17–61, Cl. 33—138.
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Querio, John P. Weather seal for overhead garage door. 2,987,784, 6–13–61, Cl. 20—68.
Quertier, John R., to Chicago Pneumatic Tool Co. Installations for compressing air or gas. 2,991,002, 7–4–61, Cl. 230—19.
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Quick, Carl F., and L. B. Rice, to Rohr Aircraft Corp. Tumble drill jig. 2,976,748, 3–28–61, Cl. 77—62.
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Quin, Murray L., to Day-Brite Lighting, Inc. Apparatus for combining air supply and exhaust with lighting equipment. 2,985,090, 5–23–61, Cl. 98—40.
Quinan, James R., and J. W. Sprague, to Norton Co. Coated abrasives. 3,011,882, 12–5–61, Cl. 51—298.
Quinby, Charles E., to Lear, Inc. Pressure regulator. 2,984,251, 5–16–61, Cl. 137—116.3.
Quinche, Albert, to American Can Co. Machine for molding heads made of a thermoplastic material on tubular bodies. 2,994,107, 8–1–61, Cl. 18—20.
Quinlan, Amos L., to Western Electric Co., Inc. Method of making a commutator. 3,010,182, 11–28–61, Cl. 29—155.54.
Quinlan, David A. Automatic flow regulator. 2,998,161, 8–29–61, Cl. 222—20.
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Quinn, James A., and S. I. Frangoulis, to Sperry Rand Corp., Ford Instrument Co. Division. Electromechanical analog integrating device. 2,990,116, 6–27–61, Cl. 235—183.
Quinn, James L., to Bemis Bro. Bag Co. Bag. 2,980,313, 4–18–61, Cl. 229—63.
Quinn, James L., J. K. Duncan, and J. S. Mentzer, to Cummins-Chicago Corp. Length sensing device. 2,998,881, 9–5–61, Cl. 209—82.
Quinn, James L., and J. S. Mentzer, to Cummins-Chicago Corp. Card width sensing device. 3,002,283, 10–3–61, Cl. 33—143.
Quinn, James M., and A. K. Schneider, to E. I. du Pont de Nemours and Co. Polymeric compositions and shaped structures thereof. 2,999,838, 9–12–61, Cl. 260—45.7.
Quinn, James M., and A. K. Schneider, to E. I. du Pont de Nemours and Co. Polyvinyl chloride stabilized with products of allene and acetylene. 3,003,994, 10–10–61, Cl. 260—45.7.
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Quinn, Ross A., to Lockheed Aircraft Corp. Structurally integrated film resistor assembly. 2,994,846, 8–1–61, Cl. 338—308.
Quinn, Stanley F., to Electric & Musical Industries Ltd. Apparatus incorporating a dichroic mirror. 2,999,896, 9–12–61, Cl. 178—5.4.
Quinn, Warren E., W. C. Elmore, E. M. Little, K. Boyer, and J. L. Tuck, to United States of America, Atomic Energy Commission. Neutron source using magnetic compression of plasma. 3,006,835, 10–31–61, Cl. 204—193.2.
Quinn, Will M., Jr., and T. T. True, to General Electric Co. Combination burst gate and burst elimination circuit for use in color television receivers. 2,992,295, 7–11–61, Cl. 178—66.5.
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Quintino, Luis E., P. E. Jacobs, and L. F. Stringer, to Westinghouse Electric Corp. Current control apparatus. 2,985,811, 5–23–61, Cl. 318—513.
Quiquerez, Joseph, and E. Weisang, to Compagnie Francaise de Raffinage. Process of deodorizing hydrocarbons of petroleum. 2,967,824, 1–10–61, Cl. 208—289.
Quirin, Edward J., to Frederic R. Harris, Inc. Caissons for wharf construction and method of installing same. 2,966,778, 1–3–61, Cl. 61—46.
Quirk, Robert W., to Hoffman Electronics Corp. Servomechanism for tracking a heat source. 2,967,249, 1–3–61, Cl. 250—215.
Quisenberry, Carter E., to American Machine & Foundry Co. Sprocket chain separator with means for measuring the desired length of chain. 3,003,306, 10–10–61, Cl. 59—7.
Quist, Harold A., to Sun Oil Co. Temperature corrected gauge. 2,972,252, 2–21–61, Cl. 73—321.
Quist, Harold A., to Sun Oil Co. Tank guage calculator. 2,988,270, 6–13–61, Cl. 235—61.
Quittner, George F., to Industrial Rayon Corp. Method for the continuous testing of flowing materials. 2,977,199, 3–28–61, Cl. 23—230.
Quittner, George F., to Industrial Rayon Corp. Method of handling a plurality of yarns during processing. 2,988,867, 6–20–61, Cl. 57—157.
Quoss, Henry N. Ironing aid. 3,007,192, 11–7–61, Cl. 15—561.
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Raab, Andrew F., to Littelfuse, Inc. Snap acting switch. 2,994,750, 8–1–61, Cl. 200—67.
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Raab, Karlheinz, to Jos. Schneider & Co., Optische Werke. Photographic or cinematographic objective with range-finder control. 3,005,393, 10–24–61, Cl. 95—44.
Raabe, Herbert P. Tone arm mechanism. 3,005,059, 10–17–61, Cl. 179—100.4.
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Rabbitts, Leonard C., to Door-Oliver Inc. Continuous vacuum filtration system with filtrate intercepting apparatus. 3,002,523, 10–3–61, Cl. 137—205.
Rabe, Karl, K. Sutor, and W. Krapp, to Kronprinz Aktiengesellschaft. Wheel assemblies. 3,009,742, 11–21–61, Cl. 301—9.
Rabell, William H. Method for making tampons. 2,976,579, 3–28–61, Cl. 19—144.5.
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Wismer, Marco, and Rabenold. 2,999,834.
Rabeux, Jean, and R. Jacob, to Societe d'Applications Generales d'Electricite & de Mecanique. Circular loom. 2,976,890, 3–28–61, Cl. 139—13.
Rabin, Charles. Heat exchange unit. 2,991,048, 7–4–61, Cl. 257—236.
Rabin, Charles. Combined heating and refrigerating unit. 3,008,302, 11–14–61, Cl. 62—159.
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Rabinow, Jacob, to United States of America, Navy. Variable pitch windmill. 2,973,041, 2–28–61, Cl. 170—68.
Rabinow, Jacob, to United States of America, Army. Free flight arming device. 2,983,800, 5–9–61, Cl. 200—61.45.
Rabinow, Jacob. Automatic rate regulator for timepieces. 2,985,997, 5–30–61, Cl. 58—109.
Rabinow, Jacob. Fluid operated switch. 3,013,134, 12–12–61, Cl. 200—81.9.
Rabinow, Jacob, and W. B. McLean, to United States of America, War. Wind-operated delayed arming fuze. 2,985,105, 5–23–61, Cl. 102—70.2.
Rabinow, Jacob, H. J. Rosenberg, and J. G. M. Macdonald, 85% to said Rabinow and 15% to M. L. Libman. Single letter feeding device. 2,988,355, 6–13–61, Cl. 271—2.
Rabinow, Jacob, and A. O. Morse; said Rabinow assor. of 15% to M. L. Libman. Photoelectrically controlled rear mirror. 3,000,262, 9–19–61, Cl. 88—77.
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Rabins, Leonard, to General Electric Co. Coil for electrical induction apparatus. 2,981,910, 4–25–61, Cl. 336—58.
Rabo, Jule A., and J. B. Powers, to Union Carbide Corp. Regeneration of coked catalyst with controlled oxygen content of the regeneration gas. 2,985,584, 5–23–61, Cl. 208—120.
Rabourn, Warren J., Jr., to The Dow Chemical Co. Inhibiting thermal degradation of phosphoryl tri-dimethyl amide. 3,002,586, 10–3–61, Cl. 183—115.
Rabow, Gerald, to International Telephone and Telegraph Corp. Vehicle suspension and stabilizing system. 2,992,837, 7–18–61, Cl. 280—124.
Rabson, Edward J.: *See*—
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Rabson, Edward J., to Hardy Spicer Ltd. Change-speed gears. 2,980,209, 4–18–61, Cl. 184—11.
Rabson, Edward J., to Birfield Engineering Ltd. Universal joints. 2,992,547, 7–18–61, Cl. 64—17.
Rabson, William R., to PGAC Development Co. Neutron calibration method and apparatus. 2,978,585, 4–4–61, Cl. 250—83.
Rabuse, Frank M. Automatic control steering unit for tractors. 2,981,355, 4–25–61, Cl. 180—79.1.
Rabuse, Frank M. Cultivator implement. 2,992,690, 7–18–61, Cl. 172—770.
Race, Austin T., Jr. Pipe with coupling ends and method of attaching. 2,971,778, 2–14–61, Cl. 285—6.
Race, Richard T., to Motorola, Inc. Transistor heat sink assembly. 2,984,774, 5–16–61, Cl. 317—234.
Race, Richard T., to Motorola, Inc. Transistor circuit. 2,984,778, 5–16–61, Cl. 321—45.
Racely, Kermit L., to Dover Corp. Safety device for vehicle lifts. 3,013,635, 12–19–61, Cl. 187—8.49.
Rachlin, Bernard, to Minneapolis-Honeywell Regulator Co. Density measuring apparatus. 2,972,255, 2–21–61, Cl. 73—452.
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Kark, James H., Breitsprecher, and Bornarth. 2,994,226.
Miller, George B., and Rynders. 2,969,646.
Raymond, Robert E. 2,969,084.
Raymond, Robert E. 2,969,647.
Raymond, Thomas E. 3,002,462.
Rynders, Robert D., and Brannon. 2,975,717.
Racine, Roger R., to Protect-O-Matic Corp. Safety vehicle seat mechanism. 2,970,862, 2–7–61, Cl. 296—65.
Racine, Roger R., to Protect-O-Matic Corp. Safety vehicle seat system. 2,978,273, 4–4–61, Cl. 296—65.
Racine, Wallace N.: *See*—
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Rackow, Herbert C., to Stow & Davis Furniture Co. Drawer suspension slide. 3,009,755, 11–21–61, Cl. 312—339.
Racz, Louis J., and C. T. Roessler, to Jennings Radio Mfg. Corp. Vacuum relay. 3,001,046, 9–19–61, Cl. 200—87.
Radack, Harry E., to Circle F Mfg. Co. Weatherproof, protective covering for electrical wiring devices. 2,987,214, 6–6–61, Cl. 220—24.3.
Radack, Harry E., to Circle F Mfg. Co. Electrical wiring device and mounting means therefor. 3,005,178, 10–17–61, Cl. 339—128.
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Radcliffe, Remington S., to Westinghouse Electric Corp. Fan apparatus. 2,995,191, 8–8–61, Cl. 170—159.
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Rader, Eugene. Container opener. 2,969,591, 1–31–61, Cl. 30—16.
Rader, Rollo C. Trunk mounted automobile table. 3,011,847, 12–5–61, Cl. 311—21.
Radford, James E., to United States of America, Navy. Hydraulic power supply. 3,004,734, 10–17–61, Cl. 244—14.
Radford, William E. A., to Engineering Research and Application Ltd. Machine tools and other machines for carrying out a sequence of operations. 2,977,826, 4–4–61, Cl. 77—32.3.
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Gallentine, Donal O. 2,966,727.
Gallentine, Donal O. 2,967,083.
Gallentine, Donal O., and Keith. 2,966,726.
Petersen, Jack A. 2,976,104.
Scharla-Nielsen, Hans, McRae, and McLamb. 2,981,896.
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Armstrong, Lorne D. 2,974,073.
Armstrong, Lorne D. 2,975,080.
Ballard, David C., Konrad, and Osborne. 2,967,963.
Bargellini, Pier L. 3,015,075.
Baybick, Solomon. 2,977,517.
Bazan, Steven J. 2,981,947.
Beagles, Robert. 2,998,573.
Bedford, Alda V. 2,989,587.
Bendell, Sidney L. 2,971,116.
Bothwell, Theodore P., and Helbig. 2,979,625.
Bott, Adolf H., and Talmage. 3,005,167.
Braden, Rene A. 2,995,742.
Braunstein, Rubin. 2,990,518.
Briggs, George R., and Lo. 2,968,795.
Brockwell, Lloyd A., and Matta. 2,976,500.

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Byrd, John F., and Falco. 2,972,022.
Byrnes, Irving F., and Moore. 2,991,466.
Camp, Paul R. 2,982,856.
Carlson, Carl L., and Nelson. 2,977,262.
Carrell, Ross M. 2,981,096.
Chien, Kun L., and Propster. 2,967,296.
Christiansen, Waldemar G. and Glenn. 2,987,679.
Clay, Burton R. 2,972,073.
Clay, Burton R. 3,002,120.
Clay, Burton R., and Small. 2,975,314.
Coate, Ralph S., and Koren. 2,978,540.
Collins, Warren T., and Rappaport. 2,998,550.
Covely, Frank D., 3rd. 3,003,146.
Covely, Frank D., 3rd, and Stocker. 2,995,744.
Crane, Hewitt D. 2,980,892.
Crane, Hewitt D. 2,983,906.
Crumley, Julius A., James, and Shulman. 2,990,279.
Davis, Ralph E. 2,999,781.
Deuitch, Don E. 2,967,991.
Deuitch, Don E. 2,995,664.
Dimmick, Glenn L. 2,985,064.
Eberhard, Everett. 2,994,838.
Ecker, Mario E. 2,980,815.
Eichenbaum, Arie L. 2,996,640.
Emmons, Clark H. 3,005,141.
Englund, John W. 2,997,578.
Fernsler, George L. 2,978,655.
Feryszka, Max S. 3,002,161.
Fillebrown, Stephen M., and Guerber. 2,985,864.
Flory, Leslie E., and Pike. 2,968,802.
Forgue, Stanley V. 2,967,254.
Forman, Phillip. 2,998,481.
Freedman, Larry A. 2,967,236.
Freedman, Larry A. 3,004,157.
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Fuglesang, Johan. 2,994,817.
Fujii, Wesley M. 2,967,673.
Garner, Lloyd P., and Parker. 2,996,637.
Giacoletto, Lawrence J. 2,984,752.
Gialmo, Edward C., Jr. 2,979,403.
Gialmo, Edward C., Jr. 2,984,163.
Gialmo, Edward C., Jr. 2,990,280.
Gibson, Walter G. 2,971,053.
Glicksman, Maurice. 3,011,069.
Glicksman, Maurice. 3,011,070.
Godfrey, Richard H. 3,005,921.
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Gold, Robert D., Pensak, and Steele. 3,012,154.
Goldsmith, Alfred N., and Kennedy. 2,989,580.
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Goodrich, Hunter C. 2,977,411.
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Grasheim, Irving I., and Mormile. 2,989,706.
Gray, George W. 2,983,852.
Gray, Sidney. 2,967,255.
Green, Milton W. 2,975,349.
Green, Milton W. 2,978,682.
Green, Milton W. 2,983,889.
Greenblatt, Manuel H., and Green. 2,974,231.
Greig, Harold G. 2,979,402.
Greswold, Forrest E. 2,984,891.
Grimm, Albert C., and Schumacher. 2,982,927.
Gunby, Olin B. 3,002,055.
Hall, Alvin L. 2,989,652.
Hardy, Austin E. 2,991,383.
Hathaway, Jarrett L. 2,982,813.
Hawley, Mones E., and Simshauser. 2,972,018.
Haynes, Harold E., and Putzrath. 2,985,065.
Heckler, Clarence H., Jr. 2,983,886.
Herbst, Philip J. 2,977,587.
Hermanny, Heinrich. 3,006,059.
Herzfeld, Fred. 3,007,055.
Hoehn, John J., and Hills. 2,985,395.
Hoover, Merle V. 2,983,882.
Howells, Joseph A. 2,972,705.
Hoyt, Clyde W., and Thomas. 2,995,622.
Hughes, Richard H. 2,991,381.
Hurford, Winslow L. 2,981,793.
Iams, Harley. 2,983,916.
Jackson, Arnel E. 2,967,457.
Jenny, Dietrich A. 2,999,926.
Jenny, Dietrich A., and Wysocki. 2,979,428.
Johnson, Miles C., and Weinstock. 2,989,742.
Johnson, Sigurd W. 2,991,754.
Jones, Loren F. 2,975,238.
Jose, Robert S., and Talmage. 2,986,631.
Katz, Abraham. 3,008,129.
Kazan, Benjamin. 2,995,741.
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Kelzer, Eugene O., and Burns. 2,989,581.
Kell, Ray D. 2,967,210.
Kelly, Gordon E. 2,985,849.
Kelly, Gordon E. 3,007,999.
Kelly, Gordon E., and Iannuzzi. 2,971,050.
Kennedy, Ralph C. 2,971,047.
Kestenbaum, Aaron L., and Daskam. 2,978,367.
Kidd, Marshall C. 2,979,563.
Kishi, Hajime J., Sheridan, and Liguori. 3,012,228.
Kline, Arthur J., Jr., and Hassett. 2,994,855.
Knaner, Wolfgang. 2,975,320.
Knauf, Harry V., Jr., and Rose. 3,007,760.
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Korman, Nathaniel I. 2,977,588.
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Koustas, Peter. 2,971,168.
Krieger, Gardner L., Schultz, and Morton. 3,003,075.
Kurzrok, Richard M. 2,970,275.
Larach, Simon. 2,978,417.
Larky, Norbert D., and Cuccia. 2,980,760.
Law, Harold B. 2,971,117.
Lehmann, Jules. 2,978,647.
Leigh, John S., and Hobbs. 2,977,570.
Leslie, Edward S. 2,971,064.
Lessoff, Howard. 3,009,880.
Leyton, Eric M. 2,979,558.
Leyton, Eric M. 2,979,562.
Li, Kam. 2,988,731.
Li, Kam. 2,999,987.
Lindenblad, Nils E. 2,978,985.
Lo, Arthur W., and Crane. 3,014,204.
Loebner, Egon E., and Darling. 2,972,054.
Loebner, Egon E., Hook, and Darling. 2,975,291.
Lohman, Robert D. 2,974,238.
Lozier, Gerald S. 2,993,946.
Lukawich, Joseph J. 3,007,604.
MacLean, Kenneth G., and Trevor. 2,981,852.
Macovski, Albert. 2,971,046.
Macovski, Albert. 2,997,538.
Mangiaracina, Charles J. 2,986,317.
Massey, Milton K. 3,002,076.
Matson, Leslie E., Jr., Weinstock, and Ford. 2,998,599.
Mayer, Cornelius G., and Killow. 2,999,624.
McCreary, Harold E. 2,977,321.
McCurdy, Robert J. 2,991,469.
Meisel, Herbert R., Schork, Pikor, and Blicher. 2,971,138.
Mengle, Lewis I. 2,989,584.
Meshulam, Avram M. 3,009,510.
Mintzer, Alfred I. 2,975,299.
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Moodey, Hannah C. 3,011,090.
Moore, Arthur H. 3,014,620.
Morehouse, Clarence K., Lozier, and Glicksman. 2,976,342.
Morton, George A. 2,975,283.
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Moyer, Robert C. 3,000,005.
Mueller, Charles W. 2,967,344.
Mueller, Charles W. 3,001,113.
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Murakami, Tomomi, and Achenbach. 2,997,579.
Nelson, Herbert. 2,972,092.
Nelson, Herbert. 2,985,805.
Nelson, Herbert. 3,010,857.
Nelson, Morris D. 2,971,088.
Nicoll, Frederick H. 2,967,248.
Nicoll, Frederick H. 2,975,318.
Nicoll, Frederick H. 2,989,641.
Nulton, John H., Jr., and Shoaf. 2,980,766.
O'Brien, Joseph A. 3,014,656.
Okstein, Paul. 2,992,348.
Olive, George A. 2,988,593.
Olson, Harry F. 2,983,790.
Olson, Harry F. 3,007,012.
Olson, Harry F., and Belar. 2,971,057.
Olson, Harry F., and Belar. 2,971,058.
Olson, Harry F., and Belar. 3,007,362.
Page, John F., and Spielberg. 3,007,137.
Pankove, Jacques I. 2,974,236.
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Paschke, Fritz E. 2,992,356.
Peter, Rolf W. 3,002,123.
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Peters, Carl L. 2,985,948.
Pettus, James L., and Rettinger. 2,986,608.
Pilas, Frank J. 2,967,967.
Post, Frederick L. 2,991,468.
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Powers, Kerns H. 2,987,683.
Preisig, Joseph O. 2,990,445.
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Pritchard, Dalton H., and Nelson. 2,999,186.
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Prywes, Noah S. 2,988,730.
Purington, Ellison S. 3,012,245.
Putzrath, Franz L. 2,985,063.
Rajchman, Jan. A. 2,994,067.
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Ramberg, Edward G. Re. 25,091.
Rappaport, Paul. 2,976,426.
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Reeder, Claude E., and Scott. 3,009,145.
Reisner, John H. 2,976,457.
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Royce, Martin R., and Hardy. 2,972,075.
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Shore, Harvey G. 2,998,578.
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Sisneros, Thomas E., and Watson. 2,971,859.
Siukola, Matti S. O. 2,971,193.
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Smith, Charles M. 2,999,895.
Smith, Edgar M. 2,982,878.
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Sonnenfeldt, Richard W. 2,980,762.
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Stewart, John F. 2,982,669.
Stocker, Arthur C. 2,967,969.
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Thomas, Lucius P., Jr. 2,989,588.
Thomas, Lucius P., Jr., and Hoyt. 2,989,589.
Thompson, Roger D. 2,989,583.
Tults, Juri, and Werenfels. 3,003,029.
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Leonard, Ralph N. 2,979,720.
Radish, Charles J., and G. M. Stein, to Westinghouse Electric Corp. Electrical apparatus. 2,982,439, 5–2–61, Cl. 220—66.
Radke, Arthur O., and H. N. Tengler, to Bostrom Corp. Seat structure for farm tractors and the like. 2,998,054, 8–29–61, Cl. 248—374.
Radlove, Sol B., to The Glidden Co. Hexitol and hexitan partial esters and shortening agents containing same. 2,996,387, 8–15–61, Cl. 99—118.
Rado, John A.: *See*—
Cawein, Madison, and Rado. 3,005,046.
Rado, John A., to Diamond Power Specialty Corp. Flying spot camera tube. 3,011,019, 11–28–61, Cl. 178—7.1.
Rado, Leopold, deceased, by D. F. Pickering, executrix. Apparatus for the continuous production of filled containers. 3,001,348, 9–26–61, Cl. 53—182.
Rado, Leopold, deceased; D. F. Pickering, executrix. Collapsible container. 3,011,293, 12–5–61, Cl. 53—14.
Rado, Louis: *See*—
Sutton, William L. 2,991,370.
Radocy, Frank, to Audio Devices, Inc. Erasing means for magnetic recording. 2,993,096, 7–18–61, Cl. 179—100.2.
Radocy, Frank, to Audio Devices, Inc. Magnetic recording. 3,007,807, 11–7–61, Cl. 117—66.
Rado-Matic Corp., The: *See*—
Seith, Charleigh A., and Kidd. 2,991,406.
Radomski, Daniel: *See*—
Neuhaus, Gottfried, and Radomski. 2,987,848.
Rados, John L., to Harbor Boat Building Co. Reusable shipping container. 2,982,395, 5–2–61, Cl. 206—46.
Radouco-Thomas, Corneille, to General Electric Co. Process of stabilizing meat. 2,992,927, 7–18–61, Cl. 99—174.
Radtke, Anton S., and W. O. Dekarske, to Consolidated Water Power & Paper Co. Paper calender. 3,011,431, 12–5–61, Cl. 100—162.
Radue, Robert W.: *See*—
Hertling, Leander A., and Radue. 3,012,064.
Rady, William J., and C. W. King, to General Motors Corp. Control circuit. 2,967,990, 1–10–61, Cl. 322—28.
Radzinsky, Harry: *See*—
Crockford, Joseph R. 2,968,107.
Lutz, Julius H. 2,998,173.
Radzyner, Samuel M. Memorandum device. 2,980,444, 4–18–61, Cl. 281—11.
Rae, Alexander J., to Electric & Musical Industries Ltd. Gramophone record playing apparatus. 3,012,789, 12–12–61, Cl. 274—10.
Rae, Barney O.: *See*—
Byrnes, Richard J., Pence, and Rae. 3,011,621.
Rae, David G., to Talon, Inc. Fastening device. 2,983,019, 5–9–61, Cl. 24—207.
Rae Motor Corp.: *See*—
Hansen, Everett K., and Petersen. 2,984,758.
Rae, Randolph S., to United States of America, Navy. Streamlined rings for assuring isentropic compression of supersonic stream through a conventional missile diffuser. 2,975,587, 3–21–61, Cl. 60—35.6.
Rae, Randolph S., to United States of America, Navy. Ramjet diffuser. 2,995,007, 8–8–61, Cl. 60—35.6.
Rae, Randolph S., to United States of America, Navy. Streamlined ring for assuring optimum compression in a ramjet. 3,005,309, 10–24–61, Cl. 60—35.6.
Raecke, Bernhard: *See*—
Blaser, Bruno, Raecke, and Schirp. 3,014,067.
Raecke, Bernhard, to Henkel & Cie. G.m.b.H. Polymerization of olefins. 3,007,909, 11–7–61, Cl. 260—94.9.
Raecke, Bernhard, to Henkel & Cie, G.m.b.H. Detergent composition. 3,011,977, 12–5–61, Cl. 252—161.
Raehrs, Emery C., and R. N. Clifton, to The Cincinnati Milling Machine Co. Broaching tool. 2,998,634, 9–5–61, Cl. 29—95.1.
Raehs, Wilhelm, to C. Ficuciaire. Aerosol bomb. 3,009,602, 11–21–61, Cl. 220—67.
Raehs, Wilhelm, and H. Rauchmann, to Lingner-Werke G.m.b.H. Pocket-atomizer. 2,974,879, 3–14–61, Cl. 239—357.
Raether, Louis O., and H. R. Gamrath, to Monsanto Chemical Co. Esterification process comprising reacting a mono olefin with an acid ester. 2,975,210, 3–14–61, Cl. 260—475.
Raether, Louis O., to Monsanto Chemical Co. Resinous composition comprising a vinyl halide polymer and a nitroethylbenzene. 3,010,931, 11–28–61, Cl. 260—32.4.
Raetz, Paul, to Kohlenscheidungs-Gesellschaft, m.b.H. Beater mill. 2,985,390, 5–23–61, Cl. 241—186.
Raetzsch, Carl W.: *See*—
Broun, Thorowgood T., Jr., Mares, and Raetzsch. 2,993,760.
Raffaelli, Joseph G., to General Controls Co. Vane controlled transistor oscillator. 2,985,848, 5–23–61, Cl. 331—117.
Raffaeta, Renato. Continuous purification and decolorizing of oils. 2,980,717, 4–18–61, Cl. 260—428.
Raffaeta, Renato. Process for deodorizing edible liquid fats. 2,991,298, 7–4–61, Cl. 260—428.
Raffel, Bernard D., to Goodyear Aircraft Corp. Method of making tubular structures of laminated fibrous material. 2,967,796, 1–10–61, Cl. 154—83.
Raffelson, Harold, to Monsanto Chemical Co. Method of making cyanoacetic acid esters. 2,985,682, 5–23–61, Cl. 260—464.
Raffelson, Harold, M. E. Mayberry, and C. A. Hochwalt, to Monsanto Chemical Co. Preparation of halogenated esters of phosphoric acids. 3,010,988, 11–28–61, Cl. 260—461.

Raffensperger, Stanley P., and R. D. Vogt, to General Foods Corp. Stabilization of grape flavored soft drink mixes containing methyl anthranilate. 3,005,715, 10–24–61, Cl. 99—78.
Raffensperger, Stanley P., and T. T. Takashima, to General Foods Corp. Fumaric acid composition. 3,009,810, 11–21–61, Cl. 99—78.
Raffensperger, Stanley P., and T. T. Takashima, to General Foods Corp. Adipic acid composition. 3,009,811, 11–21–61, Cl. 99—78.
Rafferty, Alphonsus W., ½ to H. L. Smith. Boot and overshoe rack. 2,990,960, 7–4–61, Cl. 211—35.
Raffinerie Tirlemontoise: *See*—
Welstein, Michel. 2,991,202.
Raffenbeul, Gustav: *See*—
Berning, Alfred, and Schuster. 2,977,060.
Rafoth, Bennie A.: *See*—
Armstrong, James W., and Rafoth. 2,981,456.
Rafter, Louis J., Jr. Display lighting apparatus. 3,002,174, 9–26–61, Cl. 339—119.
Raftis, Spiros G. Collapsible valve apparatus. 2,995,335, 8–8–61, Cl. 251—5.
Ragan, Ralph. Spinning and twisting ring. 2,995,004, 8–8–61, Cl. 57—120.
Ragan, Randall C., to Gladding McBean & Co. Method for continuous manufacture of ceramic sheets. 3,007,222, 11–7–61, Cl. 25—156.
Ragan, Robert O., and M. A. Snyder, to Chicago Carton Co. Camera. 3,005,391, 10–24–61, Cl. 95—11.
Ragan, Robert O., and R. F. Trant, to Chicago Carton Co. Metal foil bonding. 3,013,923, 12–19–61, Cl. 117—37.
Ragborg, William H., to Dow Corning Corp. Siloxane composition for damping devices. 2,990,373, 6–27–61, Cl. 252—75.
Rager, Donald M., Jr., to General Dynamics Corp. Electronic switching telephone system. 2,968,697, 1–17–61, Cl. 179—18.
Ragni, Victor F., to Sperry Rand Corp. Range-height multiplier. 2,995,743, 8–8–61, Cl. 343—11.
Ragon, Eleanor: *See*—
Scalzitti, Edward, and Ragon. 2,978,713.
Ragone, David V., to Harry W. Dietert Co. Method and apparatus for determining the fluidity of molten metal. 2,995,029, 8–8–61, Cl. 73—54.
Ragsdale, Clifford A. Thermocouple tube and protective coating. 3,010,480, 11–28–61, Cl. 138—89.
Ragsdale, La Verne B., to General Motors Corp. Cage and bearing assembly for seat adjuster slide structures. 2,970,015, 1–31–61, Cl. 308—6.
Ragsdale, La Verne B., to General Motors Corp. Hinge counterbalance and hold-open. 2,997,733, 8–29–61, Cl. 16—146.
Rahaim, Thomas J., and K. L. Reike, to Westinghouse Electric Corp. Turbine apparatus. 3,007,308, 11–7–61, Cl. 60—39.32.
Rahlfs, Erich, W. Thraum, and G. Henrich, to Farbenfabriken Bayer Aktiengesellschaft. Method of preparing hydrazine salts. 3,010,790, 11–28–61, Cl. 23—117.
Raichle, Karl: *See*—
Biedermann, Wolfgang, Raichle, and Schnell. 2,985,666.
Raifsnider, Harold S. Indicating dial bore cages. 2,968,102, 1–17–61, Cl. 33—178.
Raifsnider, Philip J., to Shell Oil Co. Vapor phase corrosion inhibition. 2,986,447, 5–30–61, Cl. 21—2.5.
Rail-Trailer Co., The: *See*—
Fernandes, Charles L. 3,000,666.
Railoc Co., Inc.: *See*—
Behl, Alan. 2,998,647.
Railex Corp.: *See*—
Rutkovsky, Abraham and S. 3,010,584.
Railroad Research Corp.: *See*—
Schneider, Joseph A. 3,008,739.
Railroad Rubber Products, Inc.: *See*—
Moses, Nelson K. 2,996,256.
Railsback, Henry E., and Q. L. Morris, to Phillips Petroleum Co. Process of preparing coated, laminated, and sized articles and products produced thereby. 3,013,926, 12–19–61, Cl. 156—331.
Railway Car Equipment Co.: *See*—
McGrath, John R. 3,008,780.
Raimo, Anthony S. Pill dispenser. 3,004,566, 10–17–61, Cl. 141—18.
Rain Jet Corp.: *See*—
Hruby, John O., Jr. 2,974,877.
Hruby, John O., Jr. 2,981,481.
Hruby, John O., Jr. 3,000,575.
Raine, Frederick C., to Archdale, James & Co. Ltd. Drilling machines and the like. 2,992,570, 7–18–61, Cl. 77—5.
Raine, Raymond A., to Armour and Co. Grinder for involute bacon knife. 2,978,848, 4–11–61, Cl. 51—247.
Raine, Thomas, and J. A. Robinson, to Associated Electrical Industries Ltd. Zirconium alloys. 3,004,849, 10–17–61, Cl. 75—177.
Raines, Carrol V. Bicycle exercise device. 2,972,478, 2–21–61, Cl. 272—73.
Raines, Edward E., and H. R. Cook, to General Dynamics Corp. Cutting apparatus. 2,987,971, 6–13–61, Cl. 90—13.2.
Rainey, Horace S. Fishing device. 3,000,129, 9–19–61, Cl. 43—19.
Rainey, James L.: *See*—
Boettner, Fred E., and Rainey. 2,982,737.
Rains, David, and R. M. Dulin, Jr. Golf putter. 2,998,254, 8–29–61, Cl. 273—171.
Rains, Dean A.: *See*—
Stoner, Willis A., and Rains. 2,985,108.
Rainwater, Julius H., to The Warren Co., Inc. Walk-in cooler apparatus. 2,984,085, 5–16–61, Cl. 62—256.
Rainwater, Julius H., to The Warren Co., Inc. Island type refrigerated display case. 3,009,333, 11–21–61, Cl. 62—256.
Raion Hamigaki Kabushiki Kaisha (Lion Dentifrice Co., Ltd.): *See*—
Matsumura, Teruo, Iwasaki, and Okumura. 2,975,102.
Raisbeck, Gordon: *See*—
Hines, Marion E., and Raisbeck. 2,997,519.
Raisbeck, Gordon, to Bell Telephone Laboratories, Inc. Smoothing of rectangular waves. 3,014,985, 12–26–61, Cl. 179—1.
Raistrick, Bernard, to Scottish Agricultural Industries Ltd. Apparatus for granulating fertilizer material. 3,011,876, 12–5–61, Cl. 23—259.1.
Raits, Edward J.: *See*—
Mason, Roger H., and Raits. 2,980,898.
Raitzyn, Isidor: *See*—
Wetroff, Georges, and Raitzyn. 2,983,695.
Raizner, Friedrich: *See*—
Eckert, Wilhelm, Fuchs, Raizner, and Rentel. 2,994,697.
Rajchman, Jan A.: *See*—
Zworykin, Vladimir K., Rajchman, and Ramberg. 2,989,582.
Rajchman, Jan A., to Radio Corp. of America. Magnetic systems. 2,994,067, 7–25–61, Cl. 340—174.
Rajchman, Jan A., and G. W. Brown, to Radio Corp. of America. Electronic digital binary computer. 2,968,439, 1–17–61, Cl. 235—175.
Rajchman, Jan A., and A. W. Lo, to Radio Corp. of America. Magnetic control systems. 2,994,069, 7–25–61, Cl. 340—174.
Rakus, Jozef M. Rotary plug valve. 2,986,374, 5–30–61, Cl. 251—317.
Raley, Charles F., Jr., and W. R. Nummy, to The Dow Chemical Co. Self-extinguishing alkenyl polymer compositions containing polybromo cyclohexanes. 3,004,935, 10–17–61, Cl. 260—2.5.
Raley, John H.: *See*—
Hodgson, Russell L., and Raley. 2,994,726.
Raley, John H., and L. H. Slaugh, to Shell Development Co. Production of primary alkylaromatics from secondary and tertiary alkyl aromatics. 2,993,939, 7–25–61, Cl. 260—668.
Rall, Dieter L., and W. H. Giedt, to American Radiator & Standard Sanitary Corp. Thermocouple. 2,997,513, 8–22–61, Cl. 136—4.
Rall, John E.: *See*—
Pearson, John L., and Rall. 2,992,698.
Ralls, Jack W., to California Research Corp. Polymerization of olefins. 2,980,660, 4–18–61, Cl. 260—93.5.
Ralph, Eugene L.: *See*—
Matlow, Sheldon L., and Ralph. 2,984,775.
Ralph, Frederick W., to Witton-James Ltd. Web tension control. 2,979,280, 4–11–61, Cl. 242—75.42.
Ralph, Harold J. Bib with pocket. 3,010,111, 11–28–61, Cl. 2—49.
Ram Inc.: *See*—
Blackburn, Andrew R., and Steele. 3,005,733.
Blackburn, Andrew R., and Steele. 3,010,176.
Ramadanoff, Dimiter, to Union Carbide Corp. Electrical contact brush for high altitude use. 2,989,490, 6–20–61, Cl. 252—503.
Ramaker, Donald, to United Aircraft Corp. Propeller control apparatus. 2,990,888, 7–4–61, Cl. 120—135.29.
Raman, Harvey P.: *See*—
Hart, Richard D., and Raman. 3,013,873.
McLane, Stanley R., Bishop, and Raman. 3,014,063.
Rambausek, Hugo. Multi-speed transmission with only two overrunning clutches, particularly for vehicles. 2,991,661, 7–11–61, Cl. 74—330.
Ramberg, Edward G.: *See*—
Zworykin, Vladimir K., Rajchman, and Ramberg. 2,989,582.
Ramberg, Edward G., to Radio Corp. of America. Cathode-ray tubes of the lenticular grill variety. Re. 25,091, 11–28–61, Cl. 315—17.
Ramberg, Einar M., and H. W. La Rose, Jr., to Titeflex, Inc. Reuseable fitting for braid-covered hose. 2,973,975, 3–7–61, Cl. 285—149.
Rambo, Sheldon I.: *See*—
Bronstein, Jacob, and Rambo. 2,984,741.
Rambo, William H. Methods and mechanisms for accumulating a predetermined number of units delivered at random intervals thereto. 2,998,133, 8–29–61, Cl. 209—90.
Ramer, Edward L., to Hercules Powder Co. Static resistant electric initiator. 2,974,590, 3–14–61, Cl. 102—28.
Ramer, Le Roy F. Belt conveyors. 2,999,582, 9–12–61, Cl. 198—192.
Ramey, David E., and M. Silverman, to Shell Oil Co. Thiourea fungicides. 3,006,808, 10–31–61, Cl. 167—30.
Ramey, David E., and M. Silverman, to Shell Oil Co. Urea and thiourea compounds. 3,006,954, 10–31–61, Cl. 260—552.
Ramey, David E., W. J. Hughes, and J. Van Overbeek, to Shell Oil Co. Herbicidal method employing dinitropolyalkyl benzenes. 3,012,869, 12–12–61, Cl. 71—2.3.
Ramey, Joan G. Fur storage appliance. 3,001,380, 9–26–61, Cl. 62—261.

Ramey, Robert A., Jr. Magnetic amplifier control circuit. Re. 25,038, 9–19–61, Cl. 307—88.
Ramien, Wolfgang, to Prameta Prazisionsmetall-und Kunststofferzeugnisse G. Baumann & Co. Tool for attaching hinges to windows, doors, gates and the like. 2,966,815, 1–3–61, Cl. 77—62.
Ramirez, Eliseo L. Sole assembly for footwear. 3,012,342, 12–12–61, Cl. 36—3.
Ramirez, Ernest R., and E. F. Barkman, to Reynolds Metals Co. Electrolytic means for treating metal. 2,974,097, 3–7–61, Cl. 204—206.
Ramirez, Ernest R., and E. F. Barkman, to Reynolds Metals Co. Conditioning and anodizing system. 2,995,502, 8–8–61, Cl. 204—15.
Ramirez, Miguel A., Sr. Machine for processing dough products. 2,980,012, 4–18–61, Cl. 99—353.
Ramm, Joseph L., to Johns-Manville Corp. Shingle feeding apparatus. 2,989,306, 6–20–61, Cl. 271—5.
Rammel, Gerald E.: *See*—
Gagnon, Roland K., and Rammel. 2,993,872.
Ramnisceanu, Tiberiu J., to Autocopter Corp. of America. Airship with feathering paddle wheels. 2,990,139, 6–27–61, Cl. 244—20.
Ramos, Joe, and W. F. Hower, to Gulf Research & Development Co. Method of reducing the permeability of underground formations. 3,004,598, 10–17–61, Cl. 166—29.
Ramp, Floyd L.: *See*—
Dannis, Mark L., and Ramp. 2,996,489.
Ramp, Herbert O., and H. Schmidl, to United States of America, Army. Frequency shift measuring device. 2,991,416, 7–4–61, Cl. 324—79.
Rampe, John F. Variable pitch sheave. 3,010,333, 11–28–61, Cl. 74—230.17.
Ramponneau, Pierre: *See*—
Latour, André, Pelenc, and Ramponneau. Re. 25,089.
Ramsa, Alexander P.: *See*—
Jacobs, Harold, and Ramsa. 2,985,757.
Ramsay, John F., to Marconi's Wireless Telegraph Co. Scanning antenna system utilizing polarization filters. 2,989,746, 6–20–61, Cl. 343—761.
Ramsay, Julius M., Jr., to Burlington Industries, Inc. Display package for hosiery and method. 3,003,624, 10–10–61, Cl. 206—46.
Ramsay, William G., to Westinghouse Electric Corp. Unloaders for refrigerant compressors. 2,991,924, 7–11–61, Cl. 230—31.
Ramsden, Hugh E., to Metal & Thermit Corp. Chemical process and product. 3,010,979, 11–28–61, Cl. 260—429.7.
Ramsden, Hugh E., to Metal & Thermit Corp. Vinylarsenic and antimony compounds and methods of preparation therefor. 3,010,983, 11–28–61, Cl. 260—440.
Ramsden, Hugh E., to Metal & Thermit Corp. Vinylic aluminum compounds and process of preparing same. 3,010,985, 11–28–61, Cl. 260—448.
Ramseur, Vardry D., Jr.: *See*—
Miller, William N., Jr., and Ramseur. 2,993,289.
Ramsey, Arthur C. Lawn sprinkling assembly. 2,983,451, 5–9–61, Cl. 239—203.
Ramsey, Cecil V. and N. E. Vibrating structure for concrete pipe forming machine. 3,012,298, 12–12–61, Cl. 25—30.
Ramsey Corp.: *See*—
Bramberry, Harry M., and Lux. 2,985,054.
Marien, Melvin W. Re. 24,930.
Ramsey, James C. Arrow holder. 2,969,898, 1–31–61, Cl. 224—1.
Ramsey, Justin H. Vulcanizing chamber seal. 2,991,501, 7–11–61, Cl. 18—6.
Ramsey, Neuman E.: *See*—
Ramsey, Cecil V. and N. E. 3,012,298.
Ramsey, Vernon E.: *See*—
Roberts, John H. 2,971,665.
Ramsey, William R., to Western Electric Co., Inc. Clamping devices for holding workpieces. 2,976,776, 3–28–61, Cl. 90—60.
Ramstrom, Lee W,: *See*—
Gattiker, Albert F., Jr., and Ramstrom. 2,990,812.
Spyridakis, Emanuel G., and Ramstrom. 3,011,479.
Ramundt, Heinz J.: *See*—
Konrad, Jakob, Ramundt, and Betz. 2,993,487.
Ranalli, Franco, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Isotactic polypropylene-polyisobutene blend and method for making same. 2,993,028, 7–18–61, Cl. 260—45.5.
Ranby, Peter W., to Thorn Electrical Industries Ltd. Tin and manganese activated pyrophosphate phosphors. 3,013,979, 12–19–61, Cl. 252—301.4.
Ranby, Peter W., to Thorn Electrical Industries Ltd. Alkaline earth halophosphate phosphors. 3,014,874, 12–26–61, Cl. 252—301.4.
Ranby, Peter W., and D. R. Palowkar, to Thorn Electrical Industries Ltd. Luminescent materials. 3,014,877, 12–26–61, Cl. 252—301.4.
Rance, Herbert F., M. B. Baggallay, and W. F. E. Robinson, to Bertrams Ltd. Paper making machines. 2,990,013, 6–27–61, Cl. 162—307.
Ranchers Cotton Oil: *See*—
Cavanagh, George C., and Bean. 2,980,718.
Ranck, Jack M., to Panhandle Eastern Pipe Line Co., Inc. Automatic control for engine mixtures and speed. 2,972,988, 2–28–61, Cl. 123—120.
Ranco Inc.: *See*—
Greenawalt, Frederick A. 2,973,644.
Greenawalt, Frederick A. 2,976,701.
Greenawalt, Frederick A., and Raney. 2,983,286.
Hickle, Clyde S., and Hover. 2,980,779.
Raney, Estel C. 2,968,167.
Raney, Estel C. 2,969,087.
Saliaris, George P. 2,973,903.
Salter, James A. 2,969,655.
Rand, Alonzo C., Jr., to United States of America, Atomic Energy Commission. System for unloading reactors. 2,982,711, 5–2–61, Cl. 204—193.2.
Rand, Burton, to Autosonics Inc. Cleaning apparatus. 3,011,500, 12–5–61, Cl. 134—69.
Rand, Burton, to Autosonics, Inc. Cleaning apparatus and process. 3,011,924, 12–5–61, Cl. 134—12.
Rand Corp., The: *See*—
Huth, John H. 2,993,945.
Rand D Corp.: *See*—
Greenspon, Seymour A. 2,983,247.
Rand Development Corp.: *See*—
Jayne, Theodore D. 2,996,793.
Rand, Edward H., to Rand Rubber Co., Inc. Process for manufacture of baby pants. 2,976,199, 3–21–61, Cl. 154—85.
Rand, Philip S.: *See*—
Perez, Guillermo, Rand, and Randmer. 3,003,633.
Rand, Philip S., to Sperry Rand Corp. Record sensing means. 3,011,703, 12–5–61, Cl. 235—61.11.
Rand Rubber Co., Inc.: *See*—
Rand, Edward H. 2,976,199.
Randak, Edward F., Sr. Disposable ash receiver. 2,990,100, 6–27–61, Cl. 229—53.
Randall, David I.: *See*—
Mautner, Henry R., and Randall. 2,992,062.
Taras, John, and Randall. 3,009,919.
Randall, David I., and W. Schmidt-Nickels, to General Aniline & Film Corp. Derivatives of dinaphtho furan-dione. 2,967,870, 1–10–61, Cl. 260—346.2.
Randall, David I., and W. Schmidt-Nickels, to General Aniline & Film Corp. Naphthofuranedione vat dyestuffs. 2,976,287, 3–21–61, Cl. 260—249.6.
Randall, David I., and W. Schmidt-Nickels, to General Aniline & Film Corp. Heterocyclic dyestuff intermediates. 2,979,515, 4–11–61, Cl. 260—346.2.
Randall, David I, J. Taras, and T. A. Martin, to General Aniline & Film Corp. Preparation of grey to black dyestuffs. 2,980,709, 4–18–61, Cl. 260—354.
Randall, Frank E.: *See*—
Smith, Lester L., and Randall. 3,010,199.
Randall, Grant M.: *See*—
Kerber, Stanley M., Randall, and Zemke. 2,980,911.
Randall, John M.: *See*—
Morgan, Arthur I., Jr., and Randall. 2,976,158.
Morgan, Arthur I., Jr., Randall, and Graham. 2,967,109.
Randall, Joseph E.: *See*—
Cabell, Norman W., and Randall. 2,970,360.
Randall, Madeline M. Miniature animal forms. 2,972,835, 2–28–61, Cl. 46—162.
Randall, Noble L. Hinged mounting brackets. 2,971,666, 2–14–61, Cl. 220—3.6.
Randall, Ralph S. Bag filling machine. 2,973,610, 3–7–61, Cl. 53—188.
Randall, Ralph S. Bagging and packaging machine. 2,986,858, 6–6–61, Cl. 53—67.
Randall, Ralph S. Vacuum bag sealing machine. 2,991,609, 7–11–61, Cl. 53—371.
Randall, Richard C.: *See*—
Urban, John A., and Randall. 3,001,451.
Urban, John A., and Randall. 3,001,452.
Randall, Ross D., to Stewart-Warner Corp. Free piston engine with rotating pistons. 2,995,122, 8–8–61, Cl. 123—46.
Randall, Roy H. Speed control unit. 2,987,925, 6–13–61, Cl. 73—507.
Randall, Walter H., and U. H. Despres, to Keyes Fibre Co. Molded pulp carton. 2,979,245, 4–11–61, Cl. 229—2.5.
Randall, Walter H., and R. L. Emery, to Keyes Fibre Co. Method of making molded pulp articles. 2,986,490, 5–30–61, Cl. 162—222.
Randall, Walter H., and R. L. Emery, to Keyes Fibre Co. Pulp molding apparatus. 3,001,581, 9–26–61, Cl. 162—377.
Randell, Geoffrey E. C., and H. M. Whitworth, to Woodall-Duckham Construction Co. Ltd. Charging horizontal coke ovens. 2,981,423, 4–25–61, Cl. 214—18.
Randell, Geoffrey E. C., H. M. Whitworth and J. Holme, to Woodall-Duckham Construction Co. Ltd. Cleaning of sealing surfaces for doors on the door frames of horizontal coke ovens. 2,986,758, 6–6–61, Cl. 15—93.
Randels, Robert B., to Corning Glass Works. Electrical condensers and their manufacture. 2,978,789, 4–11–61, Cl. 29—25.42.
Randise, Dominick, to Sperry Rand Corp. Sweep generator. 2,999,174, 9–5–61, Cl. 307—88.5.
Randle, John E., and D. C. Talboys, to Automotive Products Co. Ltd. High pressure flexible hose. 3,011,525, 12–5–61, Cl. 138—126.
Randles, Arthur E., Jr. Egg carton closing machine. 2,998,688, 9–5–61, Cl. 53—376.
Randmer, Jacob A.: *See*—
Perez, Guillermo, Rand, and Randmer. 3,003,633.
Randol, Glenn T., 50% to Hamill-Markus Industries, Inc. Power-assisted operating mechanism for hydraulic pressure systems. 2,968,926, 1–24–61, Cl. 60—54.6.

Randol, Glenn T. Torque-actuated brake booster for motor vehicles. 2,968,962, 1-24-61, Cl. 74—89.

Randol, Glenn T. Auxiliary disengaging mechanism for automotive clutches. 2,969,052, 1-24-61, Cl. 123—179.

Randol, Glenn T., 50% to Hamill Markus Industries, Inc. Control valve adapted for pressure differential servomotor use. 2,972,339, 2-21-61, Cl. 121—46.5.

Randol, Glenn T. Master cylinder for hydraulic brake systems. 2,977,767, 4-4-61, Cl. 60—54.6.

Randol, Glenn T. Pressure differential operated brake booster mechanism. 2,977,935, 4-4-61, Cl. 121—41.

Randol, Glenn T., 50% to Hamill-Markus Industries, Inc. Control valve adapted for vacuum-power steering use. 2,985,146, 5-23-61, Cl. 121—46.5.

Randol, Glenn T., 50% to Hamill-Markus Industries, Inc. Pneumatically-actuated assistor for vehicular steering systems. 3,000,457, 9-19-61, Cl. 180—79.2.

Randol, Glenn T. Control valve adapted for vacuum-power steering use. 3,009,481, 11-21-61, Cl. 137—622.

Randol, Glenn T. Pneumatically-actuated booster for vehicular steering systems. 3,014,460, 12-26-61, Cl. 121—48.

Randolph, Arthur J., to California Wood Products, Inc. Grid assembling machine. 2,967,552, 1-10-61, Cl. 144—2.

Randolph, Clifton R. Watt-hour meter testing circuit. 2,989,696, 6-20-61, Cl. 324—74.

Randolph, Donald W., to Structural Fibers, Inc. Method of making impregnated glass fiber articles. 2,977,268, 3-28-61, Cl. 154—83.

Randolph, Donald W., to Structural Fibers, Inc. Impregnated glass fiber tanks. 3,010,602, 11-28-61, Cl. 220—83.

Randolph, Harry B. Garden tools. 2,969,120, 1-24-61, Cl. 172—371.

Randolph, William C.: *See*—
Menge, Theodore L., Sr. 2,972,910.

Randolph, Woodruff, C. N. Brewer, and C. O. Goss, to International Typographical Union of North America. Line-up table having an angularly adjustable work surface. 2,968,115, 1-17-61, Cl. 45—131.

Randrup, Ben. Yieldable, stabilizing, body suspension system. 3,007,711, 11-7-61, Cl. 280—104.

Ranerie Tirlemontoise: *See*—
Delacroix, Baudouin. 2,996,413.

Raney, Arthur H.: *See*—
Neighorn, Roy G., and Raney. 3,005,566.

Raney, Arthur H., to Omark Industries, Inc. Saw chain having cutter inserts. 2,978,000, 4-4-61, Cl. 143—135.

Raney Catalyst Co., Inc.: *See*—
Raney, Murray. 2,977,327.

Raney, Estel C.: *See*—
Greenawalt, Frederick A., and Raney. 2,983,286.

Raney, Estel C., to Ranco Inc. Defroster control. 2,968,167, 1-17-61, Cl. 62—156.

Raney, Estel C., to Ranco Inc. Valve mechanism. 2,969,087, 1-24-61, Cl. 137—609.

Raney, Murray, to Raney Catalyst Co., Inc. Process of producing nickel catalysts. 2,977,327, 3-28-61, Cl. 252—472.

Raney, Robert W. Hitch assembly. 3,008,732, 11-14-61, Cl. 280—412.

Raney, Russell R., T. Stott, P. A. Luthman, and J. E. Richards, to Avco Mfg. Corp., New Idea Division. Pelleting apparatus. 2,987,987, 6-13-61, Cl. 100—98.

Raney, William E. Boring tool or the like. 2,993,391, 7-25-61, Cl. 77—33.5.

Raney, William E., and M. J. Siebert. Fish tape leader. 2,980,398, 4-18-61, Cl. 254—134.3.

Rangabe, Alexander R., to The Plessey Co., Ltd. Electrode systems for electronic valves. 2,979,600, 4-11-61, Cl. 219—127.

Ranger, Arthur W., to Schnellpressenfabrik Aktiengesellschaft Heidelberg. Sheet handling device for printing machines. 2,988,357, 6-13-61, Cl. 271—82.

Ranhagen, Ernst G. R., to Aktiebolaget Celleco. Impregnation of wood chips. 2,985,236, 5-23-61, Cl. 162—237.

Rankin, Albert M.: *See*—
Nielsen, James S., and Rankin. 3,004,477.

Rankin, Andrew W., E. E. Zwicky, Jr., and A. W. Wheeler, Jr., to General Electric Co. Turbine bucket retaining means and sealing assembly. 2,974,924, 3-14-61, Cl. 253—39.

Rankin, Andrew W., and C. R. Ernest, Jr., to General Electric Co. Turbine bucket retaining means. 3,014,695, 12-26-61, Cl. 253—77.

Rankin, Arthur L., Jr., to Cavalier Corp. Electric space heater. 2,995,645, 8-8-61, Cl. 219—34.

Rankin, Edward E., Jr., to Halliburton Co. Radioactivity well logging system. 2,998,521, 8-29-61, Cl. 250—83.6.

Rankin, Eugene E.: *See*—
Foote, Jerry J., Mustard, and Rankin. 3,004,406.

Rankin, James W., Jr.: *See*—
Villani, Antonio, and Rankin. 2,971,542.
Villani, Antonio, and Rankin. 2,990,856.

Rankin, William W., H. K. Townsley, and T. A. Feild, Jr., to Union Carbide Corp. Method of treating pile fabrics. 2,970,362, 2-7-61, Cl. 26—2.

Rankl, Radomir, to H. List. Valve. 2,988,080, 6-13-61, Cl. 123—188.

Ranky, Bela, to Panoramic Radio Products, Inc. Harmonic spectrum analyzer. 2,971,152, 2-7-61, Cl. 324—57.

Ranney Method Water Supplies, Inc.: *See*—
D'Audiffret, Adolph A., Reimund, and Lavely. 2,969,840.

Ranney, Neil J., to Wean Equipment Corp. Work-positioning mechanism. 2,986,075, 5-30-61, Cl. 90—59.

Ranney Refrigerator Co.: *See*—
Rackliffe, David A. 2,973,998.

Ranney, Rufus P.: *See*—
Guerard, Albert S., Jr., Ranney, Reese, and MacDonald. 2,983,324.
Reese, Donald H., and Ranney. 2,983,089.

Ransburg Electro-Coating Corp.: *See*—
Badger, David H. 2,989,241.
Curtis, Norman S. Re. 24,961.
Juvinall, James W. 2,996,042.
Juvinall, James W. 3,009,441.
Juvinall, James W. 3,009,442.
Thornberry, Richard T. 2,993,808.

Ranseen, Agnes J.: *See*—
Ranseen, Emil L. 3,005,118.

Ranseen, Emil L.: *See*—
Banning, Thomas A., Jr., and Ranseen. 2,976,354.

Ranseen, Emil L., deceased, A. J. Ranseen, executrix; to said A. J. Ranseen, by decree of distribution. Electric motors. 3,005,118, 10-17-61, Cl. 310—49.

Ransom, Clark W. Nursing nipple and cap. 2,987,208, 6-6-61, Cl. 215—11.

Ransom, George P.: *See*—
Haefner, Raymond J., and Ransom. 2,997,992.

Ransom, John E., to Mechanex Corp. Tire valve stem holder. 2,984,283, 5-16-61, Cl. 152—427.

Ransom, Richard S., to Short Brothers & Harland Ltd. Pivot assemblies. 2,984,113, 5-16-61, Cl. 74—5.

Ransom, Richard S., and H. W. Finnigan, to Short Brothers and Harland Ltd. Guided missiles. 2,972,456, 2-21-61, Cl. 244—14.

Ransom, Richard S., and A. J. Dunn, to Short Bros. and Harland Ltd. Gyroscopes. 3,012,439, 12-12-61, Cl. 74—5.12.

Ransom, Richard S., and M. F. Wilson, to Short Brothers and Harland Ltd. Containers for rocket-propelled and other missiles. 3,014,411, 12-26-61, Cl. 89—1.7.

Ransom, Robert B., to Norfolk Products Corp. Plug cutter. 2,978,002, 4-4-61, Cl. 145—120.

Ransom, Robert B., to Norfolk Products Corp. Drill with chip remover. 2,981,127, 4-25-61, Cl. 77—67.

Ransom, Robert B., to Norfolk Products Corp. Depth stop for a boring tool. 3,000,239, 9-19-61, Cl. 77—55.

Ransom, William R., Jr., to United States Steel Corp. Vehicle mounted dispenser for charging explosive mixtures in blast holes. 3,005,373, 10-24-61, Cl. 86—20.

Ranson, Charles W. Helicopter lifting rotor having a propulsion unit at the blade tip. 2,984,304, 5-16-61, Cl. 170—135.4.

Ranson, Charles W. Aircraft lifting rotor with rotary valve ram jet engine having explosion cycle. 2,984,305, 5-16-61, Cl. 170—135.4.

Rantsch, Kurt, to M. Hensoldt & Sohne Optische Werke A.G. Reading device for measuring scales. 2,978,953, 4-11-61, Cl. 88—24.

Rantsch, Kurt, to M. Hensoldt & Sohne Optische Werke A.G. Optical device for correct adjustment and reading of the slidable displacement of a carriage. 3,007,249, 11-7-61, Cl. 33—147.

Rao, Pemmaraju N. Manufacture of 19-nortestosterone-17-propionate. 3,014,933, 12-26-61, Cl. 260—397.4.

Rapacz, Raymond, to Sperry Rand Corp. Digital-to-analogue converter. 3,004,251, 10-10-61, Cl. 340—347.

Rapata, George M., to Illinois Tool Works. Plastic anchor member having a transverse screw receiving bore. 2,974,703, 3-14-61, Cl. 151—41.75.

Rapata, George M., to Illinois Tool Works. Stud and dished plastic fastening element. 3,009,381, 11-21-61, Cl. 85—7.

Raphael, Thomas: *See*—
Lindstrom, Richard S., and Raphael. 3,003,911.

Rapids-Standard Co., Inc., The: *See*—
De Good, Maynard, and Filkins. 3,010,409.
McKnight, Robert J., and Swezey. 2,985,278.
Poel, Norman C., Baxter, and McKnight. 3,000,489.
Poel, Norman C., Olk, and McGow. 3,012,652.
Sebastian, James R. 3,000,490.
Woldring, Egbert. 2,970,016.
Woldring, Egbert, and Weltevrede. 2,969,863.

Rapkin, Edward, to Armour and Co. Preparation of anorganic bone. 2,968,593, 1-17-61, Cl. 167—74.

Rapoport, Lorence: *See*—
Frazza, Everett J., and Rapoport. 2,992,223.
Frazza, Everett J., and Rapoport 3,001,995.

Rapp, Donald E.: *See*—
Monroe, Roger F., and Rapp. 2,997,507.

Rapp, Edward G.: *See*—
Kresse, Arthur O., and Rapp. 2,988,431.

Rapp, Raymond I., ½ to W. R. Peterson. Method of making envelopes. 2,969,003, 1-24-61, Cl. 93—63.

Rapp, Robert P. Hoe blade and handle attachment. 2,976,938, 3-28-61, Cl. 172—376.

Rappa, Stanley: *See*—
Shevick, Philip, Meeder, and Rappa. 2,998,527.

Rappaport, Bernard B. Meat roasting spit arrangement. 3,010,385, 11-28-61, Cl. 99—421.

Rappaport, Paul: *See*—
Collins, Warren T., and Rappaport. 2,998,550.

Rappaport, Paul, to Radio Corp. of America. Self-powered semiconductive device. 2,976,426, 3-21-61, Cl. 307—88.5.

Rappaport, Paul, and J. J. Loferski, to Radio Corp. of America. Radiation detection. 2,975,286, 3–14–61, Cl. 250—83.3.

Rappaport, Paul, and J. J. Loferski, to Radio Corp. of America. Radioactive battery employing semiconductors. 2,976,433, 3–21–61, Cl. 310—3.

Rappaport, Sigmund, L. O. Bumas, and W. G. Hampton, to Sperry Rand Corp., Ford Instrument Co. Division. Pressure sensitive contour follower. 2,982,899, 5–2–61, Cl. 318—162.

Rappaport, Sigmund, and J. Kallenberg, to Sperry Rand Corp., Ford Instrument Co. Division. High accuracy ball and disc integrator. 2,985,026, 5–23–61, Cl. 74—198.

Rappaport, Sigmund, and V. H. Seliger, to Sperry Rand Corp., Ford Instrument Co. Division. Automatic mechanical gear tooth counter. 3,006,545, 10–31–61, Cl. 235—91.

Rappaport, Sigmund, and H. Stuber, to Sperry Rand Corp., Ford Instrument Co. Division. Gear tooth counter. 3,012,720, 12–12–61, Cl. 235—92.

Rappas, James A. Molding with a flexible chamfer strip. 2,985,938, 5–30–61, Cl. 25—155.

Rapplean, Eugene L., to ACF Industries, Inc. Carburetor. 2,995,350, 8–8–61, Cl. 261—41.

Rapplean, Eugene L., W. E. Highley, and M. E. Fuchs, to ACF Industries, Inc. Automatic choke for small carburetors. 2,979,047, 4–11–61, Cl. 123—119.

Rarey, Robert S., to Chrysler Corp. Combination intake manifold and tappet cover gasket. 2,991,774, 7–11–61, Cl. 123—55.

Rasche, Manfred: *See*—
Evers, Dietrich, Gumprecht, and Rasche. 3,011,007.

Raschig, Dr. F., G.m.b.H. Chemische Fabrik: *See*—
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Mathes, Wilhelm, and Sauermilch. 3,008,963.

Rasdal, Tarik M.: *See*—
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Rasero, Lawrence J., to The Russell Mfg. Co. Power transmission and conveyor belt and method of making same. 2,983,304, 5–9–61, Cl. 154—4.

Rash, Albert, and L. K. Ballard, ⅛ to O. C. Williams. Overflow catcher for effervescent fluid containers. 3,006,501, 10–31–61, Cl. 220—85.

Raskhodoff, Nicholas M., and A. G. Lowell, said Lowell, assor., to United States of America, Navy. Adjustable slit. 2,998,730, 9–5–61, Cl. 74—89.

Rasmussen, Albert C., and J. L. Stroud. Hydraulically operated ratchet wrench. 2,983,172, 5–9–61, Cl. 81—58.1.

Rasmussen, Arne P.: *See*—
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Rasmussen, Christian O. Washing and drying machine. 2,978,891, 4–11–61, Cl. 68—23.

Rasmussen, Clarence T., and E. F. Wadelton, to Deere & Co. Ditchers. 2,987,837, 6–13–61, Cl. 37—98.

Rasmussen, David H., and G. E. Suderow, to De Long Corp. Jacking mechanism and controls. 2,992,812, 7–18–61, Cl. 254—107.

Rasmussen, Eleanor A. Pie crust forming device. 2,984,193, 5–16–61, Cl. 107—46.

Rasmussen, George, to Hughes Aircraft Co. Digit display indicator. 2,992,364, 7–11–61, Cl. 315—184.

Rasmussen, Harry R., to Aktiebolaget Separator. Method and apparatus for deodorizing liquids. 2,978,327, 4–4–61, Cl. 99—61.

Rasmussen, Harvey J.: *See*—
Rasmussen, Harvey R. and H. J. 3,001,879.
Rasmussen, Harvey R. and H. J. 3,009,457.

Rasmussen, Harvey R. and H. J., to Meat Packers Equipment Co. Treating of food products with smoke. 3,001,879, 9–26–61, Cl. 99—229.

Rasmussen, Harvey R. and H. J., to Meat Packers Equipment Co. Method and apparatus for the production of smoke for food-treating purposes. 3,009,457, 11–21–61, Cl. 126—59.5.

Rasmussen, Ib S. Adjustable blocking machine. 3,002,572, 10–3–61, Cl. 172—109.

Rasmussen, Ole-Bendt. Method of manufacturing non-woven fabrics and yarns. 3,003,304, 10–10–61, Cl. 57—157.

Rasmussen, Walter E., to International Harvester Co. Gear shift mechanism. 2,989,876, 6–27–61, Cl. 74—483.

Rasmussen, William B., ½ to Alvin G. Ash. Metering liquid dispenser. 2,980,302, 4–18–61, Cl. 222—453.

Rasmusson, Donald R., and G. I. Schrank, to Specialties Development Corp. Horn and hose assembly for carbon dioxide fire extinguishing apparatus. 2,985,383, 5–23–61, Cl. 239—288.

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Rast, Frederick Q., to General Time Corp. Adaptor for operating D.-C. timing device on A.-C. supply line. 2,972,222, 2–21–61, Cl. 58—24.

Rast, Wlodzimierz. Expanding tool for pipes. 2,999,529, 9–12–61, Cl. 153—80.

Raszinski, Harvey F. J., to Burton-Dixie Corp. Innerspring mattress or cushion assembly. 2,972,154, 2–21–61, Cl. 5—351.

Ratcliff, Karl A.: *See*—
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Ratcliff, Karl A., to Diamond Laboratories. Injectable veterinary iron compositions. 2,982,690, 5–2–61, Cl. 167—68.

Ratcliff, Ralph A. Load bearing device. 2,967,046, 1–3–61, Cl. 254—167.

Rath, Erich, to Orenstein Koppel und Luebecker Maschinenbau Aktiengesellschaft. Vehicle assemblies. 2,985,115, 5–23–61, Cl. 105—159.

Rath, Erich, and F. Schmalter, to Orenstein Koppel und Lubecker Maschinenbau Aktiengesellschaft. Vehicle assemblies. 3,008,433, 11–14–61, Cl. 105—263.

Rath, Frank E. Process for cleaning and recovering scrap metal from slag and the like. 2,971,703, 2–14–61, Cl. 241—24.

Rath Packing Co., The: *See*—
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Dixon, James L., Witchey, and Rath. 3,009,195.
Gleason, John J. 2,970,055.

Rath, Richard W.: *See*—
Dixon, James L., Witchey, and Rath. 3,009,195.

Rathmann, William G. Fish hook. 2,995,858, 8–15–61, Cl 43—44.8.

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Raths, Fred W., to The Dow Chemical Co. O-nitroalkyl phosphoroamidothioates. 2,975,207, 3–14–61, Cl. 260—461.

Raths, Fred W., to The Dow Chemical Co. O-haloaryl O-fluoroalkyl phosphoroamidothioates. 2,988,566, 6–13–61, Cl. 260—461.

Raths, Wilfred P.: *See*—
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Ratkowski, Thomas A., to American Brake Shoe Co. Grinding mills. 2,998,201, 8–29–61, Cl. 241—183.

Ratliff, Leslie B. Drapery spacer and pleat form. 3,001,578, 9–26–61, Cl. 160—126.

Ratliff, Otho D., Jr.: *See*—
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Ratner, Arthur and M. Semi-trailer body with floor plate fifth wheel unit. 2,970,004, 1–31–61, Cl. 296—28.

Ratner, George I., and R. Slater. Skylight. 2,969,618, 1–31–61, Cl. 50—267.

Ratner, George I., and R. Slater, to The Marco Co. Building panel. 3,014,561, 12–26–61, Cl. 189—34.

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Bruce, Willis N. 2,971,881.
Bruce, Willis N. 2,981,654.
Bruce, Willis N. 2,991,219.
Bruce, Willis N. 2,991,220.

Ratner, Marvin: *See*—
Ratner, Arthur and M. 2,970,004.

Rattenbury, Kenneth H., to Victor Chemical Works. Process for preparing phosphonothioc chlorides and phosphinothioic chlorides and new products produced by said process. 2,993,929, 7–25–61, Cl. 260—543.

Rätz, Rudi F. W., and C. J. Grundmann, to Olin Mathieson Chemical Corp. Method of preparing polymeric phosphonitrilic fluoride. 2,980,495, 4–18–61, Cl. 23—14.

Ratz, Rudi F. W., and E. H. Kober, to Olin Mathieson Chemical Corp. Perfluoroalkyl triazines. 2,981,734, 4–25–61, Cl. 260—248.

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Raub, Samuel H. S.: *See*—
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Raub, Samuel H. S., and W. M. Gaylord, Jr., to Union Carbide Corp. Impingement-type separators. Re. 25,061, 10–24–61, Cl. 183—110.

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Rauch, Paul E. Conduit block making machine. 2,994,936, 8–8–61, Cl. 25—34.

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Raue, Emil J., and H. M. Graham, to General Electric Co. Electrical insulator with compression ring seal. 3,009,-013, 11–14–61, Cl. 174—152.

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Raun, David J. Variable-speed fluid clutch. 2,969,860. 1–31–61, Cl. 192—12.

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Rausch, Curtis D., to Savage Industries, Inc. Voltage controlled oscillator. 2,980,864, 4–18–61, Cl. 331—109.

Rausch, Douglas A., to The Dow Chemical Co. Preparation of 2,3,3,3-tetrafluoropropene. 2,996,555, 8–15–61, Cl. 260—653.4.

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Rausch, Marvin D., to Monsanto Chemical Co. Method of preparing biferrocenyl. 3,010,981, 11–28–61, Cl. 260—439.

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Rausser, Richard, and E. P. Oliveto, to Schering Corp. C-16-alkylated 1,4-androstadienes. 3,010,958, 11–28–61, Cl. 260—239.55.

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Rauth, William E. Collapsible and portable enclosure. 2,996,157, 8–15–61, Cl. 189—2.

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Ravensberg, G.m.b.H., Chemische Fabrik: *See*—
Siemer, Harm, and Doppstadt. 3,005,818.

Ravenscroft, Ivor A., to National Research Development Corp. Frequency modulated oscillator circuits. 2,974,294, 3–7–61, Cl. 332—16.

Ravet, Heinz, to National Research Corp. Apparatus for drying heat sensitive products. 3,010,216, 11–28–61, Cl. 34—92.

Ravich, Leonard E.: *See*—
Kallmann, Hartmut P., and Rosenberg. 3,005,707.

Ravier, Emile, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Method for supplying current to the anode of aluminum refining cells. 2,991,235. 7–4–61, Cl. 204—67.

Ravn, Jacob, to The West Co. Applying caps to bottles. 2,974,455, 3–14–61, Cl. 53—42.

Ravn, Jacob, to The West Co. Bottle cap feeding and orienting apparatus. 2,988,244, 6–13–61, Cl. 221—10.

Ravner, Harold: *See*
Baker, Hayward R., Singleterry, and Ravner. 3,008,901.

Rawding Emerson: *See*—
Ashton, Benjamin N., Rawding, and Von Pessler. 2,988,004.

Rawe, Martin. Machine for forming folded top and bottom ends of a bag. 3,002,431, 10–3–61, Cl. 93—28.

Rawe, Martin. Device for opening one end of bag tubes to form the bag bottoms in paper bag manufacturing machines. 3,006,256, 10–31–61, Cl. 93—28.

Rawlins, Joseph A., to Sperry Rand Corp., Ford Instrument Co. Gas lubricated bearing. 3,006,697, 10–31–61, Cl. 308—9.

Rawlplug Co. Ltd., The: *See*—
Taylor, Cecil A. 3,000,225.

Rawls Brothers Co.: *See*—
Rawls, Vaughn. 3,002,223.
Rawls, Vaughn. 3,007,251.

Rawls, Joseph B.: *See*—
Jordan, Harold K., and Rawls. 3,007,291.

Rawls, Vaughn, to Rawls Brothers Co. Apparatus for handling curing tubes. 3,002,223, 10–3–61, Cl. 18—2.

Rawls, Vaughn, to Rawls Brothers Co. Method and apparatus for measuring the size of pneumatic tire casings. 3,007,251, 11–7–61, Cl. 33—178.

Rawls, William B. Quinine-aminophylline composition for muscle crimp therapy. 2,985,558, 5–23–61, Cl. 167—67.

Rawson, Arthur: *See*—
Achorn, Glenwood B., Jr., Bokesch, Dapper, Lebherz, Schwab, Smith, Rawson, and Metcalfe. 2,981,660.

Ray, Benjamin: *See*—
Goldsmith, Henry A., and Ray. 2,971,918.

Ray, Edward, and S. H. Fairweather, to Thompson Ramo Wooldridge Inc. Free piston power conversion devices. 2,988,874, 6–20–61, Cl. 60—21.

Ray Flange Lubricator, Inc.: *See*—
Ouellette, Raphael L. 3,011,590.

Ray, Gayus U.: *See*—
Lucia, Carroll J., Ray, and Maxon. 2,974,470.

Ray, John G., and W. C. Gungle, to Sylvania Electric Products Inc. Fluorescent lamp. 3,012,168, 12–5–61, Cl. 313—221.

Ray, Leonard N., Jr.: *See*—
Feigley, David A., Jr., and Ray. 3,008,868.
Feigley, David A., Jr., and Ray. 3,014,835.

Ray, Leroy, to Paul Mueller Co. Poultry scalder. 2,994,909. 8–8–61, Cl. 17—11.2.

Ray, Lloyd S.: *See*—
Marotta, George J., Ray, and Swenson. 3,000,806.

Ray Oil Burner Co.: *See*—
Winters, Harry K. 2,978,018.

Ray, Richard E.: *See*—
Yang, Nien-Chu C., Finnegan, and Ray. 3,014,905.

Ray, Richard L., and E. A. Hunter, to Esso Research and Engineering Co. Method for preparing a polydiolefin latex. 2,991,261, 7–4–61, Cl. 260—23.7.

Ray, Robert H. Coin control machine for dispensing newspapers and other periodicals. 2,992,756, 7–18–61, Cl. 221—213.

Ray, William A., to General Controls Co. Magnet-assisted diaphragm-valve. 2,972,465, 2–21–61, Cl. 251—30.

Ray, William A., to General Controls Co. Thermopile for operation by pilot burners. 2,987,566, 6–6–61, Cl. 136—4.

Ray, William A., to General Controls Co. Valve structure having angularly movable slide with shear seals. 2,989,082, 6–20–61, Cl. 137—625.46.

Ray, William A., to General Controls Co. Control device using magnetizable vibratory conduit. 2,990,839, 7–4–61, Cl. 137—82.

Ray, William A., to General Controls Co. Reverse cycle refrigeration system and four-way transfer valve for same. 2,991,631, 7–11–61, Cl. 62—324.

Ray, William A., and R. D. Grayson, to General Controls Co. Safety reset valve. 2,991,792, 7–11–61, Cl. 137—66.

Ray, William A., to General Controls Co. Solenoid construction used in fuel valves. 2,998,552, 8–29–61, Cl. 317—186.

Ray, William G.: *See*—
Davis, Shipp C., and Ray. 2,981,633.
Davis, Shipp C., and Ray. 2,981,634.
Davis, Shipp C., and Ray. 3,011,906.
Davis, Shipp C., and Ray. 3,011,907.

Raybestos-Manhattan, Inc.: *See*—
Moore, Robert L., and Atwell. 2,985,918.
Schmidlin, Herbert L. 3,014,795.
Slade, Winton L. 3,008,187.

Rayburn, Charles C., to Illinois Tool Works. Resistor device. 2,994,848, 8–1–61, Cl. 338—328.

Rayburn, Charles C., and J. R. Thorson, to Illinois Tool Works. Condenser tester. 2,992,730, 7–18–61, Cl. 209—81.

Rayburn, Vincent A.: *See*—
Bunch, Tillman T., and Rayburn. 2,993,114.

Rayburn, Vincent A., to Western Electric Co., Inc. Contact roll assembly. 2,969,437, 1–24–61, Cl. 191—1.

Rayburn, Vincent A., to Western Electric Co., Inc. Method of coiling wire. 2,973,911, 3–7–61, Cl. 242—1.

Rayden, Raymond G.: *See*—
Prowse, Donald W., and Rayden. 2,999,580.

Raydyne Corp.: *See*—
Phelps, Clyde H. 3,010,769.

Raye, Royce L. Locking device. 2,996,909, 8–22–61, Cl. 70—57.

Raye, Royce L. Padlock housing. 2,999,377, 9–12–61, Cl. 70—32.

Rayfield, George T., to Consolidated Electrodynamics Corp. Ceramic coated wire. 2,975,078, 3–14–61, Cl. 117—217.

Rayfield, Robert H.: *See*—
Grossen, Harry W., and Rayfield. 3,006,066.

Rayford, Richard E., and R. E. Rezny, to Standard Oil Co. Low temperature cloud point apparatus. 3,008,324, 11–14–61, Cl. 73—17.

Raymaley, Florence C. Christmas tree lighting device. 2,969,456 1–24–61, Cl. 240—10.

Raymond, A.: *See*—
Perrochat, Jean. 2,984,877.
Von Rath, Herbert. 2,983,008.

Raymond, Albert V. Clip. 2,976,972, 3–28–61, Cl. 189—88.

Raymond Bag Corp.: *See*—
Tilton, William J., and Moore. 2,977,035.

Raymond Corp., The: *See*—
Gibson, Christian D. 2,973,878.

Raymond, David L., and H. H. Hoover, to The Cleveland Trencher Co. Excavating machine. 2,979,838, 4–18–61, Cl. 37—97.

Raymond, Francois H., to Societe d'Electronique et d'Automatisme. Binary coded information processing devices. 2,980,804, 4–18–61, Cl. 307—88.

Raymond, Francois H., to Societe d'Electronique et d'Automatisme. Binary data processing devices. 3,009,068, 11–14–61, Cl. 307—88.5.

Raymond International Inc.: *See*—
Fletcher, Gordon F. A., and Le Mieux. 2,993,367.
Rice, Willard H. 2,996,888.
Rice, Willard H., and Smith. 2,996,887.

Raymond, Jerry W. Carburetor. 2,996,057, 8–15–61, Cl. 123—179.

Raymond, Joseph H. Code key cutting machine. 3,011,411, 12–5–61, Cl. 90—13.05.

Raymond, Malcolm L. Baggage rack. 2,973,869, 3–7–61, Cl. 211—90.

Raymond, Pierre, to Protectal. Gun for projecting plastic products. 2,974,874, 3–14–61, Cl. 239—139.

Raymond, Robert E., to Racine Hydraulics and Machinery, Inc. Pressure responsive valve. 2,969,084, 1–24–61, Cl. 137—471.
Raymond, Robert E., to Racine Hydraulics and Machinery, Inc.: Synchronizing system. 2,969,647, 1–31–61, Cl. 60—97.
Raymond, Samuel. Apparatus for effecting extraction. 2,967,093, 1–3–61, Cl. 23—270.5.
Raymond, Thomas E., to Racine Hydraulic & Machinery, Inc. Fluid translating apparatus. 3,002,462, 10–3–61, Cl. 103—38.
Raynaud, Camille. Launching apparatus for movable objects. 2,971,473, 2–14–61, Cl. 104—134.
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Goldblatt, Leo A., Hopper, and Rayner. 2,999,104.
Goldblatt, Leo A., Hopper, and Rayner. 3,008,910.
Raynor, Arthur E.: *See*—
Fink, Leroy M., Kispert, Raynor, and Rowand. 3,003,480.
Koch, Paul H., and Raynor. 2,982,268.
Rayonier Inc.: *See*—
Briggs, Ben T. 3,013,933.
Gray, Kenneth R., and Van Blaricom. 2,999,108.
Mitchell, Reid L., and Schlosser. 2,999,045.
Van Blaricom, Lloyd E., and Tokos. 2,975,126.
Raytheon Co.: *See*—
Ahearn, John F., and Kilham. 2,985,707.
Anderson, Carl L. 2,994,870.
Apelbaum, Joseph H., and Dudley. 2,995,674.
Arnesen, Robert F. 2,974,287.
Bardsley, Charles J. 3,007,830.
Beebe, John N. 2,972,731.
Bourassa, Francis J. 2,969,487.
Brown, Kenneth E. 2,993,175.
Brown, William C. 2,984,764.
Brown, William C., and Dench. 2,977,502.
Carr, Amos J., Jr. 2,976,491.
Catterall, John, and Peterson. 2,994,440.
Cockrill, Huston W. 2,975,322.
Damon, Neil F. 3,004,238.
Davis, James C., Jr. 2,978,650.
Dench, Edward C. 2,967,264.
Dench, Edward C. 2,971,112.
Dench, Edward C. 2,971,121.
Deneh, Edward C. 2,984,763.
Dench, Edward C. 3,005,129.
Dollinger, Kenneth. 2,970,276.
Dukat, Francis M. 2,970,213.
Eriksen, Warren T. 2,970,264.
Flodberg, Gerhard A. 3,013,326.
Fryklund, Robert A. 2,974,293.
Fryklund, Robert A. 2,982,940.
Fryklund, Robert A. 2,985,015.
Fryklund, Robert A. 2,992,059.
Fryklund, Robert A. 3,001,190.
Gross, Fritz A. 2,982,954.
Gross, Thomas A. O. 2,981,942.
Guterman, Sadia S. 2,970,294.
Guterman, Sadia S. 2,980,803.
Guterman, Sadia S. 3,002,183.
Hatton, William L. 2,985,836.
Hergenrother, Rudolf C. Re. 25,082.
Hill, Frank R. 3,007,339.
Kienow, Orwald E. 2,977,593.
Klesling, Paul W., Jr. 3,001,074.
Klemperer, Hans. 2,974,317.
Kunstadt, George H. 2,998,542.
La Rue, Albert D., and Downing. 2,983,843.
Lovett, Joseph L. 2,998,591.
Luftman, Alvin S., Taylor, and Buckbee. 3,007,078.
Marholz, Richard C. 2,974,192.
McLeod, Willard W., Jr. 2,975,379.
Mercer, William R. 2,983,814.
Mussard, Marcel E.. 3,012,153.
Oliver(Joseph J., and Morrison. 2,980,859.
Parkinson, Geoffrey B. 2,969,458.
Pierce, Bayard C., and Copson. 2,997,566.
Pritchard, Wilbur L. 2,991,471.
Reed, John, and Wheeler. 2,975,381.
Riceman, Sumner. 3,012,137.
Rizzi, Peter A. , 2,998,579.
Rosen, Harold A. 3,007,157.
Sanders, Royden C., Jr., and Mercer. 2,977,465.
Schall, Louis H. 2,979,671.
Scharfman, Howard. 2,975,380.
Sheehan, William E. 3,015,076.
Sheldon, Edward J., and Cole. 3,008,069.
Shelton, Earl J., Jr. 2,990,526.
Slater, Arthur B. 2,977,466.
Slater, Arthur B., Baker, and Minot. 3,009,119.
Spanos, John. 2,982,893.
Spencer, James H. 2,992,480.
Stutsman, Paul W. 3,004,192.
Sullivan, Kenneth L., and McNamara. 2,978,565.
Sullivan, Paul A. 2,971,169.
Taylor, Frank E., and Buckbee. 2,995,678.
Ursch, Ralph R. 2,992,405.
Watkins, Robert A. 3,002,098.
Wheeler, Gershon J. 2,984,797.
Williams, John R. 2,983,853.
Winter, Charles F., and Walsh. 3,005,984.
Zucker, Henry. 2,971,049.
Zucker, Henry. 2,987,646.
Razdan, Raj K., and L. A. Wetherill, to Glaxo Laboratories Ltd. Preparation of triiodothyronine. 2,993,928, 7–25–61, Cl. 260—519.
Razdow, Adolph. Apparatus for and method of controlling or inspecting of members or mechanical parts. 2,968,074, 1–17–61, Cl. 22—57.
Razdow, Adolph, to Bryg, Inc. Color image signal translating system. 2,983,784, 5–9–61, Cl. 178—5.4.
Re, Jean W.: *See*—
Wood, Charles E. 3,006,475.
Rea, Alfred. Chair bed. 2,999,250, 9–12–61, Cl. 5—13.
Rea, Fred L. Heating means for toilet seats, bedpans and the like. 2,985,742, 5–23–61, Cl. 219—46.
Rea, George A.: *See*—
Park, Glenn S., and Rea. 3,000,323.
Rea, Homer E.: *See*—
Bovier, Lloyd S., and Rea. 3,006,750.
Rea Magnet Wire Co., Inc.: *See*—
Sheldon, Allen C. 3,006,794.
Whearley, Robert L. 2,982,888.
Whearley, Robert L. 2,982,889.
Whearley, Robert L., Novak, and Deutscher. 3,012,092
Reach, Roy W., Jr.: *See*—
Colten, Bernard, and Reach. 2,967,276.
Colten, Bernard, and Reach. 3,012,722.
Reach, Roy W., Jr., and W. M. Kahn, to Minneapolis-Honeywell Regulator Co. Data processing apparatus. 3,003,695, 10–10–61, Cl. 235—175.
Reachi, Ramon. Table ornament and standard. 2,997,199. 8–22–61, Cl. 220—23.86.
Reactive Metals Inc.: *See*—
Fahnoe, Frederick. 3,012,954.
Read, Ellis W., to United States of America, Army. Projectile. 2,975,710, 3–21–61, Cl. 102—66.
Read, Frank W. Tire controlled valves. 2,982,309, 5–2–61, Cl. 137—624.22.
Read, George A.: *See*—
McCormick, Gordon R., and Read. 2,969,561.
Read, Leiper P.: *See*—
Hemstreet, Harold S., Fogarty, Mailhot, Read, and Hunt. 3,007,258.
Read, Leland B., to ACF Industries, Inc. Thermostatic idle. 2,986,380, 5–30–61, Cl. 261—39.
Read, Leland B., to ACF Industries, Inc. Pressure regulator. 3,013,576, 12–19–61, Cl. 137—446.
Read, Norman J., to Associated Lead Manufacturers Ltd. Flame-retarding compositions. 3,014,000, 12–19–61, Cl. 260—28.5.
Read, Norman W., to The Guiberson Corp. Swab cup support. 3,002,466, 10–3–61, Cl. 103—225.
Read, Owen, and G. Camirand. Clothes line support. 2,989,192, 6–20–61, Cl. 211—119.07.
Read, Robert C.: *See*—
Ward, Frank T., and Read. 3,007,744.
Read, Robert E. Bags and method of making bags. 2,985,355, 5–23–61, Cl. 229—60.
Read, Roland R.: *See*—
Sanders, Robert G., Read, and Palazzolo. 2,967,130.
Reade, Ralph B.: *See*—
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Ready, Harold R.: *See*—
Parker, John A., Ready, and Versnel. 2,974,116.
Reagan, Maurice E., to Westinghouse Electric Corp. Circuit interrupters. 2,970,196, 1–31–61, Cl. 200—147.
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Realist, Inc.: *See*—
McKowen, Kenneth R., and Reiss. 2,985,176.
Underberg, Robert L. and Waldenburg. 2,986,830.
Realty and Industrial Corp.: *See*—
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Gubelmann, William S. 2,969,181.
Reamer, Thomas E., to Shell Oil Co. Metal working lubricants. 2,981,686, 4–25–61, Cl. 252—33.6.
Reardon, John W.: *See*—
Foldes, Stephen, and Reardon. 2,987,807.
Reardon, Patrick H. Rolled edge metal containers. 2,970,094, 1–31–61, Cl. 220—62.
Rearwin, Earle W., ⅔ to D. M. Morgenstern, and ⅓ to D. M. Nelson. Apparatus for vacuum feeding a die casting machine. 3,009,218, 11–21–61, Cl. 22—68.
Rearwin, Richard H., to General Precision, Inc. Selective directional slotted waveguide antenna. 2,967,301, 1–3–61, Cl. 343—771.
Rearwin, Richard H., to General Precision Inc. Planar array of microwave antennas. 2,983,920, 5–9–61, Cl. 343—824.
Reason, Richard E., to Taylor, Taylor & Hobson Ltd. Surface testing apparatus. 2,972,250, 2–21–61, Cl. 73—105.
Reaves, John H., to United States of America, Commerce. Direct-coupled amplifier construction. 2,970,278, 1–31–61, Cl. 330—70.
Reaves, John H., to United States of America, Commerce. Low capacitance power supply. 2,978,658, 4–4–61, Cl. 336—69.
Reaves, Robert S.: *See*—
Charley, Walter G., and Reaves. 2,971,776.
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Blome, Robert A., Andrews, and Reaves. 2,971,902.
Reaville, Eric T., J. P. O'Brien, and L. P. Russe, to Monsanto Chemical Co. Fortified tall oil rosin paper sizes. 2,994,635, 8–1–61, Cl. 162—179.

Reavis, Genevieve, and C. M. Rosser, to American Viscose Corp. Polyethylene coating composition. 2,998,401, 8–29–61, Cl. 260—32.8.

Rebasti, Antonio. Device for obtaining the sustentation of supporting surfaces of aircraft. 2,996,266, 8–15–61, Cl. 244—12.

Reber, John, Jr., to Hamilton Watch Co. Automatic regulator. 2,994,185, 8–1–61, Cl. 58—109.

Rebernigg, Robert. Christmas tree lighting mechanism. 3,004,143, 10–10–61, Cl. 240—10.68.

Rebholz, Elmer F.: *See*—
Barnes, James F., and Rebholz. 2,998,339.

Rebicek, Frank G. Skates with disposable blades. 2,988,369, 6–13–61, Cl. 280—11.12.

Rebling, Robert C.: *See*—
Worth, Sidney V., and Rebling. 2,990,460.

Rebman, Joseph H., and S. E. Shensky. Hydro-seal test coupling. 3,001,802, 9–26–61, Cl. 285—35.

Rebstock, Fred R., to Lever Brothers Co. Toothbrush vial. 2,980,119, 4–18–61, Cl. 132—84.

Re Casino, Frank P., to Congoleum-Nairn Inc. Dicing machine having spaced transverse cutters associated with rotary slitters. 2,978,942, 4–11–61, Cl. 83—355.

Recherche et Industrie Therapeutiques, en abrege R.I.T.: *See*—
Vanderhaeghe, Hubert, Claesen, Van Dijck, and Parmentier. 3,007,920.

Recherches Etudes Production R.E.P.: *See*—
Boulet, Georges. 2,977,753.
Boulet, Georges. 2,989,153.
Boulet, Georges. 3,008,402.

Recht, Dwight F., to Smith-Blair, Inc. Tapping saddle. 2,997,316, 8–22–61, Cl. 285—55.

Rechter, Harold L.: *See*—
Bradstreet, Samuel W., and Rechter. 2,978,360.
Noble, Richard D., Bradstreet, and Rechter. 2,995,453.

Rechtin, Eberhardt C., to Bethlehem Steel Co. Mobile drilling platform and method of operation. 2,969,648, 1–31–61, Cl. 61—46.5.

Reck, Frank, to Bell Telephone Laboratories, Inc. Wire splicing. 2,994,941. 8–8–61, Cl. 29—33.5.

Reck, Herbert J. and H. W. Apparatus for grading eggs and the like. 2,994,430, 8–1–61, Cl. 209—121.

Reck, Hilbert W.: *See*—
Reck, Herbert J. and H. W. 2,994,430.

Reck, Richard A., and R. P. Arthur, to Armour & Co. of Delaware. Preparation of high molecular unsaturated aldehydes. 2,982,784, 5–2–61, Cl. 260—601.

Reck, William H., to Western Machinery Co. Spiral classifier. 3,000,503, 9–19–61, Cl. 209—464.

Reckhow, Warren A.: *See*—
Loria, Anthony, Reckhow, and Salminen. 3,006,759.

Rector, David D.: *See*—
Kuhn, Albert J., and Rector. 2,969,959.

Rector, Harley R.: *See*—
Landon, Richard E., and Rector. 2,984,815.

Rector, Marion R.: *See*—
Friedrich, Louis C., Jr., Peters, and Rector. 2,968,651.

Reda Pump Co.: *See*—
Arutunoff, Armais. 2,969,742.
Arutunoff, Armais. 2,974,240.
Arutunoff, Armais. 2,979,347.

Redanz, William H., to Union Carbide Corp. Preparation of tungstic oxide. 2,993,755, 7–25–61, Cl. 23—140.

Red Comet, Inc.: *See*—
Norling, James F. 2,974,878.

Reddell, Charles A., to Warren Christmas Trees, Inc. Rotating power driven base. 3,002,628, 10–3–61, Cl. 211—1.6.

Redden, Annie M: *See*—
Redden, George B. 2,973,575.

Redden, George B., deceased, by A. M. Redden, executrix. Razor having a triangular shape cap with spring and lever means in the handle to lock said cap. 2,973,575, 3–7–61, Cl. 30—68.

Reddi, Mullapudi M., to The Dole Valve Co. Varying torque heat motor. 2,972,897, 2–28–61, Cl. 74—99.

Reddi, Mullapudi M., to The Dole Valve Co. Thermostat motor control. 3,007,101, 10–31–61, Cl. 318—473.

Reddick, John A.: *See*—
Berkley, Earl E., and Reddick. 3,005,153.
Jennings, Edwin J., Jr., Reddick, and Berkley. 3,005,152.

Reddie, William A.: *See*—
Van Dyke, Orien W., and Reddie. 3,006,845.

Reddie, William A., to Magnet Cove Barium Corp. Preserved lecithin-containing compositions. 2,986,516, 5–30–61, Cl. 252—8.5.

Reddie, William A., and R. N. Griffin, to Magnet Cove Barium Corp. Water-in-oil emulsion drilling fluid. 2,994,660, 8–1–61, Cl. 252—8.5.

Redding, Phyllis. Surgical traction boot. 2,969,790, 1–31–61, Cl. 128—84.

Reddin, Vernon W. Sheet holder for beds. 2,984,844, 5–23–61, Cl. 5—320.

Redding, Harry L.: *See*—
Knickerbocker, Robert H., and Redding. 2,981,351.

Reddi-Wip, Inc.: *See*—
Morgan, Harry A., Jr. 2,973,609.

Red Dot Foods, Inc.: *See*—
Schoeneck, Otto. 2,990,064.

Reddy, Cyril A., to Phillips Petroleum Co. Snap-in flashing. 2,984,049, 5–16–61, Cl. 50—45.

Reddy, Cyril A., C. P. Holt, J. M. Shaffer, and C. F. Reinhardt, to Phillips Petroleum Co. Roof coping. 3,012,376, 12–12–61, Cl. 50—66.

Reddy, Richard L.: *See*—
Wlodek, Stanley T., Geiselman, and Reddy. 2,977,225.

Reder, Josef: *See*—
Reder, Joseph. 3,005,310.

Reder, Joseph, also known as Josef Reder, 33⅓% to Bernard Olcott and Associates, and 66⅔% to AB. Alex Pedersen. Pulse jet engine. 3,005,310. 10–24–61. Cl. 60—35.6.

Reder, Milton: *See*—
Ruskin, Simon L. 2,992,173.
Ruskin, Simon L. 2,997,524.

Redey, George. Educational cubic toy device. 2,977,688, 4–4–61, Cl. 35—26.

Redfarn, Cyril A., to Walker Extract and Chemical Co. Ltd. Manufacture of phenolic resins. 2,979,484, 4–11–61, Cl. 260—51.

Redfield, David, and R. L. Baum, to Union Carbide Corp. Infrared transmitting optical filter. 2,986,527, 5–30–61, Cl. 252—300.

Redfield Gun Sight Co.: *See*—
Friedman, Harry S., and Phillips. 2,997,916.

Redheugh Iron & Steel Co. Ltd.: *See*—
Motley, Lewis. 2,976,921.

Rediger, Alvin L., to General Electric Co. Apparatus and method for forming winding end turns of a dynamoelectric machine. 2,980,157, 4–18–61, Cl. 153—54.

Rediger, Alvin L., to General Electric Co. Stator core member for dynamoelectric machines. 3,012,162, 12–5–61, Cl. 310—259.

Rediker, Robert H., to Research Corp. Narrow base planar junction punch-thru diode. 2,975,342, 3–14–61, Cl. 317—234.

Redin, John T.: *See*—
Demmler, John N., and Redin. 3,007,215.

Redington, F. B., Co.: *See*—
Engleson, Harry E., and Sramek. 2,971,442.
Engleson, Harry E., and Sramek. 2,971,636.
Engleson, Harry E., and Sramek. 2,973,611.
Hartbauer, Ellsworth A. Re. 24,951.

Red Jacket Mfg. Co.: *See*—
Deters, Elmer M. 2,990,778.
Shuh, Lewis M. 2,979,939.

Red Lake County State Bank: *See*—
Schultz, William L., and M. J. 2,978,017.

Redlich, Horst, to Teldec-Telefunken-Decca Schallplatten G.m.b.H. Arrangement for producing a sound recording. 2,977,424, 3–28–61, Cl. 179—100.4.

Redlich, Horst, H. Angenendt, and G. Neumann, to Telefunken G.m.b.H. Dual sound track transducer head. 3,014,992, 12–26–61, Cl. 179—100.41.

Redman, Howard E.: *See*—
Kalning, Frederick E., and Redman. 2,976,828.

Redman, William J., to United States Steel Corp. Liner assembly. 2,976,813, 3–28–61, Cl. 103—216.

Redmond, Audy J. Winder guide attachment. 2,987,034, 6–6–61, Cl. 118—78.

Redmond, Edward J., to Woolley Mfg. Co. Golf club shaft. 2,991,080, 7–4–61, Cl. 273—80.

Redmond, Joseph J.: *See*—
Anspacher, William B., Scott, Bowen, Redmond, and Detwiler. 2,998,780.

Redo, Ted A.: *See*—
Kevelin, Bruce E., Redo, and Willett. 2,988,129.

Redon, Andre, to Commissariat a L'Energie Atomique. Automatic device for taking samples of active solutions. 2,999,738, 9–12–61, Cl. 23—259.

Redpath, Donald C.: *See*—
Parkhill, Douglas F., Redpath, and Ross. 2,976,428.

Redslob, Jean J., H. J. Van Kuyk, and J. A. Zimmerman, to AMP Inc. Pin-socket connector. 3,009,130, 11–14–61, Cl. 339—176.

Redstone, William J.: *See*—
Surtees, Howard, Lattey, and Redstone. 2,993,666.

Redway, George F. Hand-held wire stripper. 2,995,051, 8–8–61, Cl. 81—95.

Reeber, Karl. Pulling-lamp-fixture. 3,002,086. 9–26–61, Cl. 240—71.

Reeber, Rudolf: *See*—
Lederer, Michael, Frey, and Reeber. 2,987,510.

Reeber, Rudolf, and G. Mall, to G. M. Pfaff, A.-G. Device for inserting buttons in the button clamp of button sewers. 2,971,481, 2–14–61, Cl. 112—113.

Reeber, Rudolf, G. Mall, G. Seewald, and R. Schonthaler, to G. M. Pfaff, AG. Means for mounting the presser foot on sewing machines. 2,985,127, 5–23–61, Cl. 112—240.

Reeber, Rudolf, and H. Gross, to G. M. Pfaff A.-G. Sewing machine with stepper feed. 3,009,432, 11–21–61, Cl. 112—212.

Reece, Albert B. J., to The English Electric Co. Ltd. Discontinuous induction type dynamo-electric machines. 3,005,116, 10–17–61, Cl. 310—11.

Reece, Charles H.: *See*—
Boyd, Violet, and Reece. 2,989,548.
Irving, Francis, Reece, and Wilsen. 2,992,220.

Reece, Clarence D.: *See*—
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Reece Corp., The: *See*—
Reece, Franklin A. 2,969,755.

Reece, Franklin A., to The Reece Corp. Button sewing machine. 2,969,755, 1–31–61, Cl. 112—112.

Reece, Stanley H., to Cobra (Wood Treatment) Ltd. Tools for injecting materials into wood. 2,993,245, 7–25–61, Cl. 21—73.

Reed, Arthur B., and G. W. Lyman, to Reed Rolled Thread Die Co. Two roll, cylindrical die machine for thread rolling. 2,968,201, 1–17–61, Cl. 80—6.

Reed, Bayard C., to M. I. Glass. Toy. 2,968,120, 1–17–61, Cl. 46—91.

Reed, Bayard C., and G. Licitis, to M. I. Glass. Toy. 2,971,289, 2–14–61, Cl. 46—104.

Reed, Benjamin: *See*—
Mataré, Herbert F., Reed, and Weinreich. 2,970,229.

Reed, Calvin L.: *See*—
Saint, David, and Reed. 2,979,734.

Reed, Charles H. Clothes hanging arrangement. 2,998,142, 8–29–61, Cl. 211—113.

Reed, Charles L., Jr., to Continental Mfg. Co. Plug valve. 2,994,504, 8–1–61, Cl. 251—312.

Reed, Clair S., to Van Dresser Specialty Corp. Apparatus for forming spring liners. 2,973,788, 3–7–61, Cl. 140—92.94.

Reed, Clair S., and W. R. Bailey, to Gar Wood Industries. Supporting members. 3,013,584, 12–19–61, Cl. 138—145.

Reed Corrugated Cases Ltd.: *See*—
Sheldon-Williams, Charles W. 3,010,635.

Reed, Daniel J., to A. O. Smith Corp. Reinforced plastic article and structure for forming the same. 2,987,217, 6–6–61, Cl. 220—66.

Reed, Davis W., to Shell Oil Co. Method and apparatus for producing wells. 2,980,184, 4–18–61, Cl. 166—57.

Reed, Denny L. Thong cutting device. 2,978,808, 4–11–61, Cl. 30—293.

Reed, Denvil E.: *See*—
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Reed, Edward L.: *See*—
Smith, Charles R. F., and Reed. 2,988,522.

Reed, Edwin E., to Phillips Petroleum Co. LPG transport loading. 2,993,344, 7–25–61, Cl. 62—49.

Reed, Edwin E., to Phillips Petroleum Co. Pressurized storage system and method of operating. 3,006,149, 10–31–61, Cl. 61—.5.

Reed, Edwin E., and C. T. Brandt, to Phillips Petroleum Co. Core hole testing apparatus. 2,979,134, 4–11–61, Cl. 35—2.

Reed, Edwin E., and A. F. Dyer, to Phillips Petroleum Co. Coupling apparatus. 3,013,819, 12–19–61, Cl. 284—18.

Reed, Evereli E. Batch box assembly. 2,997,190, 8–22–61, Cl. 214—83.36.

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Straus, Martin L., II. 2,997,792.

Reed, Frank J.: *See*—
Emslie, Norman M., and Reed. 3,001,789.

Reed, Frederick P., to United States of America, Army. Fire rate control means for a telescopic-type two-piece firearm bolt. 2,971,441, 2–14–61, Cl. 89—130.

Reed, Frederick P., to United States of America, Army. Extractor assembly for firearms. 2,984,924, 5–23–61, Cl. 42—25.

Reed, Frederick P., to United States of America, Army. Dual rate sear mechanism. 2,995,988, 8–15–61, Cl. 89—129.

Reed, George A., and J. A. Mott, to The Oxford Corp. Aircraft landing system. 2,996,947, 8–22–61, Cl. 88—1.

Reed, George A., and J. A. Mott, to The Oxford Corp. Runway light. 3,007 034, 10–31–61, Cl. 240—1.2.

Reed, George G. Fire eliminator for air conveying systems. 2,989,348, 6–20–61, Cl. 302—28.

Reed, George J.: *See*—
Brill, Richard H., and Reed. 2,993,388.

Reed, Glenn A., to United States of America, Atomic Energy Commission. Method and apparatus for controlling direct-cycle neutronic reactors. 2,967,809, 1–10–61, Cl. 204—154.2.

Reed, Herbert W.: *See*—
Cole, Samuel P., Walker, and Reed. 2,967,778.

Reed, Howard A. Reset unit for voting machines. 3,011,708, 12–5–61, Cl. 235—144.

Reed, Hugh W. B., and R. G. J. Telfer, to Imperial Chemical Industries Ltd. Treatment of polymers to remove catalyst residues. 3,012,022, 12–5–61, Cl. 260—93.7.

Reed, John, and G. J. Wheeler, to Raytheon Co. Duplexers. 2,975,381, 3–14–61, Cl. 333—10.

Reed, John A. Support for structure while removing bearing. 2,988,407, 6–13–61, Cl. 308—189.

Reed, Lawrence M. Positive print processing receptacle. 2,994,902, 8–8–61, Cl. 15—268.

Reed, Leslie M. Garment pocket. 2,988,750, 6–20–61, Cl. 2—254.

Reed, Lester J., to Research Corp. Lipoic acid intermediates. 2,975,198, 3–14–61, Cl. 260—399.

Reed, Lester J., to Research Corp. Method for preparing 6,8-dihalo-octanoic esters. 2,980,716, 4–18–61, Cl. 260—408.

Reed, Linwood L., and J. W. McKim, to Union Steel Products Co. Machine for removing baked goods and the like from pans. 2,975,920, 3–21–61, Cl. 214—309.

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Reed Mfg. Co.: *See*—
Bialme, Bengt G. 2,996,737.
Bialme, Bengt G. 3,012,792.
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Reed, Paul J. Vehicle suspension. 3,011,776, 12–5–61, Cl. 267—63.

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Reed Research Inc.: *See*—
Coleman, Walter W., and Cook. 2,982,063.
Cook, George W., and McGuire. 3,009,064.
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Harmon, Gregory J. 2,982,403.
Harmon, Gregory J. 2,982,404.
Reed, Stanley F. 3,008,532.

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Reed, Richard H., to Hughes Aircraft Co. Parallel strip transmission antenna array. 3,005,986, 10–24–61, Cl. 343—810.

Reed, Robert C., to Thompson Ramo Wooldridge Inc. Electrical gating circuit. 2,984,826, 5–16–61, Cl. 340—174.1.

Reed, Robert D., to John Zink Co. Air register for fuel burner. 2,981,320, 4–25–61, Cl. 158—1.5.

Reed, Robert D., to John Zink Co. Gaseous fuel burner. 3,002,553, 10–3–61, Cl. 158—116.

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Reed, Stanley F., to Logetronics, Inc. Photographic method. 2,989,909, 6–27–61, Cl. 95—73.

Reed, Stanley F., to Reed Research Inc. Automatic pilot for motor vehicles. 3,008,532, 11–14–61, Cl. 180—82.1.

Reed, Thomas R.: *See*—
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Reed, Thomas S., to Chrysler Corp. Variable pressure pneumatic vehicle tire. 2,981,305, 4–25–61, Cl. 152—330.

Reed, Wendell E., to Solar Aircraft Co. Pressure ratio sensing, indicating, and controlling apparatus. 2,969,640, 1–31–61, Cl. 60—35.6.

Reed, Wendell E., to Solar Aircraft Co. Multiple pressure sensing, indicating and control apparatus. 2,981,058, 4–25–61, Cl. 60—35.6.

Reed, Wendell E., to Solar Aircraft Co. Pressure ratio indicator and controller for variable area nozzle. 2,986,929, 6–6–61, Cl. 73—116.

Reed, Winston H., to Shulton, Inc. Propellant composition. 2,968,628, 1–17–61, Cl. 252—305.

Reeder, Claude E., and H. M. Scott, to Radio Corp. of America. Direct-view electrical storage tube and erasing system therefor. 3,009,145, 11–14–61, Cl. 343—11.

Reeder, James R., and G. W. Ernsberger, to Westinghouse Electric Corp. Static lockout control of a latch type relay. 2,977,511, 3–28–61, Cl. 317—54.

Reeder, Richard D., and J. W. Longobardi, to Alliance Mfg. Co., The Division of Consolidated Electronics Industries Corp. Object dispenser having receiver-actuated object release means. 2,979,229, 4–11–61, Cl. 221—22.

Reeder, Seth D., to Phillips Petroleum Co. Portable radiographic unit. 2,973,435, 2–28–61, Cl. 250—105.

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Reenstra, Willard A., to Bell Telephone Laboratories, Inc. Matrix selecting network. 2,976,520, 3–21–61, Cl. 340—176.

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Rees, Frank X., to General Railway Signal Co. Protective device. 2,967,256, 1–3–61, Cl. 313—188.

Rees, Willis M., and R. W. Schultz, to Owens-Corning Fiberglas Corp. Surfacing unit and method and apparatus for processing same. 3,008,861, 11–14–61, Cl. 156—229.

Rees, Harry V., and P. L. Paull, to Texaco Development Corp. Cement manufacture. 2,991,062, 7–4–61, Cl. 263—53.

Rees, Vernon C., to Johns-Manville Fiber Glass Inc. Breakage detector for yarn. 2,990,675, 7–4–61, Cl. 57—81.

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Reese, James D. Muffler construction. 2,989,137, 6–20–61, Cl. 181—49.
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Reggiani, Pio. Apparatus for fastening elastic tapes to rigid frames. 3,003,162, 10–10–61, Cl. 5—194.
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Reichstein, Tadeus, A. Wettstein, G. Anner, J.-R. Billeter, K. Heusler, R. Neher, J. Schmidlin, H. Ueberwasser, and P. Wieland, to said T. Reichstein. New 18-oxygenated steroids. 3,014,903, 12–26–61, Cl. 260—239.55.
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Swanson, Elmer G., and Reid. 2,995,291.
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Reindl, Harold J., to General Motors Corp. Electrostatic paint spray. 2,975,757, 3–21–61, Cl. 118—627.

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Reiser, Alfred A. Mechanism for balancing a rotatable body. 3,010,323, 11–28–61, Cl. 73—458.

Reiser, Mario, E. A. Eidebenz, and H. G. von Schuh, to Chemische Werke Albert. Dipropionyl, dibutyryl and diisobutyryl derivatives of corynantidine. 2,975,183, 3–14–61, Cl. 260—287.

Reisig, Leopold F. End lift. 2,998,224, 8–29–61, Cl. 254—8.

Reisinger, Robert R.: *See*—
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Reisner, John H., to Radio Corp. of America. Electron lens. 2,976,457, 3–21–61, Cl. 315—31.

Reiss, Alexander, and G. Hillebrand, to Licentia Patent-Verwaltungs-G.m.b.H. High speed circuit breaker. 3,005,073, 10–17–61, Cl. 200—94.

Reiss, Andrew E., to Carrier Corp. Air conditioning unit. 3,008,305, 11–14–61, Cl. 62—280.

Reiss, August, to The Reiss Engineering Co. Ltd. Liquid spray arrangements. 2,971,699, 2–14–61, Cl. 239—184.

Reiss, Carroll R.: *See*—
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Reiss, Felix A., to United States of America, Air Force. Method for depositing metals on nonconducting substrates. 2,986,480, 5–30–61, Cl. 117—227.

Reiss, Karl H., to Siemens-Reiniger-Werke Aktiengesellschaft. X-ray film cassette. 3,001,071, 9–19–61, Cl. 250—68.

Reissner, Edgar W., to Factories Direction Ltd. Manufacture of loaded sheet materials. 2,991,368, 7–4–61, Cl. 250—108.

Reister, Oskar, to Agfa Aktiengesellschaft. Multi layer photographic materials containing dyes having sharp green absorption. 2,968,556, 1–17–61, Cl. 96—69.

Reistle, Carl E., Jr., to Jersey Production Research Co. Treatment of a well with the drill string in the well. 2,994,378, 8–1–61, Cl. 166—72.

Reisz, Annemarie: *See*—
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Reisz, Eugene, deceased; A. Reisz, executrix. Membranes for sound reproducing devices. 2,993,558, 7–25–61, Cl. 181—32.

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Stewart, Roger B. 3,006,668.

Reiter, Abraham M.: *See*—
Weiss, Phil H., and Reiter. 3,001,011.

Reiter, Adrian A. Steering apparatus for automotive vehicles. 2,987,132, 6–6–61, Cl. 180—1.

Reiter, Daniel I. Attachment device for handbag handle or the like. 2,978,776, 4–11–61, Cl. 24—265.

Reiter, Joseph S.: *See*—
Schoeld, Edmund A., Nabors, and Reiter. 2,999,595.

Reiter, Julius. Control for a door and door in combination therewith. 3,011,779, 12–5–61, Cl. 268—62.

Reiter, Richard W., and R. G. Horning, to National Starch and Chemical Corp. Reaction product of an aminohydroxy compound with a copolymer of vinyl acetate and crotonic acid, compositions and products thereof. 2,996,471, 8–15–61, Cl. 260—33.4.

Reiter, William L.: *See*—
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Calehuff, James M., Reiter, and Skowronski. 2,986,108.

Reiterer, Ferdinand, to Parks-Cramer Co. Apparatus for the removal of dust. 2,976,556, 3–28–61, Cl. 15—301.

Reiterer, Ferdinand, to Parks-Cramer Co. Method and apparatus for the suction of broken ends and dusting of textile machines. 2,976,668, 3–28–61, Cl. 57—56.

Reiterer, Ferdinand, to Parks-Cramer Co. Suction cleaning system for textile machinery. 2,977,181, 3–28–61, Cl. 57—56.

Reith, Charles E., to Fisher Engineering, Inc. Television systems. 3,008,001, 11–7–61, Cl. 178—6.8.

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Reitman, Lester J., to Sperry Rand Corp. Conduits for hydraulic devices. 3,007,446, 11–7–61, Cl. 121—41.

Reitmeier, Ronald E., and P. E. Huber, to Catalysts and Chemicals Inc. Nickel-kaolin-hydraulic cement catalyst. 3,001,952, 9–26–61, Cl. 252—455.

Reitmeier, Ronald E., and P. E. Huber, to Catalysts and Chemicals Inc. Tabletted kaolin-hydraulic cement catalyst. 3,001,953, 9–26–61, Cl. 252—455.

Reitz, Matthew W. Electrical wire tap connector. 2,977,403, 3–28–61, Cl. 174—84.

Reitz, Robert J., to Associates Discount Corp. Process and apparatus for controlling water in a dry cleaning solvent composition with a humidity responsive device. 2,967,084, 1–3–61, Cl. 8—142.

Reitz, Walter, and R. Lehnartz, to Joh. Vaillant, K.-G. Continuous flow coil type heater. 2,987,060, 6–6–61, Cl. 126—350.

Reitzammer, Paul. Trot line container and dispenser. 3,005,281, 10–24–61, Cl. 43—54.5.

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Jugle, Leonard L. 2,993,083.

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Reliable Packing Co.: *See*—
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Pinta, John G., and Elsen. 2,968,570.

Reliance Electric and Engineering Co., The: *See*—
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Picking, Jay W., and Di Vincenzo. 2,992,376.
Roehm, Eldron G. 2,974,756.

Reliance Steel Products Co.: *See*—
Nagin, Harold. 2,994,417.

Reliance Tool and Die Works: *See*—
Sundquist, Arvid M. 3,010,502.

Relis, Matthew J., to Burroughs Corp. Lamp power supply. 2,983,848, 5–9–61, Cl. 315—175.

Relis, Matthew J., to Burroughs Corp. Sheet feeding mechanism. 2,991,073, 7–4–61, Cl. 271—29.

Relis, Matthew J., to Burroughs Corp. Sheet stacking device 2,994,529, 8–1–61, Cl. 271—68.

Relis, Matthew J. Composite tuned circuit. 2,996,610, 8–15–61, Cl. 250—17.

Rellensmann, Otto, and K.-H. Stier, to Lear, Inc. Gyroscopic compass. 3,001,290, 9–26–61, Cl. 33—72.

Rellstab, George C., to E. F. Dodge Paper Box Corp. Carton. 2,983,420, 5–9–61, Cl. 229—16.

Rembert, Russell S. Blind. 3,014,524, 12–26–61, Cl. 160—166.

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Martinek, Thomas W., Fronczak, and Remes. 2,980,611.
Martinek, Thomas W., Hutchings, and Remes. 3,003,005.

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Campbell, Clark S. 3,001,312.
Catlin, Robert T., and Landa. 2,977,855.
Clay, Franklin B., Jr., Kenney, Kidder, and Vandenberg. 2,999,767.
Clifford, John E., McCallum, and Semones. 2,992,143.
Dale, William S., and Haskell. 2,969,660.
Daubenspeck, Benjamin K. 2,995,090.
Eckstein, George R. 2,993,593.
Ervine, Albert W. G. 2,996,058.
Hartman, Robert B., II. 2,967,975.
Henebry, Thomas F. 2,991,687.
Henebry, Thomas F. 2,995,880.
McCallum, John, and Ditmars. 2,986,592.
McCallum, John, Johnson, Ditmars, and McGraw. 2,979,353.
Morse, Charles H., and Young. 3,003,274.
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Hill, John L. 2,969,525.

Remington, William F., and K. D. Sylvester, to Ben C. Gerwick, Inc. Manufacture of concrete structures. 2,997,281, 8–22–61, Cl. 259—141.

Remke, Marvin A., and G. G. Hebard, to Phillips Petroleum Co. Automatic custody transfer system. 2,995,139, 8–8–61, Cl. 137—2.

Remley, Eunice. Cooking utensils. 3,007,595, 11–7–61, Cl. 220—4

Rempel, Dietrich G., to Rempel Mfg., Inc. Toys. 2,978,245, 4–4–61, Cl. 272—52.

Rempel, Dietrich G., and F. A. Pfeifenroth, to Rempel Mfg., Inc. Toys. 2,978,244, 4–4–61, Cl. 272—52.

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Lundy, James H., Rempel, and Slavich. 2,999,485.

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Rempel, Dietrich G. 2,978,245.
Rempel, Dietrich G., and Pfeifenroth. 2,978,244.

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Rempt, Henry F.: *See*—
Amara, Dominic, and Rempt. 3,007,051.

Remy, E. P., et Cie: *See*—
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Renahan, John W.: *See*—
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Renard, Roland E., to National Can Corp. Transfer mechanism. 2,985,008, 5–23–61, Cl. 73—45.2.

Renberg, Graham A.: *See*—
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Rendall, Gavin M.: *See*—
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Rendel, George H., to United States Steel Corp. Method of testing resin coated metal sheets. 3,008,329, 11–14–61, Cl. 73—150.

Rendon, Bibian J. Hoop means. 2,984,937, 5–23–61, Cl. 46—220.

Rendsburg, Julius. Film exposure signal. 3,004,250, 10–10–61, Cl. 340—260.

Renfrew, Edgar E., and S. R. Buc, to General Aniline & Film Corp. Method of preventing polymeric pyrrolidones and piperidones from adhering to polymerization vessels in which they are prepared. 2,999,852, 9–12–61, Cl. 260—78.

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Renfroe, Raymond L. Plate lifting clamp. 2,986,422, 5–30–61, Cl. 294—101.

Rengert, George W., to Root Neal and Co. Constant reduced speed drive unit. 2,974,546, 3–14–61, Cl. 74—745.

Renick, Robert C., and C. J. Pasquier, to International Telephone and Telegraph Corp. Track circuit. 2,975,272, 3–14–61, Cl. 246—34.

Renick, Wendell E., to American Brake Shoe Co. Flow control valve mechanism. 2,986,161, 5–30–61, Cl. 137—556.6.

Renier, William S., to Baldwin-Lima-Hamilton Corp. Injection molding machine. 3,001,234, 9–26–61, Cl. 18—30.

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Renken, Claus J., Jr., to United States of America, Atomic Energy Commission. Nondestructive eddy current testing. 2,985,824, 5–23–61, Cl. 324—40.

Renkey, Albert L., to Harbison-Walker Refractories Co. Firing of lime refractories. 2,971,240, 2–14–61, Cl. 25—157.

Renkin, Robert F., to Sharon Steel Corp. Metal coating apparatus with movably mounted wiping means. Re. 24,985, 5–9–61, Cl. 118—68.

Rennat, Harry O.: *See*—
Lapala, Risto P., and Rennat. 3,006,818.

Renne, William C. Wallpaper trimming and pasting machine. 2,982,490, 5–2–61, Cl. 242—56.2.

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Renner, Elmer J., to Stephens-Adamson Mfg. Co. Pulley hubs. 2,998,731, 9–5–61, Cl. 74—230.8.

Renner, George O., and R. F. Voelz, to Renner Mfg. Co. Excavating bucket digging teeth. 2,984,028, 5–16–61, Cl. 37—142.

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Renner, Hermann, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Apparatus for fractionated partition and separation of dissolved substances between two liquid phases. 2,980,514, 4–18–61, Cl. 23—270.5.

Renner, Jack F., to Sinclair Refining Co. Process for the production of pitch comprising heating and concurrently air-blowing the bottoms of a distilled catalytically cracked gas oil. 2,991,241, 7–4–61, Cl. 208—4.

Renner, Jack F., to Sinclair Refining Co. Process for producing a petroleum base pitch. 2,992,181, 7–11–61, Cl. 208—22.

Renner Mfg. Co.: *See*—
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Rennhard, Hans H.: *See*—
Blackwood, Robert K., Rennhard, Beereboom, and Stephens. 2,984,686.

Rennhard, Hans H., to Chas. Pfizer & Co., Inc. 1:3:3-acetaldehyde-ammonia adducts of tetracycline and its analogs. 3,005,024, 10–17–61, Cl. 260—559.

Rennhard, Hans H., L. H. Conover, P. N. Gordon, and C. R. Stephens, Jr., to Chas. Pfizer & Co., Inc. New derivatives of the tetracycline-type antibiotics. 3,002,021, 9–26–61, Cl. 260—559.

Rennick, John L.: *See*—
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Rennspies, Klaus. Driving mechanism for sound recording and reproducing devices. 3,010,331, 11–28–61, Cl. 74—207.

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Renoud, James D., to R. F. Renoud. Cable hoist. 3,002,727, 10–3–61, Cl. 254—150.

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Renoux, Pierre E., to Cri-Dan. Control system for the transverse reciprocating movement of a tool-holder carriage for thread-cutting machines. 2,973,528, 3–7–61, Cl. 10—101.

Renoux, Robert A., to Societe d'Applications Industrielles Plastiques. Apparatus for pressing gramophone records. 2,998,622, 9–5–61, Cl. 18—5.3.

Rensch, Eberhard G. Bookstand. 2,972,415, 2–21–61, Cl. 211—42.

Renshaw, John P. Rotary engine. 3,012,551, 12–12–61, Cl. 123—13.

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Dilling, Marion R., Renshaw, and Barger. 3,007,632.
Fender, Keith L., Renshaw, and Dilling. 2,993,642.

Renshaw, Philip E., and S. D. Barger, and C. B. Crumb, Jr., to Tally Register Corp. High speed electric pulse counter and relay mechanism. 2,984,413, 5–16–61, Cl. 235—92.

Renshaw, Philip E., to Tally Register Corp. Continuous card sorting method and apparatus. 3,007,572, 11–7–61, Cl. 209—110.

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Rentschler, Karl F., to Alfred Gauthier G.m.b.H. Photographic intra-lens shutter with delayed action device. 2,973,701, 3–7–61, Cl. 95—53.6.

Rentschler, Karl F., deceased, by W. T. Rentschler, executor, to Alfred Gauthier, G.m.b.H. Photographic camera having automatic exposure setting means. 3,007,387, 11–7–61, Cl. 95—53.

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Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera. 2,975,692, 3–21–61, Cl. 95—64.

Rentschler, Waldemar T., to Alfred Gauthier G.m.b.H. Photographic intra-lens shutter with coupled exposure meter. 2,976,788, 3–28–61, Cl. 95—10.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with coupled exposure meter. 2,979,998, 4–18–61, Cl. 95—10.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic intra-lens shutter with a delayed action device and contact arrangement for flash release. 2,979,999, 4–18–61, Cl. 95—11.5.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera. 2,980,005, 4–18–61, Cl. 95—64.

Rentschler, Waldemar T., to A. Gauthier, G.m.b.H. Setting device for photographic cameras. 2,982,149, 5–2–61, Cl. 74—527.

Rentschler, Waldemar T., to Alfred Gauthier G.m.b.H. Camera. 2,988,977, 6–20–61, Cl. 95—64.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with coupled exposure meter. 2,989,905, 6–27–61, Cl. 95—10.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic or cinematographic camera. 2,989,906, 6–27–61, Cl. 95—11.

Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic intra-lens shutter and coupled exposure device. 2,992,600, 7–18–61, Cl. 95—10.

Rentschler, Waldemar T., to Alfred Gauthier G.m.b.H. Photographic camera with automatic exposure setting. 2,993,422, 7–25–61, Cl. 95—10.
Rentschler, Waldemar T., to Alfred Gauthier G.m.b.H. Photographic camera. 2,993,425, 7–25–61, Cl. 95—64.
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Rentschler, Waldemar T., to Alfred Gauthier G.m.b.H. Photographic camera having automatic exposure setting. 3,000,281, 9–19–61, Cl. 95—10.
Rentschler, Waldemar T., and F. W. R. Starp, to Alfred Gauthier G.m.b.H. Photographic shutter with delayed-action device. 2,984,168, 5–16–61, Cl. 95—53.6.
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Repasky, Joseph and G., to Greensburg Concrete Block Co. Pallet handling and conveying apparatus. 2,990,069, 6–27–61, Cl. 214—6.
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Reppe, Walter, and M. Seefelder, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of vinyl compounds. 2,978,450, 4–4–61, Cl. 260—257.
Reppe, Walter, and A. Magin, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Borine carbonyls and their production. 3,006,961, 10–31–61, Cl. 260—606.5.
Reppe, Walter, N. von Kutepow, and H. Bille, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Carbonylation of alcohols, esters and ethers with carbon monoxide. 3,014,962, 12–26–61, Cl. 260—532.
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Post, James D. 2,978,098.
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Benesch, Reinhold and R. E. 3,007,918.
Buck, Dudley A. 3,011,711.
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Hass, Henry B., and Skell. 2,978,451.
Hedberg, Carl W., and Streuber. 2,976,130.
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Guldemond, John, Van Hoesen, and Willison. 2,984,773.
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Ototani, Tohei. 2,974,035.
Ototani, Tohei. 3,000,731.
Research Institute of Temple University: *See*—
Grosse, Aristid V., and Streng. 2,992,540.
Research Instrument Corp.: *See*—
Robinson, Alfred D. 2,992,170.
Research Products Corp.: *See*—
Shoemaker, Milton J. 2,971,914.
Research Unlimited, Inc.: *See*—
Bednar, William A., and Crawford. 2,993,297.
Reserve Mining Co.: *See*—
Anderson, Raymond W., and Kamrud. 2,974,889.
Makela, Eino R. 2,974,358.
Molinaro, Lawrence J. 3,006,439.
Resina Automatic Machinery Co., Inc.: *See*—
Weller, Arthur W., and Lanigan. 2,972,846.
Resinoid Engineering Corp.: *See*—
Herbst, Clarence A. 2,989,656.
Resistance Welders Ltd.: *See*—
Gordon, Samuel H. 2,972,672.
Resistoflex Corp.: *See*—
Titterton, William E., and Kamp. 2,983,961.
Resk, William, to Peelquik Co., Inc. Vegetable-peeling appliance for removable application to a sink. 3,009,658, 11–21–61, Cl. 241—101.
Reske, Richard F., and L. I. Siegel, to Federal Lighting Corp. Illumination system. 2,981,386, 4–25–61, Cl. 189—85.
Resler, John. Auxiliary gravel and dirt levelling blade. 2,991,570, 7–11–61, Cl. 37—143.
Resnick, Bernard, to United States of America, Army. Altitude computer. 2,993,644, 7–25–61, Cl. 235—186.
Resnick, Joseph Y. Apparatus for continuously sealing thermoplastic materials. 2,983,306, 5–9–61, Cl. 154—42.
Resnick, William: *See*—
Field, Edmund, Hoff, and Resnick. 3,010,948.
Ress, Thomas I., to International Business Machines Corp. Electro-optical data processing system. 2,967,664, 1–10–61, Cl. 235—61.6.
Ress, Thomas I., to International Business Machines Corp. Electro-optical binary counter. 2,985,763, 5–23–61, Cl. 250—208.
Resseguie, Robert E.: *See*—
Gelenius, Robert B., and Resseguie. 2,995,949.
Ressler, Daniel W. Catch basin construction. 2,993,600, 7–25–61, Cl. 210—164.
Ressler, Hugh C., to Hogan Faximile Corp. Graphic recording apparatus. 2,971,810, 2–14–61, Cl. 346—74.
Restall, William E., Jr.: *See*—
Hershey, Harold J., Jordan, and Restall. 2,988,631.
Retallick, William B. Distillation and absorption process. 2,974,750, 3–14–61, Cl. 183—115.
Retherford, Horace G. Thread protector. 2,983,467, 5–9–61, Cl. 242—137.1.
Rethmeier, Karel L., to Shell Oil Co. Quick-acting reversing valve with speed compensation. 3,013,539, 12–19–61, Cl. 121—157.
Reto, Joseph L.: *See*—
Hawk, Elwin A., Sr. 2,967,645.
Retor Developments Ltd.: *See*—
Magor, Lincoln S. 2,995,899.
Re-Trac Mfg. Corp.: *See*—
Mosby, Edgar T. 2,969,715.
Rettew, Harry W. Tire chain setup. 2,975,815, 3–21–61, Cl. 152—236.
Rettig, August, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Apparatus for mixing, kneading and homogenizing. 3,009,685, 11–21–61, Cl. 259—7.
Rettinger, Michael: *See*—
Pettus, James L., and Rettinger. 2,986,608.
Rettinger, Michael, to Radio Corp. of America. Magnetic head construction. 2,984,709, 5–16–61, Cl. 179—100.2.

Rettinger, Michael, and C. N. Shipman, Jr., to Radio Corp. of America. Miniature reverberation chamber system. 2,986,228, 5–30–61, Cl. 181—.5.

Retzer, Theodore C.: *See*—
Beese, Norman C., and Retzer. 2,995,064.

Retzler, William: *See*—
Goddard, John A., and Retzler. 2,984,093.

Retzsch, Clinton E., J. Levy, and C. H. Lighthipe, to Nopco Chemical Co. Fat-liquoring process. 2,974,000, 3–7–61, Cl. 8—94.23.

Reumerman, Theodorus, and W. H. T. Helmig. Check symbol computers. 2,974,865, 3–14–61, Cl. 235—153.

Reumerman, Theodorus, and W. H. T. Helmig Translation of symbols into electric signals. 2,980,801, 4–18–61, Cl. 250—106.

Reuschel, Konrad: *See*—
Hoffmann, Arnulf, Keller, Reuschel, and Rummel. 2,970,-111.
Schweickert, Hans, Reuschel, and Gutsche. 3,011,877.

Reuschel, Konrad, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for producing hyper-pure semiconductor material, particularly silicon. 2,999,735, 9–12–61, Cl. 23—223.5.

Reustle, Frank A. Coating machine. 2,969,894, 1–31–61, Cl. 222—113.

Reustle, Walter C., to Westinghouse Air Brake Co. Railway traffic controlling apparatus. 2,976,403, 3–21–61, Cl. 246—26.

Reuter, Charles R.: *See*—
Huetten, Clarence, Reeve, and Reuter. 2,999,916.

Reuter, Franz G.: *See*—
Kniepkamp, Ernst, and Reuter. 2,999,707.
Nohse, Ulrich, and Reuter. 3,011,197.
Ulderup, Jürgen, and Reuter. 2,999,679.

Reuter, Franz G., to Mobay Chemical Co. Coupling device. 2,969,656, 1–31–61, Cl. 64—11.

Reuter, Franz G., to Mobay Chemical Co. Bearings of plastics. 2,981,573, 4–25–61, Cl. 308—36.1.

Reuter, Franz G., to Mobay Chemical Co. Cutter blade guide means. 2,984,963, 5–23–61, Cl. 56—305.

Reuter, Franz G., and G. S. Kindel, to Mobay Chemical Co. Flexible shaft connections. 2,971,356, 2–14–61, Cl. 64—27.

Reuter, Franz G., and H. J. Nagenborg, to Mobay Chemical Co. Buffer stop for power looms. 2,972,360, 2–21–61, Cl. 139—166.

Reuter, Franz G., and J. Ulderup, to Mobay Chemical Co. Spring. 2,983,504, 5–9–61, Cl. 267—56.

Reuter, Franz G., and H. Kordes, to Mobay Chemical Co. Method and mold for making seamless polyurethane containers. 2,985,916, 5–30–61, Cl. 18—39.

Reuter, Franz G., and R. Igelbrinck, to Mobay Chemical Co. Resilient railway wheel. 2,999,717, 9–12–61, Cl. 295—11.

Reuter, Franz G., and H. Nagenborg, to Mobay Chemical Co. Buffer for power looms. 3,005,471, 10–24–61, Cl. 139—166.

Reuter, Henry G., Jr., to Radio Corp. of America. Film viewer and reproducer. 2,979,026, 4–11–61, Cl. 118—637.

Reuter, Henry G., Jr., to Radio Corp. of America. Film viewer and reproducer. 3,002,434, 10–3–61, Cl. 95—1.7.

Reuter, Martin, L. Orthner, E. Wolf, and F. Jakob, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Organic nitrogenous quaternary phosphorus compounds and method of making the same. 2,995,551, 8–8–61, Cl. 260—249.6.

Reuter, Martin, and L. Orthner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing tetra-hydroxymethyl phosphonium hydroxide. 3,007,969, 11–7–61, Cl. 260—606.5.

Reuter, Martin, E. Wolf, and L. Orthner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Non-combustible phosphorus-containing condensation resins and process for their manufacture. 3,008,926, 11–14–61, Cl. 260—67.6.

Reuter, Paul L., to The Bendix Corp. Mach number and airspeed computer with correction differential. 2,969,910, 1–31–61, Cl. 235—61.

Reuther, John F., and J. D. Finley, to Westinghouse Electric Corp. Electric control circuit. 2,999,201, 9–5–61, Cl. 322—28.

Reuther, John F., and J. T. Carleton, to Westinghouse Electric Corp. Electrical control apparatus. 3,001,123, 9–19–61, Cl. 322—25.

Reuther, John F., to Westinghouse Electric Corp. Voltage reference circuit for generators. 3,002,143, 9–26–61, Cl. 322—36.

Reutter, Jean-Léon, to Societe Anonyme des Usines Chausson. Alternating movement synchronous compressor. 2,988,264, 6–13–61, Cl. 230—55.

Reuwer, Milton J., and B. Rogge, to United States of America, Army. Trigger mechanism. 2,977,852, 4–4–61, Cl. 89—1.

Revco, Inc.: *See*—
Crotser, Frank P. 2,986,900.
Crotser, Frank P. 2,990,698.
Crotser, Frank P., and Brown. 2,984,083.

Reveal, Gordon. Cup holder. 2,979,301, 4–11–61, Cl. 248—214.

Revenue Stamp Co.: *See*—
Foster, Forrest K. 2,982,075.
Shelton, William E. 2,982,076.

Reverdin, Daniel: *See*—
Lerbs, Alfred, and Reverdin. 2,992,354.

Reverdin, Daniel, to Compagnie Generale de Telegraphie Sans Fil. Suppressor device for the secondary emission current in magnetic field electronic tubes. 2,992,360, 7–11–61, Cl. 315—39.3.

Revere Camera Co.: *See*—
Briskin, Theodore S., Lustig, and Moore. 2,995,061.
Briskin, Theodore S., Moore, and Rom. 2,968,993.
Briskin, Theodore S., Moore, and Wickstrom. 3,002,435.
Tibbetts, Raymond E., and Gilkeson. 2,975,674.
Turula, Eugene, and Lynch. 3,000,259.

Revere Camera Co. (formerly Samico Corp.): *See*—
Herden, Robert B. 3,012,471.
Lynch, Geraldine B., Gilkeson, and Turula. 2,997,921.
Turula, Eugene, and Lynch. 3,000,260.

Revere Copper and Brass Inc.: *See*—
Gibbs, Leland E. 2,995,807.
Wilkins, Richard A. 3,004,330.
Wilkins, Richard A. 3,010,200.
Wilkins, Richard A., and Dubilier. 2,982,012.

Revere Corp. of America.: *See*—
MacDonald, Dennison H., and De Pietro. 3,002,384.
McKeag, Malcolm F. 2,976,763.

Revesz, Guy H., and J. C. Steinsberger, to Caisson Corp. Method and apparatus for underpinning a building. 2,982,-103. 5–2–61. Cl. 61—51.

Revlon, Inc.: *See*—
Alexander, Everett, Greif, Jass, and Stetzer. 2,974,-089.

Revolt, Edward E. Child's enclosure. 2,992,440, 7–18–61, Cl. 5—93.

Revord, Leonell J. E. Fishing apparatus. 2,999,328, 9–12–61, Cl. 43—17.

Rex Asbestwerke Graf von Rex K.G.: *See*—
Wilke, Werner, and Fetzer. 2,972,221.

Rexall Drug and Chemical Co.: *See*—
Tupper, Earl S. 2,998,158.

Rexer, Herman P.: *See*—
Stimson, Allen G., Fox, and Rexer. 2,996,673.

Rexford, Donald L., H. N. Hoffman, and S. Jacobs, to General Electric Co. Balanced governing valve with minimum reaction gradients. 2,970,806, 2–7–61, Cl. 251—210.

Rexford, Harry E., to Corning Glass Works. Capacitor edge sealing. 2,987,600, 6–6–61, Cl. 219—19.

Rey, Jean C. Process for building up sleeves for Diesel and other engines. 2,968,865, 1–24–61, Cl. 29—401.

Reykjalin, Charles, to Koren Research & Engineering Co. Friction controlling powder for frictional devices. 2,968,617, 1–17–61, Cl. 252—30.

Reymes-Cole, Bernard T. R.: *See*—
Reymes-Cole, John M. R. and B. T. R. 2,980,981.

Reymes-Cole, John M. R. and B. T. R., to Singer-Fidelity, Inc. Ladies' stockings. 2,980,981, 4–25–61, Cl. 28—72.

Reynar, John H., to Layton-Greenfield, Inc. Suction roll construction. 2,969,837, 1–31–61, Cl. 162—371.

Reynaud, William O., to United States of America, Army. Automatic vacuum valve. 3,014,491, 12–26–61, Cl. 137—112.

Reynders, Charlton. Method of operation of a top-fired open hearth furnace. 2,970,829, 2–7–61, Cl. 263—52.

Reyner, Charles T. Reflectors. 3,012,478, 12–12–61, Cl. 88—78.

Reynick, Donald A.: *See*—
Peters, Norman K., and Reynick. 2,971,326.

Reynolds Aluminum Supply Co.: *See*—
Vicknair, Sidney H., Jr. 2,971,558.

Reynolds, Andrew C., Jr., to International Business Machines Corp. Error detecting and correcting circuits. 2,969,912, 1–31–61, Cl. 235—153.

Reynolds, Andrew C., Jr., to General Time Corp. Signal generating apparatus. 2,997,702, 8–22–61, Cl. 340—309.1.

Reynolds, Andrew C., Jr., to General Time Corp. Adaptor for operating D.-C. timing device on A.-C. supply line. 3,011,078, 11–28–61, Cl. 307—140.

Reynolds, Andrew C., Jr., to General Time Corp. Lighted numerical time display clock. 3,015,094, 12–26–61, Cl. 340—338.

Reynolds, Blake, to Texaco Development Corp. Method of operating an internal combustion engine. 2,977,942, 4–4–61, Cl. 123—32.

Reynolds, Charles B. Multi-purpose combination valve. 2,972,356, 2–21–61, Cl. 137—625.4.

Reynolds, Coy: *See*—
Borroff, John D., and Reynolds. 2,985,919.
Borroff, John D., and Reynolds. 2,985,920.
Borroff, John D., and Reynolds. 2,985,972.

Reynolds, Daniel J., to United States of America, Army. Mosquito egg harvester. 2,970,565, 2–7–61, Cl. 119—17.

Reynolds, Donald C., to United States of America, Air Force. Cadmium sulfide barrier layer cell. 2,981,777, 4–25–61, Cl. 136—89.

Reynolds, Donald S., and O. E. Werner, Jr., to Automatic Canteen Co. of America. Brewing apparatus. 3,007,391, 11–7–61, Cl. 99—289.

Reynolds, Edward L.: *See*—
Suller, William J., and Fernandez. 2,970,679.

Reynolds, Ellwood W., to Western Electric Co., Inc. Testing of seams in cable sheathing. 2,984,100, 5–16–61, Cl. 73—88.

Reynolds, Elmer N. Sprinkler head. 2,990,120, 6–27–61, Cl. 239—97.

Reynolds, Eugene E., to Marchant Calculators, Inc. Registers. 2,973,898, 3–7–61, Cl. 235—61.

Reynolds, Frederick N., to The F. A. Neider Co. Leg mounts for furniture glide units, or the like. 3,000,041, 9–19–61, Cl. 16—42.

Reynolds, Frederick N., to The F. A. Neider Co. Leg mount for furniture glides. 3,000,042, 9–19–61, Cl. 16—42.

Reynolds, Frederick W., to Bell Telephone Laboratories, Inc. Solid state light sensitive storage device. 3,011,089, 11–28–61, Cl. 315—10.

Reynolds Gas Regulator Co.: *See*—
Hughes, George C. 2,987,073.

Reynolds, George T.: *See*—
Bleakney, Walker, Rojansy, Delsasso, Reynolds, and Kramer. 2,993,372.

Reynolds, Harold C., R. W. Lees, and A. F. Gagne, Jr., to Ingersoll-Rand Co. Feeding and retaining mechanism. 2,978,937, 4–11–61, Cl. 81—53.

Reynolds, Harold C., R. C. O'Neill, and J. D. Garber, to Merck & Co., Inc. Diaminodiphenylsulfone glycidyl resins. 3,014,895, 12–26–61, Cl. 260—79.3.

Reynolds, Harold C., R. E. Jones, and J. D. Garber, to Merck & Co., Inc. N-(5-hydroxymethyl-2-tetrahydrofurfuryl)amides and derivatives thereof. 3,014,926, 12–26–61, Cl. 260—347.2.

Reynolds, Jack: *See*—
McQuillan, Marion K., and Reynolds. 2,977,261.

Reynolds, Jack H., to The National Cash Register Co. Checking device for record controlled recording apparatus. 2,985,362, 5–23–61, Cl. 234—22.

Reynolds, James P., and H. A. Dykstra, to Aeroquip Corp. Pipe coupling having a deformable sealing element. 2,992,840, 7–18–61, Cl. 285—332.3.

Reynolds, Joe C. and W. M. Reel mower with mulching means. 2,979,879, 4–18–61, Cl. 56—26.

Reynolds, Joseph F. General-utility accessory devices for agricultural tractors and the like. 3,004,677, 10–17–61, Cl. 214—140.

Reynolds, Lee J., ½ to V. G. Rinn. Gadget bag. 2,988,125, 6–13–61, Cl. 150—52.

Reynolds, Manning S.: *See*—
Fritchle, Frank P., Reynolds, and Takata. 2,970,798.

Reynolds Metals Co.: *See*—
Balfour, Joseph. 2,966,728.
Baughan, Drury H. 2,970,736.
Baxter, Bruce L. 2,999,306.
Bressler, Franklin D. 3,007,586.
Cage, James. 2,969,902.
Cybriwsky, Alexander, Hager, and Schardein. 2,990,304.
Cybriwsky, Alexander, and Mostovych. 2,967,136.
Dedrick, John H. 2,966,729.
De Ridder, Ernst J. 2,979,842.
Jacke, Raymond E. 2,998,178.
Jacke, Raymond E., and Manning. 2,970,735.
Kamlet, Jonas. 2,996,355.
McLean, John O., and Hendrick. 2,983,563.
McLean, John O., and Hendrick. 2,983,564.
Moritz, Gunther E. 2,983,972.
Payton, Leland R. 2,994,102.
Ramirez, Ernest R., and Barkman. 2,974,097.
Ramirez, Ernest R., and Barkman. 2,995,502.
Reynolds, William G. 2,994,946.
Reynolds, William G. 2,999,305.
Singleton, Ogle R., Jr., and Stein. 2,987,814.
Staples, Paul R. 2,993,263.
Thomas, Jesse B. 2,966,730.
Thomas, Jesse B. 3,003,228.
Thomas, Jesse B., and Karpuk. 2,975,002.
Walker, Charles T. 2,966,790.
Waller, Allen C., and Goeller. 3,004,141.
Wilson, Calvin L. 2,993,823.

Reynolds, Noel S. Piston assembly for hydraulic brake master cylinder. 2,973,231, 2–28–61, Cl. 309—33.

Reynolds, Orvel B., to Phillips Petroleum Co. Prestressed concrete units and structures. 2,971,295, 2–14–61, Cl. 50—133.

Reynolds, R. J., Tobacco Co.: *See*—
Keaton, Josiah L. 3,006,347.
Newsome, Henry I., and Cobler. 3,012,603.
Schumacher, Joseph N. 2,978,365.

Reynolds, Reginald J. W., and E. J. Vickers, to Imperial Chemical Industries Ltd. α: α-bis-(chloromethyl)-β-propiolactone and process for its production. 2,977,373, 3–28–61, Cl. 260—343.9.

Reynolds, Richard J., and S. H. Ruetman, to Shell Oil Co. Stabilized diene polymers with para-tert.-alkyl catechol. 3,006,888, 10–31–61, Cl. 260—45.95.

Reynolds, Richard J., and D. G. Norton, to Shell Oil Co. Composition comprising rubber and an N-monoalkyl polyalkyl aromatic diamine antiozonant. 3,014,889, 12–26–61, Cl. 260—45.9.

Reynolds, Robert H. Garment hanger. 3,001,677, 9–26–61, Cl. 223—95.

Reynolds, Stanley G., to Reynolds Televator Corp. Telescoping tower. 3,000,473, 9–19–61, Cl. 189—14.

Reynolds Televator Corp.: *See*—
Reynolds, Stanley G. 3,000,473.

Reynolds, Warren M.: *See*—
Luther, Herbert G., Reynolds, and Sherman. 2,971,885.
McKay, Alexander S., and Reynolds. 2,972,682.

Reynolds, Wayne: *See*—
Young, Howard S., Hargis, and Reynolds. 3,004,020.

Reynolds, William B.: *See*—
Bice, Charles C., and Reynolds. 2,993,769.

Reynolds, William B., to Phillips Petroleum Co. Rocket fuels containing nitrated hydroxylated polymers. 2,982,636, 5–2–61, Cl. 52—.5.

Reynolds, William B., and J. E. Pritchard, to Phillips Petroleum Co. Method of reacting heterocyclic nitrogen base polymers with quaternizing agent and metal oxide and product resulting therefrom. 2,970,132, 1–31–61, Cl. 260—86.1.

Reynolds, William B., and P. J. Canterino, to Phillips Petroleum Co. Chlorosulfonation of ethylene polymers. 2,972,604, 2–21–61, Cl. 260—79.3.

Reynolds, William B., and J. E. Pritchard, to Phillips Petroleum Co. Solid composite propellants containing inorganic oxidizing and polymeric quaternary ammonium compounds. 3,003,861, 10–10–61, Cl. 52—.5.

Reynolds, William G., to Reynolds Metals Co. Deep drawn heat exchanger. 2,994,946, 8–8–61, Cl. 29—157.3.

Reynolds, William G., to Reynolds Metals Co. Spiral heat exchanger. 2,999,305, 9–12–61, Cl. 29—157.3.

Reynolds, William M.: *See*—
Reynolds, Joe C. and W. M. 2,979,879.

Reynolds, William W., and H. Low, to Shell Oil Co. Stable mineral oil compositions. 3,007,873, 11–7–61, Cl. 252—49.6.

Reynolds, William W., and H. Low, to Shell Oil Co. Lubricating oil composition. 3,014,869, 12–26–61, Cl. 252—49.6.

Reynolds, William W., and H. Low, to Shell Oil Co. Lubricating oil composition. 3,014,870, 12–26–61, Cl. 252—49.6.

Reyrolle, A., & Co. Ltd.: *See*—
Legg, Duncan, and Young. 2,980,781.

Rezabek, Vernon E.: *See*—
Allin, George S., Sr., Liu, and Rezabek. 2,974,753.
Kirchler, Lewis, and Rezabek. 3,014,291.

Rezabek, Vernon E., to International Harvester Co. Operating mechanism for ejector gate and apron of self-loading scrapers. 2,998,662, 9–5–61, Cl. 37—126.

Rezny, Robert E.: *See*—
Rayford, Richard E., and Rezny. 3,008,324.

Rhea, Hal H., and E. J. Burke, to Carrier Corp. Heating and cooling apparatus. 2,976,696, 3–28–61, Cl. 62—115.

Rhea, Oscar H., to General Motors Corp. Method of undercutting a commutator. 2,967,347, 1–10–61, Cl. 29—155.54.

Rhea, Wilson A. Fuse-testing machine. 2,981,093, 4–25–61, Cl. 73—35.

Rheem Mfg. Co.: *See*—
Bellato, Frank A. 2,984,057.
Briggs, William A. 2,993,617.
Faber, Robert E., and Thomson. 3,001,058.
Perlin, Bernard. 3,011,601.
Pfeifer, Arthur A., de Mocskonyi, and Von Berg. 2,968,933.
Skinner, Burrhus F. 2,987,828.

Rhein-Chemie G.m.b.H.: *See*—
Kern, Rudolf, Scheurer, and Ultsch. 3,002,840.
Neumann, Karlheinz. 2,983,648.

Rheineck, Alfred E.: *See*—
Stenberg, Russell J., and Rheineck. 2,993,926.

Rheingold, Lawrence M.: *See*—
Berlin, Milton, and Rheingold. 3,000,251.

Rheingold, Lawrence M., and M. Berlin, to Templet Industries Inc. Cutting and forming die. 2,974,704, 3–14–61, Cl. 153—2.

Rhein-Handel, Gesellschaft fur Import, Export und Transit, Etablissement: *See*—
Draheim, Willi. 2,973,156.

Rheinische Gummi- und Celluloid-Fabrik: *See*—
Neff, Willy, and Gassner. 3,006,110.

Rheinische Maschinen und Apparate G.m.b.H.: *See*—
Dickmann, Johannes F. E., Klaue, and Helm. 3,010,642.

Rheinische Werkzeug-und Metallwarenfabrik G.m.b.H.: *See*—
Bruninghaus, Paul. 2,984,356.

Rheinische Zahnbohrer und Kleinfraserfabrik & Co.: *See*—
Muller, Heinz. 3,012,790.

Rheinmetall Aktiengesellschaft: *See*—
Becker, Willy. 2,973,708.

Rheinmetall G.m.b.H.: *See*—
Horn, Franz. 2,976,769.

Rheinpreussen Aktiengesellschaft fur Bergbau und Chemie: *See*—
Grimme, Walter, Keil, and Schmitz. 2,969,357.
Kolbel, Herbert, and Langheim. 2,969,273.

Rheinstahl Siegener Eisenbahnbedarf: *See*—
Trümper, Konrad. 2,984,479.

Rheinstahl Siegener Eisenbahnbedarf Aktiengesellschaft: *See*—
Raab, Karl, and Brill. 2,997,753.

Rheinstahl Wanheim Gesellschaft mit beschrankter Haftung: *See*—
Wilkenloh, Wilhelm, and Jäger. 2,989,001.
Wilkenloh, Wilhelm, and Jaeger. 3,012,404.

"Rhewum" Rheinische Werkzeug-und Metallwarenfabrik: *See*—
Brüninghaus, Paul. 2,984,622.

Rhine, Jules A. Tool feed and control. 2,991,760, 7–11–61, Cl. 121—45.

Rhine, William C., to Cutler-Hammer, Inc. Motor control system. 2,978,130, 4–4–61, Cl. 214—656.

Rhoades, John M., to General Electric Co. Position indicating device. 3,010,063, 11–21–61, Cl. 323—75.

Rhoades, John W.: *See*—
Bieberdorf, Frederick W., and Rhoades. 2,986,142.

Rhoades, Nolan: *See*—
Kamlukin, Igor, and Rhoades. 2,989,134.
Rhoads, George D., and G. L. Corsi, to Federal-Mogul-Bower Bearings, Inc. Fluid seal. 3,011,814, 12–5–61, Cl. 288—3.
Rhoads, George D., and V. L. Peickii, to Federal-Mogul-Bower Bearing, Inc. Nitrile rubber product and process for making the same. 3,013,307, 12–19–61, Cl. 18—53.
Rhoads, James L., and M. Berg, to Radio Corp of America. Method of sealing a metal member to a ceramic member. 3,006,069, 10–31–61, Cl. 29—473.1.
Rhoads, Joseph E. Process for surfacing presoftened polyamide and an in situ curable elastomer. 2,999,764, 9–12–61, Cl. 117—47.
Rhodehamel, Charles M. Golf club calibration device. 2,973,581, 3–7–61, Cl. 33—174.
Rhodes, Alan: *See*—
Arakelian, Arthur N., Rhodes, and Hopkins. 3,004,996.
Bessell, Christine J., Anslow, Mortimer, Fletcher, and Rhodes. 3,013,947.
Rhodes, Alan, and D. L. Fletcher, to Glaxo Laboratories Ltd. Production of antibiotics and antibiotic-containing products. 2,986,496, 5–30–61, Cl. 195—80.
Rhodes, Alan, and K. A. Lees, to Glaxo Laboratories Ltd. Compositions containing griseofulvin. 3,008,876, 11–14–61, Cl. 167—65.
Rhodes, Allen F.: *See*—
Eichenberg, Robert, and Rhodes. 2,971,527.
Jackson, John G., Jr., and Rhodes. 2,990,851.
Rhodes, Allen F., and J. Beson, to McEvoy Co. Apparatus for setting pipes in tension. 3,011,552, 12–5–61, Cl. 166—67.
Rhodes, Barry V.: *See*—
Bloxsom, Daniel E., Jr., and Rhodes. 2,995,035.
Rhodes, Charles K. Amusement device. 2,998,673, 9–5–61, Cl. 46—43.
Rhodes, Charles W., to Tektronix, Inc. Current control circuit. 3,009,094, 11–14–61, Cl. 323—66.
Rhodes, Chester R. Wiping contact rotary relay. 2,976,379. 3–21–61, Cl. 200—87.
Rhodes, Chester R., to Electro-Mechanical Specialties Co., Inc. Electromagnetic structure. 3,001,107, 9–19–61, Cl. 317—189.
Rhodes, Chester R., to Electro-Mechanical Specialties Co., Inc. Minature modular relay. 3,001,048, 9–19–61, Cl. 200—87.
Rhodes, Gilbert L. Safety cap for containers. 2,990,075, 6–27–61, Cl. 215—9.
Rhodes, Harold A., to American Telephone and Telegraph Co. Transmission network. 2,988,712, 6–13–61, Cl. 333—11.
Rhodes, Harold B. Electrical musical instrument in the nature of a piano. 2,972,922, 2–28–61, Cl. 84—1.15.
Rhodes, Herbert C. Device for depositing material in particle form on bakery products and the like. 3,014,451, 12–26–61, Cl. 118—24.
Rhodes, J. F., Co.: *See*—
Erke, August F. 2,988,391.
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Condit, Robert E., and Rhodes. 2,986,913.
Rhodes, Joseph C., to Standard Oil Co. Automatic end point apparatus. 2,967,423, 1–10–61, Cl. 73—17.
Rhodes, Joseph C., and R. B. Jacobs, to Standard Oil Co. Flash detector approving device. 2,971,365, 2–14–61, Cl. 73—36.
Rhodes, Joseph C., J. P. Segers, and A. V. Lacko, to Standard Oil Co. Laboratory flash point tester. 2,974,519, 3–14–61, Cl. 73—36.
Rhodes, Junior I., to General Electric Co. Power conserving mixer and oscillator. 2,994,767, 8–1–61, Cl. 250—20.
Rhodes, Keith H.: *See*—
May, Claude H., and Rhodes. 2,982,277.
Rhodes, M. H., Inc.: *See*—
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Rhodes, Melvin H. Electronic fader circuit. 2,996,629, 8–15–61, Cl. 307—8.5.
Rhodes, Michael S., and R. G. Spaunburgh, to Allied Chemical Corp. Isocyanate modified alkyds stabilized with an allphatic alcohol. 2,970,123, 1–31–61, Cl. 260—22.
Rhodes, Philip H., and D. W. Broughton, to Nu-Plastics, Inc. Production of polyethylene powder. 3,008,946, 11–14–61, Cl. 260—94.9.
Rhodes, Roland N.: *See*—
Freedman, Larry A., and Rhodes. 2,995,621.
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Rhodes, Roland N., to Radio Corp. of America. Delayed action color killer and automatic chroma control circuit. 2,975,231, 3–14–61, Cl. 178—5.4.
Rhodes, Roland N., to Radio Corp. of America. Signal translating system. 3,009,111, 11–14–61, Cl. 329—50.
Rhodes, Roland N., and F. H. Nicoll, to Radio Corp. of America. Light reflection reducing device. 2,977,412, 3–28–61, Cl. 178—7.85.
Rhodes, Roland N., and J. O. Preisig, to Radio Corp. of America. Color television receiver chrominance control circuit. 2,982,812, 5–2–61, Cl. 178—5.4.
Rhodes, Solomon M. Pressure foot device. 2,985,126, 5–23–61, Cl. 112—235.
Rhodes, Thomas J., to United States Rubber Co. Rubber shaping and vulcanizing apparatus. 2,978,747, 4–11–61, Cl. 18—12.
Rhodes, Thomas J., to United States Rubber Co. Conveyor. 2,984,335, 5–16–61, Cl. 198—203.
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Rhyne, Earl C., Jr., to The Warren Mfg. Co., Inc. Battery charging apparatus. 2,986,690, 5–30–61, Cl. 320—32.
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Rhys, David W., to The International Nickel Co., Inc. Brazing alloy. 2,988,446, 6–13–61, Cl. 75—134.
Riabovol, Prokop, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Process of purifying beryllium compounds. 2,974,011, 3–7–61, Cl. 23—183.
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Ribaudo, Tony. Ironing board. 2,974,431, 3–14–61, Cl. 38—121.
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Ribeyrolles, Marguerite (nee Gantillon): *See*—
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Ribka, Joachim, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Disazo-dyestuff insoluble in water. 2,984,660, 5–16–61, Cl. 260—176.
Riblet, Henry B., to Vitro Corp. of America. Automatic data plotter. 2,985,499, 5–23–61, Cl. 346—108.
Riblet, Henry J. Temperature compensated microwave cavity. 2,998,582, 8–29–61, Cl. 333—83.
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Sowder, Tony R. 2,985,224.
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Ricards, Harold A., Z. W. Wilchinsky, and H. W. Anderson, to Esso Research and Engineering Co. High efficiency hydrocarbon separation process employing molecular sieve adsorbents. 2,988,502, 6–13–61, Cl. 208—310.
Ricci, Ernest A. Tire trimming device. 2,992,483, 7–18–61, Cl. 30—280.
Ricci, Henry, to Outboard Marine Corp. Saw chain. 2,990,860, 7–4–61, Cl. 143—135.
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Rice, Albert E. and A. F. 2,986,767.
Rice, Albert E. and A. F. Caster. 2,986,767 6–6–61. Cl. 16—21.
Rice, Alec, to Bristol Siddeley Engines Ltd. Automatic change-speed gearing. 2,977,816, 4–4–61, Cl. 74—472.
Rice, Alvist V. Self-sealing container. 2,970,737, 2–7–61, Cl. 229—7.
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Rice, Donald J. Television antenna terminal clip. 3,013,243, 12–12–61, Cl. 339—150.
Rice, Donald M., to Sivad Ceramic Corp. Refractory furnace and ladle lining materials. 3,010,837, 11–28–61, Cl. 106—56.
Rice, Donald W. Collapsible portable building. 3,012,291, 12–12–61, Cl. 20—2.
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Mickus, Robert R., and Brewer. 2,990,255.
Rice, Harlan M.: *See*—
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Rice, Harold W., to Robertshaw-Fulton Controls Co. Thermocouples and method of making the same. 2,985,949, 5–30–61, Cl. 29—155.5.
Rice, Jessie A., 25% to C. R. Blake. Automobile cooling unit. 2,970,456, 2–7–61, Cl. 62—244.
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Wright, Esmond P. G., and Rice. 3,001,021.
Wright, Esmond P. G., Weir, and Rice. 2,981,789.
Rice, Joseph. Tremolo. 2,967,909, 1–10–61, Cl. 179—1.
Rice, Livingston L., and D. F. Dagnoli, to Sprague Electric Co. Capacitor terminal connection. 3,009,086, 11–14–61, Cl. 317—260.

Rice, Leonard M., and C. H. Grogan, to The Geschickter Fund for Medical Research Inc. 3-azabicyclo [3:2:0] heptane and derivatives thereof. 2,973,368, 2–28–61, Cl. 260—313.
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Rice, Maurice A., to North Star Dairy. Method of preparing instant dry milk. 2,994,612, 8–1–61, Cl. 99—56.
Rice, Millard L., and W. P. Barnes, Jr., to Atlantic Research Corp. Rocket projectile. 2,977,879, 4–4–61, Cl. 102—49.
Rice, Owen R., to Koppers Co., Inc. Process for heating and humidifying blast for metallurgical furnaces. 2,970,901, 2–7–61, Cl. 75—41.
Rice, Owen R., to Koppers Co., Inc. Direct heating of blast furnace air blast. 3,002,738, 10–3–61, Cl. 266—30.
Rice, Paul E. Orthopedic shoe. 2,967,360, 1–10–61, Cl. 36—8.5.
Rice, Ralph E., Jr.: *See*—
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Rice, Robert B., to Phillips Petroleum Co. Method of seismic prospecting. 2,974,743, 3–14–61, Cl. 181—.5.
Rice, Roger P., Jr., to Time, Inc. Positioning clutch. 2,971,620, 2–14–61, Cl. 192—18.
Rice, Russell W., Jr., to International Business Machines Corp. Printing mechanism. 3,001,628, 9–26–61, Cl. 197—52.
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Rice, Stanley E., to The Cambridge Tile Mfg. Co. Grooved tile and method of cutting same to form discrete elements. 3,008,256, 11–14–61, Cl. 41—23.
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Rice, Walter A., to Mohasco Industries, Inc. Method and apparatus for making tufted pile fabrics. 2,985,124, 5–23–61, Cl. 112—79.
Rice, Willard H., to Raymond International, Inc. Hydraulic pile puller. 2,996,888, 8–22–61, Cl. 61—53.64.
Rice, Willard H., and E. A. Smith, to Raymond International, Inc. Core structures for driving and retapping shell type piles. 2,996,887, 8–22–61, Cl. 61—53.7.
Rice, William E., to Clark Equipment Co. Sway control suspension for vehicles. 2,970,848, 2–7–61, Cl. 280—124.
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Rich, Alan L., to United States of America, Air Force. Jitteriess pulse delayer using a synchronized delay circuit and duo-triode gate. 3,013,213, 12–12–61, Cl. 328—177.
Rich, Carl, to Kinghurst Ltd. Pressure suit. 3,000,010, 9–19–61, Cl. 2—2.1.
Rich, Donald G., to Carrier Corp. Heat exchanger for thermoelectric apparatus. 3,006,979, 10–31–61, Cl. 136—4.
Rich, Everett W. Tricycle with steerable rear wheels. 2,995,384, 8–8–61, Cl. 280—269.
Rich, George H. Garage doors. 2,993,572, 7–25–61, Cl. 189—34.
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Rich, Harold, and D. W. Baker, 2nd, to General Electric Co. High-shock moving-coil electrical instrument. 2,982,915, 5–2–61, Cl. 324—154.
Rich, Harold, and R. M. Rowell, to General Electric Co. Long-scale instrument. 2,996,672, 8–15–61, Cl. 324—150.
Rich, Herbert G., to Fisher Governor Co. Direct operated reset pilot. 2,969,802, 1–31–61, Cl. 137—85.
Rich, Howard B., to Howard B. Rich, Inc. Ladder construction. 3,006,434, 10–31–61, Cl. 182—206.
Rich, Howard B., Inc.: *See*—
Rich, Howard B. 3,006,434.
Rich, John E., to North American Philips Co., Inc. Amplifier for electrically heated stylus. 3,002,802, 10–3–61, Cl. 346—76.
Rich, John P., to Improved Machinery Inc. Pulper. 2,973,153, 2–28–61, Cl. 241—46.
Rich, John P., to Improved Machinery Inc. Filter. 2,998,883, 9–5–61, Cl. 210—404.
Rich, Samuel M. Safety means in air brake equipment. 2,977,157, 3–28–61, Cl. 303—84.
Rich, Sidney L. Cigar. 2,985,175, 5–23–61, Cl. 131—4.
Rich, Stanley R., to The General Ultrasonics Co. Vibrator and diaphragm assembly. 2,995,347, 8–8–61, Cl. 259—72.
Rich, Theodore A., to General Electric Co. Feedback amplifier circuit. 2,992,395, 7–11–61, Cl. 330—110.
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Richard, Charles D., and E. T. Gillman, to Putnam Rolling Ladder Co., Inc. Extension type ladder. 3,009,532, 11–21–61, Cl. 182—46.
Richard, Kurt, and H.-E. Hildebrandt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of granular products. 3,004,294, 10–17–61, Cl. 18—55.
Richard, Louis M. J. C. Apparatus for the continuous recording of industrial harmonics. 2,979,657, 4–11–61, Cl. 324—77.

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Sanders, Benjamin E., Richard, and Miller. 3,003,918.
Richard, William E.: *See*—
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Richards, Brinley T., to Titeflex, Inc. Method of manufacturing a wire mesh body. 3,010,195, 11–28–61, Cl. 29—419.
Richards, Charles H., and W. A. Geohegan. Constant voltage A.C. generator. 2,977,526, 3–28–61, Cl. 322—3.
Richards, Everly D., and D. A. Lewis. Dump truck discharge attachment. 2,997,213, 8–22–61, Cl. 222—176.
Richards, Frank A.: *See*—
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Richards, Fred P. Lateral-shift litter. 2,984,842, 5–23–61, Cl. 5—82.
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Richards, Gerald V., to Container Corp. of America. Display carton. 2,983,371, 5–9–61, Cl. 206—65.
Richards, Glenn L., to General Dynamics Corp. Blocking oscillator controlled two-transistor bilateral switch. 2,976,431, 3–21–61, Cl. 307—88.5.
Richards, Glenn L., to General Dynamics Corp. Data storage system. 2,995,734, 8–8–61, Cl. 340—174.
Richards, Guy, to Formwork Patents Ltd. Constructional metalwork. 2,980,216, 4–18–61, Cl. 189—37.
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Richards, Joseph W., to McKinney Mfg. Co. Folding door hangers. 2,994,099, 8–1–61, Cl. 16—105.
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Rolinson, George N., Richards, and Batchelor. 3,014,846.
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Richards, Richard K. Cryotron logic circuit. 2,969,469, 1–24–61, Cl. 307—88.5.
Richards, Richard K. Adder circuit. 2,988,278, 6–13–61, Cl. 235—175.
Richards, Richard K. Regenerative pulse amplifier. 2,988,651, 6–13–61, Cl. 307—88.5.
Richards, Richard K., to International Business Machines Corp. Typewriting calculating machine. 3,012,713, 12–12–61, Cl. 235—60.12.
Richards, Richard K. Diode pulse gating circuit. 3,013,163, 12–12–61, Cl. 307—88.5.
Richards, Richard K., and G. A. Morey, to International Business Machines Corp. Electronic multiplier. 2,981,470, 4–25–61, Cl. 235—159.
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Tucker, Edwin W., and Richards. 3,005,729.
Richards, Thomas C., and B. Schepetin, 20% to G. Bohrer. Mail sorting trays. 3,003,626, 10–10–61, Cl. 206—73.
Richards, Url S. Automatic bookmark. 2,984,205, 5–16–61, Cl. 116—119.
Richards, William H. Scrubbing mop. 2,967,317, 1–10–61, Cl. 15—119.
Richards, William J., to Genesco, Inc. Shoe construction. 3,007,262, 11–7–61, Cl. 36—51.
Richardson, Alfred J. Multi-purpose buckle or latch. 2,991,529, 7–11–61, Cl. 24—230.
Richardson, Algin O., to General Motors Corp. Solder spray gun improvements. 2,982,479, 5–2–61, Cl. 239—84.
Richardson, Andrew J., ½ to W. Coffee. Tube flanger. 3,005,482, 10–24–61, Cl. 153—79.
Richardson, Andrew J., and V. L. Williams. Flush valve guide. 3,005,991, 10–31–61, Cl. 4—57.
Richardson, Cecil H. Scraper cylinder improvement. Re. 24,952, 3–21–61, Cl. 37—126.
Richardson, Charles D., to General Electric Co. Insulated electrical coils. 2,970,936, 2–7–61, Cl. 154—2.23.
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Chu, Chien F. 2,990,312.
Honnen, Maria. 3,007,827.
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Schnitzius, Homer D., and Cox. 2,995,775.
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Richardson, David A., and H. A. McCafferty, to United States of America, Navy. Rescue device. 2,969,210, 1–24–61, Cl. 244—137.

Richardson, Donald, to W. R. Grace & Co. Clip feed track. 3,012,647, 12–12–61, Cl. 193—38.

Richardson, Glenn H. Scoop and dispenser for forming and dispensing a triangularly-shaped quantity of material. 2,974,615, 3–14–61, Cl. 107—48.

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Richardson, Irwin W. Gang harrow. 2,985,248, 5–23–61, Cl. 172—619.

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Richardson, James T.: *See*—
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Richardson, John D., and D. S. Stephenson, to North American Aviation, Inc. Aircraft control system. 2,987,277, 6–6–61, Cl. 244—90.

Richardson, John E., to The Magnavox Co. Stepping system. 2,994,068, 7–25–61, Cl. 340—174.

Richardson, Joseph W., Jr., to Caterpillar Tractor Co. Means to reduce piston ring groove wear and minimize cylinder scuffing. 2,982,589, 5–2–61, Cl. 309—1.

Richardson, Joseph W., Jr., to H. K. Porter, Inc. Magnetic core construction. 3,008,106, 11–7–61, Cl. 336—5.

Richardson, Karl M. Aligning and leveling device. 2,972,816, 2–28–61, Cl. 33—189.

Richardson, Kay A., and E. E. Gullette, to Morris P. Kirk & Son, Inc. Apparatus for dismantling electric storage batteries. 2,977,007, 3–28–61, Cl. 214—308.

Richardson, Leonard E., to DAP, Inc. Window blocks. 2,979,788, 4–18–61, Cl. 20—56.4

Richardson, Lonnie S.: *See*—
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Richardson, Maurice, to Mohasco Industries, Inc. Bale opening tool. 2,995,340, 8–8–61, Cl. 254—79.

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Richardson, Olan, and G. W. Gustafson, to Southern States Equipment Corp. Electric switch. 3,012,123, 12–5–61, Cl. 200—170.

Richardson, Ralph R., and J. M. Langland, to Chicago Carton Co. Carton sealing apparatus. 3,010,267, 11–28–61, Cl. 53—379.

Richardson, Robert L., to The Torsion Balance Co. Torsion balance. 2,993,547, 7–25–61, Cl. 177—168.

Richardson, Robert L., to Eclipse Metal Mfg. Corp. Picnic grill. 2,999,494, 9–12–61, Cl. 126—25.

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Richardson, Ronald E., to Pittsburgh Plate Glass Co. Blowing frame for tempering glass sheets. 2,968,126, 1–17–61, Cl. 49—45.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Manufacture of laminated safety glass. 2,983,635, 5–9–61, Cl. 154—2.7.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Supporting device for use with nipper roll press. 2,990,305, 6–27–61, Cl. 154—2.7.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Supporting glass sheets. 2,991,113, 7–4–61, Cl. 294—118.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Method and apparatus for bonding laminated glass. 2,994,629, 8–1–61, Cl. 154—2.7.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass bending mould. 2,999,338, 9–12–61, Cl. 49—67.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass bending mould. 3,003,286, 10–10–61, Cl. 49—67.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass bending moulds. 3,005,290, 10–24–61, Cl. 49—67.

Richardson, Ryden L., to Union Oil Co. of California. Preparation of supported metal molybdate catalysts. 2,983,691, 5–9–61, Cl. 252—453.

Richardson, Shurman T. Rain shield attachment for vehicles. 2,967,732, 1–10–61, Cl. 296—95.

Richardson, Sid W., Inc.: *See*—
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Richardson, Wallace L., to California Research Corp. Trialkyl lead selenides. 3,010,980, 11–28–61, Cl. 260—437.

Richardson, William F., to Flex-O-Lators, Inc. Spring deck for furniture. 2,988,137, 6–13–61, Cl. 155—179.

Richardson, William F., to Flex-O-Lators, Inc. Wire fabric. 3,012,742, 12–12–61, Cl. 245—5.

Richardson, William F., and E. J. Hood, to Flex-O-Lators, Inc. Machine for manufacturing reinforced fabrics. 2,982,317, 5–2–61, Cl. 140—3.

Richardsons, Westgarth & Co. Ltd.: *See*—
Frankel, Adolf. 2,979,443.

Richart, Jentry J.: *See*—
Brandon, Arthur H., and Richart. 2,990,621.

Richart, Lester L. Portable barbecue grill. 3,005,451, 10–24–61, Cl. 126—25.

Richaud, Elie A., to Le Materiel De Cablerie Societe Anonyme. Tubular stranding machine. 3,000,169, 9–19–61, Cl. 57—58.34.

Richaud, Henri: *See*—
Riou, Marcel, and Richaud. 3,012,917.

Richaudeau, Francois M. M. Process for the preparation of films with a view to their reproduction by printing. 2,993,824, 7–25–61, Cl. 154—118.

Richelli, Federico, and A. Wiesner, to A.I.F.E.L.-Apparecchiature Industriali Frigorifere e Lattiere Societa per Azioni. Combined refrigerating and defrosting system. 2,972,238, 2–21–61, Cl. 62—262.

Richer, Benjamin F., Jr., and R. E. Morey, to Westinghouse Electric Corp. Dynamoelectric machine. 2,993,136, 7–18–61, Cl. 310—258.

Richer, Irving. Garment box. 2,973,857, 3–7–61, Cl. 206—7.

Richer, Irving. Hanger lock for garment shipping containers. 2,980,260, 4–18–61, Cl. 211—124.

Riches, Denis G., and R. B. Jorgensen, to S. Hansel. Wood chippers. 3,000,578, 9–19–61, Cl. 241—92.

Richeson, James P., and R. C. Jackson, to The Chemstrand Corp. Textile treating apparatus. 2,986,912, 6–6–61, Cl. 68—5.

Richeson, William E., Jr., and J. A. Blake, to International Telephone & Telegraph Corporation. Pulse amplitude measuring circuit. 2,997,651, 8–22–61, Cl. 324—103.

Richey, David M., to Embart Mfg. Co. Hydraulic system for a boom structure. 2,968,154, 1–17–61, Cl. 60—54.5.

Richey, Gilbert T., Jr., to Minnesota Mining and Mfg. Co. Copy-sheet. 2,995,465, 8–8–61, Cl. 117—36.

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Kofahl, David C. 3,004,602.
Kofahl, David C. 3,004,612.
Payne, Winfield S., Jr. 2,973,039.

Richie, Carlton A., and A. J. Scalora, to Owens-Illinois Glass Co. Apparatus for molding cellular plastic articles. 3,013,304, 12–19–61, Cl. 18—42.

Richie, Carlton A., and A. J. Scalora, to Owens-Illinois Glass Co. Method of making cellular plastic articles. 3,013,306, 12–19–61, Cl. 18—48.

Richie, Raymond J. Geology game. 2,970,840, 2–7–61, Cl. 273—134.

Richman, Donald, to Hazeltine Research, Inc. Control apparatus for color synchronization in color television. 2,976,350, 3–21–61, Cl. 178—5.4.

Richman, Donald, to Hazeltine Research, Inc. Keyed A.G.C. system with means for preventing signal lockout. 2,976,359, 3–21–61, Cl. 178—7.3.

Richman, Donald, to Hazeltine Research, Inc. Automatic-chrominance-control system. 2,988,592, 6–13–61, Cl. 178—5.4.

Richman, Donald, to Hazeltine Research, Inc. Wave-signal direction-indicating apparatus. 2,996,712, 8–15–61, Cl. 343—113.

Richman, Donald, to Hazeltine Research, Inc. Gain control of transmitter subcarrier channel for minimizing brightness distortion. 3,002,050, 9–26–61, Cl. 178—5.4.

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Grunin, Louis, and Richman. 3,008,844.

Richmond, Alfred, W. Pool, and A. H. Gentle, to British Celanese Ltd. Apparatus for producing voluminous yarn. 3,010,270, 11–28–61, Cl. 57—34.

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Richmond, George O. Sanding block. 2,995,877, 8–15–61, Cl. 51—187.

Richmond, Moscow K. Garage door operator. 2,995,634. 8–8–61, Cl. 200—47.

Richmond, Nelson R.: *See*—
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Richter, Adam. Safety device for use in eccentric presses and crank presses. 3,014,420, 12–26–61, Cl. 100—53.

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McKenney, Henry F., Stenzel, Lowenstein, and Richter. 3,001,183.

Richter, Albert. Beveling tool. 2,986,185, 5–30–61, Cl. 145—6.

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Richter, Ekkehard, A. Gross, and G. Käbisch, to Food Machinery and Chemical Corp. Process for preparation of hydrogen peroxide. 2,990,251, 6–27–61, Cl. 23—207.

Richter, Elmer W., D. Shellek, H. E. McMillan, and G. E. Evans, to Union Carbide Corp. Continuous process for making solid electrolyte batteries. 3,004,093, 10–10–61, Cl. 136—175.

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Richter, Elvin O., to Lockheed Aircraft Corp. Height finding radio detection and ranging device. 3,001,191, 9–19–61, Cl. 343—10.

Richter, George A., Jr., to Rohm & Haas Co. Ion-exchange assemblies and methods of treating liquids. 2,794,101, 3–7–61, Cl. 210—37.

Richter, Gerhard, and P. L. G. Lhoste, to Societe Nationale d'Etudes et de Construction de Moteurs d'Aviation. Aircraft engine air inlet device. 2,981,502, 4–25–61, Cl. 244—53.
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Richter, Heinz K., R. R. Heppe, and L. Celniker, to Lockheed Aircraft Corp. Automatic stability control device for aircraft. 2,985,410, 5–23–61, Cl. 244—77.
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Richter, Herbert M. Stop valve. 2,967,042, 1–3–61, Cl. 251—181.
Richter, Herbert M. Aerating device for faucets and the like. 2,989,249, 6–20–61, Cl. 239—427.
Richter, Johan C. F. C., and R. J. Johansen, to Aktiebolaget Kamyr. Method and plant for washing of cellulosic pulp under overpressure. 2,999,785, 9–12–61, Cl. 162—60.
Richter, Johan C. F. C., to Aktiebolaget Kamyr. Method and plant for continuous cellulose digestion. 3,007,839, 11–7–61, Cl. 162—17.
Richter, John E., to Curtiss-Wright Corp. Blade construction for carry-type scraper. 3,011,274, 12–5–61, Cl. 37—141.
Richter, John H., to Kawneer Co. Shelf. 3,012,679, 12–12–61, Cl. 211—150.
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Richter, Melvin W., to Western Electric Co., Inc. Methods of cleaning. 3,007,815, 11–7–61, Cl. 134—15.
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Richter, Reinhart. Scaffold support. 2,984,446, 5–16–61, Cl. 248—238.
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Richter, Sidney B., to Velsicol Chemical Corp. Dialkyl 2,2-di (O,O-loweralkylphosphorodithiosuccinate). 2,967,123, 1–3–61, Cl. 167—22.
Richter, Sidney B., to Velsicol Chemical Corp. O,O-di lower alkyl phosphorodithioate derivatives of diallyl maleate. 2,967,124, 1–3–61, Cl. 167—22.
Richter, Sidney B., to Velsicol Chemical Corp. 2,2,3,4,5,5-hexachloro-3-cyclopenten-1-ol. 2,972,562, 2–21–61, Cl. 167—30.
Richter, Sidney B., to Velsicol Chemical Corp. Fungicidal cyclopentanones. 2,972,563, 2–21–61, Cl. 167—30.
Richter, Sidney B., to Velsicol Chemical Corp. New fungicidal 3 - heterocyclic - 3,4,5 - trichloro - 4 - cyclopentene - 1,2-diones. 2,992,968, 7–18–61, Cl. 167—33.
Richter, Sidney B., to Velsicol Chemical Corp. Method of destroying undesirable vegetation. 3,012,870, 12–12–61, Cl. 71—2.6.
Richter, Sidney B., to Velsicol Chemical Corp. Method of destroying undesirable vegetation. 3,012,871, 12–12–61, Cl. 71—2.6.
Richter, Sidney B., to Velsicol Chemical Corp. Method of destroying undesirable vegetation. 3,012,872, 12–12–61, Cl. 71—2.6.
Richter, Sidney B., to Velsicol Chemical Corp. Method of destroying undesirable plant growth. 3,012,873, 12–12–61, Cl. 71—2.6.
Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-5-nitro-3,6-dichlorophenylacetates. 3,013,050, 12–12–61, Cl. 260—471.
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Richter, Sidney B., to Velsicol Chemical Co. 2-methoxy-3-methyl-5-chloro-6-nitrobenzoates. 3,013,052, 12–12–61, Cl. 260—471.
Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3,5-dichloro-6-nitrobenzoates. 3,013,053, 12–12–61, Cl. 260—471.
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Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3,5-dichlorophenylacetates. 3,013,057, 12–12–61, Cl. 260—473.
Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3,6-dichlorophenylacetates. 3,013,058, 12–12–61, Cl. 260—473.
Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3,5,6-trichlorophenylacetates. 3,013,059, 12–12–61, Cl. 260—473.
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Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3-methyl-5,6-dichlorobenzoates. 3,013,061, 12–12–61, Cl. 260—473.
Richter, Sidney B., to Velsicol Chemical Corp. 2-methoxy-3,5-dichloro-6-bromobenzoates. 3,013,062, 12–12–61, Cl. 260—473.
Richter, Sidney B., and H. J. Wahlborg, to Velsicol Chemical Corp. Acylimino-2,2,4,4,5-pentachlorocyclo pentanones as nematocides and fungicides. 2,980,579, 4–18–61, Cl. 167—30.
Richter, Sidney B., and A. A. Levin, to Velsicol Chemical Corp. Halogenated 1-oxaspiro [4.4] - nona - 6,8 - dienes. 2,989,543, 6–20–61, Cl. 260—346.1.
Richter, Walter H. General merchandise self-service store. 2,980,211, 4–18–61, Cl. 186—1.
Richter, Walther, and R. E. Risley, to Dresser Industries, Inc. Method of joining pipe sections by heating and subsequent cooling. 2,984,899, 5–23–61, Cl. 29—447.
Richterkessing, Frank H., to W. M. Cissell Mfg. Co. Garment finisher and means for controlling flow of processing fluids thereto. 3,006,516, 10–31–61, Cl. 223—70.
Richterkessing, Frank H., and W. M. Ingold, to W. M. Cissell Mfg. Co. Assembly of clothes dryers having improved safety controls. 3,008,699, 11–14–61, Cl. 263—33.
Richterkessing, Frank H., and A. A. Brian, to W. M. Cissell Mfg. Co. Damper assembly. 3,009,475, 11–21–61, Cl. 137—512.1.
Rickard, James A., to Jersey Production Research Co. Radiation well logging. 2,971,092, 2–7–61, Cl. 250—71.5.
Rickard, James A., to Jersey Production Research Co. Alarm for detection of pressure surges in a borehole. 2,974,629, 3–14–61, Cl. 116—74.
Rickard, James A., to Jersey Production Research Co. Helium 3 logging method. 2,979,618, 4–11–61, Cl. 250—83.1.
Rickard, James A., to Jersey Production Research Co. Method of well logging. 3,004,161, 10–10–61, Cl. 250—83.3.
Rickard, La Verne E., to International Business Machines Corp. Remote input unit for data processing system. 2,995,726, 8–8–61, Cl. 340—147.
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Riddle, Grant C. Grid plate sequential scanning system. 2,976,360, 3–21–61, Cl. 178—7.3.
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Ridenour, Charles A., F. D. Irwin, and E. R. Little. Power lawn mower with guard attachment. 2,972,849, 2–28–61, Cl. 56—25.4.
Ridenour, Dale F. Pressure responsive transducer for gases utilizing radioactive ionizing source. 2,976,442, 3–21–61, Cl. 313—54.

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Ridgers, Frederick G. Earth anchor. 3,012,643, 12–12–61, Cl. 189—90.
Ridgway, John A., Jr., and W. F. Curran, Jr., to Standard Oil Co. Avoiding heat-front damage in platinum catalyst reforming. 3,000,809, 9–19–61, Cl. 208—65.
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Ridley, Oscar E., to United States of America, Navy. Stator ring locking key. 2,974,928, 3–14–61, Cl. 253—78.
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Rieche, Alfred, G. Illgetag, A. Martini, and R. Phillipson, to Deutsche Akademie der Wissenschaften Zu Berlin. Process for the preparation of thiosemicarbazide. 3,009,955, 11–21–61, Cl. 260—552.
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Riedel, Erich O., to Lehmann Hein & Co. Aktiengesellschaft. Process and apparatus for continuous centrifuging of viscous sugar compounds. 2,973,288, 2–28–61, Cl. 127—19.
Riedel, Johann C. Device for preparing a fleece, sliver or yarn, in particular of glass. 2,976,580, 3–28–61, Cl. 19—150.
Riedel, Johann C. Process for the continuous automatic spinning of thermoplastic materials. 2,995,417, 8–8–61, Cl. 18—54.
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Riedl, Hans-Joachim, and J. Dahmlos, to Wasag-Chemie Aktiengesellschaft. Process for making ammonium bifluoride. 3,005,684, 10–24–61, Cl. 23—88.
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Parrish, Russell C. 3,010,624.
Parrish, Russell C., and Crane. 3,010,623.
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Ubbelohde, Leo, and Riepert. 2,995,923.
Ries, Elmer F., to The Ries Mfg. Co. Bed step. 2,975,436, 3–21–61, Cl. 5—317.
Ries, Elmer F., to The Ries Mfg. Co. Walker. 2,996,070, 8–15–61, Cl. 135—45.
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Magovern, Robert L., Ries, and Breier. 3,006,731.
Samaniego, Jose A., and Ries. 3,013,866.
Ries Mfg. Co., The: *See*—
Ries, Elmer F. 2,975,436.
Ries, Elmer F. 2,996,070.
Ries, William M., to Wheeling Steel Corp. Studding. 3,001,615, 9–26–61, Cl. 189—35.
Riese, Karl F., and K. R. Sagmo, to General Mills, Inc. Sealing apparatus. 2,997,098, 8–22–61, Cl. 154—42.
Rieseler, Helene, nee Scherber: *See*—
Rieseler, Hermann. 2,998,698.
Rieseler, Hermann, deceased (H. Rieseler, nee Scherber, heir). Supercharged internal combustion engine with controls therefor. 2,998,698, 9–5–61, Cl. 60—13.
Rieser, John D. Variable ratio transmission mechanism. 2,970,493, 2–7–61, Cl. 74—230.17.
Riesing, Ellwood F., to General Motors Corp. Bearing element comprising thermoplastic resin and sintered Teflon particles. 2,998,397, 8–29–61, Cl. 260—17.
Riester, Oskar: *See*—
Von Rintelen, Harald, and Riester. 3,000,738.
Riester, William C.: *See*—
Deibel, Raymond A., and Riester. 2,986,761.
Deibel, Raymond A., and Riester. 3,000,032.
Deibel, Raymond A., Roberts, and Riester. 3,002,581.
Graczyk, Bronislau S., and Riester. 2,990,530.
Riester, William C., to Trico Products Corp. Valve means for multiple carburetors. 2,967,514, 1–10–61, Cl. 121—46.5.
Riester, William C., to Trico Products Corp. Fluid motor. 2,969,776, 1–31–61, Cl. 121—48.
Riester, William C., to Trico Products Corp. Windshield wiper system. 2,978,728, 4–11–61, Cl. 15—250.02.
Riester, William C., and M. Bitzer, to Trico Products Corp. Windshield cleaner motor. 3,005,445, 10–24–61, Cl. 121—164.
Riester, William C., and R. D. Page, to Trico Products Corp. Windshield cleaner. 3,012,266, 12–12–61, Cl. 15—250.21.
Riesz, Kolman, and W. E. Rich, to Westinghouse Electric Corp. Electrical instrument mounting. 2,970,243, 1–31–61, Cl. 317—99.
Riesz, Richard P., to Bell Telephone Laboratories, Inc. Formation of P–N junctions in P-type semiconductors. 2,992,471, 7–18–61, Cl. 29—25.3.
Riesz, Robert R., to Bell Telephone Laboratories, Inc. Automatic telephone message service. 2,998,489, 8–29–61, Cl. 179—6.

Riesz, Robert R., to Bell Telephone Laboratories, Inc. Telephone privacy. 3,012,098, 12–5–61, Cl. 179—1.5.
Rieter, Joh. Jacob, & Co. Ltd.: *See*—
Eggenschwyler, Eduard. 2,971,226.
Hess, Heinrich O. 3,005,240.
Naegeli, Werner. 2,974,375.
Naegeli, Werner, and Eichenberger. 3,004,300.
Rieth, Harold F., to Packard-Bell Electronics Corp. Radio receiver. 2,993,990, 7–25–61, Cl. 250—20.
Riethmüller, Kurt. Cosmetic cream. 2,987,446, 6–6–61, Cl. 167—91.
Rietsch, Eberhard, to Theodor Wupperman, G.m.b.H. Resistanco butt-welding machine. 2,967,925, 1–10–61, Cl. 219—57.
Rietz, Carl A., to Rietz Mfg. Co. Prebreaker. 2,971,551, 2–14–61, Cl. 146—182.
Rietz, Carl A., to Rietz Mfg. Co. Breaking, mixing and extrusion apparatus. 2,991,503, 7–11–61, Cl. 18—12.
Rietz Mfg. Co.: *See*—
Rietz, Carl A. 2,971,551.
Rietz, Carl A. 2,991,503.
Rife, Charles A.: *See*—
Andersen, Arnold K., and Rife. 2,981,108.
Riffle, Charles E.: *See*—
Battey, Alexander J., and Riffle. 3,011,542.
Rifkin, Arnold S. Seal construction having plural female elements. 2,977,145, 3–28–61, Cl. 292—321.
Rifkin, Michael. Window latching device. 3,006,178, 10–31–61, Cl. 70—90.
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La Flame, Frank E., and Rifner. 3,003,837.
Riga, Jean J. L. E.: *See*—
Braconier, Frederic F. A., and Riga. 2,970,178.
Braconier, Frederic F. A., and Riga. 2,978,521.
Braconier, Frederick F. A., and Riga. 2,998,466.
Rigall, Joseph F., to Koch Supplies Inc. Smoke generator. 2,977,954, 4–4–61, Cl. 126—59.5.
Rigbey, Leonard J.: *See*—
Jacobs, Eric W., and Rigbey. 2,986,607.
Rigby, Donald L.: *See*—
Bracey, Ronald J., and Rigby. 2,980,802.
Rigby, Miles G.: *See*—
Stiebel, Ariel I., and Rigby. 3,011,610.
Rigby, Richard, to Shell Oil Co. Purification of phenothiazine. 3,000,887, 9–19–61, Cl. 260—243.
Riggen, Theodore K., to Corning Glass Works. Electroluminescent device and method. 2,970,239, 1–31–61, Cl. 313—108.
Riggen, Theodore K., to Corning Glass Works. Electroluminescent device making. 3,003,904, 10–10–61, Cl. 156—3.
Riggen, Theodore K., and W. L. Peterson. Method for forming loops on coil springs. 3,009,490, 11–21–61, Cl. 140—103.
Riggen, Winnifred, to American Telephone and Telegraph Co. Data recording system. 2,981,799, 4–25–61, Cl. 179—8.
Riggins, Frank O., E. R. Sanders, and D. G. Wright, to O & S Research, Inc. Multi-selector coded illuminator module. 2,967,298, 1–3–61, Cl. 340—381.
Riggs, Dean D.: *See*—
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Riggs, Donald R.: *See*—
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Osborne, Fred H., Riggs, and Bauer. 2,988,945.
Riggs and Lombard Inc.: *See*—
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Riggs, Mart B., to The Goodyear Tire & Rubber Co. Tool and method for mounting tires having safety shields. 2,984,295, 5–16–61, Cl. 157—1.24.
Riggs, Mart B., to The Goodyear Tire & Rubber Co. Tubeless tire chafer. 3,013,599, 12–19–61, Cl. 152—362.
Riggs, Olen L.: *See*—
Barnes, Paul M., Riggs, and Roebuck. 2,981,684.
Riggs, Robert F., H. L. Foster, Jr., and E. A. Moran, to United States of America, Navy. Directional phasing antenna configuration. 2,975,422, 3–14–61, Cl. 343—826.
Riggs, William D.: *See*—
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Riggs, William D., to Consolidated Electronics Industries Corp. Synchronous motor and rotor. 3,014,141, 12–19–61, Cl. 310—156.
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Rigney, Richard N., to The Task Corp. Fluid cooled motor. 3,007,065, 10–31–61, Cl. 310—54.
Rigoine de Fougerolles, André R. M. E. Connection between tubular members. 2,989,159, 6–20–61, Cl. 189—36.
Rigot, Roger, and F. Boulet, to Compagnie Generale de Telegraphie Sans Fil. Method of making storage tube targets and resulting article. 2,998,331, 8–29–61, Cl. 117—200.
Rigsby, Canby A., Sr. Storage battery terminal lug connector. Re. 25,054, 10–17–61, Cl. 136—134.
Rigsby, Rowena N. Adjustable baby shoe. 2,973,589, 3–7–61, Cl. 36—25.
Rigterink, Preston D., to Automatic Poultry Feeder Co. Air fog cooling system. 3,013,401, 12–19–61, Cl. 62—157.
Rigterink, Raymond H., to The Dow Chemical Co. O-pyrazoly o-lower alkyl phosphoramidates and phosphoramidothioates. 3,010,969. 11–28–61, Cl. 260—310.
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Rijckaert, Frans X., to North American Philips Co., Inc. Vibrator motor circuit arrangement. 2,988,684, 6–13–61, Cl. 318—128.
Rike, Richard C., to General Motors Corp. Brake power booster. 2,974,494, 3–14–61, Cl. 60—54.6.
Rike, Richard C., to General Motors Corp. Self-centering arrangement for brake shoes. 3,003,591, 10–10–61, Cl. 188—78.
Rike, Richard C., to General Motors Corp. Brake booster. 3,009,449, 11–21–61, Cl. 121—41.
Riken Kogaku Kogyo Kabushiki Kaisha: *See*—
Hiruma, Kenji. 3,010,374.
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De Gorter, Benjamin. 2,980,301.
Draper, Marshall D., and Petracek. 3,013,073.
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Maison, George L., and Porush. 3,001,524.
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Riker, William E., to Holmes Electric Protective Co. Capacity type burglar alarm systems. 2,992,420, 7–11–61, Cl. 340—276.
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Rikhoff, George A. Meat ball maker. 3,002,220, 10–3–61, Cl. 17—32.
Riley, Christopher S. Film-viewing device. 2,972,279, 2–21–61, Cl. 88—16.2.
Riley, Cornelius J., and W. Thoelen. Swimming pool construction. 3,010,117, 11–28–61, Cl. 4—172.
Riley, George T. Boom spot indicator. 3,011,261, 12–5–61, Cl. 33—125.
Riley, Jesse L.: *See*—
Moelter, Gregory M., and Riley. 2,994,576.
Riley, John B., and H. T. Oakley, to Esso Research and Engineering Co. Removal of 2-methyl butene-1 from petroleum resin feeds. 3,014,012, 12–19–61, Cl. 260—82.
Riley, Joseph J., to The Taylor-Winfield Corp. Welding transformer. 3,001,162, 9–19–61, Cl. 336—61.
Riley, Joseph J., E. V. Dethier, and J. M. Bigowsky, to The Taylor-Winfield Corp. Control circuit, particularly for resistance welding. 3,010,049, 11–21–61, Cl. 315—84.6.
Riley, Joseph L. Pneumatic tires. 2,990,869, 7–4–61, Cl. 152—339.
Riley, Oliver V. Race-starting system. 2,978,692, 4–4–61, Cl. 340—323.
Riley, Ray L., to Hughes Aircraft Co. Transistor blocking oscillator with means to prevent saturation of transistor. 2,972,066, 2–14–61, Cl. 307—88.5.
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Gibbins, Leslie B., and Riley. 2,990,575.
Groombridge, Denis W., Riley, and Pearson. 2,993,040.
Groombridge, Denis W., Riley, and Pearson. 3,003,846.
Riley, Robert H., Jr., and H. O. Short, to The Black and Decker Mfg. Co. Two-speed feeding and retracting means for a portable drill stand. 2,995,960, 8–15–61, Cl. 77—32.
Riley, Robert W.: *See*—
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Erickson, Harold E., Riley, and Schubert. 2,997,079.
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Schubert, Dale L., Erickson, and Riley. 2,969,104.
Riley Stoker Corp.: *See*—
Johnson, Oscar A. 3,007,147.
Kuhner, Max H. 2,984,468.
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Rivers, Russell C. 2,971,508.
Riley, Thomas, D. Zaas, J. Gaser, and J. Strmac, to Apex Paper Box Co. Container and method of making the same. 2,999,430, 9–12–61, Cl. 93—36.
Rilinger, Alfons, and H. Wehmeyer, to Roto-Werke A.G. Self-emptying pressure vessels. 2,978,144, 4–4–61, Cl. 222—95.
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De Canniere, Jean L., and Rillaerts. 2,989,202.
Rimbach, Henry W., to Westinghouse Electric Corp. Green halophosphate phosphor. 2,968,626, 1–17–61, Cl. 252—301.4.
Rimbach, Henry W., to Westinghouse Electric Corp. Blue halophosphate phosphor. 2,999,070, 9–5–61, Cl. 252—301.4.
Rimbach, Henry W., and J. Van Broekhoven, to Westinghouse Electric Corp. Method for preparing calcium halophosphate phosphors. 2,976,249, 3–21–61, Cl. 252—301.4.
Rimmer, William, to United States of America, Navy. Delay mechanism. 2,998,944, 9–5–61, Cl. 244—14.
Rimsha, Victor E., to The Dole Valve Co. Adjustable thermostatic mixing valve. 2,982,474, 5–2–61, Cl. 236—12.
Rimsha, Victor E., and J. E. Kozel, to The Dole Valve Co. Thermostatic mixing valve. 3,001,717, 9–26–61, Cl. 236—12.
Rimshaw, Stanley J., to United States of America, Atomic Energy Comimssion. Separation of technetium from aqueous solutions by coprecipitation with magnetite. 3,005,683, 10–24–61, Cl. 23—24.
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Rindy, Daryl H., to Philco Corp. Method of fabricating electrical units. 2,990,467, 6–27–61, Cl. 219—117.
Rineer, Arthur E. Fluid power converter. 2,992,616, 7–18–61, Cl. 103—121.
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Rinesch, Rudolf, and K. Langer, to Vereinigte Osterreichische Eisen-und Stahlwerke Aktiengesellschaft. Blowing device for refining crude iron. 3,007,691, 11-7-61, Cl. 266—34.
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Ring, Robert G., to Chapman Chemical Co. Liquid filling device. 3,005,473. 10-24-61, Cl. 141—86.
Ring, Sandiford. Pump. 3,000,320, 9-19-61, Cl. 103—44.
Ringel, Walter J., and J. M. Wheaton, to Owens-Illinois Glass Co. Container closing apparatus. 2,979,874, 4-18-61, Cl. 53—317.
Ringelman, John F., to Westinghouse Electric Corp. Current reference circuit. 2,972,715. 2-21-61, Cl. 323—89.
Ringelman, John F., to Westinghouse Electric Corp. Impedance controlled magnetic amplifier. 2,980,846, 4-18-61, Cl. 323—89.
Ringelstetter, Leo A. Kick-stand and parking brake for bicycles and similar vehicles. 2,999,696, 9-12-61, Cl. 280—296.
Ringer, Dennis L. Climber for concrete poles. 3,004,622, 10-17-61, Cl. 182—134.
Ringer, Karl. Mobile vacuum cleaning machine for streets, airport runways and the like. 3,004,279, 10-17-61, Cl. 15—310.
Ringgenberg, Hans. Gate valve. 3,001,758, 9-26-61, Cl. 251—168.
Ringger, Walter A., Jr., to American Electric Mfg. Corp. Control means for a street lighting system. 2,978,591, 4-4-61, Cl. 250—239.
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Ringler, William A., to Diamond National Corp. Hinged cover blanks and cartons. 3,003,674, 10-10-61, Cl. 229—33.
Ringler, William A., to Diamond National Corp. Hinged cover blanks and cartons. 3,003,675, 10-10-61, Cl. 229—33.
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Bowers, Albert, and Ringold. 3,014,934.
Djerassi, Carl, and Ringold. 2,983,737.
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Ringold, Howard J., F. Sondheimer, and G. Rosenkranz, to Syntex S.A. 14α,15α-epoxido-Δ⁴-pregnen-21-ol-3,20-dione and esters thereof. 2,968,656, 1-17-61, Cl. 260—239.55.
Ringold, Howard J., C. Djerassi, A. Bowers, and M. Velasco, to Syntex S.A. 6-halo-6-dehydro derivatives of 11-oxygenated-9α-haloprogesterones. 2,968,662, 1-17-61, Cl. 260—397.3.
Ringold, Howard J., and Rosenkranz, to Syntex S. A. Process for the production of 2,2-dialkyl androstane compounds. 2,976,302, 3-21-61, Cl. 260—397.4.
Ringold, Howard J., and G. Rosenkranz, to Syntex S.A. Process for production of 4-alkyl and 4-benzyl derivatives of Δ4 pregnenes. 2,981,743, 4-25-61, Cl. 260—397.45.
Ringold, Howard J., C. Djerassi, and A. Bowers, to Syntex S.A. 3-enol esters of 6-halo-16α-hydroxy cortical hormones. 2,985,652, 5-23-61, Cl. 260—239.55.
Ringold, Howard J., E. Batres, and G. Rosenkranz, to Syntex S.A. 17-undecenoate of estradiol. 2,990,414, 6-27-61, Cl. 260—397.5.
Ringold, Howard J., O. Mancera, and F. A. Kincl, to Syntex S.A. 6-chloro-16α-hydroxy steroids of the pregnene series. 2,997,489, 8-22-61, Cl. 260—397.45.
Ringold, Howard J., and G. Rosenkranz, to Syntex S.A. Cyclopentanophenanthrene compounds. 2,998,434, 8-29-61, Cl. 260—397.4.
Ringold, Howard J., and A. Bowers, to Syntex S.A. 6β,19-oxido androstane derivatives. 3,001,989, 9-26-61, Cl. 260—239.55.
Ringold, Howard J., and A. Bowers, to Syntex S.A. 6β,19-oxido pregnanes. 3,008,957, 11-14-61, Cl. 260—239.55.
Ringold, Howard J., A. Bowers, and G. Rosenkranz, to Syntex S.A. 6 nitro steroids. 3,014,932, 12-26-61, Cl. 260—397.3.
Ringold, Howard J., and F. A. Kincl, to Syntex S.A. 4,9 dihalo androstene compounds. 3,014,937, 12-26-61, Cl. 260—397.45.
Ringquist, Clarence L., and R. G. Miner, to The Trane Co. Air conditioning unit with means for maintaining constant air delivery. 2,995,078, 8-8-61, Cl. 98—38.
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Duva, Robert, and Rinker. 2,984,604.
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Riola, Michael R., to Sperry Rand Corp. Gyroscopic instrument. 2,986,945, 6-6-61, Cl. 74—5.12.
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Riordan, Hugh E., S. N. Samburoff, and J. E. Baughman, to United States of America, Navy. Pneumatic mechanism for booster clamp ring release. 2,981,187, 4-25-61, Cl. 102—49.
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Libby, Carl F. 2,970,787.
Riordan, Michael D.: *See*—
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Pevere, Ernest F., Riordan, and Carter. 2,973,313.
Riordan, Michael D., and W. F. Franz, to Texaco Inc. Polyfunctional solid sorbents. 2,970,968, 2-7-61, Cl. 252—455.
Riordan, Michael D., N. D. Carter, and L. B. Bos, to Texaco Inc. Process for regenerating platinum-alumina catalyst. 3,005,781, 10-24-61, Cl. 252—416.
Riou, Marcel, and H. Richaud, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Method of protecting metal surfaces. 3,012,917, 12-12-61, Cl. 148—6.14.
Ripepi, Tony. Central warning burglar alarm system. 2,971,186, 2-7-61, Cl. 340—276.
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Elchacker, Harold F. 3,006,712.
Ripley, Duane L., to Edwin L. Wiegand Co. Baseboard heater. 3,006,266, 10-31-61, Cl. 98—40.
Ripley, Harold F. Electronic and hydraulic pump dispensing control. 3,009,605, 11-21-61, Cl. 222—20.
Ripley, Mills N., to General Strapping Corp. Band-forming strapping machine. 2,972,844, 2-28-61, Cl. 53—198.
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Rippe, Dondeville M., to Dondeville Products Co., Inc. Shingle forming machine. 2,975,818, 3-21-61, Cl. 153—2.
Ripper, Hugo. Combined case and mirror for make-up stick. 2,995,136, 8-8-61, Cl. 132—79.
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Abbott, Henry H., Rippere, Schmidt, and Williams. 2,981,804.
Rippy, Dorian E.: *See*—
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Rips, Richard, and H. Nguyen Phuc Buu. Pyrrole compounds. 2,986,564, 5-30-61, Cl. 260—313.
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Risch, William E., to Anchor Hocking Glass Corp. Closure cap and method of making same. 3,005,433, 10-24-61, Cl. 113—121.
Rise, Noble W., to Analytical Engineers, Inc. Drill attachment. 2,994,235, 8-1-61, Cl. 77—55.
Rise, William E., and K. Secunda, to General Motors Corp. Magazine alignment and feed mechanism and method. 2,994,458, 8-1-61, Cl. 221—1.
Riseborough, John H. Tiltable trailer with ramp means. 2,995,399, 8-8-61, Cl. 296—28.
Riseley, Eric I., to Imperial Chemical Industries Ltd. Spinning process. 2,990,236, 6-27-61, Cl. 18—54.
Risely, Bruce H., and J. E. Carr. Coat and hat checking apparatus. 3,014,593. 12-26-61, Cl. 211—4.
Riser, Clarence B., to Lawrence Bros., Inc. Sash fastener. 2,997,323, 8-22-61, Cl. 292—111.
Rising, Hawley K., and R. G. Counihan; said Rising assor. to Research Corp. Magnetic memory. 3,007,141, 10-31-61, Cl. 340—174.
Risk, Donald L., and B. E. Geddes, to General Dynamics Corp. Missile structure. 2,976,806, 3-28-61, Cl. 102—92.5.
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Risk, Norman E., to Caterpillar Tractor Co. Resilient means for front end tractor suspension. 3,010,530, 11-28-61, Cl. 180—9.54.
Risk, Norman E., J. L. Holden, and A. G. Heisel, to Caterpillar Tractor C. Front end suspension for tractors. 2,978,050, 4-4-61, Cl. 180—9.5.
Risk, Norman E., and J. H. McCarthy, to Caterpillar Tractor Co. Final drive assembly for track-type tractors. 2,978,051, 4-4-61, Cl. 180—9.62.
Risk, Thomas H., to Ford Motor Co. Vehicle control system. 2,983,347, 5-9-61, Cl. 192—3.
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Risley, Roger E.: *See*—
Richter, Walther, and Risley. 2,984,899.
Risley, Roger E., to Dresser Industries, Inc. Flexible insulating coupling for threaded pipe. Re. 25,047, 10-3-61, Cl. 285—48.
Risley, Roger E., and H. L. Hoke, to Dresser Industries, Inc. Sectional pipe clamp. 2,992,022, 7-11-61, Cl. 285—337.
Risney, Dale R. Water ski tow handle. 2,998,797, 9-5-61, Cl. 115—6.1.

Risse, Ralph F., and K. J. Maddock, to Goodman Mfg. Co. Rotary boring head having disk breaker means. 3,008,698, 11-14-61, Cl. 262—9.
Rissler, Lennius R.: *See*—
Berkovitz, Harry, and Rissler. 2,992,818.
Rissman, James E., and A. L. Kohl, to The Fluor Corp., Ltd. Urea granulation process. 2,979,421, 4-11-61, Cl. 117—100.
Rist, Arthur C.: *See*—
Gustafson, Lewis H., and Rist. 3,005,572.
Rist, Michel: *See*—
Maurice, Jean, and Rist. 2,981,846.
Maurice, Jean, and Rist. 2,987,155.
Maurice, Jean, and Rist. 2,999,573.
Maurice, Jean, and Rist. 3,002,103.
Ristau, Alfred G., and A. E. Turntables for automatic record-changing phonographs and driving mechanism therefor. 2,979,336, 4-11-61, Cl. 274—10.
Ristau, Arnold E.: *See*—
Ristau, Alfred G. and A. E. 2,979,336.
Ristau, Kathe, to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Electric discharge lamp starting strip. 2,973,450, 2-28-61, Cl. 313—291.
Ritchey, Clayton: *See*—
Smoker, Isaac Z., and Ritchey. 3,010,726.
Ritchey, Eugene B. Magnetic nose ring. 2,997,023, 8-22-61, Cl. 119—132.
Ritchey, Harold W., to Thiokol Chemical Corp. Ammonium perchlorate manufacturing process. 2,972,514, 2-21-61, Cl. 23—85.
Ritchey, Neil F., to Knapp Mills Inc. Method and means for testing metals. 3,005,104, 10-17-61, Cl. 250—106.
Ritchie, Ernest D. Dual-position handle for containers. 2,999,714, 9-12-61, Cl. 294—31.2.
Ritchie, Luther R., to Valco Mfg. Co. Pickup means for stringed instruments. 2,988,946, 6-20-61, Cl. 84—1.15.
Ritchie, Wesson J.: *See*—
Bruce, Edmond, Reenstra, and Ritchie. 2,976,367.
Ritepoint Pen and Pencil Co.: *See*—
White, James S., and Vargo. 3,005,890.
Rite-Temp Mfg. Co.: *See*—
Godfrey, Ernest R. 2,988,900.
Rite-Way Dairy Farm Equipment Corp.: *See*—
Barkman, David R. 2,997,020.
Ritt, Paul E., Jr.: *See*—
Withers, James C., and Ritt. 2,970,090.
Rittel, Werner: *See*—
Schwyzer, Robert, Iselin, Kappeler, Rittel, and Riniker. 2,978,444.
Rittenhouse, Godfrey J., to H. K. Porter Co. Inc. Method of making jet engine refueling hose. 2,988,130, 6-13-61, Cl. 154—8.
Rittenhouse, Howard E., to Tokheim Corp. Dispenser switch control mechanism. 2,995,276, 8-8-61, Cl. 222—75.
Ritter Co., Inc.: *See*—
Golden, Sanford S. 2,987,116.
Weickgenannt, Egon R. 2,972,505.
Ritter, Friedbert: *See*—
Harnisch, Heinz, Ritter, and Rodis. 3,004,834.
Ritter, Herman, and F. Rogers, to The Singer Mfg. Co. Stitch length adjusting means for sewing machines. 3,011,462, 12-5-61, Cl. 112—210.
Ritter, Rolland R.: *See*—
Daniels, Howard L., Fritze, and Ritter. 2,977,578.
Ritz, Maurice J. Gun for underwater use. 3,004,533, 10-17-61, Cl. 124—27.
Ritzema, Donald E.: *See*—
De Long, Herbert K., and Ritzema. 2,975,073.
Ritzenhoff, Hermann. Sealing cap for bottles, jars, canisters and similar containers. 2,994,449, 8-1-61, Cl. 215—46.
Ritzerfeld, Gerhard: *See*—
Ritzerfeld, Wilhelm and G. 2,967,475.
Ritzerfeld, Wilhelm and G. 2,967,477.
Ritzerfeld, Wilhelm and G. 2,977,874.
Ritzerfeld, Wilhelm and G. 2,986,473.
Ritzerfeld, Wilhelm and G. 2,995,460.
Ritzerfeld, Wilhelm and G. 2,997,947.
Ritzerfeld, Wilhelm and G. 2,997,949.
Ritzerfeld, Wilhelm and G. 3,000,349.
Ritzerfeld, Wilhelm and G. 3,013,486.
Ritzerfeld, Wilhelm, and G. Machine for selective offset printing. 2,967,475, 1-10-61, Cl. 101—91.
Ritzerfeld, Wilhelm and G. Apparatus for varying the length of a printed section of a printing form. 2,967,477, 1-10-61, Cl. 101—132.5.
Ritzerfeld, Wilhelm and G. Operation control arrangement for duplicators. 2,977,874, 4-4-61, Cl. 101—145.
Ritzerfeld, Wilhelm and G. Transfer sheets and method of making the same. 2,986,473, 5-30-61, Cl. 117—16.
Ritzerfeld, Wilhelm and G. Method and apparatus of making an ink ribbon. 2,995,460, 8-8-61, Cl. 117—4.
Ritzerfeld, Wilhelm and G. Multiple rotary printing machine. 2,997,947, 8-29-61, Cl. 101—91.
Ritzerfeld, Wilhelm and G. Machine for printing selected portions of a printing form. 2,997,949, 8-29-61, Cl. 101—132.5.
Ritzerfeld, Wilhelm and G. Duplicator moistening device. 3,000,349, 9-19-61, Cl. 118—264.
Ritzerfeld, Wilhelm and G. Selective printing arrangement. 3,013,486, 12-19-61, Cl. 101—132.5.
Ritz-Woller, Oliver C., and H. P. Renwick, to King Bee Mfg. Co. Clearance lamp. 2,985,750, 5-23-61, Cl. 240—7.1.
Rivard, Donald E.: *See*—
Campbell, Kenneth N., Rivard, and Feldkamp. 2,992,231.
Rivark Research and Development Corp.: *See*—
Rivoche, Eugene J. 3,010,831.
River Smelting & Refining Co., The: *See*—
Grodin, Jacob W. 2,986,784.
Rivera, Antonio P. Selective motor stop control for teleprinters. 2,985,711, 5-23-61, Cl. 178—4.1.
Rivera, Rene: *See*—
Gerwig, Harvey F., Cox, Hosterman, and Rivera. 2,997,064.
Rivers, George D.: *See*—
D'Onofrio, Anthony, and Rivers. 2,988,193.
Rivers, Russell C., to Riley Stoker Corp. Grate. 2,971,508. 2-14-61, Cl. 126—174.
Rives, Isaac, 12½% to F. Ruiz de Rives, 12½% to M. K. de Llerena, 12½% to P. Llerena, and 12½% to C. M. Kohly. Valve repair apparatus. 2,990,846, 7-4-61, Cl. 137—377.
Rives, William H., to Universal Business Machines, Inc. Suction pick-up head. 3,008,748, 11-14-61, Cl. 294—64.
Rivett Lathe & Grinder, Inc.: *See*—
Gilman, Wilbert M. 2,972,467.
Rivkin, Bernard W. Electric plug. 2,989,720, 6-20-61, Cl. 339—99.
Rivoche, Eugene J., to E. J. and M. Rivoche, as tenants in common with the right of survivorship. Preparation of frozen foods. 3,009,814, 11-21-61, Cl. 99—192.
Rivoche, Eugene J., to Rivark Itesearch and Development Corp. Process for treating food products. 3,010,831, 11-28-61, Cl. 99—193.
Rivoche, Marie: *See*—
Rivoche, Eugene J. 3,009,814.
Rix, Albert, to Olympia Werke A.G. Repeat actuation arrangement for typewriters. 2,971,625, 2-14-61, Cl. 197—17.
Rix, Edward G., to Stanley J. Shelter, and E. G. Rix, a copartnership d.b.a. Illinois Metal Products. Measuring instrument. 2,972,814, 2-28-61, Cl. 33—165.
Rix, Johannes, to Wilhelm Herm. Mulier & Co., Kommanditgesellschaft. Adjustable V-belt pulley for variable transmissions. 2,973,655, 3-7-61, Cl. 74—230.17.
Rixson, Oscar C., Co., The: *See*—
Burritt, Silvius, Jr., and Ellis. 2,998,635.
Burritt, Silvius, Jr., and Pichler. 2,992,808.
Rizza, Salvo. Hair clipper. 2,985,959, 5-30-61, Cl. 30—202.
Rizzi, Peter A., to Raytheon Co. Carrier suppressed ferrite modulator. 2,998,579, 8-29-61, Cl. 332—51.
Rizzo, Olympio C. Pneumatic jump boot construction. 2,968,105, 1-17-61, Cl. 36—2.5.
Rizzo, Samuel, to United States of America, Navy. Electromechanical winch control system. 2,991,959, 7-11-61, Cl. 244—3.
Rizzo, Samuel, and D. Biser. Electrical brake lining wear detector. 2,981,929, 4-25-61, Cl. 340—52.
Rizzone, Michael L., to United States Steel Corp. Shaft mounting. 2,998,716, 9-5-61, Cl. 64—1.
Roach, Charles D. Fendering device for ships. 3,005,435, 10-24-61, Cl. 114—220.
Roach, Donald B.: *See*—
Hall, Albert M., Ludwigson, Roach, and Whitmer. 2,967,770.
Roach, Erskine E., and I. W. Baker, to Harold Brown Co. Stop device for well pipes. 3,006,416, 10-31-61, Cl. 166—217.
Roach, Hal: *See*—
Persons, Clyde D. 2,993,306.
Roach, James R., to Texaco Inc. Lubricating grease thickened with indigo and soap mixture. 3,009,879, 11-21-61, Cl. 252—42.1.
Roach, James R., J. F. Lyons, and J. P. Dilworth, to Texaco Inc. Method for improving yield of sodium base greases. 2,969,325, 1-24-61, Cl. 252—42.
Roake, William E.: *See*—
Burger, Leland L., and Roake. 2,992,066.
Evans, Ersel A., Anicetti, and Roake. 2,977,297.
Roaldi, Arthur: *See*—
Logan, James S., and Roaldi. 3,006,733.
Roan, Henry A. Variable valve timing mechanism for internal combustion engines. 2,997,991, 8-29-61, Cl. 123—90.
Roanwell Corp.: *See*—
Cagen, George. 3,005,061.
Roark, James J.: *See*—
Meier, Edwin H., Roark, Skelton, and Webster. 3,012,474.
Roark, Leon S., to United Specialties, Inc. Electric cable reel. 2,996,584, 8-15-61, Cl. 191—12.2.
Robart Partitions, Inc.: *See*—
Urtis, Mark A. 2,968,830.
Robb, Edward J.: *See*—
Beltmann, Philip K., and Robb. 2,972,325.
Robb, Gerald D. Dispensing device. 2,973,019, 2-28-61, Cl. 141—24.
Robb, Howard E. Sanitary sand boxes for cats. 2,971,493, 2-14-61, Cl. 119—1.
Robbart, Edward. Ship's hull coated with anti-fouling silicone resin and method of coating. 2,986,474, 5-30-61, Cl. 117—94.
Robbart, Edward. Method and apparatus for treating continuous lengths of material with gaseous compositions. 2,995,470, 8-8-61, Cl. 117—106.
Robbers, James A., and J. R. B. Ellis, to California Research Corp. Processes for separating hydroperoxides into phenol and other products. 2,986,583, 5-30-61, Cl. 260—621.
Robbin & Myers, Inc.: *See*—
Bourke, John D. 3,011,445.

Robbins, Albert R., to Stein, Hall & Co., Inc. Adhesive composition comprising gelatinized starch, ungelatinized starch and polyvinyl acetate. 2,996,462, 8–15–61, Cl. 260—17.4.

Robbins, Archie L., and K. R. Mills, to Phillips Petroleum Co. Odor inhibitors for polyolefins. 3,004,001, 10–10–61, Cl. 260—45.95.

Robbins, Bruce A., and A. R. Fleischer, to The Enterprise Division of General Metals Corp. Means for increasing the power output of naturally aspirated internal combustion engines. 2,983,265, 5–9–61, Cl. 123—119.

Robbins, Daniel H., to Mergenthaler Linotype Co. Font plate magazine for phototypographical machine. 2,976,787, 3–28–61, Cl. 95—4.5.

Robbins, Edgar C.: *See*—
Mann, Leonard J., Robbins, and Wurtz. 2,994,209.

Robbins, Geoffrey W.: *See*—
Bowles, Vernon O., and Robbins. 2,990,237.

Robbins, Gerald L., to Keyes Fibre Co. Molded pulp packing for bottles. 2,974,788, 3–14–61, Cl. 206—65.

Robbins, Gordon B., to E. I. du Pont de Nemours and Co. Antiknock motor fuels. 3,008,814, 11–14–61, Cl. 44—63.

Robbins, James S., to Goodman Mfg. Co. Rotary tunneling machines. 2,988,348, 6–13–61, Cl. 262—7.

Robbins, Kenneth C., to Armour and Co. Purification of intrinsic factor. 3,008,877, 11–14–61, Cl. 167—74.

Robbins, Leo: *See*—
Karron, Jacob, Landis, and Robbins. 2,995,050.

Robbins, Lewis C. Chamber plugging device for firearms. 2,997,802, 8–29–61, Cl. 42—1.

Robbins, Louis J.: *See*—
Hall, Raymond E. 3,007,027.

Robbins & Myers, Inc.: *See*—
Buttner, Carl M. 2,988,626.
Springer, William E. 2,970,484.

Robbins, Reginald: *See*—
Potapenko, Gennady. 3,011,230.

Robbins, Robert J. Safety light for trailers, trucks, and the like. 2,992,321, 7–11–61, Cl. 240—7.1.

Robbins, Robert J. Indicating device for a vehicle. 3,005,089, 10–17–61, Cl. 240—7.1.

Robbins Tire and Rubber Co., Inc.: *See*—
White, Eldridge S. 2,989,779.

Robbins, William K. Chain link having two-piece spacing stud. 2,979,886, 4–18–61, Cl. 59—85.

Robbins, William W. Utility fixture. 3,012,090, 12–5–61, Cl. 174—52.

Robco Corp.: *See*—
Eickhoff, Louis. 2,986,023.

Roberge, Guy. Hoist for beds. 2,968,048, 1–17–61, Cl. 5—10.

Roberge, Howard, to American Can Co. Container closure. 2,973,116, 2–28–61, Cl. 220—81.

Roberge, Joseph O. Survival jacket. 2,992,433, 7–18–61, Cl. 2—94.

Roberson, Alfred C. Key ejecting lock device. 3,005,331, 10–24–61, Cl. 70—388.

Roberson, Edwin C.: *See*—
Probert, Rhys P., and Roberson. 3,012,402.

Roberson, Perry M., and R. A. Waddail, to Lummus Cotton Gin Co. Apparatus for cleaning seed cotton. 3,010,159, 11–28–61, Cl. 19—67.

Roberson, Raymond F., to International Harvester Co. Ram mounting for implements. 2,967,725, 1–10–61, Cl. 287—95.

Roberson, Raymond F., to International Harvester Co. Plow furrow wheel. 2,981,344, 4–25–61, Cl. 172—386.

Roberson, Walter B., and H. W. Craig, to Hudson Pulp & Paper Corp. Remoistening adhesive compositions. 2,997,404, 8–22–61, Cl. 106—205.

Robert, Andre, and J. Deslandes, to Compagnie Generale de Telegraphie Sans Fils. Tracking devices. 2,975,289, 3–14–61, Cl. 250—203.

Robert Hosiery Mills, Inc.: *See*—
Servin, Robert S. 2,995,838.

Robert, Jacques G.: *See*—
Jacob, Robert M., and Robert. 2,972,612.
Jacob, Robert M., and Robert. 2,975,175.
Jacob, Robert M., and Robert. 2,985,653.

Roberti, Joseph M. and V. V., to General Precision, Inc. Servosystem with damping which decreases with servomotor speed. 2,996,650, 8–15–61, Cl. 318—448.

Roberti, Vincent V.: *See*—
Roberti, Joseph M. and V. V. 2,996,650.

Roberts, A. Boake, and Co., Ltd.: *See*—
Sully, Bernard T. D. 2,975,138.

Roberts, Alan P., to Jersey Production Research Co. Hydraulically inflatable anchors. 2,970,651, 2–7–61, Cl. 166—212.

Roberts, Albert O., 40% to Arthur M. Smith. Locking differential. 2,978,929, 4–11–61, Cl. 74—711.

Roberts, Alfred H. Loudspeaker enclosure. 2,978,060, 4–4–61, Cl. 181—31.

Roberts, Billy W.: *See*—
Dolphin, Thomas J., and Roberts. 2,993,158.

Roberts Brass Mfg. Co., The: *See*—
Wildern, William J. 2,984,256.

Roberts, Carleton W., to The Dow Chemical Co. Composition comprising alkenyl aromatic resin and hexachlorocyclopentadiene-divinylbenzene adduct and process for preparing. 2,967,842, 1–10–61, Cl. 260—33.8.

Roberts, Charles T., to Graflex, Inc. Gearhead. 3,009,366, 11–21–61, Cl. 74—421.

Roberts, Claudius H. M., and W. S. Hinman, Jr., to United States of America, Army. Secrecy voice radio communication system. 2,987,614, 6–6–61, Cl. 250—6.

Roberts Co., The: *See*—
Selstad, Richard H. 3,000,009.

Roberts Construction Co.: *See*—
Stultz, Darrell, and Sissel. 2,996,963.

Roberts, Cornelius S., to Clevite Corp. Semiconductor product and method. 2,984,549, 5–16–61, Cl. 41—42.

Roberts, Cornelius S., to Fairchild Camera and Instrument Corp. Method of transistor manufacture. 3,013,955, 12–19–61, Cl. 204—15.

Roberts Development Corp.: *See*—
Schwarcz, Morton. 3,002,885.

Roberts, Earl J., and C. H. Mack, to United States of America, Agriculture. Method of repelling rodents. 2,992,969, 7–18–61, Cl. 167—46.

Roberts, Edward M.: *See*—
Fallon, Frances G., Roberts, Claxton, and Schumann. 2,991,287.

Roberts, Elmer G.: *See*—
Arnett, Samuel E., Roberts, and German. 3,014,676.

Roberts, Emory D. Expandable saw blade. 2,995,163, 8–8–61, Cl. 144—239.

Roberts, Ernest R., to Aerojet-General Corp. Igniter. 3,000,312, 9–19–61, Cl. 102—70.2.

Roberts, Eugene C.: *See*—
Landau, Argo E., Roberts, and Zellmann. 3,000,782.

Roberts, Francis M. Educational amusement device. 3,010,224, 11–28–61, Cl. 35—18.

Roberts, Frank A. Traverse rod hangers. 3,013,604, 12–19–61, Cl. 160—344.

Roberts, Frank B., to National Co., Inc. Oscillator having output means to selectively provide for crystal calibration and impedance matching. 2,992,397, 7–11–61, Cl. 331—44.

Roberts, Franklin B.: *See*—
Mehlhorn, Carl E., and Roberts. 2,968,139.

Roberts, Frederick W., to Dictaphone Corp. Correction and end-of-letter marker for dictating machine. 2,992,060, 7–11–61, Cl. 346—76.

Roberts, George B., and P. H. Moss, to Jefferson Chemical Co., Inc. Process of preparing butylene oxide from butylene chlorohydrin. 3,000,909, 9–19–61, Cl. 260—348.6.

Roberts, George E. Wheel jack. 3,011,250, 12–5–61, Cl. 29—267.

Roberts, George G.: *See*—
Shaw, John B., and Roberts. 3,009,053.

Roberts, George G. Pilot's ladder and the like. 2,997,128, 8–22–61, Cl. 182—196.

Roberts, George G., and J. B. Shaw. Rope ladder. 3,008,537, 11–14–61, Cl. 182—196.

Roberts, George I., to The Bendix Corp. Multiphase device having symmetrical resistance. 2,972,449, 2–21–61, Cl. 242—1.1.

Roberts, George I., to The Bendix Corp. Method and apparatus for forming stator end turns. 2,982,330, 5–2–61, Cl. 153—2.

Roberts, George L., Jr.: *See*—
Sheehan, Gerard M., Whately, and Roberts. 3,004,858.

Roberts, George L., Jr., J. A. McSheehy, and H. Soffer, to American Cyanamid Co. Solvent recovery. 2,975,190, 3–14–61, Cl. 260—314.5.

Roberts, Gerald C., to United Shoe Machinery Corp. Methods of vulcanizing outsoles onto shoe bottoms. 3,007,209, 11–7–61, Cl. 18—59.

Roberts, Henry, to Flight Refuelling Ltd. Plugs or closures. 2,967,640, 1–10–61, Cl. 220—55.3.

Roberts, Henry, to Flight Refuelling Ltd. and A.E.I.-John Thompson Nuclear Energy Co. Ltd. Automatically closing valves. 2,977,085, 3–28–61, Cl. 251—149.

Roberts, Hobart V., Jr.: *See*—
Deibel, Raymond A., Roberts, and Riester. 3,002,581.

Roberts, Horace L.: *See*—
De Frenes, Joseph F., and Roberts. 2,981,144.

Roberts, Hugh, to Machinery and Electrical Products Co., Inc. Portable power driven device for boring holes. 2,975,848, 3–21–61, Cl. 175—192.

Roberts, James A.: *See*—
Chandler, Wilbur O., and Roberts. 2,987,080.

Roberts, James A. Modular air diffuser. 2,982,197, 5–2–61, Cl. 98—40.

Roberts, James S., and E. S. Welch, to Milwaukee Chaplet & Mfg. Co., Inc. Illumination panel device. 3,010,235, 11–28–61, Cl. 40—132.

Roberts, Jess M.: *See*—
Todd, Hoyt H. 2,994,762.

Roberts, John A.: *See*—
Cook, William F., Roberts, and Roethel. 2,997,880.

Roberts, John A., to Texas Instruments Inc. Infrared detecting cell and a mounting therefor. 2,973,434, 2–28–61, Cl. 250—83.

Roberts, John A., to General Electric Co. Leak standard. 2,981,091, 4–25–61, Cl. 73—1.

Roberts, John A., to General Electric Co. Leak detector proportioning probe. 2,996,661, 8–15–61, Cl. 324—33.

Roberts, John A., to General Electric Co. Electrical vapor detector. 3,009,074, 11–14–61, Cl. 313—7.

Roberts, John G.: *See*—
Williams, James L., and Roberts. 2,985,797.

Roberts, John H., to V. E. Ramsey. Lined wirebound box blank. 2,971,665, 2–14–61, Cl. 217—3.

Roberts, John R., to Ditto, Inc. Means for line printing. 2,999,453, 9–12–61, Cl. 101—132.

Roberts, John S., and J. K. Rose, to Union Carbide Corp. Stabilized polypropylene with an A-stage paratertiaryalkylphenol-formaldehyde resin. 2,968,641, 1-17-61, Cl. 260—43.
Roberts, John T.: *See*—
Mooneyhan, William R., Roberts, Wilson, and MacDonald. 2,983,772.
Roberts, John T., and J. A. Hjullan, to Crane Co. Material extracting device. 3,005,553. 10-24-61. Cl. 210—83.
Roberts, John W., H. Daum, and W. T. Donahue, to Johns-Manville Corp. Apparatus for packing asbestos fibers and the like. 2,984,172, 5-16-61, Cl. 100—90.
Roberts, Joseph H., to United States of America, Atomic Energy Commission. Differential fault sensing circuit. 2,999,187, 9-5-61, Cl. 315—163.
Roberts, Judson E., to Holga Metal Production Co. Locking means for cabinets. 2,987,358. 6-6-61. Cl. 312—216.
Roberts, Kenneth, and S. C. Peterson, to International Industrial Developers, Inc. Flocking machine and method. 2,992,126, 7-11-61, Cl. 117—17.
Roberts, Lewis S. Drapery suspension device. 2,996,117, 8-15-61, Cl. 160—348.
Roberts Mfg. Co.: *See*—
Hill, Harvey J. 2,995,769.
Roberts, Marvin H. Stair railing. 3,005,242, 10-24-61, Cl. 20—10.
Roberts, Melvin F.: *See*—
Varese, Anthony A., and Roberts. 2,982,247.
Roberts, Perry M., to ACF Industries, Inc. Sound simulator circuit. 2,974,424, 3-14-61, Cl. 35—12.
Roberts, Richard L., and J. W. Lynn, to Union Carbide Corp. Vapor phase synthesis of allyl cyanide. 2,999,876, 9-12-61, Cl. 260—465.9.
Roberts, Samuel S., to McGraw-Edison Co. Telescopic protector. 2,971,399. 2-14-61, Cl. 74—609.
Roberts, Seward M., to American Flange & Mfg. Co. Inc. Vented pouring spouts for containers. 3,000,544, 9-19-61, Cl. 222—179.
Roberts, Sidney G., M. C. Fetzer, and J. B. Hess, to Kaiser Aluminum and Chemical Corp. Method of making an aluminum base alloy article. 2,967,351, 1-10-61, Cl. 29—420.5.
Roberts, Theron W., to Owens-Illinois Glass Co. Cathode-ray tube envelope. 2,969,163, 1-24-61, Cl. 220—2.3.
Roberts, Thomas E., Jr., to FMC Corp. Method of and apparatus for sorting articles. 3,009,571, 11-21-61, Cl. 209—111.5.
Roberts, Tudor W.: *See*—
Antell, George R., and Roberts. 2,975,048.
Roberts, Ulus S.: *See*—
Loter, James W., and Roberts. 2,973,943.
Roberts, Webster C.: *See*—
Parkinson, David B., Roberts, Haner, and Lepley. 2,990,535.
Rosenthal, Felix, Roberts, and Krejci. 2,969,827.
Roberts, Webster C., and G. H. Brandt, to Harris-Intertype Corp. Dampening device. 3,008,407, 11-14-61, Cl. 101—148.
Roberts-Western: *See*—
Stultz, Darrell, and Sissel. 2,996,963.
Roberts, Willard A., to North Electric Co. Ratchet and pawl stepping mechanism. 2,977,811, 4-4-61, Cl. 74—142.
Roberts, William L., to United States Steel Corp. System for controlling the screw settings of a reversing mill. 2,985,043, 5-23-61, Cl. 80—56.
Roberts, William L., and E. B. Ashcraft, to Westinghouse Electric Corp. Kinescope screen for daylight viewing. 2,969,474. 1-24-61, Cl. 313—92.
Roberts, William L., and W. E. Newell, to Westinghouse Electric Corp. Use of thin film field emitters in luminographs and image intensifiers. 2,970,219, 1-31-61, Cl. 250—213.
Robertshaw-Fulton Controls Co.: *See*—
Arden, Thomas T., and Weber. 2,993,532.
Beal, James F. 2,993,975.
Boyle, Eugene J., Jr., and McMichael. 2,991,037.
Brakebill, Harold G. 2,994,505.
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Carlson, Robert L., and Crafts. 2,986,636.
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Daly, James U. 2,993,507.
Evraets, John C. 2,992,287.
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Hardway, Edward V., Jr. 2,986,615.
Hewitt, John C., Jr. 2,989,841.
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Jackson, Wilbur F., and Wright. 2,982,300.
Jones, Leon. 2,988,085.
Kunzler, William S. 2,972,262.
Kreuter, Kenneth G. 2,990,780.
Malmquist, Carl E., and Chambers. 2,988,108.
Malthy, Frederick L., Weber, and Riester. 2,993,741.
Mansell, Geoffrey. 2,993,627.
McFarlane, Maynard D. 2,993,997.
McMichael, Robert G. 2,974,209.
Morgan, David L. 2,993,965.
Nye, Dudley D., Jr. 2,993,370.
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Puster, Louis M. 2,989,034.
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Robertson, Bedford S., Jr., to United States of America, Navy. Frequency modulated oscillator. 2,999,212, 9-5-61, Cl. 332—29.
Robertson, Dale N., to The Dow Chemical Co. Nitroalcohols. 3,005,825, 10-24-61, Cl. 260—289.
Robertson, Donald D., to Bell Telephone Laboratories, Inc. Signal translating system. 3,013,222, 12-12-61, Cl. 331—144.
Robertson, Edward W. Navigational computer. 2,999,635, 9-12-61, Cl. 235—61.
Robertson Electric Co., Inc.: *See*—
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Robertson, Ernest O., J. R. Stallabrass, and D. L. Bailey, to National Research Council. Icing detectors. 2,980,896, 4-18-61, Cl. 340—234.
Robertson, Gordon I., to Bell Telephone Laboratories, Inc. Device for instructing the public in the proper use of dial-equipped telephone station apparatus. 2,973,586, 3-7-61, Cl. 35—8.
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Curran, Bernard E. 2,970,768.
Curran, Bernard E. 2,987,328.
Curran, Bernard E. 2,987,330.
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Robinson, Alfred D., to Research Instrument Corp. Gas analyzer. 2,992,170, 7–11–61, Cl. 204—1.

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Robinson, Alfred J., and J. V. Weir, to Minerals & Chemicals Philipp Corp. Activation of clay by acid treatment and calcination. 2,967,157, 1–3–61, Cl. 252—450.

Robinson, Alfred J., and J. V. Weir, to Minerals & Chemicals Philipp Corp. Activation of clay by acid treatment and calcination in the presence of carbonaceous material. 2,988,519, 6–13–61, Cl. 252—450.

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Robinson, Anderson E., and W. D. Willis, to Hercules Powder Co. Cross-linking of copolymers of ethylene and propylene. 2,983,714, 5–9–61, Cl. 260—79.5.

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Robinson, Cecil H., to Schering Corp. Process for the manufacture of 9α,11β-dihalogenated steroids. 3,009,933, 11–21–61, Cl. 260—397.3.

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Robinson, Charles F., to Consolidated Electrodynamics Corp. Mass spectrometer. 2,976,413, 3–21–61, Cl. 250—41.9.

Robinson, Charles F., to Consolidated Electrodynamics Corp. Mass spectrometry. 2,977,470, 3–28–61, Cl. 250—141.9.

Robinson, Claude L., to Gardner-Denver Co. Portable drilling tool. 2,988,935, 6–20–61, Cl. 77—34.1.

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Robinson, David W., to Zonolite Co. Method of and apparatus for heat processing particulate solids. 3,010,911, 11–28–61, Cl. 252—378.

Robinson, Edmund S. Device for lubricating revolving blades of a shearing machine. 3,013,324, 12–19–61, Cl. 26—15.

Robinson, Edward J., to General Precision, Inc. Frequency doubler. 3,012,183, 12–5–61, Cl. 321—69.

Robinson, Edward N., M. J. Appleman, L. W. Miller, and L. Singer, to Impress-A-Key Corp. Impression record envelope. 2,975,956, 3–21–61, Cl. 229—68.

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Robinson, Herbert T., V. H. Jungjohann, and W. P. Ewald, to Eastman Kodak Co. Automatic magazine slide projectors. 2,969,711, 1–31–61, Cl. 88—28.

Robinson, Herbert T., V. H. Jungjohann, and W. P. Ewald, to Eastman Kodak Co. Slide projectors. 3,014,297, 12–26–61, Cl. 40—79.

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Robinson, Jack D., Jr., to American Machine & Foundry Co. Underwater craft. 2,987,893, 6–13–61, Cl. 61—69.

Robinson, Jacques H., to Monsanto Chemical Co. Manufacture of sulfur compounds. 3,005,030, 10–17–61, Cl. 260—609.

Robinson, James, and K. Court, to Vickers Inc. Flow sensitive directional control valve. 2,993,500, 7–25–61, Cl. 137—119.

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Robinson, James J. Apparatus for crimping or corrugating sheet metal. 2,983,302, 5–9–61, Cl. 153—76.

Robinson, James J. Metal forming apparatus. 3,003,540, 10–10–61, Cl. 153—76.

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Robinson, Norman W., to North American Philips Co., Inc. Vacuum pressure gauges. 2,986,037, 5–30–61, Cl. 73—388.

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Robinson, Ralph O., Jr., to United States of America, Navy. Base fuze protector. 2,982,212, 5–2–61, Cl. 102—70.

Robinson, Ralph O., Jr., to United States of America, Navy. Trailing wire antenna. 2,993,443, 7–25–61, Cl. 102—70.2.

Robinson, Ralph O., Jr., to United States of America, Navy. Roll indication system. 2,995,749, 8–8–61, Cl. 343—100.

Robinson, Ralph O., Jr., and T. W. Sheppard, to United States of America, Navy. Protective cover. 2,987,999, 6–13–61, Cl. 102—92.5.

Robinson, Richard A., to G. D. Searle & Co. 9-(N-substituted-ω-aminoalkyl)-pyrid [3,4-β] indoles and intermediate. 2,980,686, 4–18–61, Cl. 260—296.

Robinson, Richard A., to G. D. Searle & Co. 9-[ω-N-(ω-dialkylaminoalkyl) aminoalkyl]-9-pyrid [3,4-β]-indoles and derivatives. 3,014,039, 12–19–61, Cl. 260—296.

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Robinson, Robert E., and S. Schott, to National Distillers and Chemical Corp. Polymerization process, using a catalyst of an alkali metal hydrocarbon, a group IVb metal tetrahalide and aluminum trichloride. 3,007,907, 11–7–61, Cl. 260—94.9.

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Robinson, Russell S. Breech bolt operating mechanism. 3,000,267, 9–19–61, Cl. 89—169.

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Baldwin, Francis P., and Robinson. 2,968,588.
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Bass, Miles M., Bell, Hammond, Krueger, and Robischung. 2,988,858.
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Robledano, Pablo. Continuous wire conveyor and roller extractor. 2,987,988, 6-13-61, Cl. 100—118.

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Rockafellow, Stuart C. 2,998,561.

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Robra, Helmut, P. Billen, and M. Arenz, to Schloemann Aktiengesellschaft. Controlling means for a hydraulic press. 3,010,432, 11-28-61, Cl. 121—38.

Robson, Aubrey H., to American Air Filter Co., Inc. Air heater. 2,975,828, 3-21-61, Cl. 158—36.6.

Robson, Aubrey H., to American Air Filter Co., Inc. Air heater fuel control system. 2,979,264, 4-11-61, Cl. 236—10.

Robson, Aubrey H., to American Air Filter Co., Inc. Air heater fuel control system. 2,990,117, 6-27-61, Cl. 236—10.

Robson, Aubrey H., to American Air Filter Co., Inc. Air flow control apparatus. 3,005,887, 10-24-61, Cl. 200—81.9.

Robson, Charles H., and I. H. Collapsible core forms for molding ducts. 2,994,922, 8-8-61, Cl. 18—15.

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Robson, Frederick W., and T. R. Seaman, to Toledo Scale Corp. Multiple compartment dishwasher having a liquid level control. 2,981,265, 4-25-61, Cl. 134—57.

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Roby, Sheldon S., and W. N. Forbes, to The Stanley Works. Snap-on molding. 2,996,751, 8-22-61, Cl. 16—7.

Rocard, Yves A., and B. E. Bartels, to Hupp Corp. Infrared sensitive photoconductive cell. 3,005,970, 10-24-61, Cl. 338—18.

Rocca, John A. Controlling apparatus for the brake hose line of trucks. 2,971,528, 2-14-61, Cl. 137—355.12.

Rocchini, Albert G., and C. E. Trautman, to Gulf Research & Development Co. Vanadium-containing residual fuels modified with zinc and alkali metal compounds. 2,968,148, 1-17-61, Cl. 60—35.6.

Rocchini, Albert G., and C. E. Trautman, to Gulf Research & Development Co. Residual fuels. 2,979,890, 4-18-61, Cl. 60—35.6.

Rocchini, Albert G., and C. E. Trautman, to Gulf Research & Development Co. Wear-reducing lubricating composition. 3,001,937, 9-26-61, Cl. 252—32.

Rocchini, Albert G., and C. E. Trautman, to Gulf Research & Development Co. Lubricating composition containing an inorganic manganese compound and method of reducing engine wear therewith. 3,009,875, 11-21-61, Cl. 252—25.

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Lang, John L., Jones, Roche, and Ingley. 2,974,125.
Price, Raymond M., and Roche. 2,985,630.

Roche, Clifton R. Automatic transmission. 3,000,233, 9-19-61, Cl. 74—645.

Roche, James B., to Sumner Iron Works, Inc. Briquetting machines. 2,966,842, 1-3-61, Cl. 100—209.

Roche, James B., and W. C. Briggs, to Sumner Iron Works, Inc. Extrusion die for briquetting machine. 2,984,173, 5-16-61, Cl. 100—93.

Roche, Jean: *See*—
Michel, Raymond, and Roche. 2,970,165.

Roche, Melvin E., to Harvard Mfg. Co. Plastic caster socket. 2,973,546, 3-7-61, Cl. 16—43.

Roche, Melvin E., and H. J. Sands, to Harvard Mfg. Co. Divan-bed. 2,980,923, 4-25-61, Cl. 5—59.

Rochefort, Lionel. Automatic or semi-automatic installation for surface-treating mechanical parts. 2,966,915, 1-3-61, Cl. 134—76.

Rochegude, Louis V. M., to Ateliers Roannais De Constructions Textiles. Gulde for yarn winding spool. 2,973,155, 2-28-61, Cl. 242—18.

Rochelle, Robert W. Telemetering system. 2,970,301, 1-31-61, Cl. 340—183.

Rochelle, Robert W. Switching matrix employing transistors. 3,012,235, 12-5-61, Cl. 340—208.

Rochester, Nathaniel: *See*—
Haddad, Jerrier A., Richards, Rochester, and Ross. 2,974,866.

Rocheville, Charles E., and W. S. Secrist, to United States Steel Corp. Pump plunger. 2,991,806, 7-11-61, Cl. 138—101.

Rochlin, Morris, to Foamade Industries. Air filter. 2,966,960, 1-3-61, Cl. 183—73.

Rock Fabricates and Mining Corp.: *See*—
Reese, John D., and Sluter. 2,971,861.

Rock, George L., to Vaco Products Co. Ratchet tool. 2,986,248, 5-30-61, Cl. 192—44.

Rock, Harvey R.: *See*—
Sankovich, Melvin F., Mumm, North, Rock, and Geston. 2,982,713.

Rock, Howard P., and C. S. Toone. Gravity concentrator for metallurgical materials. 2,969,147, 1-24-61, Cl. 209—437.

Rock, Joseph J., to International Business Machines Corp. Servosystem with error signal producing motor speed control. 2,967,268, 1-3-61, Cl. 318—32.

Rockafellow, Stuart C., to Robotron Corp. Electrical circuit. 2,970,205, 1-31-61, Cl. 219—108.

Rockafellow, Stuart C., to Robotron Corp. Electrical device. 2,971,263, 2-14-61, Cl. 33—172.

Rockafellow, Stuart C., to Robotron Corp. Apparatus for inspecting articles. 2,989,891, 6-27-61, Cl. 88—14.

Rockafellow, Stuart C., to Robotron Corp. Control circuit for a stored-energy welder. 2,998,561, 8-29-61, Cl. 320—1.

Rockey, Kenneth O.: *See*—
Callender, Bernard L., Graffy, Holzbock, and Rockey. 2,981,273.

Rockford Machine Tool Co.: *See*—
Hallberg, Elmer E., and Litterst. 2,967,444.
Newton, Russell A., and Elbert. 3,009,398.

Rockford Show Case & Fixture Co.: *See*—
Michaelsen, William G. 3,002,795.
Rockhill, William E.: *See*—
Jodock, Marvin S. 3,000,533.
Rockland, Louis B. Emulsified wax compositions. 3,000,753, 9–19–61, Cl. 117—18.
Rockland, Louis B., and E. Lowe, to United States of America, Agriculture. Process of dehydrating walnuts. 3,005,719, 10–24–61, Cl. 99—199.
Rock of Ages Corp.: *See*—
Ferris, Cyrus Y., Jr. 2,992,001.
Rockoff, Joseph, to Dayco Corp. Textile fiber processing elements. 2,991,515, 7–11–61, Cl. 19—143.
Rockoff, Joseph, D. L. Waugh, and W. E. Huber, to Dayco Corp. Method and apparatus for finishing belts. 2,991,498, 7–11–61, Cl. 18—1.
Rockola, Donald C., to Rock-Ola Mfg. Corp. Multi-compartment lighted chest. 3,013,852, 12–19–61, Cl. 312—223.
Rock-Ola Mfg. Corp.: *See*—
Rockola, Donald C. 3,013,852.
Toolan, John J. 2,997,304.
Rockriver, Clyde R., to Coffee Equipment, Inc. Reciprocating coffee brewer. 2,978,974, 4–11–61, Cl. 99—283.
Rockstrom, Leonard: *See*—
Aaron, Charles, and Rockstrom. 2,983,463.
Rockstrom, Leonard, to Cameron Machine Co. Roll winding apparatus. 2,984,427, 5–16–61, Cl. 242—65.
Rockstrom, Leonard, and C. Aaron, to Cameron Machine Co. Roll rewinding device. 2,985,398, 5–23–61, Cl. 242—65.
Rockstuhl, Fritz G. R., to Telefunken G.m.b.H. D.C.-D.C. converter. 2,975,353, 3–14–61, Cl. 321—2.
Rockwell, Dean M. Valve assembly for pressurized containers. 3,011,686, 12–5–61, Cl. 222—397.
Rockwell, Edward A. Power booster mechanism. 2,972,902, 2–28–61, Cl. 74—388.
Rockwell, Edward A. Reservoir brake intensifier apparatus. 2,976,847, 3–28–61, Cl. 121—41.
Rockwell, Edward A. Emergency slack take-up and compound booster system for brakes. 2,978,871, 4–11–61, Cl. 60—54.5.
Rockwell, Edward A. Servo mechanism for hydraulic power motor systems. 2,989,852, 6–27–61, Cl. 60—54.6.
Rockwell, Edward A. Mechanical booster brake. 3,008,547, 11–14–61, Cl. 188—72.
Rockwell, Eileen A., to The La Resista Corset Co. Body molding garments. 3,006,345, 10–31–61, Cl. 128—548.
Rockwell G.m.b.H.: *See*—
Seyffer, Max. 3,004,375.
Rockwell, Gaynor O., to United States of America, Navy. Depth charge attack recorder. 2,968,021, 1–10–61, Cl. 340—6.
Rockwell, Harley T. Lubricating pad for journal boxes. 2,970,870, 2–7–61, Cl. 308—243.
Rockwell, Harvey W., to Allis-Chalmers Mfg. Co. Hydraulic valve. 2,985,147, 5–23–61, Cl. 121—46.5.
Rockwell, Harvey W., and D. W. Weede, to Allis-Chalmers Mfg. Co. Ejector return mechanism for scraper unit. 2,993,283, 7–25–61, Cl. 37—124.
Rockwell Mfg. Co.: *See*—
Bithell, Sidney R., Jr. 2,997,877.
Bowman, Gilbert T. 3,002,529.
Copp, William G. 3,011,529.
Eldridge, Benjamin S., and Warrick. 2,995,961.
Farrell, Thomas C., and Mankin. 3,011,644.
Goff, Charles B., Jr., and Manor. 3,010,539.
Herring, Robert H., and Newbauer. 2,979,071.
Karlby, Henning, and Newbury. 2,992,807.
Kish, Nicholas W. 2,979,076.
Marsh, Walter H. 2,970,441.
Massey, J. L. 2,997,056.
Niesemann, Fritz. 2,987,074.
Pettigrew, David D. 2,970,495.
Scherer, George F., and Bierwagen. 2,979,457.
Treff, Ernest H., and Hague. 2,989,867.
Vitello, Charles C. 3,011,344.
Whittaker, Alexander R. 2,993,375.
Wolfensperger, Adolph. 3,005,617.
Rockwell, Ronald J., to Crosley Broadcasting Corp. Automatic gain control amplifier. 3,003,116, 10–3–61, Cl. 330—141.
Rockwell-Standard Corp.: *See*—
Bixby, Leo A., and Bartell. 2,999,695.
Brixius, Jacob K., and Trenbath. 2,987,137.
Brownyer, Nelson R. 2,997,897.
Hammond, Milton B., and Bowman. 2,989,446.
Hammond, Milton B., and Herusovsky. 2,970,847.
Janulis, Chester A. 2,984,477.
Jugan, Michael R. 3,005,312.
Papp, Louis S. 3,009,539.
Perdue, Willard F., and Rowland. 2,990,170.
Scheel, Walther F. 3,002,762.
Stiebel, Ariel I. 2,999,921.
Stiebel, Ariel I., and Rigby. 3,011,610.
Walton, George M. 2,987,138.
Rockwell, William C.: *See*—
Lowe, Edison, Rockwell, and Hamilton. 3,000,294.
Rockwood, Albert M.: *See*—
Neidenthal, Kenneth W., Ballmer, and Rockwood. 2,995,918.
Rocky Mountain Metal Products Co.: *See*—
Brunson, Thayer R., and Davis. 2,973,311.
Rocovich, Daniel M., to Ford Motor Co. Vinyl stock cutting blade. 3,001,287, 9–26–61, Cl. 30—355.
Rod, Robert L., to Acoustica Associates, Inc. Footwear decontaminating apparatus. 2,989,965, 6–27–61, Cl. 134—46.
Rod, Robert L., to Acoustica Associates, Inc. Sensing the presence or absence of material. 2,990,543, 6–27–61, Cl. 340—244.
Rod, Robert L., and D. R. Church, to Acoustica Associates, Inc. Composite electro-acoustic transducer configuration. 2,998,535, 8–29–61, Cl. 310—8.3.
Rodale Mfg. Co., Inc.: *See*—
Schmier, Jacob. 2,993,193.
Rodaway, Keith S., to General Metals Corp. (Adel Precision Products Division). Seal. 2,969,998, 1–31–61, Cl. 288—24.
Roddam, Hugh R.: *See*—
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Rodder, William, to Blaw-Knox Co. Rotary kick-off for cooling beds. 2,976,980, 3–28–61, Cl. 198—104.
Roddy, John J., to The Skinner Chuck Co. Chuck. 2,994,540, 8–1–61, Cl. 279—110.
Rode, James A.: *See*—
North, Edward D., Rode, and Tompkin. 2,968,551.
Rodelli, Michael. Electric igniter device. 2,982,882, 5–2–61, Cl. 317—95.
Rodemich, Kermit W. Bulk storage turnhead. 3,006,387, 10–31–61, Cl. 141—94.
Roden, Harry, to Texaco Inc. Petroleum-based amorphous compositions. 3,000,808, 9–19–61, Cl. 208—23.
Rodenacker, Wolf, to Farbenfabriken Bayer Aktiengesellschaft. Method of and apparatus for melting organic thermoplastic plastics. 2,978,746, 4–11–61, Cl. 18—8.
Rodenhouse, Louis N., to Acme Protection Equipment Corp. Air filter construction. 2,993,564, 7–25–61, Cl. 183—71.
Roder, Joseph: *See*—
Zimmermann, Wilhelm, and Roder. 2,983,051.
Roderick, James E.: *See*—
Wellinger, Roger P., and Roderick. 2,990,492.
Roderick, Robert L., and E. S. Gwathmey, to Specialties, Inc. Aircraft rate of climb indicating instruments. 2,973,643, 3–7–61, Cl. 73—179.
Rodes, William D.: *See*—
De Long, Vincent R., and Rodes. 3,013,148.
Rodgers, Dorothy F., and L. Godowsky. Combination cleaning swab and septic tank activator. 2,996,744, 8–22–61, Cl. 15—210.
Rodgers, Ellis J., Jr., to Crown Zellerbach Corp. Process of incorporating foamable materials in corrugated paperboard and the article derived therefrom. 2,973,295, 2–28–61, Cl. 154—100.
Rodgers, George H., to Marco Industries Co. Transistorized light flasher and testing circuit. 2,977,581, 3–28–61, Cl. 340—331.
Rodgers, Harry F., and E. V. Harvey, to Bristol Siddeley Engines Ltd. Oil pump drives for propeller-gas turbine engine installations. 2,984,975, 5–23–61, Cl. 60—39.08.
Rodgers, John L.: *See*—
Coleman, Ralph A., and Rodgers. 2,971,921.
Rodgers, Otis N., to American Iron & Machine Works Co., Inc. Pumping well apparatus. 2,982,355, 5–2–61, Cl. 166—68.
Rodgers, William L. Tone arm lifter for phonographs. 2,972,483, 2–21–61, Cl. 274—23.
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Armbruster, Gunter. 3,008,290.
Geyduschek, Georges. 3,008,289.
Knoop, Hendrikus. 2,985,999.
Rodick, Henry F.: *See*—
Rodick, Vernon F. and H. F. 3,000,290.
Rodick, Raymond E., to The Steam-O-Matic Corp. Blower unit. 2,975,961, 3–21–61, Cl. 230—117.
Rodick, Vernon F. and H. F., to The Steam-O-Matic Corp. Method and apparatus for ventilating poultry and like houses. 3,000,290, 9–19–61, Cl. 98—33.
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Fitch, Lyle R., Fitch, and Rodigou. 3,006,227.
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Rodis, Franz: *See*—
Harnisch, Heinz, Ritter, and Rodis. 3,004,834.
Rodis, Franz, J. Krause, and K. Beltz, to Knapsack-Griesheim Aktiengesellschaft. Process for producing compositions containing sodium tripolyphosphate. 2,977,317, 3–28–61, Cl. 252—135.
Rodis, Franz, and K. Beltz, to Knapsack-Griesheim Aktiengeselischaft. Process for the production of alkali metal polyphosphates. 2,986,449, 5–30–61, Cl. 23—106.
Rodlove, Sol B.: *See*—
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Rodman, Clarence J. Wing structure. 2,973,170, 2–28–61, Cl. 244—123.
Rodman, Isaac P., A. W. Nolle, A. A. Chernosky, and L. G. S. Wood, to United States of America, Navy. Indicating a selected target echo in an echo wave train obtained by echo ranging. 2,987,698, 6–6–61, Cl. 340—3.
Rodman, James B.: *See*—
French, William D., and Rodman. 3,012,482.
Rodman, James P. Illuminated fountain. 2,974,872, 3–14–61, Cl. 239—20.
Rodman, Norman H. A., and A. Arbetman, to Orecione Concentrating Corp. Mineral concentrating and separating apparatus. 2,976,994, 3–28–61, Cl. 209—211.

Rodman, Norman H. A., and A. Arbetman, to Oreclone Concentrating Corp. Method of and apparatus for concentrating and separating ore. 2,978,100, 4-4-61, Cl. 209—18.
Rodney Hunt Machine Co.: *See*—
Amidon, Charles H., Jr., and Hopkins. 3,013,422.
Rodnick, Joseph W., to Morgan Construction Co. Guide for rolling mill. 3,013,453, 12-19-61, Cl. 80—53.
Rodrigues, John J., Jr., to Microchemical Specialties Co. Fraction collector. 2,997,077, 8-22-61, Cl. 141—130.
Rodrigues, John J., Jr., to Microchemical Specialties Co. Buret. 3,013,435, 12-19-61, Cl. 73—425.6.
Rodriguez, Antonio R., and A. B. Wallace, to Aerovox Corp. Ceramic capacitor and method of making it. 3,004,197, 10-10-61, Cl. 317—258.
Rodriguez, Manuel G. Egg carton with advertising means. 2,983,425, 5-9-61, Cl. 229—28.
Rodriguez, Michael J., to Empire Devices, Inc. Microwave attenuation units. 2,968,774, 1-17-61, Cl. 333—81.
Rodriguez, Pedro M. Film reeling magazine for movie cameras. 2,975,990, 3-21-61, Cl. 242—71.2.
Rodriguez Villa, Andres, and F. Pons. Detonator. 2,989,923, 6-27-61, Cl. 102—76.
Rodset, Bjorn. Fire balloons. 3,006,578, 10-31-61, Cl. 244—31.
Rodtz, Robert J., Sr. Tile spacer. 3,010,213, 11-28-61, Cl. 33—180.
Rodwell, William: *See*—
Knights, Herbert C., and Rodwell. 3,008,891.
Roe, A. V., & Co. Ltd.: *See*—
Diprose, Kenneth V., and Rowley. 3,011,712.
Edwards, John. 2,991,542.
Roe, David E., to Surface Active Products (Overseas) Ltd. Dispensers for synthetic detergents. 3,012,657, 12-12-61, Cl. 206—.5.
Roe, Douglas M., to Union Carbide Corp. Composite plastic piping. 3,008,493, 11-14-61, Cl. 138—146.
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Roe, Ronald W., to General Motors Corp. Self-damping torsilastic suspension. 2,981,537, 4-25-61, Cl. 267—57.1.
Roeber, Henry W.: *See*—
Crosby, Alton L., and Roeber. 2,970,683.
Roeber, Henry W., to Sylvania Electric Products Inc. Wire spreading machine. 2,979,084, 4-11-61, Cl. 140—71.6.
Roeber, Henry W., to Sylvania Electric Products Inc. Apparatus for applying leaves of electron emissive material to metallic cathode bases. 2,998,052, 8-29-61, Cl. 154—1.8.
Roeber, Henry W., to Sylvania Electric Products, Inc. Bulb assembly transfer device. 3,004,675, 10-17-61, Cl. 214—1.
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Roebuck, Alan K., B. L. Evering, and W. W. Sanders, to Standard Oil Co. Alkylation process. 2,975,223, 3-14-61, Cl. 260—683.53.
Roebuck, Alan K., and B. L. Evering, to Standard Oil Co. Alkylation process. 3,014,083, 12-19-61, Cl. 260—683.53.
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Roedel, Milton J., to E. I. du Pont de Nemours and Co. Blends of high density and low density ethylene polymers and films thereof. 2,983,704, 5-9-61, Cl. 260—45.5.
Roeder, John, Jr., to Whirlpool Corp. Refrigerating apparatus. 2,996,889, 8-22-61, Cl. 62—3.
Roeder, John, Jr., to Whirlpool Corp. Refrigerating apparatus. 2,997,514, 8-22-61, Cl. 136—4.
Roeder, John, Jr., and J. G. Oakley, to Whirlpool Corp. Refrigerating apparatus including warming means. 2,970,450, 2-7-61, Cl. 62—3.
Roederer, Helmut, and Hans-Heinrich Völker, to Corn Products Co. Process for the manufacture of chocolate. 2,999,017, 9-5-61, Cl. 99—23.
Roederer, Helmut, and W. Zinke, to Corn Products Co. Water resistant adhesive and process for preparing same. 2,999,030, 9-5-61, Cl. 106—210.
Roehl, William C., to The Vendo Co. Shelf assembly for supporting and feeding bottles to point of delivery in vending machines. 3,008,783, 11-14-61, Cl. 312—45.
Roehler, Lawrence A., to Sinclair Refining Co. Foam inhibited soluble oil composition. 2,972,578, 2-21-61, Cl. 252—33.3.
Roehm, Eldron G., to The Reliance Electric and Engineering Co. Automatic reset brake release. 2,974,756, 3-14-61, Cl. 188—171.
Roehm, William A. Printing unit for web presses. 2,982,204, 5-2-61, Cl. 101—247.
Roehr Engineering Co.: *See*—
Roehr, Jan K. 3,010,197.
Roehr, Jan K., to Roehr Engineering Co. Method of making hypodermic needles and like articles. 3,010,197, 11-28-61, Cl. 29—423.
Roehr, Zbislaw, M., J. L. Higgins, G. Trapper, and A. J. Schildbach, to Brunswick Corp. Ejector package. 3,008,570, 11-14-61, Cl. 206—43.
Roehrbein, Philip A., and J. H. Matusevich, to American Can Co. Apparatus for bulk loading sheet metal cans. 3,010,562, 11-28-61, Cl. 198—52.
Roehrich, Emma D.: *See*—
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Roehrich, Victor H., ½ to E. D. Roehrich. Applicator devices. 2,972,161, 2-21-61, Cl. 15—543.
Roehrig, Jonathan R., to National Research Corp. Gas chromatography. 3,009,060, 11-14-61, Cl. 250—435.
Roehrig, Jonathan R., to National Research Corp. Gas chromatography. 3,009,061, 11-14-61, Cl. 250—43.5.
Roehrig, Jonathan R., to National Research Corp. Gas analysis. 3,009,063, 11-14-61, Cl. 250—83.6.
Roehrig, Jonathan R., and G. F. Vanderschmidt, to National Research Corp. Beta particle ionization gauge. 2,993,137, 7-18-61, Cl. 313—7.
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Roemer, John J.: *See*—
Cox, Fred W., Jr., and Roemer. 2,997,378.
Roesch, Ernst, to Super Mold Corp. of California. Tire buffing machine. 2,985,231, 5-23-61, Cl. 157—13.
Roesch, Ernst, to Super Mold Corp. of California. Tire mounting wheel. 2,986,182, 5-30-61, Cl. 144—288.
Roesch, Ernst, to Super Mold Corp. of California. Tread centering mechanism for tire retreading molds. 3,004,287, 10-17-61, Cl. 18—18.
Roesch, William C., and R. C. McCall, to United States of America, Atomic Energy Commission. Method for measuring radiation. 3,010,021, 11-21-61, Cl. 250—83.6.
Roese, David W., and A. P. Rasmussen, to Westinghouse Electric Corp. Dynamic pressure simulator. 2,976,715, 3-28-61, Cl. 73—4.
Roesel, John F., Jr., and R. W. Lucky, to Westinghouse Electric Corp. Electrical inverter circuits. 2,977,550, 3-28-61, Cl. 331—113.
Roesel, John F., Jr., and A. E. Relation, to Westinghouse Electric Corp. Electrical system for energizing load apparatus. 2,983,846, 5-9-61, Cl. 315—97.
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Roeser, John O., to Illinois Tool Works. Sealed push button control switch. 2,984,726, 5-16-61, Cl. 200—168.
Roeser, John O., to Illinois Tool Works. Toggle switch mechanism. 3,008,024, 11-7-61, Cl. 200—172.
Roesing, James P., to United States of America, Army. V and O primer disc detector. 2,992,583, 7-18-61, Cl. 86—10.
Roesler, Ernst, and K. Kressel, to Montblanc-Simplo G.m.b.H. Writing instruments. 2,986,119, 5-30-61, Cl. 120—42.03.
Roessler, Clark T.: *See*—
Racz, Louis J., and Roessler. 3,001,046.
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Roethel, John H. Door lock. 3,007,731, 11-7-61, Cl. 292—280.
Roethlisberger, Arthur C., to Westinghouse Electric Corp. Bus duct plug-in unit. 2,977,449, 3-28-61, Cl. 200—168.
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Chalmers, John W., Hall, and Roffey. 2,999,345.
Rogallo, Francis M., J. M. Riebe, and J. G. Lowry, to United States of America, National Aeronautics and Space Administration. Jet aircraft configuration. 2,991,961, 7-11-61, Cl. 244—12.
Rogan, John B., to E. I. du Pont de Nemours and Co. Branched chain polyurethane polymers. 3,012,993, 12-12-61, Cl. 260—77.5.
Rogers, Alan B., and J. F. Roland, Jr., to Armour and Co. Control of microorganisms in the gastrointestinal tract. 3,011,943, 12-5-61, Cl. 167—53.
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Rogers, Arthur L. Load carrying and automatic load releasing device. 2,988,395, 6-13-61, Cl. 294—83.
Rogers, Arthur O., to E. I. du Pont de Nemours and Co. Synthesis of 5-(4-aminobutyl) hydantoin. 3,007,937, 11-7-61, Cl. 260—309.5.
Rogers, Bea D. Pressing cover for irons. 2,990,635, 7-4-61, Cl. 38—97.
Rogers, Charles H., to R. T. Vanderbilt Co., Inc. Method of preparing bordeaux mixture concentrate. 2,998,345, 8-29-61, Cl. 167—16.
Rogers, Chester E., Jr., to United Shoe Machinery Corp. Fastener inserting tools. 2,982,595, 5-2-61, Cl. 1—53.
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Anderson, Paul L., Zagusta, and Greenman. 2,971,249.
Greenman, Norman L., Zagusta, and Anderson. 2,972,003.
Greenman, Norman L., Zagusta, and Anderson. 2,986,804.
Greenman, Norman L., Zagusta, and Anderson. 2,988,839.
Rogers, Dilworth T., and J. P. McDermott, to Esso Research and Engineering Co. Additives to improve the electrical properties of combustible organic liquids. 2,992,909, 7-18-61, Cl. 52—.5.

Rogers, Douglas C.: *See*—
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Rogers, Dow A., Jr.: *See*—
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Rogers, Edward F.: *See*—
Sarett, Lewis H., Leanza, and Rogers. 3,001,909.
Sarett, Lewis H., Rogers, and Clark. 2,995,567.
Rogers, Edward F., to Merck & Co., Inc. 1-methyl-4-nitro-5-cyano-imidazole compositions for treating coccidosis. 2,974,087, 3-7-61, Cl. 167—53.1.
Rogers, Edward F., and W. J. Leanza, to Merck & Co., Inc. Controlled particle size of 4,4-dinitrocarbanilide. 3,008,873, 11-14-61, Cl. 167—53.
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Rogers, Francis R., and M. R. Adams, to The Bendix Corp. Flow divider. 3,007,486, 11-7-61, Cl. 137—491.
Rogers, Frederick: *See*—
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Rogers, Gerald L., to Stile-Craft Mfgrs. Flow meter. 2,982,135, 5-2-61, Cl. 73—209.
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Rogers, Gerald L., to Stile-Craft Manufacturers. Service valve. 3,012,580, 12-12-61, Cl. 137—625.5.
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Rogers, Louis E. Blind stitch hemming foot. 2,986,106, 5-30-61, Cl. 112—151.
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Rogers, Otis C., Jr., to North American Aviation, Inc. Canopy actuator. 2,998,212, 8-29-61, Cl. 244—121.
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Bortnick, Newman M., and Fegley. 2,984,666.
Bortnick, Newman M., and Fegley. 2,984,671.
Bortnick, Newman M., and Fegley. 2,984,672.
Bortnick, Newman M., and Fegley. 2,984,673.
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Bortnick, Newman M., and Fegley. 2,993,047.
Bortnick, Newman M., and Fegley. 2,993,049.
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De Benneville, Peter L. 2,969,359.
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Feely, Wayne E. 2,971,002.
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Fisher, Sallie A. 2,999,821.
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Gehshan, Nicholas T., and Specht. 2,990,403.
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Kucsan, John, and Kline. 2,994,676.
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Levesque, Charles L. 2,987,445.
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Matlin, Nathaniel A., and Kline. 2,982,682.
McRae, Dougal H. 2,994,599.
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Moser, Vincent J. 3,012,911.
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Nedwick, John J., and Snyder. 2,969,395.
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Young, Harold C., and Toy. 2,976,204.
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Rohmann, Charles P., to Minneapolis-Honeywell Regulator Co. Roller actuated valve. 2,989,076, 6–20–61, Cl. 137—620.

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Rohrer, Kenneth L., and J. B. Diffenderfer, to Westinghouse Electric Corp. Electropolishing of titanium and titanium alloys. 2,997,429, 8–22–61, Cl. 204—140.5.

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Rolingson, William R., to Monsanto Chemical Co. Preparation of cyanamide. 2,971,820, 2–14–61, Cl. 23—190.

Rolingson, William R., to Monsanto Chemical Co. Preparation of cyanamide. 2,975,030, 3–14–61, Cl. 23—190.

Rolingson, William R., to Monsanto Chemical Co. Preparation of cyanamide. 2,975,031, 3–14–61, Cl. 23—190.

Rolingson, William R., to Monsanto Chemical Co. Preparation of cyanamide. 2,975,032, 3–14–61, Cl. 23—190.

Rolinson, George N., M. Richards, and F. R. Batchelor. Production of 6-aminopenicillanic acid. 3,014,845, 12–26–61, Cl. 195—36.

Rolinson, George N., M. Richards, and F. R. Batchelor. Production of 6-aminopenicillanic acid. 3,014,846, 12–26–61, Cl. 195—36.

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Rolle, Sylvan D., to United States of America, Army. High auto-ignition temperature explosive. 2,982,642, 5–2–61, Cl. 52—15.

Roller, Albert E., to General Motors Corp. Anti-squat swing axle suspension. 2,968,357, 1–17–61, Cl. 180—73.

Roller, Albert E., to General Motors Corp. Pneumatic vehicle suspension with torque responsive pitch control. 2,981,354, 4–25–61, Cl. 180—73.

Roller, George G., to The Dow Chemical Co. Phenyl 3,5-dibenzoyl-β-resorcylate. 3,012,063, 12–5–61, Cl. 260—473.

Roller, George G., to The Dow Chemical Co. Preparation of β-resorcyclic acids. 3,014,068, 12–19–61, Cl. 260—517.

Roller, George G., and E. D. Holly, to The Dow Chemical Co. Derivatives of ρ-halophenol. 2,993,073, 7–18–61, Cl. 260—591.

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Roman, Walter G., to United States of America, Atomic Energy Commission. Reactor. 2,990,349, 6–27–61, Cl 204—154.2.
Romand, Jacques L., and B. Vodar, to Centre National de la Recherche Scientifique. Light sources for the spectrochemical analysis of substances. 2,974,256, 3–7–61, Cl. 315—168.
Romand, Jacques L., and B. Vodar, to Centre National de la Recherche Scientifique. Spectrum analysis apparatus. 2,980,798, 4–18–61, Cl. 250—83.3.
Romaniuk, John. Vacuum type road sweeper. 2,973,544, 3–7–61, Cl. 13—340.
Romano, Sam S., to Webcor, Inc. Tape guide. 2,998,177, 8–29–61, Cl. 226—189.
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Smith, Jack C., Etterman, and Romine. 3,011,956.
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Romine, Roy T., to Bell Intercontinental Corp., Wheelabrator Division. Frame and housing construction for a barrel finishing machine. 2,983,084, 5–9–61, Cl. 51—164.
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Huyck, Willard M., and Romito. 2,998,306.
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Rommel, Frederick E., to Telephone Mfg. Co. Ltd. Mounting of armatures of polarised electromagnetic relays. 2,977,513, 3–28–61, Cl. 317—174.
Rommel, Howard E. Electrical switch. 2,972,661, 2–21–61, Cl. 200—5.
Rommel, Reiner and F. Pliers with self-adjusting toggle means. 2,997,903, 8–29–61, Cl. 81—379.
Romo Armeria, Jesus, to Syntex S.A. 16α-hydroxymethylprogesterone and derivatives. 2,992,217, 7–11–61, Cl. 260—239.55.
Romo, Jesus: *See*—
Djerassi, Carl, Rosenkranz, Kaufman, Pataki, and Romo. 2,991,294.
Sondheimer, Franz, Romo, Rosenkranz, and Djerassi. 3,014,031.
Rona, Thomas P., to Baird-Atomic, Inc. Information transfer and storage devices. 2,972,737, 2–21–61, Cl. 340—174.1.
Ronald Trust & Co. Ltd.: *See*—
Newton, Sidney L. C. 3,009,721.
Ronaldson, James V., and R. C. Hollingworth. Tools for the abrasive treatment of the interior of hollow bodies. 2,996,756, 1–3–61, Cl. 51—184.1.
Ronaldson, Louise. Milking machine teat cups. 2,986,117, 5–30–61, Cl. 119—14.38.
Ronay, Bela M. Method of making welded bi-metal piston rings. 3,000,080, 9–19–61, Cl. 29—156.6.
Roncl, John J. Talking greeting card. 2,976,049, 3–21–61, Cl. 274—16.
Roncl, Victor L., and E. J. Walsh, to Bell Telephone Laboratories, Inc. Electron discharge devices. 3,011,084, 11–28–61, Cl. 313—258.
Ronco, Karl: *See*—
Frey, Christoph, Ronco, and Schmid. 2,988,544.
Rondeau, Henry S. Feed control for metal spray guns and the like. 3,003,702, 10–10–61, Cl. 239—84.
Rondot, Jean A. J. Submarine vessels for the transport of goods such as petroleum. 2,989,937, 6–27–61, Cl. 114—16.
Ronel Corp.: *See*—
Lidsky, Julius. 2,974,378.
Roneo Ltd.: *See*—
Smith, Leslie H. 2,975,704.
Roney, Charles F., to Bee Chemical Co. Liquid coating composition comprising a suspension of a liquid coating component in nitromethane. 2,990,386, 6–27–61, Cl. 260—23.
Roney, Richard N.: *See*—
Brown, George C., and Roney. 2,991,594.
Roney, William S.: *See*—
Stevens, Lewis A., and Roney. 2,978,700.
Ronfeldt, Howard W., to United States of America, Navy. Fire bomb. 3,005,406, 10–24–61, Cl. 102—6.
Ronicker, John E. Rat bait station. 3,008,262, 11–14–61, Cl. 43—131.
Ronning, Adolph. Vehicle wheel. 3,007,740, 11–7–61, Cl. 301—6.
Ronnquist, Carl R.: *See*—
Evans, Walter W., Oliver, and Ronnquist. 2,987,796.
Ronson Corp.: *See*—
Bond, Beverly B. 3,008,571.
Goddard, John A. 3,006,406.
Goddard, John A., and Retzler. 2,984,093.
Ronson Metals Corp.: *See*—
Bungardt, Walter. 2,978,322.
Hirschhorn, Isidor S. 2,969,669.
Ronyak, Robert C., to Koehring Co. Portable batching apparatus. 2,988,235, 6–13–61, Cl. 214—2.
Ronzi, Carl. Hair treating apparatus. 3,004,540, 10–17–61, Cl. 132—9.
Ronzio, Anthony R., to Radiological Research Institute, Inc. Method of treating refractory ores for the recovery of values therefrom. 2,999,747, 9–12–61, Cl. 75—1.
Roob, Walter J. Vignetting apparatus. 2,972,931, 2–28–61, Cl. 88—24.
Rood, Willard: *See*—
Kramer, John V. 2,968,912.
Roof, James L., to Westinghouse Electric Corp. Electrical control apparatus. 2,996,653, 8–15–61, Cl. 322—25.
Rook, Seymour: *See*—
Oken, Stanley, Rook, and Merl. 2,984,831.
Rooney, William J. Drop guards for refrigerator door shelves. 2,976,101, 3–21–61, Cl. 312—300.
Roop, Cyril W.: *See*—
Morris, Thomas C., MacDonald, Roop, and Rossitto. 3,008,912.
Paulsen, Hans C., Roop, and Rossitto. 3,007,200.
Roos, Charles E.: *See*—
King, Robert B., and Roos. 3,006,237.
Roos, Charles J. Window construction. 2,988,786, 6–20–61, Cl. 20—40.
Roos, Cyril J.: *See*—
Bono, Joseph J., and Roos. 2,999,521.
Roos, Cyril J., to American Heat-Seal, Inc. Press bed. 3,006,091, 10–31–61, Cl. 38—66.
Roos, Ernst, and D. Rosahl, to Farbenfabriken Bayer Aktiengesellschaft. Diazo catalysts for the polymerization of chloroprene. 2,967,851, 1–10–61, Cl. 260—45.9.
Roos, Ernst, M. Burgdorf, and F. Lober, to Farbenfabriken Bayer Aktiengesellschaft. Stabilizers for halogen-containing high polymers. 2,985,619, 5–23–61, Cl. 260—45.9.
Roos, Ernst, F. Lober, and M. Burgdorf, to Farbenfabriken Bayer Aktiengesellschaft. Stabilizers for polymers containing chlorine. 3,007,895, 11–7–61, Cl. 260—45.8.
Roos, Ernst, F. Lober, O. Bayer, and H. Scheurlen, to Farbenfabriken Bayer Aktiengesellschaft. Process for stabilizing polymers of monoolefins. 3,010,937, 11–28–61, Cl. 260—45.7.
Roos, John T., to Bird Machine Co. Fluid distributor. 2,997,068, 8–22–61, Cl. 137—624.13.
Roosens, Laurent P.: *See*—
Hart, Rene M., Roosens, and Troquet. 2,984,568.
Root, Andrew A., to American Can Co. Squeeze-to-use type container. 2,981,444, 4–25–61, Cl. 222—193.
Root, Charles W., to The Bendix Corp. Electrical apparatus. 3,013,129, 12–12–61, Cl. 200—44.
Root, Elihu, III: *See*—
Holm, Carl H., and Root. 2,998,009.
Root, George R., to Root Mfg. Co., Inc. Adjustable balance for chain saw handle. 3,006,388, 10–31–61, Cl. 143—32.
Root Mfg. Co., Inc.: *See*—
Root, George R. 3,006,388.
Root, Nathan, and F. G. Nyman, ⅓ to H. Baer, and ⅓ to B. Woldring. Steam diffuser for fabric pressing machines. 2,977,697, 4–4–61, Cl. 38—16.
Root Neal and Co.: *See*—
Rengert, George W. 2,974,546.
Root, Robert S., to Lipe-Rollway Corp. Thermally responsive transmission for automobile fan. 2,990,045, 6–27–61, Cl. 192—82.
Rooted Hair, Inc.: *See*—
Sotzky, Bernard. 3,013,567.
Roovers, Wilhelmus A., to North American Philips Co., Inc. Method of joining two metal parts in a vacuum-tight manner and object manufactured by the use of such method. 2,975,928, 3–21–61, Cl. 220—2.3.

Roozee, James B.: *See*—
Vandercook, Edward O. and D. D., and Fouser, and Roozee. 2,998,767.
Roozee, James B., to Vandercook & Sons, Inc. Automatic inking system wash-up. 2,985,103, 5–23–61, Cl. 101—425.
Roozee, James B., to Vandercook & Sons, Inc. Inking roller system. 2,992,609, 7–18–61, Cl. 101—354.
Roozendaal, Klaas: *See*—
Dros, Albert A., Roozendaal, van der Laan, Palthe, and Hellingman. 3,004,408.
Hellingman, Evert, van der Laan, and Roozendaal. 2,999,364.
Rop, James O.: *See*—
Anderson, Lloyd L., Rop, and McCurdy. 2,992,594.
Rope, Barton W.: *See*—
Dobres, Robert M., and Rope. 2,983,672.
Roper, Alec N.: *See*—
Haward, Robert N., Katz, and Roper. 2,991,258.
Roper, Alec N., E. Seljo, and W. G. Barb, to Shell Oil Co. Plastic composition comprising a blend of an elastomer and a certain ternary copolymer and method of making same. 2,991,270, 7–4–61, Cl. 260—45.5.
Roper, Charles G., and A. J. Sable, to Robertshaw-Fulton Controls Co. Electromechanical balance unit and control system employing same. 3,011,348, 12–5–61, Cl. 73—398.
Roper, Donald A.: *See*—
Lackey, Daryl L., and Roper. 3,011,878.
Roper, Geo. D., Corp.: *See*—
Reeves, Herbert M., and Mathis. 3,008,406.
Roper Hydraulics, Inc.: *See*—
Mosbacher, Bruce H. 3,000,479.
Roper, John M., to Grimes Mfg. Co. Illuminated instrument panel assembly. 2,991,576, 7–11–61, Cl. 40—130.
Ropes, George F.: *See*—
Chick, Russell W., and Ropes. 2,973,306.
Ropp, Walter S., to Hercules Powder Co. Vulcanization of latex with organic hydroperoxide. 2,975,151, 3–14–61, Cl. 260—29.7.
Roppel, Richard M. Analogue-to-digital encoding system. 2,993,201, 7–18–61, Cl. 340—347.
Rorie, George C., and J. W. Alford, to Lone Star Boat Co. Convertible seat. 2,971,568, 2–14–61, Cl. 155—45.
Rorig, Kurt J.: *See*—
Kalm, Max J., and Rorig. 2,984,668.
Rorig, Kurt J., to G. D. Searle & Co. Dialkylaminoalkyl chlorocarbanilates and process. 2,973,385, 2–28–61, Cl. 260—472.
Rorig, Kurt J., to G. D. Searle & Co. N-alkoxyphenalkyl-α,α-diphenyl-4-piperidinemethanols and processes. 3,014,037, 12–19–61, Cl. 260—294.7.
Rosa, John, to Westinghouse Electric Corp. Magnetic amplifier. 2,977,481, 3–28–61, Cl. 307—88.
Rosaen Filter Co., The: *See*—
Rosaen, Oscar E. 3,000,324.
Rosaen, Oscar E. Vane type pumps. 2,982,219, 5–2–61, Cl. 103—120.
Rosaen, Oscar E. Fluid pumps. 2,982,223, 5–2–61, Cl. 103—136.
Rosaen, Oscar E., to The Rosaen Filter Co. Vane for rotary pumps. 3,000,324, 9–19–61, Cl. 103—136.
Rosahl, Dietrich: *See*—
Heinz, Anton R., Rosahl, and Granlich. 3,013,000.
Roos, Ernst, and Rosahl. 2,967,851.
Rosaia, Henry P. Packer type refuse truck. 2,996,203, 8–15–61, Cl. 214—82.
Rosalik, Joseph J.: *See*—
Glowzinski, Chester J., and Rosalik. 2,970,209.
Rosamilia, Peter L.: *See*—
Harvey, Mortimer T., and Rosamilia. 2,972,591.
Harvey, Mortimer T., and Rosamilia. 2,976,264.
Harvey, Mortimer T., and Rosamilia. 2,987,495.
Harvey, Mortimer T., and Rosamilia. 3,014,530.
Rosan Engineering Corp.: *See*—
Rosan, Jose. 2,984,279.
Rosan, Jose. 2,992,018.
Rosán, José. 2,997,530.
Rosán, José. 3,007,660.
Rosan, Jose, to Rosan Engineering Corp. Locking insert with deformable flange bearing peripheral biting teeth. 2,984,279, 5–16–61, Cl. 151—41.73.
Rosan, Jose, to Rosan Engineering Corp. Self locking threaded coupling. 2,992,018, 7–11–61, Cl. 285—81.
Rosán, José, to Rosan Engineering Corp. Through terminal and mounting for sheet elements. 2,997,530, 8–22–61, Cl. 174—153.
Rosán, José, to Rosan Engineering Corp. Shock isolating support. 3,007,660, 11–7–61, Cl. 248—20.
Rosati, Gildo. Apparatus for corrugating paper in a direction parallel to the length of the sheet. 3,002,876, 10–3–61, Cl. 156—594.
Roshack, Richard H., to The Bendix Corp. Detent mechanism. 2,980,455, 4–18–61, Cl. 287—58.
Rosbro Plastics Corp.: *See*—
Brown, Bertram M. 3,010,254.
Pullen, Eric V. 3,007,706.
Roschke, Erwin M.: *See*—
Druz, Walter S., and Roschke. Re. 24,926.
Druz, Walter S., and Roschke. 2,987,576.
Eilers, Carl G., and Roschke. 2,972,010.
Roschke, Erwin M., to Zenith Radio Corp. Subscription television system. 2,972,009, 2–14–61, Cl. 178—5.1.
Roschke, Erwin M., to Zenith Radio Corp. Subscription television. 2,982,952, 5–2–61, Cl. 340—345.
Roschke, Erwin M., to Zenith Radio Corp. Subscription television receiver and method of operating the same. 2,994,739, 8–1–61, Cl. 178—5.1.
Roschke, Erwin M., to Zenith Radio Corp. Subscription receiver. 3,011,016, 11–28–61, Cl. 178—5.1.
Rosco Metal & Roofing Products Ltd.: *See*—
Buell, Milton A., and Mack. 2,991,855.
Roscoe, John P. Traffic counting device. 2,992,776, 7–18–61, Cl. 235—99.
Rose, Albert, to Radio Corp. of America. Electrophotography. 2,976,144, 3–21–61, Cl. 96—1.
Rose, Alfred G.: *See*—
Kay, James A., and Rose. 2,979,145.
Rose, Bennie A., to Heyl & Patterson, Inc. Unloader. 2,973,877, 3–7–61, Cl. 214—656.
Rose, Bennie A., to Heyl & Patterson, Inc. Unloader. 2,995,259, 8–8–61, Cl. 214—14.
Rose, Boyd W., to Food Machinery and Chemical Corp. Sampling device for bag filling apparatus. 2,968,948. 1–24–61, Cl. 73—421.
Rose Brothers (Gainsborough) Ltd.: *See*—
Kay, James A., and Rose. 2,979,145.
Plastow, Ronald J. 2,978,241.
Rose, Charles F. P., to Bell Telephone Laboratories, Inc. Electromagnetic wave attenuator. 2,968,775, 1–17–61, Cl. 333—81.
Rose, Clayton S. Positive closing toilet tank valve. 2,996,727, 8–22–61, Cl. 4—41.
Rose, Donald, ½ to R. D. Baker. Valve assembly for water treating apparatus. 3,014,497, 12–26–61, Cl. 137—612.1.
Rose, Dorothy A.: *See*—
Rose, Louis E. and D. A. 2,996,724.
Rose, Elton A.: *See*—
Pitcher, Richard M., Rose, and Sparks. 2,978,033.
Rose, Eugene L., to Gene Rose Co., Inc. Tire inflating device. 2,991,629, 7–11–61, Cl. 62—48.
Rose, Gene, Co., Inc.: *See*—
Rose, Eugene L. 2,991,629.
Rose, George M.: *See*—
Knauf, Harry V., Jr., and Rose. 3,007,760.
Power, Donnell W., Rose, and Parish. 2,994,042.
Rose, George M., Jr., to Radio Corp. of America. Electron tube. 3,004,185, 10–10–61, Cl. 313—245.
Rose, Herbert: *See*—
Cooper, Alva N. 2,972,870.
Rose, Howard E., to Borg-Warner Corp. Sampling valve. 3,007,860, 11–7–61, Cl. 204—193.2.
Rose, Ira M.: *See*—
Shapiro, Seymour L., Freedman, and Rose. 2,991,290.
Rose, Jay. Apparatus for cleaning and locating clogged hypodermic needles. 3,013,570, 12–19–61, Cl. 134—171.
Rose, John E.: *See*—
Shonka, Francis R., Rose, and Failla. 3,005,794.
Rose, John F., to Maico Electronics, Inc. Acoustical device. 2,991,333, 7–4–61, Cl. 179—107.
Rose, Joseph K. Means for independent orientation of antennas on a mast. 3,008,140, 11–7–61, Cl. 343—758.
Rose, Julian K.: *See*—
Leech, Robert E., and Rose. 2,996,517.
Roberts, John S., and Rose. 2,968,641.
Rose, Leslie, and H. Sparke, to Kirklees Ltd. Means for generating and controlling random effects. 2,976,105, 3–21–61, Cl. 346—33.
Rose, Leslie W. Electric connectors for outlet boxes. 2,973,212, 2–28–61, Cl. 285—159.
Rose, Louis E. and D. A. Cushioned head scarf. 2,996,724, 8–22–61, Cl. 2—171.
Rose, Morton J. Connecting means for building structures. 2,982,380, 5–2–61, Cl. 189—34.
Rose, Ralph: *See*—
Harman, Cameron G., and Rose. 2,973,246.
Rose, Robert G.: *See*—
Cline, Robert C., Rose, and Wiands. 2,979,343.
Freeman, Eben W., Goff, and Rose. 2,997,406.
Kuzmitz, Frank V., Eastman, and Rose. 2,971,574.
Rose, Stanley E., to Avien, Inc. Frequency-compensated flowmeter system. 2,975,634, 3–21–61, Cl. 73—194.
Rose, Werner P., A. R. Gessinger, and R. E. Kuhn. Hold down pin bar assembly for continuous batcher. 3,009,376, 11–21–61, Cl. 83—381.
Rose, William C.: *See*—
Breveglieri, Franklin L., and Rose. 2,996,305.
Rose, William E., deceased, by O. M. Barker, executrix, to Penn Metal Co., Inc. Resilient clip and installation thereof. 2,995,872, 8–15–61, Cl. 50—481.
Ro-Search, Inc.: *See*—
Rollman, Ernest E. 2,976,624.
Rosebrook, Roy, to Banstrom Industries, Inc. Valve and method for making the same. 2,984,259, 5–16–61, Cl. 137—622.
Rosebrook, Roy, to Banstrom Industries, Inc. Tracer mechanisms. 3,006,595, 10–31–61, Cl. 251—3.
Rosebush, Waldo E. Firearm with rotary magazine and pivoting rear barrel section. 2,997,924, 8–29–61, Cl. 89—155.
Rosecrans Development Co.: *See*—
Sapp, Maxwell. 2,984,944.
Roseman, Michael. Actuation means for signalling devices. 3,012,538, 12–12–61, Cl. 116—169.
Roseman, Milton, to Lok-Tite Industries, Inc. Frame. 2,970,397, 2–7–61, Cl. 40—156.
Roseman, Milton, to Lok-Tite Industries, Inc. Frame structure. 2,985,977, 5–30–61, Cl. 40—156.
Roseman, Morton A. Fastener tape and method of making it. 2,997,720, 8–29–61, Cl. 2—265.

Roseman, Morton F.: *See*—
Johnson, Richard L., and Roseman. 3,005,621.
Roseman, Reuben: *See*—
Allan, Benjamin W., Rummery, Chrest, and Roseman. 3,008,845.
Rummery, Frank O., Roseman, Appel, and Hamshey. 2,971,821.
Rosemount Engineering Co.: *See*—
Werner, Frank D. 2,970,475.
Rosen, Charles A., to General Electric Co. Electromechanical transducer. 2,974,296, 3-7-61, Cl. 333—72.
Rosen, Charles A., to General Electric Co. Electrical conversion apparatus. 2,975,354, 3-14-61, Cl. 321—8.
Rosen, Earl: *See*—
Mesnard, Howard W., Rosen, and Scott. 2,986,475.
Rosen, Edgar R., to General Electric Co. Shutter for pinhole detectors. 2,979,984, 4-18-61, Cl. 88—14.
Rosen, George, to United Aircraft Corp. Variable camber blading. 2,982,361, 5-2-61, Cl. 170—135.24.
Rosen, Harold A., to Raytheon Co. Feed-through nulling and duplexer systems. 3,007,157, 10-31-61, Cl. 343—8.
Rosen, Harry. Golf sling seat. 2,982,455, 5-2-61, Cl. 224—5.
Rosen, Inge, and S. G. Schullstrom, to Svenska Aeroplan Aktiebolaget. Apparatus for pumping fuel at varying rates. 2,970,641, 2-7-61, Cl. 158—36.4.
Rosen, Irving: *See*—
Hirsch, Alfred, Rosen, and Di Sanza. 3,010,973.
Rosen, Irving, to Diamond Alkali Co. Derivatives of pentachlorophenol. 2,993,934, 7-25-61, Cl. 260—612.
Rosen, Irving, to Diamond Alkali Co. 2,3 bis (2-alkynyloxy)-dioxanes. 2,994,706, 8-1-61, Cl. 260—340.6.
Rosen, Irving, to Diamond Alkali Co. Method of destroying fungi and nematodes and employing 2,2'-(p-xylene)-bis-[2-thiopseudourea] dihydrochloride. 2,999,046, 9-5-61, Cl. 167—30.
Rosen, Leonard J.: *See*—
Davies, Richard E., and Rosen. 3,011,994.
Rosen, Louis W. Badges and pin-attaching means therefor. 3,005,276, 10-24-61, Cl. 40—1.5.
Rosen, Samuel. Garment protective bags. 3,007,567, 11-7-61, Cl. 206—7.
Rosen, Shy, and W. S. Thompson, to Milprint, Inc. Food package. 2,992,117, 7-11-61, Cl. 99—171.
Rosen, Shy, and H. Rosenfeld, to Milprint, Inc. Composite container. 2,998,183, 8-29-61, Cl. 229—66.
Rosen, Sidney. Variable pressure suck-back device for a pump. 2,978,149, 4-4-61, Cl. 222—318.
Rosen, Sidney. Piston pump with cam coupling and crank assembly. 2,978,283, 4-4-61, Cl. 309—2.
Rosen, Stanley: *See*—
Swick, Joseph S., and Rosen. 2,980,013.
Rosenbaum, Kurt, to Alweg-Forschung G.m.b.H. Switch combinations for monobeam type railways. 2,977,893, 4-4-61, Cl. 104—130.
Rosenbaum, Kurt, to Alweg-Forschung G.m.b.H. Vehicles. 2,987,013, 6-6-61, Cl. 105—145.
Rosenbaum, Kurt, G. Schutze, and E. Leyendecker, to Alweg-Forschung G.m.b.H. Monobeam switches. 2,997,004, 8-22-61, Cl. 104—130.
Rosenberg, Adolf. Stabilization of fat-soluble vitamin. 2,973,266, 2-28-61, Cl. 99—2.
Rosenberg, Adolf, to Commercial Solvents Corp. Method of manufacturing high melting digestible fat components of feeds. 3,011,892, 12-5-61, Cl. 99—2.
Rosenberg, Andrew M., J. R. Conway, and H. E. Schullen, to The Bendix Corp. Low resistance electrolytic tilt device. 2,977,559, 3-28-61, Cl. 338—44.
Rosenberg, Barnett: *See*—
Kallmann, Hartmut P., and Rosenberg. 2,972,082.
Kallmann, Hartmut P., and Rosenberg. 3,005,707.
Rosenberg, Barnett, to Westinghouse Electric Corp. Discharge device. 2,972,693, 2-21-61, Cl. 313—107.
Rosenberg, Charles S. Display lighting fixtures. 2,982,848, 5-2-61, Cl. 240—10.1.
Rosenberg, David S.: *See*—
Maude, Aylmer H., Bhagwat, Lisman, and Rosenberg. 3,006,833.
Rosenberg, Edward: *See*—
Takvorian, Aram, and Rosenberg. 3,001,663.
Rosenberg, Ernst T.: *See*—
Fernö, Ove B., Fex, Linderot, Rosenberg, and Högberg. 3,008,951.
Rosenberg, George E., to The Air Preheater Corp. Element arrangement for a regenerative heat exchanger. 2,983,486, 5-9-61, Cl. 257—265.
Rosenberg, Harold: *See*—
Schaaf, Robert L., Lenk, and Rosenberg. 3,010,982.
Rosenberg, Harold J.: *See*—
Rabinow, Jacob, Rosenberg, and Macdonald. 2,988,355.
Rosenberg, Harvey, and R. L. Fussell, to Burroughs Corp. Signal mixer. 2,971,099, 2-7-61, Cl. 307—88.5.
Rosenberg, Herbert O. Adjustable frames. 3,009,275, 11-21-61, Cl. 40—152.1.
Rosenberg, Jack, to General Dynamics Corp. Automatic tracer-playback system for machine tools. 2,996,348, 8-15-61, Cl. 346—33.
Rosenberg, Jack, R. E. McCoy, T. J. Scuitto, and R. A. Burt, to General Dynamics Corp. Accumulator. 2,998,190, 8-29-61, Cl. 235—151.
Rosenberg, Jerome D.: *See*—
Helbig, Jim D., and Warner. 2,967,315.
Rosenberg, Joseph, to General Electric Co. Electrical device and dielectric material therefor. 2,995,688, 8-8-61, Cl. 317—258.
Rosenberg, Ludwig M.: *See*—
Snyder, Herman B., and Rosenberg. 2,981,610.
Rosenberg, Mortimer L., C. R. Everett, and J. B. Hutto, to Neches Butane Products Co. Destruction of acetylenes in a hydrocarbon mixture containing acetylenes and butadiene. 2,969,407, 1-24-61, Cl. 260—681.5.
Rosenberg, Richard: *See*—
Hannaford, Bruce A., Rosenberg, Segaser, and Terry. 2,968,183.
Rosenberg, Sheldon, to International Cigar Machinery Co., Inc. Tobacco composition. 3,000,765, 9-19-61, Cl. 131—17.
Rosenberg, Sheldon, and O. K. Schmidt, to International Cigar Machinery Co., Inc. Smoking product. 2,977,254, 3-28-61, Cl. 131—17.
Rosenberg, Sheldon, and D. Bandel, to American Machine & Foundry Co. Polysaccharide composition and method of manufacture. 2,988,455, 6-13-61, Cl. 106—169.
Rosenberg, Simon, and A. S. Faciana. Drapery rod. 3,013,603, 12-19-61, Cl. 160—342.
Rosenberg, Walter, and L. F. Shabram. Method of forming edge-united laminar articles and apparatus therefor. 3,007,835, 11-7-61, Cl. 156—251.
Rosenberger, Albert J., to Republic Flow Meters Co. Oscillating fluid motor. 2,984,220, 5-16-61, Cl. 121—97.
Rosenberger, Albert J., to Republic Flow Meter Co. Square rooting mechanism. 2,989,868, 6-27-61, Cl. 73—407.
Rosenberger, Jakob, and O. Jakob, to E. Borbe. Tightening and cutting device for hooping objects. 2,967,550, 1-10-61, Cl. 140—93.
Rosenblad, Curt F. Multiple effect evaporators. 3,004,590, 10-17-61, Cl. 159—13.
Rosenblatt, Alex: *See*—
Rosenblatt, Leonard and A., Silvers, and Vossbrink. 2,981,829.
Rosenblatt, Isidor, to Globe Lighting Products, Inc. Electric light fixture. 2,979,604, 4-11-61, Cl. 240—78.
Rosenblatt, Leonard and A., J. J. Silvers, and C. Vossbrink, to Globe Illumination Co. Recessed fluorescent troffer. 2,981,829, 4-25-61, Cl. 240—51.11.
Rosenblatt, Maurice C. Luminous acoustical ceiling. 2,978,571, 4-4-61, Cl. 240—9.
Rosenblatt, Maurice C. Light diffuser for fluorescent lighting fixtures. 2,993,115, 7-18-61, Cl. 240—51.11.
Rosenblatt, Murray, to General Electric Co. Stabilizing circuit for dynamoelectric machines. 2,981,882, 4-25-61, Cl. 322—24.
Rosenbloom, Irving, to Renwal Toy Corp. Transparent anatomical model. 2,988,823, 6-20-61, Cl. 35—17.
Rosenbloom, Louis. Stereoscopic visualizers. 2,974,562, 3-14-61, Cl. 88—16.6.
Rosenbloom, Louis. Stereoscopic visualizers. 2,996,950, 8-22-61, Cl. 88—16.6.
Rosenblum, Harold. Telephone sterilizers. 3,001,033, 9-19-61, Cl. 179—185.
Rosenblum, Philip, to Hycon Mfg. Co. Film transport mechanism. 3,007,368, 11-7-61, Cl. 88—18.
Rosenbrock, Earl H.: *See*—
Doedens, James D., and Rosenbrock. 3,004,072.
Hennis, Henry E., and Rosenbrock. 2,993,055.
Rosenbrock, Earl H., and J. D. Doedens, to The Dow Chemical Co. Poly-(aromatic ether) compositions and method of making same. 3,000,839, 9-19-61, Cl. 260—2.5.
Rosene, Robert B.: *See*—
Eberhard, John F., and Rosene. 3,003,899.
Rosener, Willard C.: *See*—
Hanmer, Robert W., and Rosener. 2,997,360.
Rosenfeld, Harry: *See*—
Rosen, Shy, and Rosenfeld. 2,998,183.
Rosenfeld, Joseph. Foldable closures. 2,986,210, 5-30-61, Cl. 160—84.
Rosenfeld, Ludwig: *See*—
Jackson, Harold E., and Rosenfeld. 3,013,667.
Rosenfeld, Milton G. Apparel garments. 3,010,112, 11-28-61, Cl. 2—97.
Rosenfeld, Morton M.: *See*—
Rudinger, Fred. 2,977,723.
Rosenfeld, Morton M. Public bombshelter. 2,967,494, 1-10-61, Cl. 109—1.
Rosenfeld, Morton M. Luminescent ash tray and coaster. 2,987,619, 6-6-61, Cl. 250—71.
Rosenfeld, Myer: *See*—
Pickett, Charles F., and Rosenfeld. 2,990,303.
Rosenfeld, Seymour: *See*—
Bertram, Joseph J., and Rosenfeld. 3,002,175.
Rosenfield, William B.: *See*—
Bodlan, Marcus, and Rosenfield. 2,990,470.
Rosenfield, William B., to Sunbeam Lighting Co. Fluorescent ceiling light fixture assembly. 2,988,633, 6-13-61, Cl. 240—9.
Rosenfield, William B., to Sunbeam Lighting Co. Long single-line fluorescent light fixture. 3,012,132, 12-5-61, Cl. 240—9.
Rosengren, Gosta B.: *See*—
Günther, Gunnar G. J., and Rosengren. 2,982,668.
Rosenkrands, Johannes, to General Motors Corp. Independent front wheel suspension. 2,978,255, 4-4-61, Cl. 280—112.
Rosenkrands, Johannes, to General Motors Corp. Swing axle rear suspension. 2,981,353, 4-25-61, Cl. 180—73.
Rosenkrands, Johannes, to General Motors Corp. Swing axle rear suspension. 2,989,321, 6-20-61, Cl. 280—124.
Rosenkrands, Johannes W.: *See*—
Polhemus, Von D., and Rosenkrands. 3,006,429.

Rosenkranz, George: *See*—
Djerassi, Carl, Lemin, Rosenkranz, and Sondheimer. 2,977,358.
Djerassi, Carl, and Rosenkranz. 2,968,654.
Djerassi, Carl, and Rosenkranz. 2,979,516.
Djerassi, Carl, Rosenkranz, Kaufmann, Pataki, and Romo. 2,991,294.
Ringold, Howard J., Batres, and Rosenkranz. 2,990,414.
Ringold, Howard J., Bowers, and Rosenkranz. 3,014,932.
Ringold, Howard J., and Rosenkranz. 2,976,302.
Ringold, Howard J., and Rosenkranz. 2,998,434.
Ringold, Howard J., Sondheimer, and Rosenkranz. 2,968,656.
Sondheimer, Franz, Romo, Rosenkranz, and Djerassi. 3,014,031.
Zaffaroni, Alejandro, and Rosenkranz. 2,973,374.

Rosenkranz, George, and C. Djerassi, to Syntex S. A. Allopregnan-3β,11α-diol derivatives and process. 2,973,378, 2-28-61, Cl. 260—397.45.

Rosenkranz, Jules, to Lafayette Brass Mfg. Co., Inc. Self-propelled water sprinkler. 2,985,380, 5-23-61, Cl. 239—183.

Rosenkranz, Jules, to Lafayette Brass Mfg. Co., Inc. Spray gun. 3,006,560, 10-31-61, Cl. 239—456.

Rosenkranz, Jules J., to Lafayette Brass Mfg. Co., Inc. Spray nozzle. 2,991,942, 7-11-61, Cl. 239—262.

Rosenkranz, Jules J., to Lafayette Brass Mfg. Co., Inc. Gun type sprayer. 2,991,945, 7-11-61, Cl. 239—459.

Rosenlind, Kjell, to Kimberly-Clark Corp. Method of water and flame proofing of cellulose fabric after dyeing. 2,991,143, 7-4-61, Cl. 8—18.

Rosenstein, Juda L. Supplemental cutting attachment for electric razors. 2,987,818, 6-13-61, Cl. 30—90.

Rosenstock, Henry M., to William H. Johnston Laboratories, Inc. Method and apparatus for ionization investigation. 2,999,157, 9-5-61, Cl. 250—41.9.

Rosenstrach, Hyman. Flashlight electric utility testers. 3,007,110, 10-31-61, Cl. 324—53.

Rosenthal, Adolph H., to Fairchild Camera and Instrument Corp. Neutron detection and measuring devices. 2,991,363, 7-4-61, Cl. 250—83.1.

Rosenthal, Adolph H., to Servo Corp. of America. Spectrometer. 3,011,386, 12-5-61, Cl. 88—14.

Rosenthal, Adolph H., to Servo Corp. of America. Spectrum analyzer. 3,012,467, 12-12-61, Cl. 88—14.

Rosenthal, Felix, W. C. Roberts, and R. F. Krejci, to Clevite Corp. Automatic wiring machine. 2,969,827, 1-31-61, Cl. 153—20.

Rosenthal, Harry. Heat sealing apparatus. 3,005,898, 10-24-61, Cl. 154—42.

Rosenthal, Joseph. Door latch arrangement. 2,976,582, 3-28-61, Cl. 20—16.

Rosenthal, Louis A., to Union Carbide Corp. Spiral time base recorder. 3,008,791, 11-14-61, Cl. 346—30.

Rosenthal, Murray W., and H. A. Cohen, to Block Drug Co., Inc. Denture fixatives. 2,978,812, 4-11-61, Cl. 32—2.

Rosenthal, Rudolph: *See*—
Farkas, Adalbert, and Rosenthal. 2,994,719.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking devices. 2,999,266, 9-12-61, Cl. 15—566.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking devices. 3,000,355, 9-19-61, Cl. 120—42.4.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking device with snap-on head assembly. 3,003,181, 10-10-61, Cl. 15—563.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Fountain pens. 3,003,182, 10-10-61, Cl. 15—563.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking devices. 3,003,183, 10-10-61, Cl. 15—566.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking devices. 3,003,184, 10-10-61, Cl. 15—581.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Marking fluid container. 3,003,461, 10-10-61, Cl. 118—266.

Rosenthal, Sidney N., to Speedry Chemical Products, Inc. Line markers. 3,003,468, 10-10-61, Cl. 120—42.2.

Rosenthal, Walter, and J. S. Davis. Low toxicity tobacco. 2,985,549, 5-23-61, Cl. 131—17.

Rosenwald, Robert H.: *See*—
Cyba, Henry A., and Rosenwald. 3,011,976.

Roser, C. F., G.m.b.H.: *See*—
Batzer, Hans. 3,004,003.

Rosett, Bernard, to Servo Corp. of America. Bi-directional hot box detector. 2,999,151, 9-5-61, Cl. 246—169.

Roshon, Arthur H., Jr., and R. L. Waldle, to United States of America, Navy. Frequency-modulated echo ranging equipment. 2,977,568, 3-28-61, Cl. 340—3.

Rosi, Fred D., and R. Braunstein, to Radio Corp. of America. Semiconductive materials for infrared transmissive components. 2,977,477, 3-28-61, Cl. 250—83.

Rosier, Raymond, and J.-M. Baluteau, to Societe d'Optique et de Mecanique de Haute Precision. Optical range-finder. 2,969,706, 1-31-61, Cl. 88—2.4.

Rosin, Arthur, to Forbro Design Inc. Power supply having an extended regulation range. 2,992,379, 7-11-61, Cl. 321—18.

Rosin, Arthur, to Forbro Design Inc. Power supply with adjustable stabilized output voltage. 2,992,386, 7-11-61, Cl. 323—57.

Rosin, Jacob, and O. G. Birsten, to Montrose Chemical Co. Preparation of trimethyl phosphite and triethyl phosphite. 2,970,166, 1-31-61, Cl. 260—461.

Rosinek, Isidore. Potential indicating device. 2,988,700, 6-13-61, Cl. 324—122.

Rosing, Theodore F.: *See*—
McNicol, Forrest C., and Rosing. 2,967,977.

Rosinski, Edward J.: *See*—
Cramer, Robert H., and Rosinski. 3,003,952.
Plank, Charles J., and Rosinski. 2,996,448.

Rosinski, Jan. Automatic isokinetic sampling device. 2,982,131, 5-2-61, Cl. 73—170.

Rosinski, John, to United States of America, Atomic Energy Commission. Removal of fission products from water. 3,013,978, 12-19-61, Cl. 252—301.1.

Roskamp, John K. Pelleting machine. 2,995,096, 8-8-61, Cl. 107—14.

Roskamp, John K. Stock feed grinding and mixing apparatus. 2,999,449, 9-12-61, Cl. 99—235.

Rosniansky, Georges, to Worthington Corp. Seal. 2,979,348, 4-11-61, Cl. 286—11.14.

Rosoff, Samuel. Hydro-therapy equipment. 3,001,208, 9-26-61, Cl. 4—182.

Rosolia, Louis, and P. De Mauro, to Globe Lighting Products, Inc. Means for mounting a diffuser in a lighting fixture. 3,004,148, 10-10-61, Cl. 240—147.

Ross, Albert, and S. M. Goffstein, to Standard Electrical Products Co. Method of aligning terminal leads. 2,993,262, 7-25-61, Cl. 29—155.5.

Ross, Albert A. Aerial protecting cab for firemen. 3,010,533, 11-28-61, Cl. 182—2.

Ross, Alexander, to Northern Electric Co., Ltd. Electrical cable terminating and supporting means. 2,985,708, 5-23-61, Cl. 174—19.

Ross, Bruce, to J. E. Plastics Mfg. Corp. Container. 2,974,825, 3-14-61, Cl. 220—60.

Ross, Cecil J., Jr., to Hyster Co. Drive system for lift truck. 2,968,967, 1-24-61, Cl. 74—472.

Ross, Charles W. Magnetic sweeper. 3,014,586, 12-26-61, Cl. 209—215.

Ross, Clarence E. and F. Q. Radial arm portable power saw guide. 2,987,083, 6-6-61, Cl. 143—6.

Ross, Dan C.: *See*—
Johnson, Ellsworth L., Rocco, and Ross. 2,968,791.

Ross, Dan C., to International Business Machines Corp. Automatic position-reporting system. 2,972,742, 2-21-61, Cl. 313—112.

Ross, Edward J.: *See*—
Elbreder, Charles H., and Ross. 2,967,131.

Ross Engineering of Canada, Ltd.: *See*—
Beliveau, Oscar, and Spurrell. 2,975,873.

Ross, Frances Q.: *See*—
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Ross, Frederick W. Gas turbine engine with combustion inside compressor. 3,005,311, 10-24-61, Cl. 60—39.35.

Ross Gear and Tool Co., Inc.: *See*—
Cassaday, Ernest W., and Dettlof. 2,974,491.
Cassaday, Ernest W., Hammond, and Shropshire. 2,995,012.
Thelen, Richard K. 2,969,775.

Ross, George W., to The United States Bedding Co. Spring insert for spring assemblies. 2,974,326, 3-14-61, Cl. 5—255.

Ross, Harold D., Jr.: *See*—
Haddad, Jerrier A., Richards, Rochester, and Ross. 2,974,866.

Ross, Ian M.: *See*—
Goldey, James M., and Ross. 2,993,154.

Ross, Ian M., to Bell Telephone Laboratories, Inc. Electroluminescent switching apparatus. 2,984,749, 5-16-61, Cl. 250—209.

Ross, Irene F., and G. A. Lamb. Adjustable outdoor cooking grill. 3,003,494, 10-10-61, Cl. 126—9.

Ross, James, to The Astatic Corp. Static electricity eliminator and conditioner for phonograph record discs. 2,991,331, 7-4-61, Cl. 179—100.41.

Ross, James A., to Ling-Temco-Vought, Inc. Automatic power factor corrector. 3,010,064, 11-21-61, Cl. 323—102.

Ross, James A., and F. R. Barlett, to Ling-Temco-Vought, Inc. Multiple limiter-clipper amplifiers. 3,010,099, 11-21-61, Cl. 340—248.

Ross, James F., B. R. Tegge, and L. C. Kenyon, Jr., to Esso Research and Engineering Co. Process for the purification of 2,4-diketone chelating agent-contaminated polymerization hydrocarbon diluents. 2,980,742, 4-18-61, Cl. 260—674.

Ross, James F., and R. H. Hudson, Jr., to Esso Research and Engineering Co. Fluid distributor for packed columns. 3,006,623, 10-31-61, Cl. 261—110.

Ross, John. Crystallizing centrifuge. 2,972,524, 2-21-61, Cl. 23—273.

Ross, John, to Midwest Supply and Mfg. Co. Automatic timing and indexing mechanism for wheel wear adjustment. 2,986,854, 6-6-61, Cl. 51—165.

Ross, Joseph I., to Specialty Engineering & Electronics Co. Quick-coupling hermaphroditic connectors. 2,987,691, 6-6-61, Cl. 339—49

Ross, Karl F. Catoptric system. 2,970,518, 2-7-61, Cl. 88—57.

Ross, Karl F. Electronic signal-delay device. 2,998,543, 8-29-61, Cl. 315—27.

Ross, Milburn M. Well pump means. 3,006,201, 10-31-61, Cl. 74—41.

Ross, Milton E., and R. I. Moore, to Aerol Co., Inc. Swivel lock and wheel brake. 2,972,163, 2-21-61, Cl. 16—35.

Ross, Nicholas V., and V. R. Pieron, to Ajax Magnethermic Corp. Method and apparatus for induction heating of billets and for determining average temperature thereof. 2,988,623, 6-13-61, Cl. 219—10.41.

Ross Operating Valve Co.: *See*—
Brinkel, Edwin P. 2,997,066.
Brinkel, Edwin P., and Abbott. 3,011,519.
Ross, Oren E., and W. W. Grinnell, to The Dow Chemical Co. Method of molding plastic articles from two or more plastic materials. 2,996,764, 8–22–61, Cl. 18—59.
Ross, Orval A. Quick release mechanism. 2,970,796, 2–7–61, Cl. 244—151.
Ross, Robert H. Molded base unit for furniture. 2,980,168, 4–18–61, Cl. 155—181.
Ross, Robert S., to Goodyear Aircraft Corp. Inflatable wing with variable camber. 2,979,287, 4–11–61, Cl. 244—44.
Ross, Roger, to The Singer Mfg. Co. Sewing machine lubrication. 3,011,592, 12–5–61, Cl. 184—6.
Ross, Sherwood B. Wheel hub for disc type coaster brakes. 2,997,145, 8–22–61, Cl. 192—6.
Ross, Sidney D., to Sprague Electric Co. Saturation of capacitor impregnant. 3,014,265, 12–26–61, Cl. 29—25.41.
Ross, Thaddeus C.: *See*—
Parkhill, Douglas F., Redpath, and Ross. 2,976,428.
Ross, Thomas N. Micromanipulator. 3,004,439, 10–17–61, Cl. 74—18.1.
Ross, Violet G. Clip-on Christmas tree rain ornament. 2,997,800, 8–29–61, Cl. 41—10.
Ross, Walter E., to Clark Equipment Co. Selective steering mechanism. 3,000,458, 9–19–61, Cl. 180—79.2.
Ross, Wayne M.: *See*—
Kliever, Waldo H., and Ross. 2,995,725.
Ross, Wayne M., to Minneapolis-Honeywell Regulator Co. System for propagating and receiving stepped frequency. 2,994,060, 7–25–61, Cl. 340—3.
Ross and White Co.: *See*—
Tytler, Reinold C., and Dombek. 2,983,937.
Rosseau, Leon B., to Ajax Electric Co. Electrode arrangement in a salt bath furnace. 2,972,651, 2–21–61, Cl. 13—23.
Rossell, William T., to Transit Research Corp. Rail truck. 2,976,819, 3–28–61, Cl. 105—138.
Rosselot, Walter J. Material moving device. 2,983,060, 5–9–61, Cl. 37—171.
Rosser, Charles M.: *See*—
Justice, John L., and Rosser. 2,999,782.
Reavis, Genevieve, and Rosser. 2,998,401.
Rossetti, Carlo. Process for the production of polymethacrylic acid esters. 2,987,500, 6–6–61, Cl. 260—45.5.
Rossger, Rudolf, to VEB Motorenwerk Cunewalde. Control and safety device for four-cycle internal combustion engines. 2,967,519, 1–10–61, Cl. 123—90.
Rossi, Alberto: *See*—
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 2,980,690.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 2,987,518.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 3,000,898.
Hoffmann, Karl, Hunger, Kebrle, and Rossi. 3,004,982.
Hunger, Alfred, Kebrle, Rossi, and Hoffmann. 3,004,978.
Rossi, Angelo J. Salt purification, reclamation and treatment plant. 3,000,497, 9–19–61, Cl. 209—17.
Rossi, Anthony T. Dispensing and display cabinet. 3,006,707, 10–31–61, Cl. 312—121.
Rossi, Giorgio: *See*—
Fusco, Raffaello, Losco, and Rossi. 3,013,940.
Rossi, Giovanni. Heat exchanger. 2,974,649, 3–14–61, Cl. 122—235.
Rossi, Irving, to Eltherma A.G. Spinnerette nozzles. 3,001,230, 9–26–61, Cl. 18—8.
Rossi, Joseph V., to Comfort Lines, Inc. Baby bouncer. 3,007,667, 11–7–61, Cl. 248—399.
Rossi, Peter. Apparatus for cooking farinaceous materials. 2,978,975, 4–11–61, Cl. 99—330.
Rossi, Sidney J. Amphibious conversion attachments for automobiles and like vehicles. 2,979,016, 4–11–61, Cl. 115—1.
Rossing, Thomas D., and A. B. Bergh, to Sperry Rand Corp. Magnetic switching. 3,004,243, 10–10–61, Cl. 340—174.
Rossiter, Wayne F. Sleeping bunk attachment for vehicles. 3,009,471, 11–21–61, Cl. 135—4.
Rossitto, Conrad: *See*—
Morris, Thomas C., MacDonald, Ropp, and Rossitto. 3,008,912.
Paulsen, Hans C., Roop, and Rossitto. 3,007,200.
Rossler, Donald F.: *See*—
Daniel, John H., Jr., and Rossler. 2,967,834.
Rossler Heinrich G. F.: *See*—
Müller, Hans O. O., Arndt, and Rossler. 2,995,001.
Rossman, Earl C., and R. C. Frank, to Allis-Chalmers Mfg. Co. Unsupported silicone rubber electrical insulation and method of preparing same. 2,975,088, 3–14–61, Cl. 154—2.26.
Rossmy, Gerd, to Th. Goldschmidt A.G. Process for preparing zirconium oxide. 2,980,507, 4–18–61, Cl. 23—140.
Rosso, Charles. Electric fuse. 2,988,619, 6–13–61, Cl. 200—130.
Rost, Anders E.: *See*—
Rost, Helge F., and Claesson. Re. 25,090.
Rost, Bjorn G. A.: *See*—
Rost, Helge F., and Claesson. Re. 25,090.
Rost, Helge F., deceased (by S. Handelsbanken, administrator), and P. H. E. Claesson, said Handelsbanken assor. to B. G. A., A. E. and N. H. E. Rost. System and means for determination of distance and direction. Re. 25,090. 11–21–61, Cl. 343—11.
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Rost, Helge F., and Claesson. Re. 25,090.
Rostoker, William, and R. F. Domagala, to Armour Research Foundation of Illinois Institute of Technology. Metal clad article. 2,985,955, 5–30–61, Cl. 29—471.1.
Roswell, Kenneth E., to Edwards Co. Inc. Solderless connector. 2,968,780, 1–17–61, Cl. 339—17.
Roszman, Jay: *See*—
Bitterman, Leo L., and Roszman. 2,974,996.
Rota Parking, Inc.: *See*—
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Rotary Disc File Corp. of America: *See*—
Harvell, Robert, and May. 2,994,942.
Rotary Hoes Ltd.: *See*—
Howard, John A. 2,967,579.
Rotary Oil Tool Co.: *See*—
Kammerer, Archer W., Jr., and Lamphere. 2,976,927.
Rote, Richard S., to Lukens Steel Co. Method for use in connection with the fabrication of plastic-clad steel. 2,991,549, 7–11–61, Cl. 29—471.1.
Roth, Adolf. Internal combustion engine with double acting pistons. 3,010,440, 11–28–61, Cl. 123—51.
Roth, Albert B., and J. R. Robertson. Centrifugal testing machine. 3,011,333, 12–5–61, Cl. 73—1.
Roth, Allen G., ½ to L. Matheson. Toy rocket. 3,002,752, 10–3–61, Cl. 272—18.
Roth, Anton. Parking and warehousing system. 2,994,445, 8–1–61, Cl. 214—16.1.
Roth, Artur, to Lanston Industries, Inc. Type casting machine. 3,011,626, 12–5–61, Cl. 199—77.
Roth, Barbara: *See*—
Hitchings, George H., and Roth. 2,977,361.
Roth, Bert W., and R. Frampton, to Trans-Lux Corp. Screen and frame assembly. 3,002,557, 10–3–61, Cl. 160—351.
Roth, Curt B.: *See*—
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Roth, Curt B., to General Aniline & Film Corp. Adhesive cement for plastics. 2,990,290, 6–27–61, Cl. 106—186.
Roth, Curt B., and F. W. H. Mueller, to General Aniline & Film Corp. Method of incorporating coupler with dimethyl formamide in hydrophilic colloids. 2,991,177, 7–4–61, Cl. 96—97.
Roth, David C., and K. H. Florenz. Brushes. 2,974,338, 3–14–61, Cl. 15—160.
Roth, Donald L., to Mechanisms Co. Hydraulic wheel. 3,008,424, 11–14–61, Cl. 103—121.
Roth, Dwight A. Poultry processing equipment. 3,009,194, 11–21–61, Cl. 17—11.
Roth, Ernst, to Gebrueder Buehler. Control device for roller mill. 2,984,423, 5–16–61, Cl. 241—37.
Roth, Etienne: *See*—
Perret, Jean, Wulthier, and Roth. 3,007,777.
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Minowitz, Wilbert, and Roth. 3,004,165.
Roth, Grant V. W.: *See*—
Roth, Grant V. W., and Guarnaschelli. 2,996,315.
Roth, Grant V. W., and S. Guarnaschelli, to G. V. W. Roth, trustee under The Naugatuck Trust. Protective conduit support. 2,996,315, 8–15–61, Cl. 285—2.
Roth, Harold: *See*—
Danziger, William, and Roth. 3,000,539.
Roth, Howard C. Detachable pontoon assembly for automobiles. 2,994,294, 8–1–61, Cl. 115—1.
Roth, Karl M., and F. K. Floden. Fowl defeathering apparatus. 2,972,167, 2–21–61, Cl. 17—11.1.
Roth, Oskar, to Inventor-Kreditanstalt. Device for the generation of artificial fog. 2,969,333, 1–24–61, Cl. 252—359.
Roth, Philip B., and D. T. Wallwork, to American Cyanamid Co. Process for treating nylon textile materials. 2,997,773, 8–29–61, Cl. 28—76.
Roth, William D.: *See*—
Lieberman, Dolores, and Roth. 2,981,564.
Rothberg, Sidney. Restraining device for small animals. 2,987,042, 6–6–61, Cl. 119—103.
Rothenberg, Arthur J.: *See*—
Horner, John W., and Rothenberg. 2,981,059.
Rotherham, Herbert G.: *See*—
Jefts, Albert W., and Rotherham. 2,986,547.
Rothermel, Daphne L.: *See*—
Allen, Richard E., and Rothermel. 2,989,384.
Rothermel, Edward M., and R. B. Waddell, Jr., to Dayco Corp. Flexible conduit. 3,006,381, 10–31–61, Cl. 138—122.
Rothgery, Harold F., to Mohawk Sporting Equipment Co. Arrow support. 2,980,097, 4–18–61, Cl. 124—41.
Rothman, David. Scoring indicator. 2,993,288, 7–25–61, Cl. 40—70.
Rothman, David. Scoring indicator. 3,006,315, 10–31–61, Cl. 116—133.
Rothman, Edward S., and M. E. Wall, to United States of America, Agriculture. Preparation of 11α-hydroxy progesterone. 2,971,964, 2–14–61, Cl. 260—397.45.
Rothman, Edward S., and M. E. Wall, to United States of America, Agriculture. Intermediates in the conversion of 11-ketodiosgenin to cortisone. 2,998,436, 8–29–61, Cl. 260—397.45.
Rothman, Martin, and I. Bernstein. Piano attachment. 2,975,665, 3–21–61, Cl. 84—224.
Rothman, Robert A.: *See*—
Valois, Louis J., and Rothman. 2,994,482.
Rothrock, Clarence L., ½ to Cloverdale Plywood Co. Apparatus and method for the jogging and jointing of veneer. 3,000,410, 9–19–61, Cl. 144—117.
Rothschild, David E. Method of preparing an animal feed of high fat content. 3,004,852, 10–17–61, Cl. 99—7.

Rothwell, Henry F.: *See*—
Burgess, Paul D., and Rothwell. 2,969,925.
Rothwell, Philip M.: *See*—
Drinkard, William E., and Rothwell. 2,989,956.
Rotman, Walter. Sandwich wire antennas. 3,005,201, 10–17–61, Cl. 343—772.
Rotman, Walter. Trough waveguide slow wave antennas and transmission lines. 3,013,267, 12–12–61, Cl. 343—772.
Rotman, Walter. Trough waveguide antennas. 3,015,100, 12–26–61, Cl. 343—772.
Rotol Ltd.: *See*—
Cameron-Johnson, Alan. 2,982,499.
Cameron-Johnson, Alan. 2,999,463.
Chilman, John A. 2,995,190.
Chilman, John A., Mapp, Masterman, and Cripps. 2,972,087.
Jackson, Alfred D. 2,994,385.
Langdon, Kenneth T. P. 2,967,033.
Moss, Norman S., Orloff, and Scott. 3,010,682.
Orloff, George. 2,982,137.
Utting, Reginald. 3,006,628.
Rotomark Mfg. Corp.: *See*—
Schlegel, William M., and Waraksa. 2,996,001.
Rotork Engineering Co. Ltd.: *See*—
Fry, Jeremy J. 2,988,172.
Roto-Werke A.G.: *See*—
Rilinger, Alfons, and Wehmeyer. 2,978,144.
Roto Wrap Machine Co.: *See*—
McClosky, Robert B. 3,010,265.
McCloskey, Robert B., and Kraus. 3,011,678.
Thompson, William, Jr. 2,982,066.
Rotron Mfg. Co., Inc.: *See*—
Van Riin Jacobus C. 2,990,105
Rottcher, Wilhelm. Apparatus working on the inertia principle for measuring and recording acceleration and retardation, especially of powered vehicles. 2,996,919, 8–22–61, Cl. 73—492.
Rotter, Lutwin C., to The McNeil Machine & Engineering Co. Lubricant injector. 3,013,633, 12–19–61, Cl. 184—7.
Rouaux, Marcel E. Rotary ore-reducing kiln. 3,011,772, 12–5–61, Cl. 266—24.
Roubal, Alexander J., to Allis-Chalmers Mfg. Co. Flexible coupling. 3,011,324, 12–5–61, Cl. 64—12.
Rouby, Charles, to Societe Moderne de Fabrications Mecaniques. Means for electrically firing fire-arms. 2,978,827, 4–11–61, Cl. 42—84.
Rouby, Charles, to Societe Moderne de Fabrications Mecaniques. Automatic safety mechanism for electrically controlled fire arms. 2,993,291, 7–25–61, Cl. 42—84.
Roudebush, Melvin T.: *See*—
Simmerman, Richard C., Roudebush, and Moyer. 3,001,694.
Rouge, Pierre: *See*—
Lemesle, Georges, and Rouge. 3,011,961.
Rough, Robert R.: *See*—
Hamilton, Joseph C., and Rough. 2,982,522.
Rough, Robert R., to Owens-Illinois Glass Co. Method of producing color-controlled vitreous materials. 2,979,865, 4–18–61, Cl. 49—77.
Roumeliotis, Panagiotis. Disposable dish and releasable holder therefor. 3,008,678, 11–14–61, Cl. 248—145.3.
Rounds, Leslie J. Oar stabilizer. 2,995,763, 8–15–61, Cl. 9—26.
Rounsefell, Clifford P.: *See*—
Williams, Leo C., and Rounsefell. 2,987,099.
Rouse, Charles F., Jr., N. J. Powell, and J. B. Hartman, to Interstate Bakeries Corp. Vibrating applicator for particled material. 3,012,697, 12–12–61, Cl. 222—181.
Rouse, Geraldine J.: *See*—
Cook, John and R. F., and Rouse. 2,987,347.
Rouse, William D. Tandem dumping-platform truck. 3,001,825, 9–26–61, Cl. 298—8.
Rouse, William H., to Cutler-Hammer, Inc. Multi-position electrical control. 2,976,468, 3–21–61, Cl. 318—138.
Rouse, William H., to Cutler-Hammer, Inc. Control system for printing press. 2,978,979, 4–11–61, Cl. 101—219.
Rouse, William H., to Cutler-Hammer, Inc. Control systems for motor driven machines of multi-unit types. 2,979,646, 4–11–61, Cl. 318—5.
Rousek, Ernest J., to Genetic Giant AG.-Products Co. Planting of seeds. 2,975,936, 3–21–61, Cl. 221—265.
Rousselet, Joseph A. N. Automatic brake for rotary apparatus having a large inertia. 2,995,228, 8–8–61, Cl. 192—16.
Rousset, Rene P., to Sparklets Ltd. Fluid dispensing means. 2,973,123, 2–28–61, Cl. 222—394.
Roussin, René R., to Societe de Prospection Electrique, Procedes Schlumberger. Bore hole inclinometer apparatus. 2,992,492, 7–18–61, Cl. 33—205.
Rouvalis, George, to Hagan Chemicals & Controls, Inc. Pneumatic positioning controller. 3,003,475, 10–10–61, Cl. 121—41.
Rouverol, William S. Variable speed transmission. 2,979,970, 4–18–61, Cl. 74—79.6.
Rouviere, Roger F.: *See*—
Tiraspolsky, Wladimir, Rouviere, and Chare. 2,983,481.
Roux, Arthur L., and A. W. Zub, to ACF Industries, Inc. Throttle-operated inside carburetor vents. 2,977,102, 3–28–61, Cl. 261—42.
Roux, Jean-Pierre T.: *See*—
Teste, Yvan R. M., and Roux. 2,977,005.
Roux, Maurice. Methods of preparation of proteolysate products. 3,010,874, 11–28–61, Cl. 167—74.
Rouy, Auguste L. M. A., to Daystrom, Inc. Polarimetric apparatus. 2,986,066, 5–30–61, Cl. 88—14.
Rouy, Auguste L. M. A., to Daystrom, Inc. Apparatus for measuring minute angular deflections. 2,993,404, 7–25–61, Cl. 88—14.
Rouy, Auguste L. M. A., to Daystrom, Inc. Apparatus and method for polarimetric analysis. 3,001,439, 9–26–61, Cl. 88—14.
Rouy, Auguste L. M. A. Heating and drying apparatus and method. 3,007,256, 11–7–61, Cl. 34—237.
Rouy, Auguste L. M. A., C. H. Peterson, and G. B. Glasscock, to Lord Mfg. Co. Method and apparatus for producing and enhancing chemical reaction in flowable reactant material. 3,003,939, 10–10–61, Cl. 204—164.
Rouzier, Michel M.: *See*—
Lucas, Pierre M., and Rouzier. 3,004,109.
Rovell, Alfred, and J. F. Kardos. Protective spray shield apparatus. 2,970,321, 2–7–61, Cl. 4—187.
Rowan, Clyde F., to Stubnitz Greene Corp. Spring structure for vehicles. 2,973,805, 3–7–61, Cl. 155—179.
Rowan Controller Co., Inc.: *See*—
Wilkinson, Weldon C. 3,003,083.
Rowan Controller Co., The: *See*—
Smith, John J. 2,993,966.
Wilkinson, Weldon C. 3,003,084.
Rowan, John G., to Elder Mfg. Co. Waistbands for nethergarments. 2,999,246, 9–12–61, Cl. 2—221.
Rowan, Preston D.: *See*—
Bullock, John W., and Rowan. 2,986,620.
Rowan, William J., to Minneapolis-Honeywell Regulator Co. Transmitting apparatus. 2,995,041, 8–8–61, Cl. 74—18.
Rowand, Will H.: *See*—
Fink, Leroy M., Kispert, Raynor, and Rowand. 3,003,480.
Rowand, Will H., and D. C. Braddy, to The Babcock & Wilcox Co. Binary fluid power plant and method of operating the same. 2,982,266, 5–2–61, Cl. 122—478.
Rowbottom, Jack: *See*—
Baker, Melvin C., Bissot, and Rowbottom. 2,980,630.
Rowbottom, Jack, to E. I. du Pont de Nemours and Co. Catalyst for acrylonitrile synthesis. 2,999,072, 9–5–61, Cl. 252—429.
Rowe, Arthur G., Jr., to E. I. du Pont de Nemours and Co. Process for vacuum thermoforming. 2,990,581, 7–4–61, Cl. 18—56.
Rowe, Carl B. Wing-shot training device. 2,995,834, 8–15–61, Cl. 35—25.
Rowe, Donald C., to Boeing Airplane Co. Method of brazing and heat treating honeycomb sandwich structures. 3,011,926, 12–5–61, Cl. 148—13.
Rowe, Fred, Jr.,: *See*—
King, William R., and Rowe. 2,973,863.
Rowe, George E., to Emhart Mfg. Co. Glassware forming machine. 2,994,986, 8–8–61, Cl. 49—9.
Rowe, George E., to Emhart Mfg. Co. Glass blow mold mechanism for glassware forming machines. 3,006,112, 10–31–61, Cl. 49—41.
Rowe, George E., to Emhart Mfg. Co. Apparatus for testing glass containers. 3,010,310, 11–28–61, Cl. 73—45.
Rowe, Henry H. G., and U. M. Geissler. Fluid buffer installations and metering therefor. 3,014,557, 12–26–61, Cl. 188—100.
Rowe, Horace N.: *See*—
De Armond, Harry, and Meeker. 2,986,953.
Rowe, Leonard R.: *See*—
Caldwell, Dennis, and Rowe. 2,997,476.
Rowe, Louis F., M. L. Smith, and O. W. Dillon, to American Optical Co. Dichroic mirror assembly. 2,973,683, 3–7–61, Cl. 88—1.
Rowe Line Corp.: *See*—
Manchester, Rowe G. 3,004,883.
Rowe Mfg. Co., Inc.: *See*—
Baker, Halsted W., Jr. 2,996,163.
Gabrielsen, Christian. 2,972,400.
Gabrielsen, Christian. 2,975,880.
Gabrielsen, Christian, and Ericson. 2,996,217.
Tandler, William S., Walker, and Grossman. 3,001,669.
Rowe, Percy J. Copper compositions and method for making the same. 3,003,913, 10–10–61, Cl. 167—16.
Rowe, Raymond N., to General Electric Co. Cooling device for alternating current equipment. 2,970,746, 2–7–61, Cl. 230—117.
Rowe, Raymond N. Dynamoelectric device. 2,974,234, 3–7–61, Cl. 290—31.
Rowe, Raymond N., to General Electric Co. Busway connector. 3,004,096, 10–10–61, Cl. 174—88.
Rowe, Robert, to Societe de l'Accumulateur Fulmen. Electric accumulator. 3,002,042, 9–26–61, Cl. 136—181.
Rowe, Walter C., to The Firestone Tire & Rubber Co. Stain resistant white sidewall tire. 2,979,099, 4–11–61, Cl. 152—330.
Rowe, Walter C., and R. R. Sawdey, to The Firestone Tire & Rubber Co. Laminated article. 2,996,095, 8–15–61, Cl. 152—330.
Rowe, Walter C., and R. R. Sawdey, to The Firestone Tire & Rubber Co. Laminated article. 2,996,420, 8–15–61, Cl. 154—139.
Rowe, William D., to Westinghouse Electric Corp. Bistable trigger circuit utilizing transistors. 2,989,663, 6–20–61, Cl. 315—207.
Rowe, William W.: *See*—
Thomas, Edwin F., Rowe, and Wagner. 3,000,677.

Rowe, William W., to Cincinnati Industries Inc. Process and apparatus for treating webs with residual films. 2,998,841, 9–5–61, Cl. 154—30.
Rowedder, Gustav, to Metallgesellschaft Aktiengesellschaft. Process for the production of concentrated sulfuric acid and oleum from hydrogen sulfide containing gases. 3,008,804, 11–14–61, Cl. 23—168.
Rowekamp, Richard J. System for converting solar energy into mechanical energy. 2,969,637, 1–31–61, Cl. 60—26.
Rowell, Douglas C., to The Anaconda American Brass Co. Apparatus for casting copper cakes. 2,993,248, 7–25–61, Cl. 22—61.
Rowell, Ralph M.: *See*—
Rich, Harold, and Rowell. 2,996,672.
Rowell, Ross F. Brassiere wire frame. 2,973,763, 3–7–61, Cl. 128—476.
Rowell, William G., to Scully Signal Co. Closure cap for conduits. 2,973,880, 3–7–61, Cl. 220—39.
Rowland, Ben W., to Georgia Kaolin Co. Clay products and fractionation treatment of heterogeneous aggregates such as clay. 2,981,630, 4–25–61, Cl. 106—288.
Rowland, Ben W., to Georgia Kaolin Co. Clay products and methods of producing them. 2,992,936, 7–18–61, Cl. 106—288.
Rowland, Ben W., to Georgia Kaolin Co. Clay processing. 2,994,616, 8–1–61, Cl. 106—308.
Rowland, Frederick T.: *See*—
Perdue, Willard F., and Rowland. 2,990,170.
Rowland, George P., and J. J. Wolski, to The Firestone Tire & Rubber Co. Suspension polymerization process and novel compounds for use in said process. 2,996,490, 8–15–61, Cl. 260—92.8.
Rowland, George P., Jr.: *See*—
Piloni, Robert A., and Rowland. 2,979,480.
Rowland, Howard J., to D. S. Kennedy & Co. Tuning piston for waveguides. 3,008,105, 11–7–61, Cl. 333—98.
Rowland, Paul M. Grade averaging computer. 3,002,683, 10–3–61, Cl. 235—83.
Rowland Products, Inc.: *See*—
Rowland, William P. 2,985,556.
Rowland, Stanley P.: *See*—
Beavers, Ellington M., Rowland, and White. 2,997,484.
Maringer, Melvin F., and Rowland. 3,012,986.
Rowland, Walter P.: *See*—
Martin Kenneth P., and Rowland. 2,968,430.
Rowland, William P., to Rowland Products, Inc. Manufacture of spectacle frames. 2,985,556, 5–23–61, Cl. 154—102.
Rowlands, Tom, to Molins Machine Co. Ltd. Apparatus for collecting or arranging cigarettes. 3,000,488, 9–19–61, Cl. 198—33.
Rowles, Reginald V., and R. Madeley, to Anglo-American Extrusion Co. Hydraulic press apparatus. 2,984,980, 5–23–61, Cl. 60—51.
Rowles, Reginald V., and B. T. Gowing, to Anglo-American Extrusion Co. Hydraulic press apparatus. 2,984,981, 5–23–61, Cl. 60—51.
Rowlett, Beb H., and A. Silver, to The Garrett Corp. Temperature responsive variable means for controlling flow in turbomachines. 2,980,394, 4–18–61, Cl. 253—52.
Rowley, Edward C.: *See*—
Papy, Hugh R., Carson, and Rowley. 2,998,154.
Rowley, Geoffrey C.: *See*—
Diprose, Kenneth V., and Rowley. 3,011,712.
Petherick, Edward J., and Rowley. 2,973,901.
Rowley, Martin E.: *See*—
Malm, Carl J., Rowley, and Hiatt. 2,969,355.
Rowley, Paul D. Towing apparatus. 3,006,309, 10–31–61, Cl. 114—235.
Rowley, Robert J.: *See*—
Adamsbeck, James H., and Rowley. 3,005,115.
Rowley, Robert J., to Collins Radio Co. Adjustable high-frequency tuning unit. 2,969,460, 1–24–61, Cl. 250—40.
Rowlinson, Hugh C., to Canadian Industries Ltd. Ammonium nitrate explosives and their manufacture. 3,004,842, 10–17–61, Cl. 52—14.
Roy, J. D., ½0 to Gadget-of-the-Month Club, Inc. Device for handling and protecting milk cartons. 3,000,536, 9–19–61, Cl. 220—85.
Roy, Leo T., to Craft, Inc. Spring hinge. 2,998,618, 9–5–61, Cl. 16—184.
Roy, Milton, Co.: *See*—
Barron, John T. 3,011,685.
Bennett, Richard A. 2,972,894.
Bennett, Richard A. 2,975,599.
Schneider, George W., Jr. 2,991,688.
Schneider, George W., Jr., and Sheen. 2,992,077.
Roy, Robert F. Carburetor. 2,987,304, 6–6–61, Cl. 261—44.
Royal Appliance Mfg. Co.: *See*—
Kasper, Elmer J. 2,997,729.
Royal Bond, Inc.: *See*
Landau, Argo E., Roberts, and Zellmann. 3,000,782.
Royal Business Forms, Inc.: *See*—
Schliemann, Julius B. 3,004,775.
Royal Container Co.: *See*—
Wilson, Harry W., and Dornbush. 2,985,323.
Wilson, Harry W., and Dornbush. 3,013,369.
Royal Electric, Inc.: *See*—
Moon, Frederick C., and Boyer. 2,998,553.
Royal Engineering Co., Inc.: *See*—
Baird, Ansyl R., and Balagna. 3,005,384.
Royal McBee Corp.: *See*—
Arthur, Ronald H. 2,997,680.
Arthur, Ronald H. 3,001,699.
Cetran, Louis, D'Onofrio, and Lapointe. 3,001,625.
Dilling, Marion R., Renshaw, and Barger. 3,007,632.
D'Onofrio, Anthony. 2,986,257.
D'Onofrio, Anthony. 2,988,194.
Doerner, Ernest H. 2,991,999.
Frechette, Kenneth R. 3,001,626.
Frechette, Kenneth R. 3,001,627.
Holland, John H. 2,984,327.
Lambert, Harry L. 2,984,328.
Lambert, Harry L. 2,986,258.
Lambert, Harry L., Page, and Snyder. 3,011,618.
Lapointe, Lloyd J. 2,980,320.
Lapointe, Lloyd J. 2,995,636.
Lapointe, Lloyd J. 2,999,625.
Page, Paul F. 2,991,805.
Page, Paul F., Lambert, and Snyder. 2,979,277.
Perez, Guillermo. 2,997,231.
Poirier, Armand C. 2,984,329.
Ryan, William P., and Wu. 3,011,617.
Scribner, Albert W. 3,011,616.
Von Kummer, Ferdinand G., and Stanley. 2,995,231.
Wendt, Frederick C. 2,978,087.
Royalty, John. Adjustable strike plates. 3,006,677, 10–31–61, Cl. 292—341.18.
Royce, Alec, to Boots Pure Drug Co. Ltd. Control of bacteriological sterilisation. 3,000,706, 9–19–61, Cl. 23—232.
Royce, Mark B., to Continental Can Co., Inc. Container for packaging apples. 2,973,127, 2–28–61, Cl. 229—6.
Royce, Mark B., to Continental Can Company, Inc. Ventilated shipping container for fruits and vegetables. 2,975,926, 3–21–61, Cl. 217—42.
Royce, Mark B., to Continental Can Co., Inc. Folding container with slip-in veneers. 3,008,624, 11–14–61, Cl. 209—14.
Royce, Martin R., and A. E. Hardy, to Radio Corp. of America. Color-phosphor screens. 2,972,075, 2–14–61, Cl. 313—92.
Royder, Thomas H., to Esso Research and Engineering Co. Filtration method. 3,002,915, 10–3–61, Cl. 208—38.
Royder, Thomas H., to Esso Research and Engineering Co. Solvent dewaxing process. 3,014,859, 12–26–61, Cl. 208—33.
Royer, Arthur G.: *See*—
Seel, Howard J., and Royer. 2,976,037.
Royer, Arthur G., and S. S. Watts, to Harris-Intertype Corp. Pile elevating mechanism. 2,980,422, 4–18–61, Cl. 271—69.
Royer Foundry & Machine Co.: *See*—
Davies, Stanley S. 3,013,660.
Royer, John A.: *See*—
Kovick, William E., and Royer. 2,986,339.
Royer, John A., W. S. Kimbro, and H. D. Jacoby, to Buckner Mfg. Co., Inc. Rotary sprinkler swivel with thrust bearing assembly. 2,980,341, 4–18–61, Cl. 239—261.
Royer, Kenneth M., and D. C. Kolpack, to Purity Cheese Co. Molding press and method. 3,008,235, 11–14–61, Cl. 31—44.
Royer, Otto O.: *See*—
Detrich, Keith R. 3,007,248.
Royer, Richard N.: *See*—
Grondin, George F., and Royer. 2,980,858.
Royer, Thurber W., to Aerojet-General Corp. Booster device for operating well tools. 2,979,904, 4–18–61, Cl. 60—54.5.
Royer, Wayne H., to Capitol Products Corp. Level loader and unloader for baking oven. 2,980,038, 4–18–61, Cl. 107—57.
Roylance, Alan, S. Paul, and R. J. Taylor, to Lever Brothers Co. Treatment of edible oils. 2,976,156, 3–21–61, Cl. 99—163.
Royle, Joseph K., and A. Williams, to National Research Development Corp. Servo controlled drive mechanism. 2,968,144, 1–17–61, Cl. 60—6.
Roys, Lawrence. Demountable structural frames and couplings therefor. 2,995,223, 8–8–61, Cl. 189—36.
Royston Laboratories, Inc.: *See*—
O'Brien, Harold C., Jr. 3,012,585.
Royston, Marvin F., to Bell & Howell Co. Film supplying apparatus. 2,990,126, 6–27–61, Cl. 242—5.12.
Rozenfeld, Lucien, to Les Procedes Rovac, Chemin des Reniers. Automatic apparatus for electrolytic processing and the like. 2,991,791, 7–11–61, Cl. 134—58.
Rozmus, Walter J. Pivoted crushing plier. 2,986,346, 5–30–61, Cl. 241—169.
Rozner, Felix, F. Oakes, and J. V. J. Corney, to Ferguson Radio Corp. Ltd. Automatic frequency control circuits. 2,982,921, 5–2–61, Cl. 331—17.
Rozner, Joseph J., to Parkersburg-Aetna Corp. Bearing. 2,990,224, 6–27–61, Cl. 308—236.
Rozzi, Albert P., Sr. Football helmet face guard. 2,986,739, 6–6–61, Cl. 2—9.
Ruano, William J.: *See*—
Dillon, John D. 2,992,294.
Marfisi, Joseph. 2,975,938.
Rubatex Products, Inc.: *See*—
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Rubber Barricade Co., Inc.: *See*—
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Rubber Fabricators, Inc.: *See*—
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Rubbermaid Inc.: *See*—
Breneman, Joseph C. 3,008,702.
Rubberol Coverings, Inc.: *See*—
Fratzke, John W. 3,010,194.
Rubber-Seal Products Co., Inc.: *See*—
Denman, Stephen A. 3,012,699.
Rubbra, Arthur A., and R. Jones, to Rolls-Royce Ltd. Rotor with pivoted blades for compressors and turbines. 2,980,395, 4–18–61, Cl. 253—77.
Rübel, Werner, to W. Overhoff. Production and treatment of pearlitic malleable cast iron. 2,995,441, 8–8–61, Cl. 75—123.
Ruben, Henning. Apparatus for artificial respiration. 3,009,459, 11–21–61, Cl. 128—29.
Ruben, Samuel. Primary cell. 2,967,898, 1–10–61, Cl. 136—119.
Ruben, Samuel. Refractory composition. 3,006,865, 10–31–61, Cl. 252—518.
Ruben, Zorro D. Portable table saw. 2,990,859, 7–4–61, Cl. 143—132.
Ruben, Zorro D. Portable power table saw. 2,990,862, 7–4–61, Cl. 144—285.
Rubens, Louis C.: *See*—
Eichhorn, Jacob, Rubens, Fahlgren, and Pomranky. 3,009,906.
Pollard, Eliza G., and Rubens. 3,013,996.
Rubens, Sidney M., to Sperry Rand Corp. Magnetic reading device. 2,995,631, 8–8–61, Cl. 179—100.2.
Rubenstein, J., & Sons: *See*—
Handzel, Edward. 2,983,984.
Ruberoid Co., The: *See*—
Church, John W. 3,005,791.
Rubin, Alan A.: *See*—
Topliss, John G., Sperber, and Rubin. 2,986,573.
Rubin, Alexander N.: *See*—
Goff, Clarence D., and Detwiler. 2,966,785.
Rubin, Arthur L. Foundation garment. 2,998,011, 8–29–61, Cl. 128—528.
Rubin, Bernard: *See*—
Moates, Guy H., Rubin, and Jackson. 3,006,737.
Rubin, Herbert: *See*—
Sutter, Elliot, and Rubin. 2,981,139.
Rubin, Leon J., and C. K. Cross, to Canada Packers Ltd. Process for the degradation of the side chain of bile acid derivatives. 2,994,709, 8–1–61, Cl. 260—397.5.
Rubin, Martin. Production of hecogenin and tigogenin from plant material. 2,991,282, 7–4–61, Cl. 260—239.55.
Rubin, Martin, to North American Aviation, Inc. Driving circuit for electromechanical switching devices. 3,002,112, 9–26–61, Cl. 307—93.
Rubin, Maurice, to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture. Separation of potassium and/or magnesium ions from double salts containing potassium and magnesium. 2,977,186, 3–28–61, Cl. 23—67.
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Johnson, William S., Collins, Pappo, and Rubin. 2,973,357.
Rubin, Richard, to A. Alford. Coaxial switch. 3,001,053, 9–19–61, Cl. 200—153.
Rubin, Robert J., to United States of America, Navy. Shock tube for studying warhead combination damage. 2,998,719, 9–5–61, Cl. 73—12.
Rubin, Robert L. Toy construction kit. 2,996,832, 8–22–61, Cl. 46—16.
Rubin, Saul H., to Hoffmann-La Roche Inc. Panthenol aerosol hair spray. 2,983,650, 5–9–61, Cl. 167—87.1.
Rubin, Sheldon, to California Institute Research Foundation. Dynamic force measuring device. 2,988,921, 6–20–61, Cl. 73—517.
Rubin, Sol. Litter cleaner for cages. 2,970,567, 2–7–61, Cl. 119—22.
Rubinoff, Morris: *See*—
Bradley, William E., and Rubinoff. 2,973,437.
Rubinstein, David: *See*—
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Atkinson, Edward R., Mark, and Rubinstein. 2,973,396.
Wilip, Elmar K., Rubinstein, Ohlson, and Carey. 3,000,918.
Rubinstein David, and E. K. Wilip, to W. R. Grace & Co. Vinyl 2-ethylhexyl chlorendate. 2,968,671, 1–17–61, Cl. 260—468.
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Rubinstein, Harry W., S. B. Williams, and J. E. Dornfeld, to Sprague Electric Co. Multiple capacitor. 2,968,752, 1–17–61, Cl. 317—242.
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Ruble, Theodore A., to Continental Carbon Co. Apparatus for making carbon black. 3,005,689, 10–24–61, Cl. 23—259.5.
Ruble, Theodore A., to Continental Carbon Co. Apparatus for making carbon black. 3,009,787, 11–21–61, Cl. 23—259.5.
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Rucki, Edward V., Jr., to King Container Corp. Container closure. 2,969,895, 1–31–61, Cl. 222—153.
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Rudd, Wallace C., to Magnetic Heating Corp. Heating apparatus. 3,015,018, 12–26–61, Cl. 219—67.
Rudden, William J., to General Electric Co. Butterfly valve. 3,008,685, 11–14–61, Cl. 251—160.
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Rudelick, John, to Bruner Corp. Rotatable spool distributor valve. 2,988,107, 6–13–61, Cl. 137—625.46.
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Rudkin, George O., Jr., J. E. Wilson, and M. A. Dunn, to Atlas Powder Co. Castor oil-based urethane coatings. 2,994,674, 8–1–61, Cl. 260—18.
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Rudner, Bernard, to W. R. Grace & Co. Piperazinium salts. 2,967,865, 1–10–61, Cl. 260—268.
Rudner, Bernard, to W. R. Grace & Co. N-aminoemetinium compounds. 2,970,999, 2–7–61, Cl. 260—270.
Rudner, Bernard, to W. R. Grace & Co. Triethylenediamine hydrazinium compounds. 2,973,361, 2–28–61, Cl. 260—268.
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Rudner, Bernard, and M. S. Moores, to Koppers Co., Inc. Ampholytic metal esters and the method of their preparation. 2,976,307, 3–21–61, Cl. 260—448.
Rudner, Bernard, and M. S. Moores, to Koppers Co., Inc. Tetrakis(dihydroxyboroxyalkyl) alkylenediamines. 3,000,924, 9–19–61, Cl. 260—462.
Rudner, Bernard, and M. S. Moores, to Koppers Co., Inc. Alkylene-bis-boracyclooctane preparation. 3,000,925, 9–19–61, Cl. 260—462.

Rudnick, Paul, and R. K. Orthuber, to International Telephone and Telegraph Corp. Extended flood beam source for image tubes. 2,983,836, 5–9–61, Cl. 313—94.

Rudnicki, Mark I., and W. Dralle, to Ex-Cello-O Corp. Crown grinder. 2,975,562, 3–21–61, Cl. 51—33.

Rudolf, Leslie E. Portable bath. 2,972,752, 2–28–61, Cl. 4—177.

Rudolph, Hans, to Siemens & Halske Aktiengesellschaft. Teleprinter signal transmission apparatus. 3,001,016, 9–19–61, Cl. 178—17.5.

Rudolph, Hans, to Siemens & Halske Aktiengesellschaft. Teleprinter signal transmission apparatus. 3,005,871, 10–24–61, Cl. 178—26.

Rudolph, Nathan H., to All-Steel Equipment, Inc. Electrical box cover. 2,987,211, 6–6–61, Cl. 220—3.4.

Rudolph, Wallace R., and K. Rodin. Remote control portable distribution box. 2,988,655, 6–13–61, Cl. 307—114.

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Rudy, Marion F. Micro-ball joint. 2,983,558, 5–9–61, Cl. 308—194.

Rudy, Marion F., to Verdugo Products Co. Clamp connection and spacer for electrical transmission lines. 3,013,244, 12–12–61, Cl. 339—245.

Rudzitis, Karl, to Telectro Industries Corp. Loading mechanism for a magnetic tape recorder cartridge or the like. 2,969,929, 1–31–61, Cl. 242—55.13.

Rue, Charles S., Jr., to West Virginia Pulp & Paper Co. Container for packaging grinding wheels. 2,997,164, 8–22–61, Cl. 206—46.

Rue, Howard M., to Sun Oil Co. Sulfur-containing lubricant inhibited against staining. 2,980,613, 4–18–61, Cl. 252—34.7.

Rue, Robert W., to The New York Air Brake Co. Control valve. 2,988,106, 6–13–61, Cl. 137—621.

Rueb, Theodore O., to The Sherman Klove Co. Wrench making method. 2,977,824, 4–4–61, Cl. 76—114.

Rueb, Theodore O., to The Sherman Klove Co. Universal joint. 2,997,864, 8–29–61, Cl. 64—17.

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Rueger, Lauren J., to Research Corp. Waveguide to microstrip transition structure. 2,979,676, 4–11–61, Cl. 333—34.

Rueger, Lauren J., to Research Corp. Transmission line matching structure. 2,983,884, 5–9–61, Cl. 333—33.

Rueger, William J., to International Business Machines Corp. Conveying device. 2,989,029, 6–20–61, Cl. 118—640.

Ruegg, Hans, R. Keller, and A. Klopfer, to Allpatent Aktiengesellschaft. Flexible coupling member. 3,000,197, 9–19–61, Cl. 64—15.

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Guex, Waldemar, Isler, Rüegg, and Ryser. 3,014,053.
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Ruegg, Rudolf, and H. W. Liechti, to Ciba Ltd. Metal complexes of monoazo-dyestuffs. 2,993,884, 7–25–61, Cl. 260—147.

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Rueggeberg, Werner, to Armstrong Cork Co. Dual load transmission system. 2,997,671, 8–22–61, Cl. 333—17.

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Ruehlemann, Herbert E., to Elco Corp. Socket for a printed circuit and mounting therefor. 2,972,729, 2–21–61, Cl. 339—193.

Ruehlemann, Herbert E., R. J. Burke, R. Bianchi, T. C. Smith, and D. K. Tower, to United States of America, Navy. Bomb fuze. 2,978,981, 4–11–61, Cl. 102—70.2.

Ruehlemann, Herbert E., to United States of America, Navy. Timing device with a cold cathode diode stabilization arrangement. 2,981,890, 4–25–61, Cl. 328—72.

Ruehlemann, Herbert E., and W. E. Menzel, to United States of America, Navy. Stabilized time fuze circuit. 2,985,837, 5–23–61, Cl. 328—72.

Ruehlemann, Herbert E. Selectively variable timing fuse. 2,998,773, 9–5–61, Cl. 102—70.2.

Ruehlemann, Herbert E., to United States of America, Navy. R–C long delay timing circuit. 2,999,208, 9–5–61, Cl. 328—78.

Ruehlemann, Herbert E., to United States of America, Navy. Stabilized circuit for electrical relay fuze. 3,001,477, 9–26–61, Cl. 102—70.2.

Ruehlemann, Herbert E., to United States of America, Navy. Mercury switch generator for electric fuzes. 3,008,416, 11–14–61, Cl. 102—70.2.

Ruehlemann, Herbert E., to United States of America, Navy. Single pole, double throw centrifugally operated mercury switch. 3,012,504, 12–12–61, Cl. 102—70.2.

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Ruess, Leopold. Motor with drive for vehicles with pedals, especially two-wheeled vehicles. 3,002,399, 10–3–61, Cl. 74—625.

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Ruf, Walter. Track wheel for track-laying vehicles. 2,970,867, 2–7–61, Cl. 305—56.

Rufer, Calvin H. Castrator and docking device. 2,966,911, 1–3–61, Cl. 128—306.

Rufer, Calvin H., and R. J. McDonnell; said Rufer assor. to said McDonnell. Valve lifting tool. 3,010,192, 11–28–61, Cl. 29—217.

Ruff, Erwin W., to U.S. Tool Co., Inc. Slide feed. 2,991,751, 7–11–61, Cl. 116—124.

Ruff, Martin L., Sr. Advertising calendar device. 3,002,306, 10–3–61, Cl. 40—107.

Ruffell, Leslie E., to Sterling Engineering Co. Ltd. Firing mechanism for automatic firearms. 3,012,479, 12–12–61, Cl. 89—142.

Ruffing, Joseph A., to Allied Chemical Corp. Permanent flame retardant electrical laminating varnish. 2,995,536, 8–8–61, Cl. 260—25.

Ruffing, Norman R., and J. L. Amos, to The Dow Chemical Co. Method of thermally cross-linking an alkylvinyl aromatic hydrocarbon polymer. 2,987,508, 6–6–61, Cl. 260—85.5.

Ruffing, Norman R., and J. L. Amos, to The Dow Chemical Co. Catalytic crosslinking of vinyltoluene polymers. 3,008,937, 11–14–61, Cl. 260—85.5.

Ruffino, Gabriel G. Food product machine. 2,975,741, 3–21–61, Cl. 113—42.

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Rugg, E. Melvin, to International Harvester Co. Collapsible control mast for fork-type lift trucks. 2,970,663, 2–7–61, Cl. 180—19.

Rugg, Frank M., and J. E. Potts, to Union Carbide Corp. Craft copolymer of polyethylene and polymerizable acrylic compounds, process for preparing same, and composition thereof. 2,970,129, 1–31–61, Cl. 260—45.5.

Rugg, Gerard B., to Deluxe Coils, Inc. Power pack encapsulation. 2,990,497, 6–27–61, Cl. 317—99.

Rugg, Gordon S.: *See*—
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Ruggiero, Alfred J., to E. D. Bullard Co. Safety hat suspension harness. 2,981,955, 5–2–61, Cl. 2—3.

Ruggiero, Maurice. Emergency brake system. 2,994,563, 8–1–61, Cl. 303—2.

Rugland, Gerhard T., J. P. Yackel, and A. P. Bergee. Multiple choice response device. 2,977,689, 4–4–61, Cl. 35—48.

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Ruh, Robert P., and R. A. Davis, to The Dow Chemical Co. Preparation of hydrogen fluoride. 3,006,727, 10–31–61, Cl. 23—153.

Ruhl, Charles A. L.: *See*—
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Ruhl, Charles A. L., to The New York Air Brake Co. Valve. 2,971,524, 2–14–61, Cl. 137—108.

Ruhl, Charles A. L., to The New York Air Brake Co. Fluid distribution system and valves therefor. 2,977,971, 4–4–61, Cl. 137—108.

Ruhl, Charles A. L., to The New York Air Brake Co. Control valve. 2,994,346, 8–1–61, Cl. 137—621.

Ruhl, Charles A. L., to The New York Air Brake Co. Control valve with cavitation-minimizing replenishing circuit. 3,006,372, 10–31–61, Cl. 137—622.

Ruhl, Charles A. L., and R. C. Westveer, to The New York Air Brake Co. Control valve. 2,969,089, 1-24-61, Cl. 137—620.
Ruhl, Charles L. Advertising device. 3,002,305, 10-3-61, Cl. 40—36.
Ruhl, Frederick L.: *See*—
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Ruhl, Harry D.: *See*—
Herscher, Leonard W., and Ruhl. 2,984,149.
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Ruhle, Hans, to Zeiss Ikon A.G. Stuttgart. Multiple focal length lens. 3,004,470, 10-17-61, Cl. 88—57.
Ruhm, Alfred S. Prefabricated shower stall construction. 2,993,212, 7-25-61, Cl. 4—146.
Ruhman, Smil, to Minneapolis-Honeywell Regulator Co. Electrical pulse manipulating apparatus. 2,981,847. 4-25-61, Cl. 307—88.
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Ruhnke, Richard R., to Garden City Plating & Mfg. Co. Garment rack. 2,985,316, 5-23-61, Cl. 211—178.
Ruhoff, James S., to Monsanto Chemical Co. Anthelmintic compositions containing substituted carbanilides and methods of using same. 2,983,646, 5-9-61, Cl. 167—53.
Ruhr, Heinrich R., and A. Mühlbach, to United Shoe Machinery Corp. Machines for operating upon shoe soles. 2,995,764, 8-15-61, Cl. 12—88.
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Ruley, Bryce T., to General Motors Corp. Separators. 2,975,008, 3-14-61, Cl. 308—201.
Rulison, Richard N., to Celanese Corp. of America. Process for wet spinning cellulose triesters. 3,012,847, 12-12-61, Cl. 18—54.
Rulon, Richard M., to Sylvania Electric Products Inc. Light amplification and storage device. 3,001,078, 9-19-61, Cl. 250—213.
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Rumble, Dale H., to International Business Machines Corp. Data comparing system. 3,009,636, 11-21-61, Cl. 235—61.7.
Rumble, Lester Jr., and R. A. Martin, to Georgia Tech Research Institute. Physiological fluid injection system. 3,014,481, 12-26-61, Cl. 128—214.
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Rumble, Robert C., to Jersey Production Research Co. Displacement indicating apparatus. 2,978,688, 4-4-61, Cl. 340—203.
Rumker, Robert W. Automatic transmission. 2,973,668, 3-7-61, Cl. 74—688.
Rummel, Roman, and R. Hüttner, to Union Rheinische Braunkohlen Kraftstoff Aktiengesellschaft. Production of gases of high and low calorific value. 3,008,815, 11-14-61, Cl. 48—197.
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Rummel, Theodor, to Siemens & Halske Aktiengesellschaft. Gas discharge device for producing extremely pure crystalline semiconductor substances. 2,992,984, 7-18-61, Cl. 204—325.
Rummer, Heribert, to Nurnberger Schwachstrom-Bauelement Fabrik Gesellschaft mit beschrankter Haftung. Ultra-high-frequency tuner. 2,995,657, 8-8-61, Cl. 250—40.
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Rumonski, George R. Means for storing and preserving live tubifex worms. 2,990,808, 7-4-61, Cl. 119—1.
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Rumrill, Howard J., and E. W. Howe; said Rumrill assor. to American Bosch Arma Corp. Vehicle position indicator. 3,010,329, 11-28-61, Cl. 74—198.
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Bruin, Pieter, van Raamsdonk, Rumscheidt, and Ruinard. 3,014,882.
Rumsey, Herbert, Jr., to W. R. Grace & Co. Packaged product and method of making the same. 2,967,383, 1-10-61, Cl. 53—14.
Rumsey, Herbert, Jr. Method of making packages wrapped in flexible sheet material. 3,010,262, 11-28-61, Cl. 53—30.
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Peterson, Oliver H., Matisheck, and Rumsey. 2,998,349.
Rumsey, Rollin D., to Houdaille Industries, Inc. Direct acting damper structure. 2,973,061, 2-28-61, Cl. 188—96.
Rumsey, Rollin D., to Houdaille Industries, Inc. Linear type shimmy and steer damper. 2,974,905, 3-14-61, Cl. 244—50.
Rumsey, Rollin D., to Houdaille Industries, Inc. Temperature compensated liquid-spring device. 2,982,537, 5-2-61, Cl. 267—1.
Rumsey, Rollin D., to Houdaille Industries, Inc. Linear type shimmy and steer damper. 2,988,056, 6-13-61, Cl. 121—38.
Rumsey, Rollin D., to Houdaille Industries, Inc. Aircraft linear steer damper. 3,001,741, 9-26-61, Cl. 244—50.
Rumsey, Rollin D., to Houdaille Industries, Inc. Energy absorbing device. 3,007,551, 11-7-61, Cl. 188—96.
Rumsey, Rollin D., and W. J. Carter, to Houdaille Industries, Inc. Rotary damper. 2,997,140, 8-22-61, Cl. 188—93.
Rumsey, Victor H., and C. H. Walter, to United States of America, Air Force. Slot antenna with horn. 2,996,715, 8-15-61, Cl. 343—767.
Runciman, Robert D., to The General Electric Co. Ltd. Automatic machines for mounting electrical components on base members. 2,978,707, 4-11-61, Cl. 1—323.
Runciman, Robert D., to The General Electric Co. Ltd. Feed mechanisms. 2,998,289, 8-29-61, Cl. 312—71.
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Runco, Joseph C., to Anchor Hocking Glass Corp. Pressure shoe. 2,991,608, 7-11-61, Cl. 53—329.
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Fettig, Arthur J., Jenks, Lasdine, Maidment, and Runde. 2,981,421.
Maidment, Earl P., and Runde. 2,973,081.
Rundell, Charles L., to General Electric Co. Contact tip for welding gun. 2,981,825, 4-25-61, Cl. 219—136.
Rundlett, James C., to Sperry Rand Corp. Object locating system. 2,987,719, 6-6-61, Cl. 343—6.5.
Rundt, John W., to The Timken Roller Bearing Co. Means for loading bearing members or the like. 2,986,435, 5-30-61, Cl. 308—207.
Rungaldier, Karl, and E. Braun, to Patentauswertung Vogelbusch Gesellschaft m.b.H. Method and device for controlling the growth of microbial cultures. 3,002,894, 10-3-61, Cl. 195—117.
Runge, Wallace F., to Commercial Solvents Corp. Process for the production of lactams. 2,976,282, 3-21-61, Cl. 260—239.3.
Runge, Wilhelm T., B. Betzenhammer, and E. F. Henze, to Telefunken G.m.b.H. Pulse code modulation system. 2,970,281, 1-31-61, Cl. 332—13.

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Runk, Robert H., and L. E. Edelman, to Westinghouse Electric Corp. Heat resistant electrical insulating varnish. 2,977,333, 3–28–61, Cl. 260—20.
Runkle, Raymond B., to Hexcel Products Inc. Pneumatic hold down device. 2,968,712, 1–17–61, Cl. 219—82.
Runkle, Raymond B., to Hexcel Products Inc. Resistance welding method and apparatus. 2,987,611, 6–6–61, Cl. 219—117.
Runnalls, Oliver J. C., to Atomic Energy of Canada Ltd. Production of thorium-uranium alloys. 2,987,393, 6–6–61, Cl. 75—122.7.
Runninger, Frederick L., to Iron Fireman Mfg. Co. Oil burner fuel supply system. 3,001,574, 9–26–61, Cl. 158—36.3.
Runswick, Wallace D.: *See*—
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Runton, Leslie A., to The Russell Mfg. Co. V link transmission belt. 2,969,686, 1–31–61, Cl. 74—236.
Runton, Leslie A., to The Russell Mfg. Co. Molded anti-friction bearing. 2,983,561, 5–9–61, Cl. 308—238.
Runton, Leslie A., to The Russell Mfg. Co. Laminated non-woven belt. 2,983,636, 5–9–61, Cl. 154—52.1.
Runton, Leslie A., to The Russell Mfg. Co. Center pitch line belt. 2,984,594, 5–16–61, Cl. 154—52.1.
Runton, Leslie A., to The Russell Mfg. Co. Conveyor belts. 3,000,771, 9–16–61, Cl. 154—52.1.
Runton, Leslie A., to The Russell Mfg. Co. Insulator for rocket motor. 3,001,362, 9–26–61, Cl. 60—35.6.
Runton, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Packing ring. 2,969,997, 1–31–61, Cl. 288—17.
Runton, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Oilless non-corrosive bearing. 2,983,562, 5–9–61, Cl. 308—238.
Runton, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Loom picker and bearing. 3,000,076, 9–19–61, Cl. 28—80.
Runton, Leslie A., and H. C. Morton, to The Russell Mfg. Co. High temperature molded fabric packing gland. 3,000,846, 9–19–61, Cl. 260—41.
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Rupp, William E., and A. W. Moeller, to The Bendix Corp. Multi-channel horn antenna. 2,972,148, 2–14–61, Cl. 343—776.
Ruppe, Peter P. Walking beam conveyor. 3,003,615, 10–10–61, Cl. 198—219.
Ruppel, Robert H., and C. E. Winters, to United States of America, Atomic Energy Commission. Casting furnaces. 2,966,709, 1–3–61, Cl. 22—73.
Rupprecht, Kenneth J., to United States Rubber Co. Elastic yarn and method of making same. 3,011,302, 12–5–61, Cl. 57—152.
Rupprecht, Walter E. F.: *See*—
Clock, Gerald E., Rupprecht, and Cummings. 3,011,903.
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Rus, Albert F., to Western Electric Co., Inc. Device for straightening wire leads of electrical components. 3,002,539, 10–3–61, Cl. 140—147.
Rusch, William T.: *See*—
Groce, John C., and Rusch. 2,975,410.
Rusche, Frederic. Pile driving mandrel. 3,006,152, 10–31–61, Cl. 61—53.72.
Rusche, Frederic, to Pile Equipment Co., Inc. Pile driver mandrel. 3,007,318, 11–7–61, Cl. 61—53.72.
Ruschig, Heinrich: *See*—
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Ruschig, Heinrich, W. Aumuller, G. Korger, H. Wagner, J. Scholz, and A. Bander, to The Upjohn Co. New benzene sulfonyl ureas; composition and process for lowering blood sugar therewith. 2,968,158, 1–17–61, Cl. 167—55.
Ruschig, Heinrich, W. Aumuller, G. Korger, H. Wagner, J. Scholz, and A. Bander, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. N(alkyl-, cycloalkyl-, and cycloalkylalkylsulfonyl)-N'(alkyl-, alkenyl-, cycloalkyl, and cycloalkylalkyl)-ureas. 2,976,317, 3–21–61, Cl. 260—553.
Ruschig, Heinrich, K. Schmitt, and E. Lindner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. N-paramino alkoxy phenyl-aromatic dicarbozylic acid imides. 2,995,559, 8–8–61, Cl. 260—294.
Ruschig, Heinrich, K. Schmitt, E. Lindner, and W. Meixner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Phthalimide derivatives and process for their manufacture. 3,001,998, 9–26–61, Cl. 260—247.2.
Ruschp, Sepp: *See*—
Bannerman, Gordon H., Harp, and Ruschp. 2,981,205.
Ruse, Raymond L.: *See*—
Bolton, Wilbur M., and Ruse. 3,004,866.
Bonner, Frank E., and Ruse. 2,987,714.
Ruse, Raymond L., and W. D. Stamper, to The Commonwealth Engineering Co. of Ohio. Vehicle air conditioning device. 3,008,303, 11–14–61, Cl. 62—238.
Rush, Charles K., to National Research Council. De-icing control. 3,013,752, 12–19–61, Cl. 244—134.
Rush, Elton E., to Phillips Petroleum Co. Closure for rocket case. 2,995,009, 8–8–61, Cl. 60—35.6.
Rush, Paul J., to United States of America, Navy. Mobile segmented cylindrical pontoon structure. 2,987,024, 6–6–61, Cl. 114—.5.
Rush, William F., and W. G. Watters, to Borg-Warner Corp. Absorbent composition for an absorbent refrigeration system. 3,004,919, 10–17–61, Cl. 252—67.
Rushin, Wallace R.: *See*—
Crawford, Arthur R., Ongaro, Rushin, and Ellis. 2,970,478.
Rushmer, John R. Apparatus for cleaning rails. 3,004,273, 10–17–61, Cl. 15—55.
Rushmore, Donald. Paper contamination classifier. 2,976,719, 3–28–61, Cl. 73—61.
Rusich, Edward J. Mechanical harvesting device for cultivated or reef oysters. 2,968,879, 1–24–61, Cl. 37—55.
Rusignolo, Vincenzo, to Montecatini Societa General per l'Industria Mineraria e Chimica. Method for obtaining shaped thermoplastic articles having improved mechanical properties. 2,979,774, 4–18–61, Cl. 18—48.
Rusin, Daniel: *See*—
Brown, Leo C., and Rusin. 2,976,154.
Rusinoff, Samuel E., to W. G. See. Milling of metals subject to galling. 2,972,287, 2–21–61, Cl. 90—11.
Ruskin, Dan B.: *See*—
Ruskin, Simon L. 2,992,173.
Ruskin, Simon L. 2,997,524.
Ruskin, Simon L., to Union Carbide Corp. Antibiotic compounds. 2,969,352, 1–24–61, Cl. 260—210.
Ruskin, Simon L., deceased; C. Farhi, D. B. Ruskin, and M. Reder, executors, to Union Carbide Corp. Methods for hydrocarbon reforming and cracking. 2,992,173, 7–11–61, Cl. 204—162.
Ruskin, Simon L., deceased; D. Ruskin, M. Reder and C. Fabri, executors of said S. L. Ruskin. Protected printed circuits and contacts. 2,997,524, 8–22–61, Cl. 174—126.
Ruskin, Simon L., to Union Carbide Corp. Flexible glass compositions. 3,001,880, 9–26–61, Cl. 106—50.
Rusnock, Francis L.: *See*—
Judge, William Q., and Rusnok. 3,010,712.
Ru-Son Products Co. and J. Rubenstein & Sons: *See*—
Handzel, Edward. 2,983,984.
Ruspak Corp.: *See*—
Britt, Edward C. 2,974,784.
Russ, Daniel G., and J. M. Eastman, to The Bendix Corp. Gas turbine fuel control system for preventing compressor stall. 2,989,850, 6–27–61, Cl. 60—39.28.
Russ, George A., and B. Nathan, to American Securit Co. Apparatus for handling glass or the like. 3,010,753, 11–28–61, Cl. 294—118.
Russbach, Raymond A.: *See*—
Merrell, Edwin J., and Russbach. 2,972,004.
Russe, Laurence P.: *See*—
Reaville, Eric T., O'Brien, and Russe. 2,994,635.
Russell, Allan D. Card controlled electrical circuit selecting apparatus. 2,985,819, 5–23–61, Cl. 324—24.
Russell, Allan D., to Kingston Electronic Corp. Electronic testing system and apparatus therefor. 3,005,043, 10–17–61, Cl. 178—5.8.
Russell, Andrew E. Adjustable anti-skid chains. 3,009,500, 11–12–61, Cl. 152—232.
Russell, Arthur G.: *See*—
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Russell, Arthur G., and G. N. Willis, to The Sherwin-Williams Co. Liquid dispensing apparatus. 2,975,939, 3–21–61, Cl. 222—142.
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Hagen, Glenn E., Williams, Beek, and Russell. 3,007,639.
Russell, Charles R. Liquid propellant squeeze-bore gun with deformable projectile sabot. 3,011,404, 12–5–61, Cl. 89—1.
Russell, Daniel H.: *See*—
Barber, Herbert L., G. F. and D. H. Russell. 3,009,452.
Russell, Donald H., to The Atlantic Refining Co. Method of preparing a homogeneous solution of a polyamide in a hydroxymethyl-dimethyl-metadioxane solvent and compositions thereof. 3,011,989, 12–5–61, Cl. 260—30.4.
Russell, Edward W. C., and S. F. Reed. Portable disposable stove or grill. 2,981,249, 4–25–61, Cl. 126—25.
Russell, Edwin R.: *See*—
Boyd, George E., Russell, and Taylor. 2,992,249.
Russell, F. L., Corp.: *See*—
Cline, Robert C., Rose, and Wiands. 2,979,343.
Russell, Fred J. Method of forming cylinder lock housing of strip material. 2,979,812, 4–18–61, Cl. 29—463.
Russell, Fred J. Sliding door latch with dead lock. 2,980,458, 4–18–61, Cl. 292—113.
Russell, Fred J. Removable torsion spring assembly. 2,985,478, 5–23–61, Cl. 292—336.3.
Russell, Fred J. Resilient knob face retainer. 2,993,720, 7–25–61, Cl. 292—347.
Russell, Fred J. Latch bolt hold-back. 2,998,274, 8–29–61, Cl. 292—169.
Russell, Fred J., and F. J. Netschert, said Netschert assor. to said Russell. Knob assembly. 2,976,073, 3–21–61, Cl. 292—352.
Russell, Fred J., and F. J. Netschert, said Netschert assor.; to said Russell. Tilting latch face. 2,980,463, 4–18–61, Cl. 292—337.
Russell, Fred J., and F. J. Netschert, said F. J. Netschert, assor. to said F. J. Russell. Hotel lock with special key shut-out from outside. 2,983,134, 5–9–61, Cl. 70—146.

Russell, Fred J., and F. J. Netschert; said Netschert assor. to said Russell. Retractor roller structure for door locks. 2,995,396, 8–8–61, Cl. 292—169.

Russell, George F.: *See*—
Barber, Herbert L., G. F. and D. H. Russell. 3,009,452.

Russell, Harry B. Dispensing device. 2,981,445, 4–25–61, Cl. 222—259.

Russell, Harvey W. and R., to Willcox & Gibbs Sewing Machine Co. Top feed attachments for sewing machines. 2,967,498, 1–10–61, Cl. 112—207.

Russell, Helen T.: *See*—
Russell, James C. 2,978,552.

Russell, Henry R.: *See*—
Mairs, Thomas G., Russell, and Locke. 3,014,635.

Russell, Ian C., ½ to Barber Machinery Ltd. and ½ to Engineered Oil Controls Ltd. Pressure operable control device. 2,985,732, 5–23–61, Cl. 200—82.

Russell, Ian C., ½ to Barber Machinery Ltd. and ½ to Engineered Oil Controls Ltd. Sampling device. 2,986,940, 6–6–61, Cl. 73—422.

Russell, Ian D., to The Denver Machinery Co. (Proprietary) Ltd. Separating tables. 2,983,382, 5–9–61, Cl. 209—458.

Russell, James B., to Kaiser Aluminum & Chemical Corp. Metal articles and materials for making same. 2,982,015, 5–2–61, Cl. 29—196.2.

Russell, James B., 50% to C. M. Hall. Curing oven. 2,983,951, 5–16–61, Cl. 18—6.

Russell, James B., to Kaiser Aluminum & Chemical Corp. Composite metal body of a ferrous base and aluminum base alloy coat. 3,010,190, 11–28–61, Cl. 29—196.2.

Russell, James C., deceased; H. T. Russell, administratrix. Timer. 2,978,552, 4–4–61, Cl. 200—33.

Russell, James P., and J. F. Vitcha, to Air Reduction Co., Inc. Preparation of halogenated acetylenic alcohols. 2,989,568, 6–20–61, Cl. 260—633.

Russell, James P., and M. W. Leeds, to Air Reduction Co., Inc. Aqueous acetylenic glycol compositions. 2,997,447, 8–22–61, Cl. 252—351.

Russell, John C. Method and apparatus for dispensing liquid from pressure cans. 2,984,939, 5–23–61, Cl. 47—58.

Russell, John D., to Joy Mfg. Co. Loading and disposition of muck in wide tunnels using rail haulage. 2,990,167, 6–27–61, Cl. 262—5.

Russell, John D., to Joy Mfg. Co. Drilling apparatus. 2,993,685, 7–25–61, Cl. 262—7.

Russell, John G., to Parker-Hannifin Corp. Locking and releasing mechanism for float controlled pilot valve. Re. 24,939, 2–21–61, Cl. 137—390.

Russell, John G., to Parker-Hannifin Corp. Fuel tank air supply and relief valve. 2,974,678, 3–14–61, Cl. 137—489.

Russell, John J., to Vance Industries, Inc. Mixing valve. 3,012,582, 12–12–61, Cl. 137—625.17.

Russell, John K., to Luber-Finer Inc. Gathered sock oil filter. 3,006,480, 10–31–61, Cl. 210—493.

Russell, John P. Extension guide for drills. 3,011,369, 12–5–61, Cl. 77—7.

Russell, Johny B., and R. J. Thomas, to United States of America, Atomic Energy Commission. Electrical load anticipator and recorder. 2,994,038, 7–25–61, Cl. 324—103.

Russell, Lee E., to Crompton & Knowles Packaging Corp. Machine for opening and handling cartons of packaging machinery. 2,987,974, 6–13–61, Cl. 93—53.

Russell, Lee E., to Crompton & Knowles Packaging Corp. Machine for filling carton boxes and the like. 3,009,303, 11–21–61, Cl. 53—251.

Russell, Lindsay, to Andrew Alford. Steerable antenna array. 2,968,808, 1–17–61, Cl. 343—854.

Russell, Lindsay, to A. Alford. Phase wobbler. 3,004,154, 10–10–61, Cl. 250—17.

Russell, Linus E., to Peters & Russell, Inc. Pump. 2,980,031, 4–18–61, Cl. 103—150.

Russell, Linus E., to Peters & Russel, Inc. Inflator valve body. 2,998,022, 8–29–61, Cl. 137—223.

Russell, Louis A., to International Business Machines Corp. Magnetic core circuit. 2,974,310, 3–7–61, Cl. 340—174.

Russell Mfg. Co., The: *See*—
Rasero, Lawrence J. 2,983,304.
Runton, Leslie A. 2,969,686.
Runton, Leslie A. 2,983,561.
Runton, Leslie A. 2,983,636.
Runton, Leslie A. 2,984,594.
Runton, Leslie A. 3,000,771.
Runton, Leslie A. 3,001,362.
Runton, Leslie A., and Morton. 2,969,997.
Runton, Leslie A., and Morton. 2,983,562.
Runton, Leslie A., and Morton. 3,000,076.
Runton, Leslie A., and Morton. 3,000,846.
Schmidt, Richard S. G. 2,983,637.

Russell, Monica. Hair curler. 2,999,504, 9–12–61, Cl. 132—41.

Russell, Peter, to The Anaconda American Brass Co. Tube drawing apparatus. 3,013,652, 12–19–61, Cl. 205—7.

Russell, Richard: *See*—
Russell, Harvey W. and R. 2,967,498.

Russell, Richard G., J. P. Theisen, and C. H. Stark, to Kimble Glass Co. Method for fabricating glass block panels. 2,972,783, 2–28–61, Cl. 18—59.

Russell, Richard W., to Ekco Products Co. Process for preparation of calcium methylate. 3,009,964, 11–21–61, Cl. 260—632.

Russell, Robert B. Starting mechanism for an internal combustion engine. 2,974,658, 3–14–61, Cl. 123—179.

Russell, Robert C., to Eaton Mfg. Co. Synchronizing means. 2,990,041, 6–27–61, Cl. 192—53.

Russell, Robert C., and C. B. McDonald. Timer device. 2,984,064, 5–16–61, Cl. 58—144.

Russell, Robert E., and N. Channin, to Wallace Silversmiths, Inc. Method and apparatus for coating of articles. 2,992,134, 7–11–61, Cl. 117—113.

Russell, Robert G., to Owens-Corning Fiberglas Corp. Method and apparatus for forming fibers. 2,973,550, 3–7–61, Cl. 18—8.

Russell, Robert G., to Owens-Corning Fiberglas Corp. Apparatus and method for forming porous fibrous sheet material. 2,981,999, 5–2–61, Cl. 28—1.

Russell, Robert G., to Owens-Corning Fiberglas Corp. Method and apparatus for melting and feeding heat-softenable materials. 3,013,095, 12–12–61, Cl. 13—6.

Russell, Robert G., and H. L. F. Bond, to Davy and United Engineering Co. Ltd. Coiling strip material. 2,990,129, 6–27–61, Cl. 242—78.4.

Russell, Ryland. Simulated helicopter. 3,003,774, 10–10–61, Cl. 280—1.21.

Russell, Stanley D., to J. I. Case Co. Baler drive mechanism. 3,006,207, 10–31–61, Cl. 74—230.17.

Russell, Stewart H.: *See*—
Winter, Eric E., and Russell. 2,990,254.

Russell, Thomas M., Jr. Sailing craft. 3,008,442, 11–14–61, Cl. 114—39.

Russell, Wallace G.: *See*—
Lawson, Ivar S., and Russell. 3,009,411.

Russell, William E., to HRB-Singer, Inc. Electronic display panel. 3,013,182, 12–12–61, Cl. 315—169.

Russell, William F., to R. T. Vanderbilt Co., Inc. Nitrosocarbamates and method of controlling fungi, bacteria and insects. 3,009,854, 11–21–61, Cl. 167—22.

Russell, William J.: *See*—
Weber, Victor, Russell, and Sanders. 2,977,967.

Russell, William J., to Landers, Frary and Clark. Vacuum bottle. 3,012,686, 12–12–61, Cl. 215—13.

Russell, William R., 45% S. W. Greenway, and 5% C. E. Brewer. Snelling tool for fishhooks. 2,992,029, 7–11–61, Cl. 289—17.

Russer's, Inc.: *See*—
McFarlane, Arthur M. 3,005,744.

Russey, Edward S., to Borg-Warner Corp. Transmission coupling. 2,995,909, 8–15–61, Cl. 64—27.

Russey, Edward S., K. M. Armantrout, and D. W. Kelbel, to Borg-Warner Corp. Control device for engine starting circuit. 2,997,996, 8–29–61, Cl. 123—179.

Russi, Ralph F.: *See*—
Taylor, William E., and Russi. 2,975,036.

Russler, Leveret C., B. Wright, J. D. Martin, and W. J. Frisch, to FWD Corp. Wheel mounting and driving means. 2,970,665, 2–7–61, Cl. 180—70.

Russo, Carl J., A. L. Trifunovic, and H. A. Sinski, to Joseph Bancroft & Sons Co. Crimping apparatus for treating fibers. 2,997,747, 8–29–61, Cl. 19—66.

Russo, Carl J., A. L. Trifunovic, and H. A. Sinski, to Joseph Bancroft & Sons Co. Method of treating crimped textile fibers. 3,000,059, 9–19–61, Cl. 19—66.

Russo, Carmine M. Oil drip cup for knitting machines. 2,984,317, 5–16–61, Cl. 184—102.

Russo, John R. Magnetic float control. 3,013,135, 12–12–61, Cl. 200—84.

Russo, Joseph D., and R. A. Weidener, to National Starch and Chemical Corp. Remoistenable adhesive compositions. 2,978,343, 4–4–61, Cl. 106—128.

Russum, Gaillard R., to Johns-Manville Corp. Conveyor fiber cleaner. 2,996,183, 8–15–61, Cl. 209—28.

Rust, David J., and J. H. Jensen, to Rylock Co., Ltd. Roller unit for sliding door panels. 2,980,947, 4–25–61, Cl. 16—105.

Rust, Edgar C., Jr., to James Hunter Machine Co. Adjustable intermittent feed mechanism. 2,997,888, 8–29–61, Cl. 74—119.

Rust, Edgar C., Jr., to James Hunter Machine Co. Needle loom. 3,010,178, 11–28–61, Cl. 28—4.

Rust, Frederick F.: *See*—
De La Mare, Harold E., Kochi, and Rust. 3,013,068.
Youngman, Edward, and Rust. 2,991,306.

Rust, John B., and H. H. Takimoto, to Hughes Aircraft Co. Ordered organo silicon-titanium oxide copolymers. 3,013,992, 12–19–61, Cl. 260—2.

Rust, John B., and H. H. Takimoto, to Hughes Aircraft Co. Stable siloxy titanium oxide organo polymers and method of making same. 3,013,993, 12–19–61, Cl. 260—2.

Rust, Mack D. Moistening assembly for cotton picking spindle. 2,971,315, 2–14–61, Cl. 56—42.

Rust-Oleum Corp.: *See*—
Mayer, Carl H., Jr. 3,012,700.

Rust, William M., Jr.: *See*—
Feagin, Frank J., Rust, and Chapanis. 3,014,551.

Rustemeyer, Hans, and R. Schneider, to Schloemann Aktiengesellschaft. Continuous casting. 2,988,790, 6–20–61, Cl. 22—57.2.

Rutenberg, Morton W., and J. L. Volpe, to National Starch and Chemical Corp. Sulfonium ether derivatives of starch. 2,989,520, 6–20–61, Cl. 260—233.3.

Rutgers-Aktiengesellschaft: *See*—
Lang, Karl F., and Froitzheim. 2,987,559.

Rutgers, Norman L.: *See*—
Bierwirth, Henry C., and Rutgers. 2,977,870.
Bierwirth, Henry C., and Rutgers. 3,001,606.
Bierwirth, Henry C., and Rutgers. 3,009,408.
Bierwirth, Henry C., and Rutgers. 3,014,704.

Rutgers Research and Educational Foundation: *See*—
Greenspan, George, and Schaffner. 2,968,595.
Nickerson, Walter J., and Noval. 2,988,487.
Waksman, Selman A., and Lechevalier. 2,992,162.

Rutgerswerke-Aktiengesellschaft: *See*—
Geiler, Julius, Schweym, Puls, Lang, and Damm. 2,985,577.
Meis, Helmut, and Sauer. 2,983,731.
Metzger, Walter, and Schünemann. 2,969,405.
Metzger, Walter and Schünemann. 2,969,406.

Ruth, Edward S., to The Gamewell Co. Telephone-equipped alarm box. 3,009,023, 11–14–61, Cl. 179—100.

Ruth, Helmer A., to Interlake Iron Corp. Sounding rod seal for a blast furnace. 2,992,486, 7–18–61, Cl. 33—126.5.

Ruth, Joseph P. Jolter adjunct for scraper-loader units. 2,997,798, 8–29–61, Cl. 37—124.

Ruth, Joseph P. Gas treating apparatus. 2,998,308, 8–29–61, Cl. 23—284.

Ruthardt, Konrad, to W. C. Heraeus G.m.b.H. Spinnerette. 2,967,792, 1–10–61, Cl. 148—32.5.

Ruther, Westly E.: *See*—
Greenberg, Sherman, Misch, and Ruther. 2,970,885.

Rutherford, Ernest C. Whirling toy. 3,008,264, 11–14–61, Cl. 46—47.

Rutherford, Harry. Safety flush valve. 2,988,751, 6–20–61, Cl. 4—56.

Rutherford and Stanton Ltd.: *See*—
Hine, James S. 3,012,688.

Ruthner, Othmar. Means for sealing and rotatably mounting a rotary shaft in a liquid-filled container. 2,971,800, 2–14–61, Cl. 308—36.1.

Ruthroff, Clyde L., to Bell Telephone Laboratories, Inc. Low-loss microwave limiter. 2,981,837, 4–25–61, Cl. 250—20.

Ruthroff, Clyde L., to Bell Telephone Laboratories, Inc. Limiting in-phase, but not quadrature, sideband of strong carrier by selective loading action of a diode modulator at a hybrid termination of a branching network. 2,994,828, 8–1–61, Cl. 328—165.

Ruthruff, Robert F. Catalysis of the vapor phase partial oxidation of naphthalene to phthalic anhydride. 3,000,908, 9–19–61, Cl. 260—346.4.

Rutigliano, Carl A. Third wheel device. 2,981,552, 4–25–61, Cl. 280—150.5.

Rutishauser, Albert. Coupling device. 2,983,156, 5–9–61, Cl. 74—141.5.

Rutkovsky, Abraham and S., to Railex Corp. Article-storing and delivering apparatus with inclined article-supporting rack. 3,010,584, 11–28–61, Cl. 211—121.

Rutkovsky, Sam: *See*—
Rutkovsky, Abraham and S. 3,010,584.

Rutkus, John, Jr.: *See*—
Huber, Charles L., and Rutkus. 3,013,342.

Rutland Fire Clay Co.: *See*—
Perkins, Donald A. 2,981,449.

Rutledge, Thomas F., A. J. Buselli, and R. McNabney, to Air Reduction Co., Inc. Preparation of vinyl esters. 2,997,495, 8–22–61, Cl. 260—410.9.

Rutledge, Warren K.: *See*—
Kotermanski, Mitchell, and Rutledge. 2,997,735.

Rutschmann, Jurg, to Sandoz A.G. Amides and hydrazones of podophyllic acid and picropodophyllic acid. 2,977,359, 3–28–61, Cl. 260—240.

Rutschmann, Jurg, to Sandoz, A.G. Amides of podophyllic acid and picropodophyllic acid. 2,984,674, 5–16–61, Cl. 260—340.5.

Rutschmann, Jurg, and E. Schreier, to Sandoz Ltd. New basically substituted 6-methyl-ergolene derivatives. 3,014,909, 12–26–61, Cl. 260—285.5.

Rutt, William: *See*—
Michels, John H., and Rutt. 3,005,953.

Rutten, Louis D. Aerial insecticide dusting device. 2,986,360, 5–30–61, Cl. 244—136.

Rutten, Marion: *See*—
Rutten, Walter. 2,968,416.

Rutten, Walter, deceased (M. Rutten, L. Quinn, and J. J. Regan, executors). Silo lug. 2,968,416, 1–17–61, Cl. 217—95.

Rutter, Donald P., and A. E. Cimochowski, to Johns-Manville Corp. Apparatus for forming corrugations. 2,975,821, 3–21–61, Cl. 153—76.

Rutter, Francis J.: *See*—
Young, Leo, and Rutter. 2,991,435.

Rutter, William H., to Electro Chemical Engineering & Mfg. Co. Spray gun. 3,010,658, 11–28–61, Cl. 239—399.

Ruttgers, Ernesto B. Ball bearing clamping structure. 2,970,018, 1–31–61, Cl. 308—236.

Rutz, Richard F.: *See*—
Marinace, John C., and Rutz. 3,014,820.

Rutz, Richard F., to International Business Machines Corp. High speed, high current transistor. 2,981,874, 4–25–61, Cl. 317—235.

Rutz, Richard F., to International Business Machines Corp. Non commutative logical circuits. 2,986,653, 5–30–61, Cl. 307—88.5.

Rutz, Richard F., to International Business Machines Corp. Bistable transistor circuit using 6-terminal transistor which acts as two independent transistors. 2,988,652, 6–13–61, Cl. 307—88.5.

Rutz, Richard F., to International Business Machines Corp. Method of transistor manufacture. 2,989,426, 6–20–61, Cl. 148—1.5.

Rutz, Richard F., to International Business Machines Corp. Multiple collector transistors and circuits therefor. 2,992,337, 7–11–61, Cl. 307—88.5.

Rutz, Richard F., to International Business Machines Corp. Transistors and circuits therefor. 2,995,665, 8–8–61, Cl. 307—88.5.

Rutz, Richard F., to International Business Machines Corp. Transistor circuit element. 3,002,100, 9–26–61, Cl. 250—211.

Rutz, Richard F., to International Business Machines Corp. Back resistance control for junction semiconductor devices. 3,007,090, 10–31–61, Cl. 317—235.

Ruud Mfg. Co.: *See*—
Lyle, John M. 2,973,010.

Ruyak, Robert F., to Autoclave Engineers, Inc. Autoclave. 2,996,363, 8–15–61, Cl. 23—290.

Ruyle, William V.: *See*—
Chemerda, John M., Ruyle, and Chamberlin. 2,981,742.
Gains, Walter A., Sletzinger, and Ruyle. 3,014,043.
Sletzinger, Meyer, Ruyle, and Gaines. 2,995,566.

Ruyter, Klaas, to Shell Oil Co. Drawing and filamenting treatment of crystalline polymers. 3,007,765, 11–7–61, Cl. 18—54.

Ruzick, Victor, and H. C. Mix, to Machine Works, Inc. Hydraulic tracer valve. 2,994,502, 8–1–61, Cl. 251—3.

Růžicka, Jaroslav. Vibrating system. 2,974,798, 3–14–61, Cl. 209—365.

Ruzicka, Leopold, and O. Jeger, to Ciba Pharmaceutical Products Inc. New steroid compounds and process for their manufacture. 3,013,027, 12–12–61, Cl. 260—397.4.

Ruzicka, Leopold, R. Anliker, and H. Heusser, to Ciba Pharmaceutical Products Inc. 18-nor-steroids. 3,014,028, 12–19–61, Cl. 260—239.55.

Ryan Aeronautical Co.: *See*—
Bailey, Benjamin E., and Dell'Acqua. 2,967,284.
Baxter, John W. 3,007,372.
Baxter, John W., and David. 2,995,894.
Condie, Marion A., and Reel. 2,968,957.
David, Constant V. 2,968,921.
David, Constant V. 2,978,205.
Finnery, Rex G. 2,980,371.
Finvold, Rodger C. 3,012,180.
Fullerton, John R., Leech, and Heyser. 2,969,299.
Hurtt, Leon E., and Beach. 3,011,109.
Kline, Joseph D., and Holcomb. 2,980,853.
Mayberry, Ted R. 2,995,687.
Mitchell, Bruce, and Clark. 2,992,711.
Poirier, Jules H., Shaw, and Campbell. 2,987,664.
Price, Hillard S. 2,986,930.
Reeser, John F. 3,001,383.
Scott, John F., King, and Pazmany. 3,013,751.
Skoff, Ray. 3,009,318.

Ryan, Charles B. Structural coupling assembly. 3,007,727, 11–7–61, Cl. 287—54.

Ryan, Edgar F. Body exercising bench. 3,006,643, 10–31–61, Cl. 272—58.

Ryan, Edmund C. Agricultural machine for transporting, drying and mixing granular material. 3,000,107, 9–19–61, Cl. 34—102.

Ryan, Heri J. Line marker. 2,988,250, 6–13–61, Cl. 222—561.

Ryan, James F., Jr., and R. L. Tichenor, to E. I. du Pont de Nemours and Co. Process for spinning polyacrylanitrile filament having low degree of crimp and high crimp reversibility. 2,988,420, 6–13–61, Cl. 18—54.

Ryan, John F.: *See*—
Tegge, Bruce R., and Ryan. 2,996,492.

Ryan, John J., and P. J. Taylor, to Tootal Broadhurst Lee Co. Ltd. Formation of aldehyde condensation products. 3,006,784, 10–31–61, Cl. 117—161.

Ryan, John J., and P. J. Taylor, to Tootal Broadhurst Lee Co. Ltd. Aqueous resin solution catalyzed with two salts and process of impregnating fibers therewith. 3,006,879, 10–31–61, Cl. 260—29.3.

Ryan, John R.: *See*—
Blair, David R., Jr., and Ryan. 2,997,954.

Ryan, John W.: *See*—
Handler, Elliot, and Ryan. 2,990,987.

Ryan, John W. Toy shooting shell pistol. 2,977,950, 4–4–61, Cl. 124—2.

Ryan, John W. Percussive cap structure. 2,998,777, 9–5–61, Cl. 102—86.5.

Ryan, John W. Releasable fastener. 3,009,227, 11–21–61, Cl. 24—206.

Ryan, John W. Doll construction. 3,009,284, 11–21–61, Cl. 46—32.

Ryan, Joseph D., and P. T. Mattimoe to Libbey-Owens-Ford Glass Co. Glare screen. Re. 24,933, 2–7–61, Cl. 154—2.65.

Ryan, Kelly P., to Blair Mfg. Co., Inc. Farm implement. 2,994,388, 8–1–61, Cl. 172—635.

Ryan, Kelly P., to Blair Mfg. Co., Inc. Cattle feeder structure. 3,007,443, 11–7–61, Cl. 119—51.

Ryan, Matthew G., and A. C. Sheckler, to Carrier Corp. Thermoelectric apparatus for heating or cooling of fluids. 3,008,300, 11–14–61, Cl. 62—3.

Ryan, Mildred G.: *See*—
Stepat, Dorothy L., and Ryan. 2,987,831.

Ryan, Robert F.: *See*—
Kerr, Jack D., and Ryan. 3,009,873.

Ryan, Thomas J., to American Radiator & Standard Sanitary Corp. Toroidal chamber type fluid coupling with specific rotor design. 2,986,885, 6–6–61, Cl. 60—54.

Ryan, Thomas J., and R. M. Nelden, to American Radiator & Standard Sanitary Corp. Fluid drive rotor vane tie ring. 2,998,782, 9–5–61, Cl. 103—115.

Ryan, Walter H.: *See*—
Pearson, Daniel, and Ryan. 2,987,017.

Ryan, Wayne L. Preservation of cut flowers. 2,977,296, 3-28-61, Cl. 204—149.

Ryan, Wayne L. Device for determining the sensitivity of bacteria to antibiotics. 2,998,353, 8-29-61, Cl. 195—103.5.

Ryan, William. Time-setting device for watches. 2,995,888, 8-15-61, Cl. 58—80.

Ryan, William H.: *See*—
Grey, David S., Land, and Ryan. 2,991,690.

Ryan, William H., to Polarold Corp. Apparatus for and method of imbibition printing. 2,986,996, 6-6-61, Cl. 101—149.1.

Ryan, William H., to Polaroid Corp. Photographic products and processes. 3,003,875, 10-10-61, Cl. 96—63.

Ryan, William H., and H. C. Haas, to Polarold Corp. Light-polarizing film material and the process of preparation. 2,996,956, 8-22-61, Cl. 88—65.

Ryan, William P., and E. S. Wu, to Royal McBee Corp. By-pass arrangement for typewriter actions. 3,011,617, 12-5-61, Cl. 197—17.

Ryba, Anton, to Zahnradfabrik Friedrichshafen. Electromagnetic friction clutch. 2,998,877, 9-5-61, Cl. 192—84.

Rybold, Henry M., and O. J. Wiggins, to The Trane Co. Reel damper control. 2,974,582, 3-14-61, Cl. 98—106.

Rychlewski, Thaddeus V.: *See*—
Evans, Lyle W., and Rychlewski. 3,005,125.

Rychlewski, Thaddeus V., and R. F. Wilson, to Sylvania Electric Products Inc. Apparatus for the fabrication of image display screens. 2,976,838, 3-28-61, Cl. 118—321.

Rychlik, Robert F. Rapidly tunable magnetron. 2,992,361, 7-11-61, Cl. 315—39.61.

Ryck, Francis M., to General Motors Corp. Connector for windshield wiper blade. 2,977,141, 3-28-61, Cl. 287—20.

Ryck, Francis M., to General Motors Corp. Windshield wiper arm to shaft attachment. 2,983,532, 5-9-61, Cl. 287—53.

Ryck, Francis M., to General Motors Corp. Connector for windshield wiper blade. 3,007,190, 11-7-61, Cl. 15—250.32.

Ryck, Francis M., and E. M. Ziegler, to General Motors Corp. Windshield wiping system. 2,975,458, 3-21-61, Cl. 15—250.27.

Rydbeck, Olof E. H., and C. M. E. Stenhardt. Frequency addition and subtraction by means of auxiliary deflection electrodes in a cathode ray tube. 2,974,295, 3-7-61, Cl. 332—58.

Rydberg, George E., deceased (M. C. D. Cote, executrix), A. J. and P. C. Jacobs. Rotary piston internal combustion engine. 2,966,898, 1-3-61, Cl. 123—16.

Rydberg, Rudolph C. Self-levelling seat support. 2,966,937, 1-3-61, Cl. 155—5.

Ryder, Anthony J.: *See*—
Gardner, Karl A., Lode, and Ryder. 3,012,761.
Gardner, Raymond, Jr., and Ryder. 2,996,600.

Ryder, Charles F. Portable cable reel. 2,972,667, 2-21-61, Cl. 200—153.

Ryder, Donald P., and D. E. Wilson, to Western Electric Co., Inc. Component lead forming apparatus. 3,010,492, 11-28-61, Cl. 140—104.

Ryder, Fred A., to Chicago Carton Co. Collapsible carton. 2,990,099. 6-27-61, Cl. 229—39.

Ryder, Frederick L., to Simmonds Precision Products, Inc. Capacitance type fluid measuring apparatus. 2,981,105, 4-25-61, Cl. 73—304.

Ryder, Herman: *See*—
Carlsen, Earl W., Ryder, and Baum. 3,000,162.

Ryder, John E.: *See*—
Ferrara, John M., and Ryder. 3,013,963.
Ferrara, John M., and Ryder. 3,013,964.
Ferrara, John, and Ryder. 3,013,965.

Ryder, Robert C.: *See*—
Saunders, Kenneth W., Longfield, and Ryder. 2,989,544.

Rydin, Anders F. Artificial tooth making. 3,004,343, 10-17-61, Cl. 32—13.

Rydin, Björn, to Aktiebolaget Gummivafverlet. Brassiere. 2,988,086, 6-13-61, Cl. 128—480.

Ryer, Jack: *See*—
Christensen, Edward R., Ryer, and Hess. 3,000,810.
Fontaine, Marc F., Riordan, and Ryer. 2,967,143.

Ryerson, Creighton W. Jack. 2,973,939, 3-7-61, Cl. 254—97.

Ryerson & Haymes, Inc.: *See*—
Schmocker, Karl C. 2,966,872.

Rygelis, Joseph, and G. C. Mueller, to Avco Corp. Means for imposing pressure on toroid discs of variable transmissions. 2,971,390, 2-14-61, Cl. 74—200.

Ryker, Don W., to Olin Mathieson Chemical Corp. Ammunition propellant. 2,970,899, 2-7-61, Cl. 52—1.

Ryker, Don W., and G. R. Cox, to Olin Mathieson Chemical Corp. Propellent powder. 2,973,257, 2-28-61, Cl. 52—6.

Rykoskey, Francis B., and W. A. Mullen. Railway axle journal bearing. 2,969,259, 1-24-61, Cl. 308—79.1.

Ryland, Lloyd B., and C. Z. Morgan, to Shell Oil Co. Dehydrogenation process. 3,006,975, 10-31-61, Cl. 260—669.

Rylander, Paul N.: *See*—
Pfefferle, William C., and Rylander. 2,972,642.
Pfefferle, William C., and Rylander. 2,989,574.

Rylands Bros. Ltd.: *See*—
Sansum, Robert D. 3,002,445.

Rylock Co., Ltd.: *See*—
Rust, David J., and Jensen. 2,980,947.

Rymland, Murray J. Spring cushion assembly. 2,993,215, 7-25-61, Cl. 5—270.

Rymland, Murray J. Mattress. 3,009,171, 11-21-61, Cl. 5—252.

Rynders, Robert D.: *See*—
Miller, George B., and Rynders. 2,969,646.

Rynders, Robert D., and E. O. Brannon, to Racine Hydraulics & Machinery, Inc. Flow governing hydraulic system. 2,975,717, 3-21-61, Cl. 103—120.

Ryno, Juddson B.: *See*—
Casey, Charles L., and Ryno. 2,973,958.

Ryon, William H.: *See*—
McGregor, Clifton P., and Ryon. 2,980,046.

Ryschkewitsch, George E., to Olin Mathieson Chemical Corp. Preparation of liquid alkylated pentaborane-9. 2,971,031, 2-7-61, Cl. 260—606.5.

Ryschkewitsch, George E., to Olin Mathieson Chemical Corp. Preparation of liquid alkylated pentaborane-9. 2,983,760, 5-9-61, Cl. 260—606.5.

Ryser, Ernst, to B. Voumard. Slider for a slide fastener. 3,013,319. 12-19-61, Cl. 24—205.14.

Ryser, Gottlieb: *See*—
Guex, Waldemar, Isler, Rüegg, and Ryser. 3,014,052.
Guex, Waldemar, Isler, Rüegg, and Ryser. 3,014,053.
Pendse, Hrishikesh, Ruegg, and Ryser. 3,004,040.

Ryser, Leo W., W. W. White, J. D. Brown, and H. A. Franklin, to Peter Klewit Sons' Co., Inc. Apparatus for forming concrete piles. 2,986,008, 5-30-61, Cl. 61—53.64.

Ryshkewitch, Eugene L., and H. Taylor, to United States Ceramic Tile Co. Ceramic tool material. 2,979,414, 4-11-61, Cl. 106—44.

Rystrom, Charles H. Pumping system. 2,974,600, 3-14-61, Cl. 103—11.

Rysti, Alpo, to Oy. Kaukas Ab. Arrangement for piling of lumber in layers for drying. 2,998,147, 8-29-61, Cl. 214—6.

Ryznar, John W., to Nalco Chemical Co. Brake element. 2,971,615, 2-14-61, Cl. 188—256.

Ryznar, John W., to Nalco Chemical Co. Process for the production of silica organosols. 3,004,920, 10-17-61, Cl. 252—309.

Rzeppa Ltd.: *See*—
Cull, William. 3,012,421.

Rzonca, Stanley C.: *See*—
Janeczko, Edward J., and Rzonca. 3,009,067.

S.A. Plastus: *See*—
Orsini, Rene. 3,006,257.

S.A.S.I.B.-S.p.A. Scipione Innocenti-Bologna: *See*—
Innocenti, Scipione. 2,991,879.

S.A.S. Lavorazione Materie Plastiche (L.M.P.) di M. I. Colombo & C.: *See*—
Colombo, Roberto. 2,968,836.
Colombo, Roberto. 2,975,472.

S B & S Mfg. Co.: *See*—
Smith, Alexander, and Baggs. 2,974,735.

S & C Electric Co.: *See*—
Barta, Henry J. 2,978,558.
Chabala, Leonard V., and Jelinek. 3,015,008.
Lindell, Sigurd I. 2,976,381.
Mikos, John J. 2,985,737.
Mikos, John J., and Chabala. 2,989,603.

S & C Mfg. Co.: *See*—
Starbuck, Herman S., and Liebelt. 3,006,436.

S.E.C.I.-Societa Elettrotecnica Chimica Italiana S.p.A.: *See*—
Canegallo, Giovanni. 3,006,785.

S. & F. Mfg. Co., Inc.: *See*—
Fowlds, Clinton H. 2,980,259.

S.I.A.T.E.M. Societa Italiana Apparecchi Termo-Elettro-Meccanici Societa per Azioni: *See*—
Di Pieri, Ciro. 2,966,792.

SKF Industries, Inc.: *See*—
Morrison, Thomas W. 2,997,791.
Spence, Thomas E. 3,013,327.
Spence, Thomas E., and Smith. 2,998,636.

SKF Kugellagerfabriken Gesellschaft mit beschrankter Haftung: *See*—
Breitenbach, Karl-Heinz. 2,982,083.
Hentschke, Alfons. 3,003,827.
Rogner, Ernst. 2,973,229.
Schrotz, Kurt. 2,984,873.
Schrotz, Kurt. 3,006,036.
Sommer, Walter. 2,991,513.
Sommer, Walter. 3,008,194.
Sommer, Walter, and Schmidt. 2,972,787.

S.L.F. Engineering Co.: *See*—
Fuhrmann, Hans. 2,995,425.

S.O.B.E.M. Societe de Brevets et d'Etudes de Moteurs: *See*—
Lieberherr, Hans U. 2,989,840.

S.p.A. Fratelli Borletti: *See*—
Moro, Antonio. 2,983,531.

S.p.A. Officina Meccanica Sant'Andrea Novara: *See*—
Bettolo, Aroldo R. 3,006,037.

S.p.A. Vetrocoke: *See*—
Giammarco, Giuseppe. 2,993,750.

S & S Corrugated Paper Machinery Co., Inc.: *See*—
Shields, Albert F. 2,974,572.
Shields, Albert F. 2,982,189.
Shields, Albert F. 2,988,236.

S & S Industrial Products, Inc.: *See*—
Senkewitz, John S. 3,009,245.

S & S Vending Machine Co.: *See*—
Smith, William J. 2,970,026.

S.S.S. Gears Ltd.: *See*—
Sinclair, Harold, and Clements. 2,986,249.
Sinclair, Harold, and Short. 2,971,621.
Short, Philip J. 3,008,560.
S.U. Carburetter Co. Ltd.: *See*—
Morris, John N., and McCaul. 2,967,520.
Morris, John N., and Truax. 3,008,653.
SVII, narodni podnik: *See*—
Kyselak, Eduard, and Kocourek. 2,978,094.
SWF-Spezialfabrik fur Autozubehor Gustav Rau G.m.b.H.: *See*—
Bock, Willy, and Probaska. 2,990,561.
Bock, Willy, Prohaska, and Kohler. 3,008,649.
Schrade, Eugen, and Bock. 3,011,199.
Saar, Robert P., to Henry Pratt Co. Resilient valve seat liner. 2,991,043, 7–4–61, Cl. 251—306.
Saari, Oliver E., to Illinois Tool Works. Gear finishing apparatus. 2,996,847, 8–22–61, Cl. 51—26.
Saari, Veikko R., to Bell Telephone Laboratories, Inc. Automatic gain control circuit. 2,971,164, 2–7–61, Cl. 330—145.
Saarinen, Eero. Table with hollow central pedestal support. 2,981,578, 4–25–61, Cl. 311—101.
Saarivirta, Matti J., A. A. K. Booth, Jr., and J. J. Burgmeister to American Metal Climax, Inc. Process for improving the quality of copper-zirconium alloy castings. 2,976,192, 3–21–61, Cl. 148—3.
Saastamo, Armas. Toys. 2,993,296, 7–25–61, Cl. 46—47. 115, 7–11–61, Cl. 99—159.
Sabath, Martin C.: *See*—
Scribner, Kenneth R., and Sabath. 2,980,103.
Sabatini, John J., to The Bendix Corp. Starter gearing for internal combustion engines. 2,996,924, 8–22–61, Cl. 74—7.
Sabatt, Charles. Clutch for presses and the like. 2,973,849, 3–7–61, Cl. 192—67.
Saben, Benjamin, Jr. to Gadget-Of-The-Month Club, Inc. Mirror-mounted auxiliary object holder. 2,990,637, 7–4–61, Cl. 40—10.
Sabine, Hale J., to The Celotex Corp. Acoustical correction element. 2,966,954, 1–3–61, Cl. 181—33.
Sabine, Hale J., to Meridan Corp. Electronic piano. 2,983,177, 5–9–61, Cl. 84—1.16.
Sabine, Hale J., to The Celotex Corp. Composite sound absorber. 2,990,027, 6–27–61, Cl. 181—33.
Sabins Dohrmann, Inc.: *See*—
Sabins, Rolland C. 2,978,400.
Sabins, Rolland C., to Sabins Dohrmann, Inc. Reference half cell assembly. 2,978,400, 4–4–61, Cl. 204—195.
Sabins, Rolland C. Electrolytic system. 2,982,714, 5–2–61, Cl. 204—196.
Sabins, Rolland C. Control system and method. 2,986,512, 5–30–61, Cl. 204—196.
Sabins, Rolland C. Control system and method. 2,987,461, 6–6–61, Cl. 204—196.
Sabins, Rolland C., 45% to B. Dohrmann, and 10% to A. K. Lindsay. Control system. 2,998,371, 8–29–61, Cl. 204—196.
Sabins, Rolland C. Cathodic protection system. 3,004,905, 10–17–61, Cl. 204—147.
Sabiston, Malcolm R., to Sanganio Electric Co. Through type transformer. 2,972,723, 2–21–61, Cl. 336—175.
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Sabol, Albert R., to Standard Oil Co. Lubricant composition containing non-corrosive sulfurized terpenes. 2,976,239, 3–21–61, Cl. 252—32.7.
Sabol, Albert R., E. W. Blaha, and R. E. Karll, to Standard Oil Co. Lubricant additive and composition containing same. 3,002,924, 10–3–61, Cl. 252—32.7.
Sabol, Albert R., E. W. Blaha, and R. E. Karll, to Standard Oil Co. Lubricant additive and composition containing same. 3,002,925, 10–3–61, Cl. 252—32.7.
Sabol, Alexander P. Apparatus for obtaining nitrogen dioxide from nitrous oxide. 2,974,019, 3–7–61, Cl. 23—284.
Sabre Research Corp.: *See*—
Thompson, Tom H. 2,973,015.
Sahy, John S., to General Electric Co. Broad area transistors. 2,999,195, 9–5–61, Cl. 317—235.
Sacchini, Columbus R., and D. R. Tomko, to Curtiss-Wright Corp. Spring clutch mechanism. 2,968,380, 1–17–61, Cl. 192—81.
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Sacco, Victor. 2,980,295.
Sacco, Victor, ½ to J. Sacco. Liquid-delivering-and-metering apparatus and method. 2,980,294, 4–18–61, Cl. 222—66.
Sacco, Victor, ½ to J. Sacco. Liquid-pumping apparatus and method. 2,980,295, 4–18–61, Cl. 222—66.
Saccone, John V., to Gemex Precision Metals, Inc. Combination hub cap and air valve lock. 2,978,896, 4–11–61, Cl. 70—231.
Sachers, Fritz E., to Worthington Corp. Adjustable motor mount. 2,967,688, 1–10–61, Cl. 248—23.
Sachs, Henry. Power can opener. 2,968,094, 1–17–61, Cl. 30—4.
Sachs, Melvin H. Diving mask. 3,010,108, 11–28–61, Cl. 2—14.
Sachs, Samuel, and F. Kastel. Visual composing and optical recording machine. 3,003,406, 10–10–61, Cl. 95—4.5.
Sack, Edgar A., Jr.: *See*—
Wolfe, Peter N., and Sack. 2,988,646.
Sack, Edgar A., Jr., to Westinghouse Electric Corp. Display device. 2,969,481, 1–24–61, Cl. 315—169.
Sackett, A. J., & Sons Co., The: *See*—
Sackett, Augustus J., Jr. 2,973,191.
Sackett, Augustus J., Jr., to The A. J. Sackett & Sons Co. Dryer for fertilizer and the like. 2,973,191, 2–28–61, Cl. 263—33.
Sackett, Loren C., to B. Walker. Micro-timer. 2,985,011, 5–23–61, Cl. 73—116.
Sackman, August E. Bow with arrow rest. 2,998,811, 9–5–61, Cl. 124—24.
Sackner Products, Inc.: *See*—
Cook, Wayne S., and Hormuth. 2,980,570.
Sacks, Edward I.: *See*—
Shanahan, William J., Vetter, and Sacks. 2,983,781.
Shanahan, William J., Vetter, and Sacks. 3,011,015.
Sacks, Edward J. Linoleum display rack. 2,996,191, 8–15–61, Cl. 211—44.
Sacks, Jacob M., and E. R. Hill, to United States of America, Navy. Transistorized time multiplexer for telemetering. 2,981,800, 4–25–61, Cl. 179—15.
Sacks, Lawrence E.: *See*—
Alderton, Gordon, and Sacks. 3,009,861.
Sacks, Lawrence E., to United States of America, Agriculture. Process of using bacterial spores as indicator system for determination of antibacterial activity. 2,967,132, 1–3–61, Cl. 195—103.5.
Saco-Lowell Shops: *See*—
Edfors, Sven E. 2,977,642.
West, Paul B., and Anderson. 2,983,967.
Sadel, Leo. Eyeglass attachment. 3,010,365, 11–28–61, Cl. 88—52.
Sadler, Harry J.: *See*—
Cook, Ernest E., and Sadler. 2,998,827.
Sadler, John W. Fluid cooling apparatus. 2,979,309, 4–1–61, Cl. 257—195.
Sadler, Peter, to N.G.N. Electrical Ltd. Rotary pump valve. 2,998,826, 9–5–61, Cl. 137—512.4.
Sadoff, Bernard J., Jr.: *See*—
Allen, Arthur C., Bjorn, and Sadoff. 2,991,395.
Sadoski, Tadius T.: *See*—
Adams, Alfred B., and Sadoski. 2,995,534.
Sadowski, Norbert: *See*—
Byrnes, Richard J., Montgomery, and Sadowski. 2,988,196.
Byrnes, Richard J., and Sadowski. 2,985,274.
Sadwith, Howard M., to Industrial Washing Machine Corp. Automatic cleaning and drying machine. 2,966,914, 1–3–61, Cl. 134—68.
Saegebarth, Klaus A., to E. I. du Pont de Nemours and Co. Heterocyclic organoborines. 3,008,997, 11–14–61, Cl. 260—606.5.
Saegebarth, Klaus A., to E. I. du Pont de Nemours and Co. Polymeric organoborines. 3,014,075, 12–19–61, Cl. 260—606.5.
Saeks, Alvin L., to The Puro Co., Inc. Toilet bowl deodorizers. 2,985,377, 5–23–61, Cl. 239—57.
Saenz, Henry H., to American-Marietta Co. Dust mop. 2,973,540, 3–7–61, Cl. 15—229.
Saer, George: *See*—
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Safar, Peter, and M. C. McMahon, to Johnson & Johnson. Airway. 3,013,554, 12–19–61, Cl. 128—29.
Safe, Inc.: *See*—
Covert, Kenneth B. 2,973,040.
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Hegman, Robert L., and Hess. 2,979,086.
Safeguard Corp.: *See*—
Bell, Vincent G., Jr. 2,991,843.
Safeguard Mfg. Co.: *See*—
Vilkaitis, Hugo L. 2,978,084.
Safe-Pack Container Co.: *See*—
Karl, Clarence O. 3,004,694.
Safetee Glass Co.: *See*—
Worrall, Arthur G. 2,991,209.
Safety First Products Corp.: *See*—
Seaberg, Ernest E. 3,010,521.
Safety Sake Enterprises, Inc.: *See*—
Garvin, John C. 2,969,605.
Safeway Stores, Inc.: *See*—
Goldwater, Robert, and Calhoun. 2,980,758.
Saffer, John L., to Chrysler Corp. Adjustable seat mount. 3,001,756, 9–26–61, Cl. 248—394.
Safford, Thomas W., to Arcoa, Inc. Connector for connecting a branch wire to a current conducting through wire. 2,981,921, 4–25–61, Cl. 339—97.
Safianoff, Albert: *See*—
Lerner, Louis L., Goff, and Safianoff. 2,966,913.
Lerner, Louis L., and Safianoff. 2,975,465.
Safianoff, Albert, to Gem Inc. Connection device. 2,975,004, 3–14–61, Cl. 306—19.
Safranek, William H., to United States of America, Army. Chromium alloy plating. 2,990,343, 6–27–61, Cl. 204—43.
Safranek, William H., and H. R. Miller, to American Zinc Institute. Zinc electroplating. 3,005,759, 10–24–61, Cl. 204—55.
Saf-T-Boom Corp.: *See*—
Thomas, Arthur J. 2,989,194.
Sagady, Alexander J.: *See*—
Kolbe, William H., and Sagady. 2,988,345.
Sagal, John, Jr.: *See*—
Allen, Charles F. H., Lowe, and Sagal. 2,983,610.
Sagar, Alan J. A.: *See*—
Ferguson, Harold M., Stevens, and Sagar. 2,975,400.
Sagasser, Kurt: *See*—
Bezemer, Arie, and Sagasser. 2,987,373.
Sage, Bruce H.: *See*—
Eastman, du Bois, and Sage. 3,000,711.

Sage, Warnie L.: *See*—
Gram, Arthur J., Jr., and Sage. 2,982,235.
Sage, Warnie L., to The Babcock & Wilcox Co. Cyclone furnace. 2,971,480, 2–14–61, Cl. 110—28.
Sagenkahn, Malcolm L.: *See*—
Dodge, Richard G., and Sagenkahn. 3,008,880.
Sager, Abraham G., to Paramount Wedding Ring Co. Inc. Imprinting machine. 2,976,799, 3–28–61, Cl. 101—6.
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Pearce, James G., Sager, and Sowers. 2,968,749.
Sager, Reinbert. Christmas-tree stands. 2,994,498, 8–1–61, Cl. 248—44.
Sagers, Donald L.: *See*—
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Saginaw Wire Products, Inc.: *See*—
Fisher, Andrew J., Jr. 2,995,155.
Sagita, Toshio: *See*—
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Sagmo, Kenneth R.: *See*—
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Sagona, Charles. Article for use in an electrical switch device or in a thermostatically-controlled mechanism. 2,968,708, 1–17–61, Cl. 200—113.
Sagura, John J.: *See*—
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Sahagian, Edward: *See*—
Pennala, Arthur B., Sahagian, and Straub. 2,997,775.
Sahagian, Edward H. Stabilizing means for the air springs of an automobile. 2,976,054, 3–21–61, Cl. 280—124.
Sahagun, Armen N., to Pacific Semiconductors, Inc. Pin material for glass seal semiconductor rectifier. 2,970,248, 1–31–61, Cl. 317—236.
Sahler, Wilhelm, to Keuffel & Esser Co. Heat sensitive reproduction sheet, method of making and method of using. 2,999,035, 9–5–61, Cl. 117—36.
Sahlin, Richard A.: *See*—
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Sahlin, Richard A., to Remington Arms Co., Inc. Spinning punch. 2,981,137, 4–25–61, Cl. 86—32.
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Sala A.G.: *See*—
Linder, Eduard, and Weber. 2,982,900.
Saifuku, James F. Pineapple plant orienter. 2,992,720, 7–18–61, Cl. 198—33.
Saifuku, James F. Pineapple planter. 3,005,425, 10–24–61, Cl. 111—3.
Saila, Samuel N. Motion picture projection screen of the front projection type. 2,968,219, 1–17–61, Cl. 88—28.9.
Saijo, Genzo. Rotating mechanism of main shaft of oil engine. 2,990,820, 7–4–61, Cl. 123—43.
Saint, David, to Graco Metal Products, Inc. Toy cradles and driving mechanisms therefor. 2,998,612, 9–5–61, Cl. 5—109.
Saint, David, and C. L. Reed, to Graco Metal Products, Inc. Motor driven cradles and the like. 2,979,734, 4–18–61, Cl. 5—109.
St. Armour, John P. Hole location gauge. 2,998,656, 9–5–61, Cl. 33—178.
St. Clair, Maurice W., to Varian Associates. Temperature compensated cavity resonator. 2,996,690, 8–15–61, Cl. 333—83.
St. Clair, Maurice W., to Varian Associates. Cavity resonator methods and apparatus. 3,008,102, 11–7–61, Cl. 333—33.
Saint Clair, Maurice W., and R. S. Spencer. Swimming pool cleaning method and apparatus. 2,979,733, 4–18–61, Cl. 4—172.
St. Clair Specialty Mfg. Co.: *See*—
La Sarre, Elmer F. 3,013,367.
St. Clair, Theodore A.: *See*—
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St. Clair, Theodore A., to The Weatherhead Co. Automatic regulator assembly. 3,001,541, 9–26–61, Cl. 137—113.
St. Clair, Theodore A., and E. L. Greenhill, to The Sprague Meter Co. Gas impervious diaphragm. 2,976,726, 3–28–61, Cl. 73—279.
St. Clair, William E.: *See*—
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St. Clair, William E., and R. H. Moult, to Koppers Co., Inc. Curable aliphatic polyepoxide compositions. 2,981,701, 4–25–61, Cl. 260—18.
St. Clair, William E., and R. H. Moult, to Koppers Co., Inc. Curable epoxy phenol aldehyde-aliphatic polyepoxide compositions. 2,981,702, 4–25–61, Cl. 260—19.
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Boussu, Gabriel X. R., Neuville, and Saint Frison. 2,966,933.
Boussu, Gabriel X. R., and Saint-Frison. 3,002,549.
St. Germain, William A. Earth bit driver. 3,000,453, 9–19–61, Cl. 175—207.
St. John, Dale E. Electronic timer. 2,981,898, 4–25–61, Cl. 331—112.
St. John, Grant E., to Bell Telephone Laboratories, Inc. Low-noise electron gun. 2,985,789, 5–23–61, Cl. 315—3.5.
St. John, Michael J., to Federal Pacific Electric Co. Sequence bus panelboard. 2,997,628, 8–22–61, Cl. 317—119.
St. John, Wayne L., to The Procter & Gamble Co. Detergent compositions. 2,985,592, 5–23–61, Cl. 252—137.
St. Johns Motor Express Co.: *See*—
Larsen, Louis F. 2,986,424.
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Phillips, Ronald W. 2,971,306.
St. Luke's Hospital: *See*—
Way, Frederick. 3,007,584.
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St. Martin, Thomas R. Electrically driven random indicium selector. 2,998,252, 8–29–61, Cl. 273—143.
St. Pierre, Henry. Automatic tightener for tire chains. 2,976,902, 3–28–61, Cl. 152—217.
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Carlson, Willard E. 2,998,344.
Fischer, John C., and Andrews. 2,991,898.
Fischer, John C., and Lovell. 3,014,631.
Groleau, Joseph E. H. L. 2,982,995.
Hamilton, Russell W. 2,996,425.
Havemann, Robert A., and Brown. 2,993,314.
Jensen, Thormod. 2,972,369.
Jensen, Thormod. 2,978,007.
Jensen, Thormod, and Clock. 2,991,823.
La Fave, Francis G. 2,977,038.
Swanson, Elmer G., and Reid. 2,995,290.
Swanson, Elmer G., and Reid. 2,995,291.
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St. Simon's Church, Most Reverend Henry J. Grimmelsman, Bishop of the Roman Catholic Diocese: *See*—
Graham, Ziba F. 2,972,819.
Sair, Louis, to The Griffith Laboratories. Production of meat emulsions. 2,992,116, 7–11–61, Cl. 99—159.
Sair, Louis, to The Griffith Laboratories, Inc. Method of extracting protein from defatted soybean material. 3,001,875, 9–26–61, Cl. 99—17.
Sair, Louis, and S. L. Komarik, to The Griffith Laboratories, Inc. Production of meat emulsions and products. 2,992,
Saito, Makoto: *See*—
Nakagawa, Osamu, and Saito. 3,006,992.
Saito, Tsutoo: *See*—
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Saj, Stanley. Heat transfer device. 2,989,290, 6–20–61, Cl. 257—130.
Sajben, Miklos, to Westinghouse Electric Corp. Seal apparatus. 2,996,282, 8–15–61, Cl. 253—78.
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Sakaitis, Clement A., and O. R. Harping, to The Sheffield Corp. Gaging device. 2,995,825, 8–15–61, Cl. 33—172.
Sakalay, Fred E., to International Business Machines Corp. Typewriting calculating machine. 3,008,635, 11–14–61, Cl. 235—60.12.
Sakalay, Fred E., and D. E. Elder, to International Business Machines Corp. Numeric information storage and translation system. 3,011,710, 12–5–61, Cl. 235—159.
Sakamoto, Kyugoro. Automatic stop device in power looms. 3,012,589, 12–12–61, Cl. 139—376.
Sakano, Takeshi, A. Masuda, K. Toda, and Y. Atobe, to Mitsubishi Kinzoku Kogyo Kabushiki Kaisha. Corrosion preventive galvanic anode zinc alloy. 2,982,705, 5–2–61, Cl. 204—148.
Sakson, Paul J., to General Precision, Inc. Multivibrator controlled servo mechanism. 3,004,199, 10–10–61, Cl. 318—28.
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Sala, William E., to Eaton Mfg. Co. Window operating mechanism. 2,987,937, 6–13–61, Cl. 74—505.
Salada-Shirriff-Horsey, Inc.: *See*—
Benjamin, Allie C. 2,991,181.
Salamonovich, George M.: *See*—
McDaniel, George A., and Salamonovich. 2,972,095.
Salani, Raymond J., Jr.: *See*—
Dayger, Jonas E., Salani, and Babel. 2,995,297.
Salathiel, Richard A.: *See*—
Prokop, Charles L., Graham, and Salathiel. 2,967,150.
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Salem-Brosius, Inc.: *See*—
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Vogell, Harry E. 2,976,854.
Salem Engineering Ltd.: *See*—
Lawson, John J. 2,968,424.
Salem, Samuel, and D. W. Anderson, to The General Tire & Rubber Co. Method of bonding synthetic high polymers to polyurethane elastomers. 2,976,202, 3–21–61, Cl. 154—139.

Salem, Samuel, and R. H. Spelman, to The General Tire & Rubber Co. Method of vulcanizing nylon tires. 3,002,228, 10–3–61, Cl. 18—53.

Salem Tool Co., The: *See*—
Adams, George L. 2,967,724.
Adams, George L. 2,979,320.

Salensky, George A., to A. Gusmer, Inc. Coating compositions and methods. 2,974,121, 3–7–61, Cl. 260—47.

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McDonough, Everett G., and Edman. 2,990,832.

Saletzki, Jacob S.: *See*—
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Salgo, Leslie, and J. A. Kitchen, to Joseph Lucas (Industries, Ltd. Gaseous fuel combustion apparatus. 3,005,485, 10–24–61, Cl. 158—7.

Salhofer, Josef F., to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of foils of thermoplastic, at least partially crystalline organic polymers on a calender. 3,007,207, 11–7–61, Cl. 18—57.

Sallaris, George P., to Ranco Inc. Temperature control apparatus. 2,973,903, 3–7–61, Cl. 236—42.

Salicam, Compagnie Saliniere de la Camargue: *See*—
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Salihi, Jalal T., to Lenkurt Electric Co., Inc. Inband signaling system. 2,971,062. 2–7–61. Cl. 179—84.

Salisbury, Clifford A. Check valve. 3,001,546, 9–26–61, Cl. 137—541.

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Salisbury, Winfield W., to Zenith Radio Corp. Radio astronomy antenna having spherical reflector formed integral with earth's surface. 2,976,533, 3–21–61, Cl. 343—755.

Salka, Ludovit. Collapsible travel commode. 2,974,321, 3–14–61, Cl. 4—134.

Salka, Ludovit. Thumtack having a concave top face. 3,009,382, 11–21–61, Cl. 85—16.

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Sallay, Béla: *See*—
Pintér, János E., and Sallay. 2,990,372.

Sallie, Stanley H., to Bird & Son, Inc. Method and apparatus for spreading particles. 3,014,812. 12–26–61, Cl. 117—24.

Sallmann, Richard, to Ciba Ltd. Method for combating pests and preparations suitable therefor. 2,995,486, 8–8–61, Cl. 167—22.

Salmi, John V.: *See*—
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Salmi, John V., to United States Steel Corp. Device for handling a repair piece for a furnace. 2,969,884, 1–31–61, Cl. 214—26.

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Salminen, Wilho M., and W. J. Weyerts, to Eastman Kodak Co. Film products having pectin layers. 2,968,582, 1–17–61, Cl. 117—144.

Salmon, Benjamin, and J. H. Bertin, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Flame spreading device for combustion equipments. 2,979,899, 4–18–61, Cl. 60—39.72.

Salmon, Benjamin J. M., and J. H. Bertin, to Societe Bertin & Cie. Jet operated device for circulating or compressing a fluid. 3,001,691, 9–26–61, Cl. 230—108.

Salmon, Clarence P., to Flexonics Corp. Pressure-insensitive automotive thermostat valve. 2,980,335, 4–18–61, Cl. 236—34.

Salmon, Clarence P., and J. W. Farmer, to Flexonics Corp. Valve. 2,981,475, 4–25–61, Cl. 236—34.

Salmon, Clarence P., and J. W. Farmer, to Flexonics Corp. Thermostatically controlled coiled spring valve. 2,981,476, 4–25–61, Cl. 236—34.

Salmon, Clarence P., to Flexonics Corp. Thermostat valve. 2,981,477, 4–25–61, Cl. 236—34.

Salmon, Clarence P., to Flexonics Corp. Thermostat valve. 2,981,478, 4–25–61, Cl. 236—34.

Salmon, Joe E., to Continental Gin Co. Lint cotton cleaner. 3,004,299, 10–17–61, Cl. 19—67.

Salmon, Joe E., to Continental Gin Co. Lint cotton cleaner. 3,014,247, 12–26–61, Cl. 19—67.

Salmon, John. Root crop harvesting machines. 2,995,193, 8–8–61, Cl. 171—20.

Salnikov, Ivan S., and R. L. Cannaday, to Jersey Production Research Co. Electric cable drum for rotary drilling. 3,007,534, 11–7–61, Cl. 175—104.

Salo, Martin: *See*—
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Salome, Victor: *See*—
André, Edmond. 3,010,437.

Salomon, Salomon M.: *See*—
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Salter, James A., to Ranco Inc. Reversible heat pump system. 2,969,655, 1–31–61, Cl. 62—324.

Salter, Leslie P., Jr., and D. E. Thomas, Jr., to Esso Research and Engineering Co. Pump and packing. 2,966,859, 1–3–61, Cl. 103—111.

Salterbach, Phillp C., to X-Port Oils, Inc. Filter screen installation. 2,996,189, 8–15–61, Cl. 210—155.

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Saltman, William M., to The Goodyear Tire & Rubber Co. Methods of preparing 1,4 trans polyisoprene. 3,008,945, 11–14–61, Cl. 260—94.3.

Salto, Rinaldo, to Ing. C. Olivetti & C., S.p.A. Variable spacing mechanism for typewriters. 2,972,401, 2–21–61, Cl. 197—84.

Salton, Lewis L. Electric food warmers. 2,976,386, 3–21–61, Cl. 219—19.

Saltz, Fred: *See*—
Jackowski, Charles S., and Saltz. 2,969,729.

Saltz, Fred, and H. J. Lombard, Jr. Mathematical instrument. 2,996,803, 8–22–61, Cl. 33—1.

Saltz, Fred, and W. J. Wheeler, to International Business Machines Corp. Card feeding machine. 2,991,074, 7–4–61, Cl. 271—29.

Saltz, Julian, to Radio Corp. of America. Signal-responsive circuit. 3,008,054, 11–7–61, Cl. 307—88.

Saltz, Morris A. Drapery hook dispensing and inserting apparatus. Re. 24,929, 1–24–61, Cl. 1—1.

Saltzman, Henry, and M. Westheimer, to General Precision, Inc. Antenna scanning system. 3,008,142, 11–7–61, Cl. 343—77.

Saltzman, Ronald: *See*—
West, Charles P., Leiner, and Saltzman. 3,006,893.

Salustri, Giacomo. Water pipe protective device. 3,009,483, 11–21–61, Cl. 138—109.

Salvatore, Albert D. Casting core wire removing implement. 3,007,218, 11–7–61, Cl. 22—185.

Salvin, Victor S., B. S. Sprague, and F. Fortess, to Celanese Corp. of America. Textile treating. 2,982,597, 5–2–61, Cl. 8—59.

Salyer, Ival O.: *See*—
Slocombe, Robert J., and Salyer. 2,988,530.
Yanko, William H., Steingiser, and Salyer. 2,973,292.

Salyer, Ival O., and A. S. Kenyon, to Monsanto Chemical Co. Stabilized polymer of 2 to 3 carbon atoms. 2,985,617, 5–23–61, Cl. 260—45.7.

Salyer, Ival O., A. S. Kenyon, and H. P. Holladay, to Monsanto Chemical Co. Injection molding of crystalline polystyrene. 3,009,206, 11–21–61, Cl. 18—55.

Salz, Harvey: *See*—
Sard, Eugene W., and Salz. 2,968,797.

Salzberg, Bernard. Semiconductor apparatus. 2,991,366, 7–4–61, Cl. 250—83.3.

Salzberg, Edward, to Microwave Development Laboratories, Inc. Microwave hybrid junctions. 2,973,486, 2–28–61, Cl. 333—9.

Salzberger, Andreas, to Torpedo Bueromaschinen Werke Aktiengesellschaft. Device for adjusting a typewriter platen. 2,986,259, 5–30–61, Cl. 197—149.

Salzer, Adolf. Field telephone. 2,976,369, 3–21–61, Cl. 179—84.

Sälzer, Albert: *See*—
Henkel, Heinrich, and Sälzer. 2,993,964.

Salzer, Erwin, to The Chase-Shawmut Co. Protection for semiconductor power diodes. 2,979,644, 4–11–61, Cl. 317—234.

Salzer, Erwin, to The Chase-Shawmut Co. Semiconductor diode protection. 3,005,945, 10–24–61, Cl. 321—11.

Salzman, Edwin W.: *See*—
Zuidema, George D., Edelberg, and Salzman. 2,989,051.

Salzman, Samuel, to Allied Record Mfg. Co. Automatic stock-mold and curing press. 2,992,455, 7–18–61, Cl. 18—5.3.

Salzwedel, Arden L., to Gisholt Machine Co. Mandrel assembly for seal applying machine. 2,986,860, 6–6–61, Cl. 53—292.

Sam, Joseph, to McNeil Laboratories, Inc. 2-amino-6-chlorobenzoxazole and pharmaceutically acceptable salts 2,978,458, 4–4–61, Cl. 260—307.

Samac Corp.: *See*—
McFarland, John A. 2,991,713.

Samaniego, Jose A., and H. C. Ries, to Shell Oil Co. Fluid mixer with rotating baffles. 3,013,866, 12–19–61, Cl. 23—270.5.

Samburoff, Serge N.: *See*—
Riordan, Hugh E., Samburoff, and Baughman. 2,981,187.

Samcoe Holding Corp.: *See*—
Catallo, Frank. 2,998,327.

Samdahl, Roger D.: *See*—
Winstrom, Leon O., Samdahl, and Perch. 2,976,320.

Samelson, Richard J.: *See*—
Hungerford, Fulton H., and Samelson. 3,004,831.

Samesreuther, Eckard: *See*—
Samesreuther, Reinhard and E., Strittmatter, and Schneider. 2,974,725.

Samesreuther, Reinhard and E., W. Strittmatter, and R. Schneider, to Farbenfabriken Bayer Aktiengesellschaft. Process and apparatus for continuously obtaining dry materials. 2,974,725, 3–14–61, Cl. 159—6.

Samfield, Max M., and M. G. Christy, to Liggett & Myers Tobacco Co. Novel reconstituted tobacco compositions. 3,009,835, 11–21–61, Cl. 131—17.

Samfield, Max M., and M. G. Christy, to Liggett & Myers Tobacco Co. Novel reconstituted tobacco compositions. 3,009,836, 11–21–61, Cl. 131—17.

Samica Corp.: *See*—
Briskin, Theodore S., Moore, and Rom. 2,968,993.
Briskin, Theodore S., Moore, and Rom. 2,982,177.
Herden, Robert B. 3,012,471.

Samiran, David. High pressure flexible hose coupling. 3,008,736, 11–14–61, Cl. 285—149.

Samkoff, Jacob S.: *See*—
Lane, Marvin, and Samkoff. 2,971,648.

Sammarco, Peter, to International Harvester Co. Contour mower. 3,005,301, 10–24–61, Cl. 56—25.

Sammarco, Peter, to International Harvester Co. Method of assembling tire carcass rolls and roll made by the process. 3,008,219, 11–14–61, Cl. 29—125.

Sammarco, Peter, to International Harvester Co. Method of assembling tire carcass rolls. 3,008,220, 11–14–61, Cl. 29—148.4.

Sammon, David C.: *See*—
Barrer, Richard M., and Sammon. 3,010,785.

Sammons, George D., to Phillips Petroleum Co. Solid propellant and propellant burning rate catalyst system. 2,969,638, 1–31–61, Cl. 60—35.4.

Samms, Adolphus. Booster case disposal device. 2,990,149, 6–27–61, Cl. 244—138.

Samms, Adolphus. Rocket engine pump feed system. 3,000,179, 9–16–61, Cl. 60—35.6.

Samo, Harvey W.: *See*—
Wilhelm, John H., and Samo. 2,984,936.

Samothrakis, Antonios G. Oil burner for cooking range. 2,982,348, 5–2–61, Cl. 158—76.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Valve rotator and lock. 2,973,753, 3–7–61, Cl. 123—90.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Hydro-pneumatic suspension strut. 2,976,032, 3–21–61, Cl. 267—64.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Vapor compression apparatus. 2,979,921, 4–18–61, Cl. 62—428.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Valve operating means and control. 2,980,089, 4–18–61, Cl. 123—90.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc Load controlled brake system. 2,991,130, 7–4–61, Cl. 303—22.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Turbine blade cooling. 2,992,529, 7–18–61, Cl. 60—39.16.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Compressor for refrigeration. 2,992,636, 7–18–61, Cl. 121—164.

Sampietro, Archilles C., to Thompson Ramo Wooldridge Inc. Brake control or anti-skid device. 2,992,859, 7–18–61, Cl. 303—24.

Sampietro, Achilles C., to Thompson Ramo Wooldridge Inc. Thermal electromotive force generator. 2,997,515, 8–22–61, Cl. 136—4.

Sampietro, Achilles C., and J. D. Grigsby, to Thompson Ramo Wooldridge Inc. Single transistor D.C. to A.C. converter for motors. 2,994,026, 7–25–61, Cl. 318—225.

Sampietro, Achilles C., and J. R. Jeromson, Jr., to Thompson Ramo Wooldridge Inc. Hydro-pneumatic strut. 3,002,743, 10–3–61, Cl. 267—64.

Samples, Randall H., to Union Carbide Corp. Apparatus for mixing materials forming viscous masses. 2,995,346, 8–8–61, Cl. 259—8.

Sampson, Ben E. and M. B. Bouncing apparatus for children. 2,991,841, 7–11–61, Cl. 182—139.

Sampson, Frederick W.: *See*—
Baker, Max P., and Sampson. 3,000,089.

Sampson, Frederick W., to General Motors Corp. Brake structure. 2,987,145, 6–6–61, Cl. 188—78.

Sampson, Frederick W., to General Motors Corp. Brake. 3,013,637, 12–19–61, Cl. 188—78.

Sampson, George H., to Winthrop-Atkins Co., Inc. Finder for calendar. 2,984,033, 5–16–61, Cl. 40—110.

Sampson, Irvine O. Carts for moving logs into fireplaces. 2,998,151, 8–29–61, Cl. 214—511.

Sampson, Merlin B.: *See*—
Sampson, Ben E. and M. B. 2,991,841.

Sampson Motors, Inc.: *See*—
Brett, Riley J. 2,980,435.

Sampson, Ronald N., to Westinghouse Electric Corp. Laminated structure having polyfluoroethylene on one surface thereof. 2,989,657, 6–20–61, Cl. 310—270.

Sampson, Rudolph A.: *See*—
Jennings, Webb C., Swartwood, and Sampson. 3,000,527.

Sampson, Sidney O. Automatic tape cartridge for magnetic recorders. 2,971,716, 2–14–61, Cl. 242—55.13.

Sampson, Sidney O. Magnetic tape reproducing system. 2,976,372, 3–21–61, Cl. 179—100.2.

Sampson, Sidney O. Audio visual synchronous recorder projector. 2,985,069, 5–23–61, Cl. 88—28.

Sampson, William J.: *See*—
Dalby-Balls, Arthur H. 2,984,004.
Davis, Allan W., and Sampson. 2,991,621.

Sams, Martin, and H. Feldman. Electrical terminal. 2,993,190, 7–18–61, Cl. 339—100.

Samsel, Gene L.: *See*—
Le Baron, Ira M., and Samsel. 2,992,728.

Samsel, Gene L., to International Minerals & Chemical Corp. Method for beneficiating potash materials. 2,997,171, 8–22–61, Cl. 209—4.

Samson, Martin. Protective clip. 2,995,795, 8–15–61, Cl. 24—259.

Samson, Rene, to G. Buhler. Method for drying macaroni products. 2,988,819, 6–20–61, Cl. 34—31.

Samuel, Arthur J., to Gulf Research & Development Co. Gravity actuated valves for pressurized dispensers. 2,968,428, 1–17–61, Cl. 222—394.

Samuel, Chester J. Spinning toys. 2,988,846, 6–20–61, Cl. 46—62.

Samuel, Sergiu, to Compagnie des Machines Bull (Societe Anonyme). Switching circuits. 2,983,828, 5–9–61, Cl. 307—88.

Samuel, Walter D., to Centec Machine Tools Ltd. Indexing mechanism for machine tools. 2,975,657, 3–21–61, Cl. 74—822.

Samuels, Albert S. Jewelers ring case and display device. 3,003,619, 10–10–61, Cl. 206—45.13.

Samuels, Howard J., G. P. Hungerford, W. T. Meyer, and K. Tilton, to National Distillers and Chemical Corp. Method and apparatus for forming tubes of thermoplastic film. 2,990,875, 7–4–61, Cl. 154—42.

Samuels, Martin L., and J. E. Pettit, to United States Pipe and Foundry Co. Method for making and repairing rolls. 3,014,266, 12–26–61, Cl. 29—148.4.

Samusenko, Anatol G., to Radio Corp. of America. Transfluxor counting circuit. 2,988,653, 6–13–61, Cl. 307—88.5.

Samusenko, Anatol G., to Radio Corp. of America. Magnetic memory systems. 2,988,734, 6–13–61, Cl. 340—174.

Samways, Norman L.: *See*—
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Sanborn, Arthur H., to G. B. Sullivan. Camera focusing device. 3,008,398, 11–14–61, Cl. 95—44.

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Miller, Arthur. 2,976,462.

Sanborn, Lewis B.: *See*—
Istel, Jacques A., and Sanborn. 2,978,212.

Sanborn, William L., to Bell & Gossett Co. Oil burners. 2,976,919, 3–28–61, Cl. 158—76.

Sanborn, William L., to Bell & Gossett Co. Oil burner with air directing means. 2,976,920, 3–28–61, Cl. 158—76.

Sancelme, Andre, to Societe d'Electrochimie d'Electrometallurgie et des Acieries Anonyme Electriques d'Ugine and l'Air Liquide, Societe Pour l'Etude et l'Exploitation des Procedes Georges Claude. Production of hydrogen peroxide. 2,983,584, 5–9–61, Cl. 23—207.

Sanchez, Fred S. Wrist attached lighter assembly. 2,998,718, 9–5–61, Cl. 67—4.1.

Sand, Darrel R., to General Motors Corp. De-sludging device. 2,977,766, 4–4–61, Cl. 60—54.

Sand, Darrel R., to General Motors Corp. Transmission control device. 3,004,447, 10–17–61, Cl. 74—472.

Sand, John F., to Gemex Precision Metals, Inc. Ornamental linkage having recessed connecting tabs. 3,007,301, 11–7–61, Cl. 59—80.

Sand, Robert E.: *See*—
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Anastasio, Frank J., Kalustyan, and Raunecker. 2,968,884.

Sandback, Irving C.: *See*—
Linke, Walter R., and Sandback. 3,006,248.

Sandback, Irving C., to Bell & Howell Co. Optical objective. 2,989,895, 6–27–61, Cl. 88—57.

Sandback, Irving C., to Bell & Howell Co. Optical objective. 3,011,401, 12–5–61, Cl. 88—57.

Sandberg, Irwin W., to Bell Telephone Laboratories, Inc. Active one-port network. 2,968,773, 1–17–61, Cl. 333—80.

Sandefur, Douglas M., to Northrop Corp. Cabinet structure. 2,987,355, 6–6–61, Cl. 312—23.

Sandefur, George, to Bill Anderson Spring Service, Inc. Kingpin assembly. 2,973,210, 2–28–61, Cl. 280—433.

Sandel, Vernon R., to Ethyl Corp. Dihalodimanganese octacarbonyls and process for producing the same. 3,009,766, 11–21–61, Cl. 23—14.

Sandell, Donald M. Children's vehicular toy. 2,998,979, 9–5–61, Cl. 280—87.05.

Sander, Wendell B., to Tasker Instruments Corp. Function generator circuits. 2,976,430, 3–21–61, Cl. 307—88.5.

Sanders Associates, Inc.: *See*—
Ayer, Donald R., Butler, and Dahlgren. 2,994,050.
Ayer, Donald R., and McDowell. 3,002,165.
Ayer, Donald R., and McDowell. 3,015,081.
Butler, Jesse L. 3,002,189.
Dahlgren, Victor F. 2,994,058.
Dahlgren, Victor F. 2,997,521.
Dahlgren, Victor F., and Stearns. 2,994,059.
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Tally, Sidney K. 2,973,502.
Wilson, William J. 2,994,083.
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Sanders, Benjamin E., M. N. Richard, and O. P. Miller, to Merck & Co., Inc. Production of ceruloplasmin in a purified state from blood plasma fractions. 3,003,918, 10–10–61, Cl. 167—74.

Sanders, Billy W. Adjustable supporting structure. 3,005,659, 10–24–61, Cl. 297—19.

Sanders, Deonard J. Amphibious vehicle. 2,980,054, 4–18–61, Cl. 115—1.

Sanders, Edward R.: *See*—
Riggins, Frank O., Sanders, and Wright. 2,967,298.

Sanders, Edwin R., to United States of America, Navy. Proximity fuze. 3,000,314, 9–19–61, Cl. 102—70.2.

Sanders, Ernest E. and G. E. Refrigeration apparatus. 3,010,291, 11–28–61, Cl. 62—252.

Sanders, Garland E.: *See*—
Sanders, Ernest E. and G. E. 3,010,291.

Sanders, Guy J., E. G. Grimsal, and W. E. Lawrie, to Crane Co. Liquid fuel burner. 3,003,548, 10–10–61, Cl. 158—76.

Sanders, John C. Acceleration control for gas turbine engines with compressor surge limiting. 2,974,483, 3–14–61, Cl. 60—39.28.

Sanders, Leon D., to Systematic Parking Co. Material handling apparatus. 2,988,329, 6–13–61, Cl. 254—2.

Sanders, Le Roy B. Inboard motor boat. 3,010,423, 11–28–61, Cl. 115—35.

Sanders, Lowell S. Game bird calling device. 3,001,322, 9–26–61, Cl. 46—180.

Sanders, Milton, to American Machine & Foundry Co. Bowling pin. 2,973,206, 2–28–61, Cl. 273—82.

Sanders, Milton, and H. S. Halpern, to American Machine & Foundry Co. Automatic pin spotter control mechanism. 2,980,424, 4–18–61, Cl. 273—43.

Sanders, Robert G., R. R. Read, and R. J. Palazzolo. p-sulfamyl β-hydroxyethyl carbanilate diuretic compositions. 2,967,130, 1–3–61, Cl. 165—65.

Sanders, Royden C., Jr., and W. R. Mercer, to Raytheon Co. Frequency-scanning radio receivers. 2,977,465, 3–28–61, Cl. 250—20.

Sanders, Royden C., Jr., and B. R. Cole, to Radio Corp. of America. Radar control system for glide path control of aircraft. 3,005,981, 10–24–61, Cl. 343—14.

Sanders, Theodorus P. W.: *See*—
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Sanders, Walter M. Iron holder and clothes rack assembly for ironing board. 3,003,645, 10–10–61, Cl. 211—86.

Sanders, William J.: *See*—
Weber, Victor, Russell, and Sanders. 2,977,967.

Sanders, William M.: *See*—
Mitchell, Joseph A., and Sanders. 2,990,894.

Sanders, William W.: *See*—
Roebuck, Alan K., Evering, and Sanders. 2,975,223.

Sanderson, James J., to E. I. du Pont de Nemours & Co. Coating composition comprising nitrocellulose, polymer of methyl methacrylate and carbon black. 2,989,492, 6–20–61, Cl. 260—17.

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Sanderson, William M.: *See*—
Hawkes, Joseph S., and Sanderson. 2,983,954.

Sandgren, Axel R., to AB Armaturhantverk. Holder device for clothes suspenders. 3,005,558, 10–24–61, Cl. 211—123.

Sandgren, John A. Draft hitch. 2,976,058, 3–21–61, Cl. 280—413.

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Sandilands, John J., and J. H. Gormley, to The Organic Chemical Corp. Dyeing of textile material. 2,991,144, 7–4–61, Cl. 8—41.

Sandin, Jerome, to Westinghouse Electric Corp. Circuit interrupter. 2,979,590, 4–11–61, Cl. 200—148.

Sandin, Nils L., to F. H. Karlsson. Roof draining sinks. 2,994,433, 8–1–61, Cl. 210—163.

Sandkvist, Hugo, to Allmanna Svenska Elektriska Aktiebolaget. Method for connecting concentric members. 3,011,013, 11–28–61, Cl. 174—152.

Sandler, Robert A., to Continental Copper & Steel Industries, Inc. Extraction apparatus. 3,005,398, 10–24–61, Cl. 99—289.

Sandlin, Carol O.: *See*—
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Sandlin, Hansford L.: *See*—
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Sandlin, Herman L., to Jersey Production Research Co. Anchoring reinforcing cables or braids in well packers. 3,003,798, 10–10–61, Cl. 287—20.

Sandman, Leonard J. Portable steering apparatus for outboard motor boats. 3,007,429, 11–7–61, Cl. 114—160.

Sandmeyer, Karl H., to The Carborundum Co. Bonded abrasive articles. 2,986,455, 5–30–61, Cl. 51—296.

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Fierce, William L., and Sandner. 2,980,725.
Fierce, William L., and Sandner. 2,982,779.
Fierce, William L., and Sandner. 2,982,780.
Fierce, William L., and Sandner. 3,004,828.
Fierce, William L., and Sandner. 3,005,007.
Fierce, William L., and Sandner. 3,012,057.
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Sandner, Walter J., and W. L. Fierce, to The Pure Oil Co. Reaction of phosphorus oxychloride and polar polyhydric compounds. 2,978,478, 4–4–61, Cl. 260—461.

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Sando, Robert M.: *See*—
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Sandor, Aurelius, to Sylvania Electric Products Inc. Apparatus for producing cathode ray tubes. 2,998,033, 8–29–61, Cl. 140—71.5.

Sandor, Aurelius, to Sylvania Electric Products Inc. Apparatus and method for producing cathode ray tubes. 2,999,300, 9–12–61, Cl. 29—25.19.

Sandor, Basile: *See*—
Franck, Jean-Jacques, and Sandor. 2,994,620.

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Rutschmann, Jurg. 2,984,674.
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Sandoz, George A., and R. L. Newbegin. Method for coating columbium. 2,991,197, 7–4–61, Cl. 117—131.

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Sands, Hillard J.: *See*—
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Sands, Hillard J., to Harvard Mfg. Co. Bedframe with leg reenforced cross rail and connection thereof to a side rail. 2,989,760, 6–27–61, Cl. 5—176.

Sands, Hillard J., to Harvard Mfg. Co. Headboard attachment bracket for bedframes. 2,995,761, 8–15–61, Cl. 5—301.

Sands, Matthew L.: *See*—
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Sandvig, Robert L., to Thor Power Tool Co. Percussive drill bit for use in reverse flow flushing in soft rock drilling. 2,969,846, 1–31–61, Cl. 175—418.

Sandvig, Robert L., to Thor Power Tool Co. Separator for use with rock drills. 2,990,032, 6–27–61, Cl. 183—34.

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Saner, William R., and M. Burg, to E. I. du Pont de Nemours and Co. Photopolymerizable compositions and elements. 2,972,540, 2–21–61, Cl. 96—115.

Sanford, Burpee O. Boat trailer. 2,972,426, 2–21–61, Cl. 214—505.

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Sanford Process Co. Inc.: *See*—
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Sanford, Robert A., and R. L. Foster, to Sinclair Refining Co. Process for recovering isobutylene from acid mixtures. 2,992,284, 7–11–61, Cl. 260—677.

Sanford, Robert A., and S. M. Kovach, to Sinclair Refining Co. Process for the hydrogenation of naphthalene. 3,000,983, 9–19–61, Cl. 260—667.

Sanford, Robert S.: *See*—
Olson, George E., and Sanford. 2,994,071.

Sanford, Roy S.: *See*—
Eames, James O. 2,966,966.
Eames, James O 2,980,220.
Eames, James O. 2,982,377.
Eames, James O. 3,007,554.
Eames, James O. 3,007,555.
Eames, James O. 3,007,556.
Eaton, Wilfred A. 2,986,238.
Eaton, Wilfred A. 2,986,240.

Sanford, Roy S., to R. S. Sanford, W. A. Eaton, E. D. Sedergren, R. H. Casler, and J. O. Eames. Liquid cooled brake shoe for vehicles. 2,986,239, 5–30–61, Cl. 188—264.

Sanford, Stuart P.: *See*—
Amatel, Harold, and Sanford. 2,983,372.

Sanford, Stuart P., to Westinghouse Electric Corp. Carrying carton. 3,005,546, 10–24–61, Cl. 206—65.

San-Fran Products Co.: *See*—
Udell, Leslie E. 2,969,890.

Sanftner, Roger W.: *See*—
Hubbard, Harold M., and Sanftner. 2,992,069.

Sangamo Electric Co.: *See*—
Becker, Dale F., and Kurz. 2,997,653.
Hare, Donald G. C. 2,994,489.
Haynes, James B., and Lanphier. 2,991,445.

Sanganio Electric Co.: *See*—
Lovegrove, Henry J. 3,002,336.
Sabiston, Malcolm R. 2,972,723.

Sangdahl, George S., Jr., and J. G. Du Pre, to Chicago Bridge and Iron Co. Method of brazing with metal powders below the melting point of either metal powder. 3,005,258, 10–24–61, Cl. 29—494.

Sänger, Eügen. Aircraft launching vehicle. 3,003,572, 10–10–61, Cl. 180—1.

Sanger, Otto: *See*—
Schafer, Wilhelm, Sanger, and Schutz. 2,994,258.

Sangerlaub, Wilhelm, to VEB Volkswerft Stralsund. Fishing vessel. 3,003,452, 10–10–61, Cl. 14—72.

Sangl, Michael, and W. Elischer, to P. Gossen & Co. G.m.b.H. Stepless compensation of reactive current. 3,015,059, 12–26–61, Cl. 323—101.

Sanicky, Marilyn K., to Incar, Inc. Bright nickel plating. 2,980,595, 4–18–61, Cl. 204—49.

Sanitary Mfg. Co. of Pittsburgh, Pa.: *See*—
Kintner, Edwin K. 2,971,453.

Sanker, Gerald F.: *See*—
Gartner, Stanley J., Leap, and Sanker. 3,010,490.

Sanko, Daniel C., ½ to L. J. Kovach. Apparatus for forming hollow articles from thermoplastic material. 2,980,955, 4–25–61, Cl. 18—5.

Sankovich, Melvin F., J. F. Mumm, D. C. North, Jr., H. R. Rock, and D. K. Geston, to United States of America, Atomic Energy Commission. Merchant Marine ship reactor. 2,982,713, 5–2–61, Cl. 204—193.2.

Sankyo Kabushiki Kaisha: *See*—
Tsuda, Kyosuke, Asai, Iizuka, Tanaka, Nakamura, Okazaki, Shirasaka, and Naito. 2,993,839.

Sanner, Veryl H., and L. H. Ruple, to Abbey Etna Machine Co. Universally adjustable guide for tubes in a tube mill. 2,970,203, 1–31–61, Cl. 219—59.

Sannipoli, Alfred L., and E. E. Thomas, to Seamless Covers, Inc. Manufacture of paint rollers. 3,010,867, 11–28–61, Cl. 156—367.

Sano, Tomitaro T. Combination can holder and punch. 2,974,410, 3–14–61, Cl. 30—6.1.

Sansum, Robert D., to Gerrard Industries Ltd., and Rylands Brothers Ltd. Wire tying machines. 3,002,445, 10–3–61, Cl. 100—4.

Santa Barbara Research Center: *See*—
Goodenough, James G., and Swift. 2,996,893.
McLean, Bob N. 2,997,409.

Santa Fe Mfg. Corp.: *See*—
Alcaro, Francis A. 2,989,000.

Santangelo, Charles E., and B. H. Kress, to Quaker Chemical Products Corp. Compositions for simultaneously phosphating and lubricating ferrous metals. 2,992,145, 7–11–61, Cl. 148—6.15.

Santarelli, Vincent. Portable spray pump. 3,008,428, 11–14–61, Cl. 103—205.

Santelli, Thomas R., to Owens-Illinois Glass Co. Method of treating a glass surface with an alkyl phenoxy polyoxyethylene ethanol and article produced thereby. 2,982,672, 5–2–61, Cl. 117—65.

Santelli, Thomas R., and L. D. Soubier, to Owens-Illinois Glass Co. Method for blowing parisons. 3,001,239, 9–26–61, Cl. 18—55.

Santelmann, William F., Jr., and A. J. Hingston, to Research Corp. Signal transmission line. 3,015,080, 12–26–61, Cl. 333—20.

Santilli, Ruggero. Centerless disc saw with depth of cut greater than the radius. 2,972,363, 2–21–61, Cl. 143—44.

Santini, Danilo, and G. Macredis, to Westinghouse Electric Corp. Elevator systems. 2,997,134, 8–22–61, Cl. 187—29.

Santmyer, Philip H.: *See*—
Suhovecky, Albert J., and Santmyer. 2,972,561.

Santmyer, Philip H., to Monsanto Chemical Co. Polyamine nematocides. 2,979,434, 4–11–61, Cl. 167—22.

Santogrossi, Dominic J.: *See*—
Slater, John M., Perkins, Crowley, Hallman, Benson, and Santogrossi. 2,995,937.

Santore, Gabriel L.: *See*—
Stern, Jesse E., and Santore. 2,976,721.

Santoro, Frank. Chassis mechanism for wheeled vehicles. 2,982,560, 5–2–61, Cl. 280—5.28.

Santoro, Salvatore J. Plasterer's screed guide. 2,990,652, 7–4–61, Cl. 50—534.

Santos, John R. L.: *See*—
Hoyer, Llewellyn E., and Santos. 2,989,992.

Santosuosso, Ralph, and J. J. Mahoney. Boiler tube repair device. 3,006,380, 10–31–61, Cl. 138—91.

Santow, Seymour: *See*—
Belcove, Allan S., and Santow. 2,992,974.

Sanwa Mishin Seizo Kabushiki Kaisha (Sanwa Sewing Machine Mfg. Co., Ltd.): *See*—
Fujita, Toshio. 2,982,241.
Fujita, Toshio. 3,011,463.

Sanyo Electric Co., Ltd.: *See*—
Tanimura, Hiroshi, and Ishii. 3,010,014.

Sanz, Manuel C. Pipette. 2,974,528, 3–14–61, Cl. 73—425.4.

Sanz, Manuel C., and C. N. Scully, to United States of America, Atomic Energy Commission. Nuclear reactor element. 2,990,351, 6–27–61, Cl. 204—193.2.

Saponara, Domenick. Gasket. 2,988,788, 6–20–61, Cl. 20—69.

Saponara, Domenick, to Caloric Appliance Corp. Means for locating the surface burners and the pilot burner of a cooking range. 2,991,783, 7–11–61, Cl. 126—214.

Sapp, Bobby L.: *See*—
Hollingsworth, Clinton A., and Sapp. 3,013,664.

Sapp, Hubert B., to Eastman Kodak Co. Rangefinder system. 2,983,208, 5–9–61, Cl. 95—44.

Sapp, Maxwell, to Rosecrans Development Co. Building arch construction. 2,984,944, 5–23–61, Cl. 50—55.

Sapp, William M., Jr.: *See*—
McNamara, Roger J., and Sapp. 3,007,836.

Sappey, Harold and M., L. E. Brinn, executor of said H. Sappey, to M. Sappey. Nursing nipples. 2,980,113, 4–18–61, Cl. 128—252.

Sappey, Mary: *See*—
Sappey, Harold and M. 2,980,113.

Sarabia, Oscar A., to Monsanto Chemical Co. Polymerization inhibitor. 2,971,608, 2–14–61, Cl. 183—115.

Sarage Laboratories, Inc.: *See*—
Margolis, Elly T. 2,999,050.

Sarah, Thomas F, to The Enterprise Mfg. Co. Anti-backlash device. 2,986,355, 5–30–61, Cl. 242—84.5.

Sarahan, Bernard L.: *See*—
Astrahan, Morton M., Batchelor, Housman, Kurkjian, and Sarahan. 3,012,227.

Sarahan, Bernard L., R. C. Jeffrey, J. F. Jacobs, R. P. Mayer, and S. L. Thompson, to Research Corp. Digital computer with inherent shift. 2,994,478, 8–1–61, Cl. 235—175.

Sarantites, Anthony D., to Plastonics Corp. Producing polymerized materials by irradiation. 3,008,886, 11–14–61, Cl. 204—162.

Sarbach, Donald V., to Stauffer-Hewitt, Inc. Upholstered cushion and method of making the same. 2,988,760, 6–20–61, Cl. 5—345.

Sard, Eugene W., and H. Salz, to United States of America, Army. Magnetic core binary counter syatem. 2,968,797, 1–17–61, Cl. 340—174.

Sardella, Carl. Individual pin spotter for bowling alleys. 2,967,055, 1–3–61, Cl. 273—44.

Sardeson, Robert, to Pako Corp. Reels. 2,992,789, 7–18–61, Cl. 242—71.8.

Sardeson, Robert. Pressing irons. 3,001,305, 9–26–61, Cl. 38—77.

Sardinas, Joseph L.: *See*—
Badia, Dan J., and Sardinas. 3,010,876.

Sarett, Lewis H.: *See*—
Arth, Glen E., Beyler, and Sarett. 3,004,994.
Brown, Horace D., Matsuk, and Sarett. 2,989,530.
Poos, George I., and Sarett. 2,999,859.

Sarett, Lewis H., E. F. Rogers, and R. L. Clark, to Merck & Co., Inc. Serotonin antagonists. 2,995,567, 8–8–61, Cl. 360—319.

Sarett, Lewis H., W. J. Leanza, and E. F. Rogers, to Merck & Co., Inc. Coccidiosis control composition. 3,001,909, 9–26–61, Cl. 167—53.1.

Sargarin, Philip H., to VCA Inc. Aerosol cap construction. 3,006,510, 10–31–61, Cl. 222—182.

Sarge, Alton E.: *See*—
Stratton, Clell T., and Sarge. 3,009,059.

Sargeant, Irvin M. Improvement device for conveyor type heat treating furnaces. 2,985,437, 5–23–61, Cl. 263—6.

Sargent, Albert A., to Moore Business Forms, Inc. Paper guides. 3,013,646, 12–19–61, Cl. 197—133.

Sargent, Albert M. Pumping apparatus. 2,970,605, 2–7–61, Cl. 137—247.41.

Sargent & Co.: *See*—
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Sargent, Donald E., to General Electric Co. Catalytic hydrogenation. 2,983,734, 5–9–61, Cl. 260—347.8.

Sargent, Greenleaf W.: *See*—
Buxton, Elliott R., and Sargent. 2,987,048.

Sargent, Herbert B.: *See*—
Poorman, Richard M., Hawley, and Sargent. 3,004,822.

Sargent, Howard H., Jr., J H. Bickford, and H. N. Bliss, to Veeder-Root Inc. Discount computer for liquid dispensing mechanism. 3,014,657, 12–26–61, Cl. 235—94.

Saricks, Joseph G.: *See*—
Thomas, Orrin H. 2,994,298.

Sarkan, Eugene: *See*—
French, Carl D. 2,991,764.

Sarkar, Asim K.: *See*—
Adams, Dennis A. W., and Sarkar. 2,989,527.

Sarkes Tarzian, Inc.: *See*—
Canada, David G. 2,978,651.
Eannarino, George, and Finn. 2,981,873.
Gelzer, John R., and Reed. 2,989,710.
Lewis, Chalmer H., Jr. 3,003,060.
Meadows, Stanley R., Lewis, and Pearson. 2,995,655.
Meadows, Stanley R., and Valdettaro. 3,013,231.
Valdettaro, Alarico A. 2,976,375.
Winston, John M. 2,976,384.

Sarley, Joseph M., and J. R. Natvig, to International Business Machines Corp. Record card sorting collator. 2,990,957, 7–4–61, Cl. 209—110.

Sarnecki, Wilhelm: *See*—
Pommer, Horst, and Sarnecki. 2,983,739.
Pommer, Horst, and Sarnecki. 3,006,939.

Sarno, Dante H., to Shell Oil Co. Extractive distillation with dimethylformamide. 2,993,841, 7–25–61, Cl. 202—39.5.

Sarnow, Carl R. Spoon having concealed gripping hooks. 2,972,830, 2–28–61, Cl. 43—35.

Sarratt, Everett R., to Tracerlab Inc. Counting circuit. 2,985,794, 5–23–61, Cl. 315—84.6.

Sarria, Guillermo. Louvre blinds. 2,995,787, 8–15–61, Cl. 20—62.

Sarti, Albert, to Perkins Welding Works. Gate valve locking device. 3,006,181, 10–31–61, Cl. 70—180.

Sarto, Jorma O., to Chrysler Corp. Carburetor idle fuel control means. 2,981,245, 4–25–61, Cl. 123—119.

Sarto, Jorma O., to Chrysler Corp. Automatic choke control and air preheater. 2,992,641, 7–18–61, Cl. 123—119.

Sarto, Jorma O., to Chrysler Corp. Carburetor. 3,001,774, 9–26–61, Cl. 261—39.

Sartori, Mario F., to E. I. du Pont de Nemours and Co. Benzonaphthofurandiones substituted in the naphtho ring. 2,995,578, 8–8–61, Cl. 260—346.2.

Sartori, Mario F., to E. I. du Pont de Nemours and Co. 1-amino-2-anthraquinoylamino-dinaphthofurandiones. 2,995,579, 8–8–61, Cl. 260—346.2.

Sarvis, Howard C. Forearm gun. 2,977,703, 4–4–61, Cl. 42—94.

Sasaki, Morie: *See*—
Obika, Misao, Sasaki, Tanaka, and Iijima. 3,004,985.

Sasaki, Rentaro, to Oki Electric Industry Co. Type hammer mechanism for high speed printer. 2,995,082, 8–8–61, Cl. 101—3.

Sasaki, Rentaro, and N. Hashimoto, to Oki Electric Industry Co., Ltd. High speed printer. 3,007,399, 11–7–61, Cl. 101—93.

Sasena, Robert C., to The Osborn Mfg. Co. Circumferentially waved rotary brush. 3,013,289, 12–19–61, Cl. 15—181.

Sasin, Richard: *See*—
Swern, Daniel, and Sasin. 2,988,558.

Saslow, Irving. Adjustable picture hanger. 2,981,506, 4–25–61, Cl. 248—28.

Sasnett, Russell M.: *See*—
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Cushing, Donald S., and Sasnett. 3,015,055.

Sasnett, Russell M., to General Electric Co. Top spray dishwasher. 2,987,260, 6–6–61, Cl. 239—231.

Sassen, Bernard, to The Monarch Machine Tool Co. Machine tool slide control. 2,972,868, 2–28–61, Cl. 60—97.

Sassenberg, Richard. Apparatus for treating motion picture film. 2,987,955, 6–13–61, Cl. 88—17.

Sassenberg, Richard. Apparatus for the projection of images. 2,988,043, 6–13–61, Cl. 118—12.

Sasserson, Curtis F., to Pennsylvania Furnace and Iron Co. Light unit for vehicles. 2,976,513, 3–21–61, Cl. 339—92.

Sassmann, Arthur E. Soil turning device for plows. 2,980,191, 4–18–61, Cl. 172—164.

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Satin, Marvin, to H. A. Satin & Co., Inc. Maternity skirts. 3,013,277, 12–19–61, Cl. 2—221.

Sato, George M. Hedge trimmer. 2,972,809, 2–28–61, Cl. 30—209.

Sato, Hisao: *See*—
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Sato, Kenshun, and K. Asari. Diving mask. 2,981,252, 4–25–61, Cl. 128—142.

Sato, Mikio: *See*—
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Sato, Minoru: *See*—
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Sato, Minoru, to Iwaki Garasu Kabashiki Kaisha. Process for lining metal pipes with glass. 2,986,847, 6–6–61, Cl. 49—79.

Satrametal S.A.: *See*—
Maulaz, Georges. 3,005,570.

Satrum, Clarence R. Automatic slack take-up mechanism for cam-operated brakes. 3,013,638, 12–19–61, Cl. 188—79.5.

Sattavara, Sven W.: *See*—
Bookout, Charles C., Sattavara, and Taylor. 2,988,889.

Sattavara, Sven W., to Ford Motor Co. Power steering mechanism. 2,983,283, 5–9–61, Cl. 137—622.

Satterfield, Walter R., to Armco Steel Corp. Pickling solution and method. 3,010,854, 11–28–61, Cl. 134—27.

Sattler, Emil, to Koppers Co., Inc. Process for purifying crude benzene. 2,981,766, 4–25–61, Cl. 260—674.

Sattler, Frank A., and F. F. Trunzo, to Westinghouse Electric Corp. Composition comprising polyesteramide, epoxy resin and isocyanate modified cellulose acetate and wire coated therewith. 2,989,491, 6–20–61, Cl. 260—16.

Sattler, Frank A., and D. A. Rogers, Jr., to Westinghouse Electric Corp. Process for preparing a dialkyl terephthalatepolyhydric alcohol polyester in the presence of lead acetate, coating composition containing said polyester, and electrical conductor coated with the heat-cured product thereof. 3,009,896, 11–21–61, Cl. 260—33.4.

Sattler, Klaus, to Concordio Maschinen- & Elektrizitats-G.m.b.H. Valve with pressure balancing diaphragms. 3,003,743, 10–10–61, Cl. 251—282.

Sauber, James W.: *See*—
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Saubestre, Edward B., to Sylvania Electric Products Inc. Electrodeposition of zinc. 2,975,112, 3–14–61, Cl. 204—119.

Saubestre, Edward B., to Sylvania Electric Products Inc. Etchant and method. 2,982,625, 5–2–61, Cl. 41—42.

Saubestre, Edward B., and E. P. Bulan, to Sylvania Electric Products Inc. Electroplating of niobium. 2,999,799, 9–12–61, Cl. 204—42.

Saucy, Gabriel: *See*—
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Ruegg, Rudolf, and Saucy. 2,983,752.

Sauer, Alfred B.: *See*—
Leslie, James D., and Sauer. 2,969,976.

Sauer, Charles W.: *See*—
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Sauer, Edgar, and H. Ebertz, to Zeiss Ikon A.G. Single objective mirror reflex cameras. 2,980,001, 4–18–61, Cl. 95—42.

Sauer, Edgar, H. Ruhle, O. Metzger, and J. Hahn, to Zeiss Ikon, A.G. Photographic cameras. 2,990,758, 7–4–61, Cl. 95—10.

Sauer, Edgar, J. Hahn, and H. Wutzler, to Zeiss Ikon A.G. Photographic camera with a coupled photoelectric exposure meter. 3,004,480, 10–17–61, Cl. 95—10.

Sauer, Harold A.: *See*—
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Sauer, Harold A., to Bell Telephone Laboratories, Inc. Controlled atmosphere cabinet. 2,985,497, 5–23–61, Cl. 312—311.

Sauer, Herman C., to United States Rubber Co. Toothed belt with grooved teeth. 2,988,925, 6–20–61, Cl. 74—229.

Sauer, Hubert: *See*—
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Sauermilch, Walter: *See*—
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Mathes, Wilhelm, and Sauermilch. 3,008,963.

Sauers, Carol K., and R. J. Cotter, to Union Carbide Corp. Process for the preparation of maleimides. 2,980,694, 4–18–61, Cl. 260—326.5.

Sauers, Carol K., and R. J. Cotter, to Union Carbide Corp. Process for the preparation of isomaleimides. 2,980,701, 4–18–61, Cl. 260—343.6.

Sauers, Carol K., and R. J. Cotter, to Union Carbide Corp. Process for the preparation of isomaleimides. 2,995,577, 8–8–61, Cl. 260—343.6.

Sauers, Carol K., and R. J. Cotter, to Union Carbide Corp. Process for the preparation of isomaleimides. 2,998,429, 8–29–61, Cl. 260—343.6.

Saukaitis, Albert J., G. S. Gardner, and G. L. Gibson, to Amchem Products, Inc. Inhibitor compositions. 2,975,125, 3–14–61, Cl. 252—8.55.

Saul, August A., to Miller Printing Machinery Co. Fountain structure. 3,009,417, 11–21–61, Cl. 101—148.

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Gutzwiller, Ernst, and Schoenauer. 3,005,833.
Maderni, Piero, and Ruckstuhl. 3,007,913.

Saul, Earl W. Lathe chuck rack. 3,008,586, 11–14–61, Cl. 211—150.

Saul, George A., J. W. Baker, and K. L. Godfrey, to Monsanto Chemical Co. Phosphoramidic acid mixed anhydrides in method of weed control. 2,983,595, 5–9–61, Cl. 71—2.7.

Saul, Robert J., R. C. Kahler, and J. M. Moran, to Cranston Print Works Co. Weft straightener. 2,972,794, 2–28–61, Cl. 26—51.5.

Saulino, Anthony J., A. J. McFarlane, and W. K. Klamp, to United States Rubber Co. Method of making pneumatic tires. 2,995,178, 8–8–61, Cl. 154—14.

Sauls, Thomas W.: *See*—
Duckworth, William C., Norwood, and Sauls. 3,006,890.
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Parker, James B., and Saulsbury. 2,982,969.

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Mack, Kent M., Currie, and Saulson. 3,005,987.

Saunders, Albert L. Apparatus for applying covers to books. 2,974,332, 3–14–61, Cl. 11—4.

Saunders, Alfred P., to Wildt Mellor Bromley Ltd. Circular knitting machines equipped with wrap thread mechanism. 2,999,375, 9–12–61, Cl. 66—135.

Saunders, Arnold E., and W. E. Wagner, to Pittsburgh Plate Glass Co. Preparing glass coating compositions. 2,975,076, 3–14–61, Cl. 117—124.

Saunders, Charles A. Shock impact frangible arrowhead. 3,012,786, 12–12–61, Cl. 273—106.5.
Saunders, Charles J., to Hughes Aircraft Co. Interval timer. 2,992,299, 7–11–61, Cl. 200—38.
Saunders, Cyril E.: *See*—
Thompson, William R., Saunders, and Murray. 2,984,026.
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Saunders, David G., and E. B. Knott, to Eastman Kodak Co. Yellow-colored magenta-forming couplers. 3,005,712, 10–24–61, Cl. 96—100.
Saunders, Earle R., R. M. Franks, and C. A. Belser, to Union Carbide Corp. Method for producing non-aging rimmed steels. 2,999,749, 9–12–61, Cl. 75—58.
Saunders, Frank L.: *See*—
Sovish, Richard C., and Saunders. 2,998,329.
Saunders, George H., and H. S. Hedberg, to Kimberly-Clark Corp. Continuous pulp bleaching method. 2,968,589, 1–17–61, Cl. 162—19.
Saunders, James H., to Monsanto Chemical Co. Method of operating a turbojet engine with high energy fuels. 3,004,384, 10–17–61, Cl. 60—35.4.
Saunders, Kenneth D. Insulating cover for winter sport shoes. 2,984,917, 5–23–61, Cl. 36—7.1.
Saunders, Kenneth W.: *See*—
Dixon, James K., Smolin, and Saunders. 2,976,333.
Smolin, Edwin M., Dixon, and Saunders. 2,976,334.
Saunders, Kenneth W., J. E. Longfield, and R. C. Ryder, to American Cyanamid Co. Production of phthalic anhydride from low sulfur naphthalene. 2,989,544, 6–20–61, Cl. 260—346.4.
Saunders, Orson V.: *See*—
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Saunders, Orso V., to General Motors Corp. Refrigerator cabinet. 2,973,235, 2–28–61, Cl. 312—204.
Saunders, Orson V., to General Motors Corp. Refrigerating apparatus. 2,975,616, 3–21–61, Cl. 62—291.
Saunders, Orson V., to General Motors Corp. Refrigerator with meat storage receptacle. 2,975,619, 3–21–61, Cl. 62—419.
Saunders, Orson V., and R. C. Brown, to General Motors Corp. Refrigerator cabinet. 3,006,708, 10–31–61, Cl. 312—214.
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Saunders, Robert G. Dust guard. 2,968,498, 1–17–61, Cl. 286—6.
Saunders, Robert H., to United States of America, Navy. Allyl nitroform. 2,993,935, 7–25–61, Cl. 260—644.
Saunders, Robert H., to United States of America, Navy. Alpha-phenyl beta-trinitroethanol. 2,993,936, 7–25–61, Cl. 260—645.
Saunders, Robert H., to United States of America, Navy. Trinitroethyl acrylate. 2,994,714, 8–1–61, Cl. 260—486.
Saunders, Robert H., to United States of America, Navy. β-trinitroethyl-γ-trinitrobutyrate. 2,996,537, 8–15–61, Cl. 260—478.
Saunders, Robert H., to United States of America, Navy. Bis(p-trinitroethylamino)diphenylmethane. 2,996,544, 8–15–61, Cl. 260—570.
Saunders, Robert H., to United States of America, Navy. o-phenylene-bis (trinitroethylamine. 2,996,547, 8–15–61, Cl. 260—577.
Saunders, Robert H., to United States of America, Navy. N-trinitroethyl aminotetrazole. 2,998,424, 8–29–61, Cl. 260—308.
Saunders, Robert H., to United States of America, Navy. 2,4-dinitrophenyl hydrozone of trinitropentanone. 2,999,112, 9–5–61, Cl. 260—566.
Saunders, Robert H., to United States of America, Navy. β-trinitroethylphenylamine. 2,999,115, 9–5–61, Cl. 260—577.
Saunders, Robert H., to United States of America, Navy. α-trinitrobutyramide. 3,002,022, 9–26–61, Cl. 260—561.
Saunders, Ronald A., A. T. F. Simmons, and R. J. V. Snell, to The English Electric Co. Ltd. Automatic shut-off valves. 3,001,745, 9–26–61, Cl. 244—117.
Saunderson, Henry D., to United States of America, Navy. Water discrimination fuze ball-bearing screw type. 2,994,272 8–1–61, Cl. 102—70.2.
Saundes, Albert, to Accurate Tools (Saunders) Ltd. Roller box tools for machine tools. 3,000,247, 9–19–61, Cl. 82—35.
Saur, E. L.: *See*—
Lawhon, John J. 2,972,913.
Sausele, George J. H., to Whitin-ATF Corp. Display photocomposing. 2,972,938, 2–28–61, Cl. 95—85
Sausele, George J. H., to American Type Founders Co., Inc. Photographic devices for typography. 2,981,148, 4–25–61, Cl. 88—24.
Sausele, George J. H., to American Type Founders Co., Inc. Photo-typographic master character plate. 3,011,421, 12–5–61, Cl. 95—85.
Sausen, George N.: *See*—
Krespan, Carl G., and Sausen. 2,977,394.
Sautel, Auguste A.: *See*—
Lucas, Pierre M., and Sautel. 2,981,802.
Sauter, Jack F., to Bell Telephone Laboratories, Inc. Check circuit for a registration system. 3,011,148, 11–28–61, Cl. 340—147.
Sautereau, Lucien. Drafting tables. 3,012,363, 12–12–61, Cl. 45—131.
Sautereau, Lucien E. F. Drawing table. 2,998,672, 9–5–61, Cl. 45—131.
Sauvee, Robert L., to Sovex Ltd. Conveyors. 2,971,632, 2–14–61, Cl. 198—165.
Savage Arms Corp.: *See*—
Brewer, Nicholas L. 3,005,279.
Henry, Woodrow W. 2,991,548.
Lockwood, Henry K. 3,005,263.
Winton, William S. 2,986,402.
Savage, Donald C.: *See*—
Johnson, Maurice V., Jr., and Savage. 2,971,459.
Johnson, Maurice V., Jr., and Savage. 2,987,991.
Savage, Francis C., to The Sheffield Corp. Gaging device. 2,977,533, 3–28–61, Cl. 324—71.
Savage, Frank K., H. L. Pinkerton, and A. K. Graham, to Graham, Savage & Associates, Inc. Recovery of high purity copper from copper scrap. 3,014,850, 12–26–61, Cl. 204—10.
Savage Industries, Inc.: *See*—
Rausch, Curtis D. 2,980,864.
Savage, Jack W.: *See*—
Funkhouser, Mearick, and Savage. 3,005,109.
Levy, Irving M., Savage, and Flora. 2,990,112.
Neyhouse, George A., Savage, and Shewmon. 2,981,089.
Neyhouse, George A., Savage, and Shewmon. 2,989,654.
Neyhouse, George A., Savage, and Shewmon. 3,003,090.
Shewmon, Ralph K., Savage, and Neyhouse. 3,003,091.
Savage, John: *See*—
Morton, James S., and Savage. 2,975,493.
Savage, Leonard H., to American Metal Hardware Co. Latch and lock assembly. 2,990,711, 7–4–61, Cl. 70—211.
Savage, Lester D., Jr., and M. E. Stickney, to Beckman Instruments, Inc. Device for the protection of pressure measuring elements. 2,984,109, 5–16–61, Cl. 73—388.
Savage Plating & Anodizing Co., Inc.: *See*—
Bommerscheim, Charles H. 3,014,851.
Savarin, Maurice, to Societe Anonyme dite: Savarin & Veuve Foinant. Slidably adjustable inner jaw wrench. 2,991,677, 7–11–61, Cl. 81—158.
Savell, Inc.: *See*—
Allegri, Theodore H. 2,971,675.
Saverio, Francois V. M. D., to Philco Corp. Fabric washing machine. 2,969,665, 1–31–61, Cl. 68—184.
Savet, Paul H.: *See*—
Litman, Bernard, Pavalow, Savet, and Statsinger. 2,976,733.
Savet, Paul H., to American Bosch Arma Corp. Carrier insensitive A.C. computer. 2,969,182, 1–24–61, Cl. 235—183.
Savigny, Charles: *See*—
Bouffilh, Raymond, and Savigny. 2,976,785.
Saville, Harold, and R. M. Dakin. Minimum fuel flow control responsive to altitude and flight speed. 2,984,069, 5–16–61, Cl. 60—39.28.
Savino, Michael T. Charcoal cooking grill igniting means. 3,013,551, 12–19–61, Cl. 126—29.
Savit, Carl H., to Western Geophysical Co. of America. Method and apparatus for seismographic surveying. 3,005,184, 10–17–61, Cl. 340—15.
Savitsky, Daniel: *See*—
Haar, Marvin I., Lueders, Prowse, Savitsky, and Van Dyck. 2,991,745.
Savitt, Jacob, to United States of America, Navy. Simple explosive train arming method. 3,002,456, 10–3–61, Cl. 102—70.
Savitz, Donald A.: *See*—
Infantino, Joseph R., and Savitz. 2,980,965.
Savory, David B., to General Electric Co. Condition responsive oscillator with protective control means. 3,005,166, 10–17–61, Cl. 331—62.
Sawada, Yasuhiro: *See*—
Tsujihata, Keiji, and Sawada. 3,009,691.
Sawaya, Olive R. Pie dough perforator, fluter and trimmer. 2,998,786, 9–5–61, Cl. 107—49.
Sawdey, Richard R.: *See*—
Rowe, Walter C., and Sawdey. 2,996,095.
Rowe, Walter C., and Sawdey. 2,996,420.
Sawyer, Charles B., to Sawyer Research Products, Inc. Production of artificial crystals. 3,013,867, 12–19–61, Cl. 23—301.
Sawyer, Charles H. V., and P. E. Landeg, to C.D. Patents Ltd. Fluid pressure overload relief devices. 2,977,020, 3–28–61, Cl. 220—89.
Sawyer, Edgar W., Jr.: *See*—
Goodwin, Manfred E., Sawyer, and Smith. 2,969,337.
Sawyer, Edgar W., Jr., and J. A. Polon, to Minerals & Chemicals Philipp Corp. Toxicant carrier and pesticidal composition containing same. 2,967,127, 1–3–61, Cl. 167—42.
Sawyer, Edgar W., Jr., and W. L. Haden, Jr., to Minerals & Chemicals Philipp Corp. Clay-bodied lubricant containing a silicate ester. 2,990,367, 6–27–61, Cl. 252—28.
Sawyer, Edward L. Anti-snag device for fishing lines. 3,011,284, 12–5–61, Cl. 43—42.72.
Sawyer, Emerson D. Safe means for interchanging hand operation for motor operation. 2,984,123, 5–16–61, Cl. 74—625.
Sawyer, Frederick D., 25% to W. A. Schaich. Cotton cleaning apparatus. 2,990,585, 7–4–61, Cl. 19—67.
Sawyer, George M. Seed growth display apparatus. 2,993,300, 7–25–61, Cl. 47—1.2.
Sawyer, Harold E.: *See*—
Pingree, Frederick W., Walden, and Sawyer. 3,006,002.

Sawyer, James T., and J. K. Flora, to Compudyne Corp. Arbitrary function generator. Re. 25,032, 8–22–61, Cl. 338—89.

Sawyer, Preston, A. J. Hoffler, R. A. Dewey, and E. S. Clarke III, to United States of America, Navy. Rigging means for ship's load-transfer device. 3,012,518, 12–12–61, Cl. 104—114.

Sawyer Research Products, Inc.: *See*—
Sawyer, Charles B. 3,013,867.

Sawyer, Robert W., to General Electric Co. Tube-in-strip electric resirtance heater. 3,010,091, 11–21–61, Cl. 338—243.

Sawyer's Inc.: *See*—
Golden, Kenneth E. 3,005,378.

Sax, Karl J.: *See*—
Barnum, Emmett R., Mahoney, and Sax. 3,006,852.

Saxe Bros., Inc.: *See*—
Saxe, Eliot. 2,988,315.

Saxe, Eliot, to Saxe Bros., Inc. Snap-catch wall bracket assembly. 2,988,315, 6–13–61, Cl. 248—223.

Saxe, Harold A., to Western Electric Co., Inc. Folded dipole antenna with internally mounted loading means. 2,972,146, 2–14–61, Cl. 343—749.

Saxenmeyer, George J., to International Business Machines Corp. Shift register. 2,975,365, 3–14–61, Cl. 328—37.

Saxmar, Duane S., to Kennametal Inc. Cutting tool bit and holder. 2,976,028, 3–21–61, Cl. 262—33.

Saxon, Robert, to American Cyanamid Co. Insulated electrical conductor and method of making the same. 2,994,623, 8–1–61, Cl. 117—232.

Saxon, Robert, and M. T. Burgess, to American Cyanamid Co. Resinous composition comprising an acrylonitrile polymer and an alkyl bis (cyanoethyl) amino propionate ester. 2,990,392, 6–27–61, Cl. 260—31.2.

Saxton, Arthur C.: *See*—
Vettel, Joseph A., Sr., Saxton, Zabel, and Cipolone. 3,002,624.

Saxton, Bristowe B.: *See*—
Marsden, John E., Gee, and Saxton. 3,004,516.

Saxton, James B. Machine for bundling and baling trees. 2,974,457, 3–14–61, Cl. 53—124.

Saxton, Ronald L., to E. I. du Pont de Nemours and Co. Extruder mixing screw. 3,006,029, 10–31–61, Cl. 18—12.

Sayers, Garth R.: *See*—
Weiss, Irwin K., Mair, Jackman, Brown, and Sayers. 2,978,253.

Sayers, Marshall J.: *See*—
Anderson, Charles M., and Sayers. 2,973,095.

Sayigh, Adnan A. R., to The Carwin Co. Method of purifying benzidines. 2,996,546, 8–15–61, Cl. 260—571.

Saykay, Joseph J., to Fairchild Camera and Instrument Corp. Coding apparatus. 2,972,015, 2–14–61, Cl. 178—17.

Sayre, Charles H.: *See*—
Probst, Robert L., Karp, Sayre, and Beebe. 2,968,062.

Sayre, Edwin D.: *See*—
Denny, John P., Sayre, and Zimmerman. 2,994,124.

Sayre, Howard S., to Fuller Co. Bin discharge apparatus. 3,009,607, 11–21–61, Cl. 222—195.

Sayre, Kenneth L., to The B. F. Goodrich Co. High fluidity process for polymerizing vinylidene cyanide. 2,975,158, 3–14–61, Cl. 260—78.5.

Sayre, Paul L., H. B. Levey, R. W. Dieckman, and R. Henderson, to M. H. Treadwell Co., Inc. Mobile apparatus for oxygen refining of metal 3,013,789, 12–19–61, Cl. 266—36.

Sayre, Robert K.: *See*—
Ostergaard, Palle C., and Sayre. 3,012,547.

Sayre, Virgil A. Endless mower. 3,006,129, 10–31–61, Cl. 56—292.

Saywell, Robert S., Jr. Fishing float and line depth adjusting assembly. 2,983,067, 5–9–61, Cl. 43—44.88.

Sazynski, John J., and J. F. White, to General Motors Corp. Surface irregularity detector. 2,970,256, 1–31–61, Cl. 324—37.

Sbiroli, Vincent: *See*—
Riccobono, Joseph M., and Sbiroli. 3,001,325.

Scadron, Marvin, to Aero Research Instrument Co., Inc. Connector for thermocouples. 2,994,733, 8–1–61, Cl. 174—77.

Scalari, Francesco: *See*—
Natta, Guilio, Pasquon, Giachetti, and Scalari. 2,971,950.

Scalera, Eugene D.: *See*—
Tully, Paul R., and Scalera. 2,990,582.

Scalera, Mario, A. S. Tomcufcik, and W. B. Hardy, to American Cyanamid Co. Nitro- and amino-naphthotriazole quinones. 2,967,863, 1–10–61, Cl. 260—250.

Scallon, Frank J. Ventilating device. 3,011,422, 12–5–61, Cl. 98—37.

Scalora, Anthony J.: *See*—
Richie, Carlton A., and Scalora. 3,013,304.
Richie, Carlton A., and Scalora. 3,013,306.

Scalzitti, Edward, and E. Ragon. Leg supporting apparatus. 2,978,713, 4–11–61, Cl. 5—327.

Scammon, Henry G. Loader for counter molding apparatus. 2,980,932, 4–25–61, Cl. 12—66.

Scandura Inc.: *See*—
Porczynski, Zbigniew K. 2,996,872.

Scandurra, Aldo M.: *See*—
Dolin, Martin, Scandurra, and Poulos. 2,974,403.

Scanley, Clyde S., K. Matsuda, and R. A. Coleman, to American Cyanamid Co. Gasoline containing antioxidants. 2,970,897, 2–7–61, Cl. 44—63.

Scanley, Clyde S., and E. K. Fields, to Standard Oil Co. 2,6-bisalkyldithio-1,4-pyrone. 2,983,733, 5–9–61, Cl. 260—327.

Scanley, Clyde S., and S. A. Buckler, to American Cyanamid Co. Phosphine-aldehyde derivatives as gasoline additives. 2,984,551, 5–16–61, Cl. 44—63.

Scanlon, Edward C. Carafe. 2,987,212, 6–6–61, Cl. 220—17.

Scanlon, Wayne W., to United States of America, Navy. Infra-red image system. 2,989,643, 6–20–61, Cl. 250—230.

Scan-O-Matic Co., The: *See*—
Lonaberger, Robert F. 2,994,994.

Scanwell Laboratories, Inc.: *See*—
Watts, Chester B., Jr. 2,972,145.
Watts, Chester B., Jr. 3,008,101.

Scapple, Robert Y., and J. I. Stillman, to Hughes Aircraft Co. High temperature flexible hollow tube waveguide. 3,008,104, 11–7–61, Cl. 333—95.

Scaramucci, Domer. Wire line oil saver for use with cylindrical packing. 2,968,500, 1–17–61, Cl. 286—16.

Scaramucci, Domer. Long life cylindrical packing for oil savers and like devices. 2,968,505, 1–17–61, Cl. 288—13.

Scaramuzzi, Anthony. Vertical chutes. 3,005,531, 10–24–61, Cl. 193—27.

Scarborough, William E.: *See*—
Talbert, Milton L., and Scarborough. 2,990,025.

Scarborough, William F., and G. Tieri, to Weber-Costello Co. Globe mounting. 2,971,276, 2–14–61, Cl. 35—46.

Scarbrough, Abb L.: *See*—
Hochner, Walter L., and Scarbrough. 2,981,589.

Scarbrough, Alfred D.: *See*—
Nyberg, James J., and Scarbrough. 3,015,091.

Scarbrough, Alfred D., to Thompson Ramo Wooldrige Inc. Anti-saturation circuits for transistor amplifiers. 2,990,478, 6–27–61, Cl. 307—88.5.

Scardaville, Paul A.: *See*—
Kumins, Charles A., Scardaville, and Frieser. 2,993,065.

Scarff, Ted R.: *See*—
Moeller, John D., Scarff, and Sturm. 2,986,094.

Scarlett, Robert R. Sheet grip. 3,000,662, 9–19–61, Cl. 294—86.

Scarnato, Thomas J., and A. L. Berzinski, to International Harvester Co. Mounting means for a tractor mower. 3,014,328, 12–26–61, Cl. 56—25.

Scarpa, Thomas J., to Gulton Industries, Inc. Ultrasonic control circuit. 2,995,689, 8–8–61, Cl. 318—37.

Scarpelli, Joseph A.: *See*—
Brynko, Carl, and Scarpelli. 2,969,331.

Scarr, John, and B. R. Walsh, to Gulf Research & Development Co. Meter controlled proportioning valve. 2,984,388, 5–16–61, Cl. 222—71.

Scarrott, Gordon G., to Ferranti, Ltd. Devices for the recognition of printed characters. 2,985,366, 5–23–61, Cl. 235—61.11.

Scarrott, Gordon G., to Ferranti, Ltd. Electro-acoustic delay-line. 3,011,136, 11–28–61, Cl. 333—30.

Scarvelis, Gus, to Continental Can Co., Inc. Static load tester. 2,968,179, 1–17–61, Cl. 73—95.

Scata, Mario: *See*—
Dal Bianco, Bruno, and Scata. 3,014,102.

Scatena, Massimo: *See*—
Patron, Germano, and Scatena. 3,007,853.

Scauzillo, Frank R.: *See*—
Baker, Charles O., and Scauzillo. 3,010,537.

Scavullo, Angelo C., to Legion Utensils Co., Inc. Process of producing cooking utensils. 2,967,134, 1–3–61, Cl. 204—25.

Scavuzzo, William J., to Purolator Products, Inc. Filter unit. 2,979,021, 4–11–61, Cl. 116—117.

Scavuzzo, William J., to Purolator Products, Inc. Filter unit. 3,000,505, 9–19–61, Cl. 210—132.

Schaaf, Robert L., C. T. Lenk, and H. Rosenberg; said Schaaf and said Lenk assors. to Wyandotte Chemical Corp. Symmetrical siloxanylferrocenes. 3,010,982, 11–28–61, Cl. 260—439.

Schaap, Luke A., to Standard Oil Co. Isobutylbenzene preparation. 2,995,610, 8–8–61, Cl. 260—668.

Schaar, Charles H., to The Kendall Co. Heat-sealed polyethylene terephthalate package. 3,012,659, 12–12–61, Cl. 206—46.

Schaar, Charles H., to The Kendall Co. Differential heat-sealability in differentially crystalline sheet materials, products made therefrom and process and apparatus for making. 3,012,918, 12–12–61, Cl. 154—46.

Schaar, Erich. Mono-rail railroad. 2,976,820, 3–28–61, Cl. 105—141.

Schaarschmidt, Edward C.: *See*—
Benzing, Walter C., Schaarschmidt, and Grammer. 3,014,791.

Schabert, Robert: *See*—
Graulich, Wilhelm, Sinn, Nottebohm, and Schabert. 2,999,773.

Schachner, Herbert, to Institut Dr. Ing. Reinhard Straumann A.G. Dry lubrication. 2,993,567, 7–25–61, Cl. 184—1.

Schacht, Arthur P.: *See*—
Booth, William J., and Schacht. 2,995,353.

Schacht, Elmer C., to Norton Co. Abrasive disc. 2,997,819, 8–29–61, Cl. 51—195.

Schacht, Ewald. Choke with contacting finger and sleeve surfaces of concentric arcs. 2,977,702, 4–4–61, Cl. 42—79.

Schachter, Friedrich. Ball point pen. 2,969,583, 1–31–61, Cl. 29—148.4.

Schackmann, Heinrich, C. Kayser, and H. Albrecht. Filtration of sludges. 2,991,884, 7–11–61, Cl. 210—73.

Schad, Harold: *See*—
Hilpman, Paul, Albert, and Schad. 2,972,399.

Schad, Robert D., to E. Dent and J. Vallis. Apparatus for forming brushes. 3,004,291, 10–17–61, Cl. 18—42.

Schade, Harald J. G. Sieve structures. 2,999,598, 9–12–61, Cl. 210—488.

Schade, Otto H., Sr., to Radio Corp. of America. Self-shielded electron tube. 2,995,673, 8–8–61, Cl. 313—265.

Schade, Willy, to Eastman Kodak Co. High resolution photographic objectives. 2,983,193, 5–9–61, Cl. 88—57.

Schaedler, Raymond J., to Chicago Pneumatic Tool Co. Universal joint for driving impact wrench sockets. 3,012,420, 12–12–61, Cl. 64—7.

Schaefer, Carl A., and W. C. Karch, to Square D Co. Switch mechanism. 2,982,830, 5–2–61, Cl. 200—83.

Schaefer, Charles F. Adhesive applying apparatus. 3,000,347, 9–19–61, Cl. 118—245.

Schaefer, Earl F.: *See*—
Parmer, Jess H., and Schaefer. 2,995,533.

Schaefer, Edison T. Directional thrust control means. 2,981,501, 4–25–61, Cl. 244—52.

Schaefer, Edward E. Display hanger. 2,967,623, 1–10–61, Cl. 211—45.

Schaefer, Edward J. Protective means for submersible pump-motors. 2,972,708, 2–21–61, Cl. 317—13.

Schaefer, Edward J. Liquid level control system. 2,975,347, 3–14–61, Cl. 318—240.

Schaefer, Edward J. Apparatus for and method of casting. 2,991,518, 7–11–61, Cl. 22—73.

Schaefer, Edward J. Lubricator system. 2,999,725, 9–12–61, Cl. 308—78.

Schaefer Equipment Co.: *See*—
Cale, Roland E. 2,968,976.

Schaefer, Erhard: *See*—
Markgraf, Otto, Schuster, Herrle, Boehm, and Schaefer. 2,969,271.

Schaefer, Hans F., Jr., and R. K. Jenner, Jr., to United Shoe Machinery Corp. Work feeding and guiding means. 2,979,745, 4–18–61, Cl. 12—55.

Schaefer, Harald, to W. C. Heraeus, G.m.b.H. Method of producing pure silicon. 2,989,376, 6–20–61, Cl. 23—223.5.

Schaefer, Harold W., and F. W. Edwards, to Philco Corp. Refrigeration apparatus and methods of manufacturing the same. 2,966,781, 1–3–61, Cl. 62—523.

Schaefer, John W., to A. O. Smith Corp. Tightening and cushioning device for endless driven members. 3,007,344, 7–11–61, Cl. 74—242.14.

Schaefer, Kenneth A., and R. K. Sedgwick, to Kearney & Trecker Corp. Machine tool for removing material from a container. 3,004,275, 10–17–61, Cl. 15—104.1.

Schaefer, Louis F., and A. Macovski, to Radio Corp. of America. Synchronous detector. 2,967,237, 1–3–61, Cl. 250—20.

Schaefer, Ralph A., to Clevite Corp. Bearing and method of making same. 3,004,333, 10–17–61, Cl. 29—191.2.

Schaefer, Raymond F.: *See*—
Kosson, Robert L., and Schaefer. 2,995,892.

Schaefer, Robert H., to General Electric Co. Aerodynamic nozzle. 2,969,641, 1–31–61, Cl. 60—35.6.

Schaefer, Waldemar. Convertible shoe mechanism. 3,012,341, 12–12–61. Cl. 36—2.5.

Schaefers, Elvin J. Display apparatus. 3,001,309, 9–26–61, Cl. 40—129.

Schaeffer, Bernarr C., to said B. C. and R. A. Schaeffer. Massaging device. 2,976,867, 3–28–61, Cl. 128—57.

Schaeffer, Carl F., to United Aircraft Corp. Synchronizer for tracking computers. 3,006,542, 10–31–61, Cl. 235—61.5.

Schaeffer, George A., to Steamaster Co., Inc. Steam gun. 2,998,924, 9–5–61, Cl. 239—136.

Schaeffer, John R., to The Procter & Gamble Co. Solid organic bleach compositions. 3,007,876, 11–7–61, Cl. 252—99.

Schaeffer, Robert O.: *See*—
Sinden, Alfred D., and Schaeffer. 2,973,084.

Schaeffer, Ruth A.: *See*—
Schaeffer, Bernarr C. 2,976,867.

Schaeffer, William D., to Union Oil Co. of California. Amidomethylation of aromatic hydrocarbons. 2,969,392, 1–24–61, Cl. 260—562.

Schaeffer, William D., and F. H. Seubold, Jr., to Union Oil Co. of California. Dechlorination of chloromethyl compounds. 2,977,395, 3–28–61, Cl. 260—668.

Schaeffer, William D., and A. C. McKinnis, to Union Oil Co. of California. Methylation of aromatic hydrocarbons. 2,988,576, 6–13–61, Cl. 260—668.

Schaeffler, Georg, to Industriewerk Schaeffler O.H.G. Needle or roller bearing. 2,969,266, 1–24–61, Cl. 308—212.

Schaeren, Walter H., and B. Taubert. Device for inserting and removing watch crystals. 3,013,330, 12–19–61, Cl. 29—210.

Schaerer, Theodore H. Pre-set pleating strip and method of pleating. 3,011,174, 12–5–61, Cl. 2—278.

Schaevitz Engineering: *See*—
Brosh, Amnon. 2,985,854.

Schafer, Curtiss R. Alternating current bridges. 2,968,180, 1–17–61, Cl. 73—304.

Schafer, Fridolin, to Firma Robert Bosch G.m.b.H. Commutators for electric machines. 2,990,489, 6–27–61, Cl. 310—235.

Schafer, Fridolin, and K. Wick, to Firma Robert Bosch G.m.b.H. Commutators and method of making the same. 2,990,488, 6–27–61, Cl. 310—235.

Schafer, Glen H.: *See*—
Cecil, Edward C., Stern, and Schafer. 2,998,299.

Schafer, Hans, to Pfenning-Schumacher-Werke. Plastic button with through-pattern. 3,001,255, 9–26–61, Cl. 24—90.

Schäfer, Helmut: *See*—
Eisele, Erwin, and Schäfer. 3,008,458.

Schafer, John G.: *See*—
Fessler, William A., Hutter, Schafer, and Stricker. 2,991,193.

Schafer, John P., to Bell Telephone Laboratories, Inc. Nonreciprocal wave transmission. 2,972,122, 2–14–61, Cl. 333—73.

Schafer, John V. Collar connection. 2,983,006, 5–9–61, Cl. 24—73.

Schafer, Joseph E., 21⅔% to P. A. Dechant, 21⅔% to S. Jacobs, and 21⅔% to B. Jacobs. Fish net retriever rig. 2,993,292, 7–25–61, Cl. 43—8.

Schafer, Kenneth A., and H. D. Boggs, to H. D. Boggs Co., Ltd. Apparatus for manufacturing plastic pipe. 2,994,919, 8–8–61, Cl. 18—26.

Schafer, Leonhard. Pastry folder. 2,969,025, 1–24–61, Cl. 107—8.

Schafer, Robert H.: *See*—
Patterson, George W., Schafer, and Stevens. 3,014,660.

Schafer, Robert H., to Burroughs Corp. Keyboard checking apparatus. 2,989,729, 6–20–61, Cl. 340—147.

Schafer, Wilhelm, O. Sanger, and M. Schutz, to Ernst Leitz G.m.b.H. Focusing mount for photographic and cinematographic objectives. 2,994,258, 8–1–61, Cl. 95—45.

Schaffel, Gerson S., to Scientific Design Co., Inc. Chemical process. 3,009,005, 11–14–61, Cl. 260—681.

Schaffer, Arthur. All-purpose rake. 2,989,836, 6–27–61, Cl. 56—400.15.

Schaffer, Benjamin M.: *See*—
Vassallo, Onofrio, La Marca, and Schaffer. 3,011,824.

Schaffer, Harvey. Resilient chair. 2,981,315, 4–25–61, Cl. 155—54.

Schaffer, Lyle E., to Standard Oil Co. Automatic credit card accounting system. 2,975,282, 3–14–61, Cl. 250—65.

Schaffer, Stanley C.: *See*—
Reich, William N. 2,985,288.

Schaffert, Roland M., to Xerox Corp. Xerographic plate of high quantum efficiency. 3,003,869, 10–10–61, Cl. 96—1.

Schaffützel, Niklaus: *See*—
Sigg, Walter, Külling, and Schaffützel. 2,992,166.

Schaffner, Carl P.: *See*—
Greenspan, George, and Schaffner. 2,968,595.

Schaffner, Eugene H.: *See*—
Walsh, Hubert J. 2,984,131.

Schaffner, John F. Expansion anchor bolt. 3,014,399, 12–26–61, Cl. 85—2.4.

Schafter, Paul, and K. Kirchhoff, to Isco Optische Werke G.m.b.H. Anamorphotic attachment. 3,002,427, 10–3–61, Cl. 88—57.

Schagen, Pieter, and B. W. Manley, to North American Philips Co., Inc. Circuit arrangements including charge storage tubes and to charge storage tubes. 2,986,673, 5–30–61, Cl. 315—12.

Schagen, Pieter, and N. D. R. Calder, to North American Philips Co., Inc. Cathode ray tube. 2,999,957, 9–12–61, Cl. 313—79.

Schager, Gerold: *See*—
Figdor, Hans, Kindl, Maiwald, Schager, and Zecha. 2,986,042.

Schaible, Adam L., Jr. Machine for salvaging metal in printing plates. 2,993,524, 7–25–61, Cl. 154—1.

Schaich, Wilbur A.: *See*—
Sawyer, Frederick D. 2,990,585.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method of making cast shapes. 2,971,239, 2–14–61, Cl. 25—155.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Closure and ball applicator assembly. 2,981,968, 5–2–61, Cl. 15—572.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Dual purpose shipping carton. 2,986,321, 5–30–61, Cl. 229—23.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method and apparatus for trimming blown hollow plastic articles. 2,988,776, 6–20–61, Cl. 18—5.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method and apparatus for trimming blown plastic articles. 2,994,103, 8–1–61, Cl. 18—5.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method and apparatus for forming hollow plastic articles. 3,000,050, 9–19–61, Cl. 18—5.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method and apparatus for manufacture of hollow articles from tubing. 3,000,051, 9–19–61, Cl. 18—5.

Schaich, Wilbur A., to Owens-Illinois Glass Co. Method and apparatus for forming and trimming hollow plastic articles. 3,003,187, 10–10–61, Cl. 18—5.

Schake, Richard P.: *See*—
Barry, Austin W., and Schake. 2,974,279.

Schake, Richard P., to Daystrom, Inc. Electrical relay. 3,010,026, 11–21–61, Cl. 250—231.

Schalk, Robert F., to Western Electric Co., Inc. Control apparatus. 2,979,175, 4–11–61, Cl. 192—12.

Schall, Louis H., to Raytheon Co. Magnetron current control systems. 2,979,671, 4–11–61, Cl. 331—87.

Schallehn, Wolf: *See*—
Lueg, Heinz, Schallehn, and Toedter. 3,003,147.

Schaller, Edward M.: *See*—
Nigrelli, Biagio J., Standley, Schaller, and Wittmann. 2,997,833.

Schallus, Erich: *See*—
Gabler, Hellmut, Schallus, and Vogt. 2,997,434.

Schalm, Oscar W., and D. O. Noorlander, to The Regents of the University of California. Solution for testing for polymorphonuclear leukocytes. 2,998,392, 8–29–61, Cl. 252—408.

Schamel, Clyde H.: *See*—
Garvey, Louis P., and Schamel. 2,983,545.
Schaner, Burton E.: *See*—
Glatter, Jacob, Schaner, and Burke. 2,991,601.
Schaner, Burton E., to United States of America, Atomic Energy Commission. Fissile material and fuel elements for neutronic reactors. 2,996,443, 8–15–61, Cl. 204—193.2.
Schaper, Donald W., to The Morgan Engineering Co. Multiple hoist apparatus. 2,973,942, 3–7–61, Cl. 254—188.
Schaper Mfg. Co., Inc.: *See*—
Schaper, William H. 2,998,973.
Schaper, William H. Fortune-telling game. 2,996,300, 8–15–61, Cl. 273—161.
Schaper, William H., to Schaper Mfg. Co., Inc. Game apparatus. 2,998,973, 9–5–61, Cl. 273—1.
Schappel, Joseph W., to American Viscose Corp. Treatment of silica coated fibers. 2,983,625, 5–9–61, Cl. 117—76.
Schappel, Joseph W., to American Viscose Corp. Production of soil-resistant material. 2,999,774, 9–12–61, Cl. 117—139.5.
Schardein, Daniel J.: *See*—
Cybriwsky, Alexander, Hager, and Schardein. 2,990,304.
Schardt, Gerald W., to Wilson Products Mfg. Co. Epoxy resin composition containing cork or balsa wood and preparation of expanded product therefrom. 2,993,014, 7–18–61, Cl. 260—2.5.
Scharf, Murray M., to Louis Milani Foods, Inc. Chicken concentrate and method of making same. 2,968,569, 1–17–61, Cl. 99—208.
Scharf, Reinhard W., to Phillips Petroleum Co. Composite propellant reinforced with nitrogen compounds. 2,995,430, 8–8–61, Cl. 52—.5.
Scharf, Walter G., to Metal Film Co., Inc. Lustrous fabrics and methods of producing same. 2,974,055, 3–7–61, Cl. 117—4.
Scharfenberg, Howard E., to Chrysler Corp. Neutral push button transmission control and starter switch. 2,989,958, 6–27–61, Cl. 123—179.
Scharfenberger, Irvin T. Workman's supporting device. 2,979,155. 4–11–61, Cl. 182—222.
Scharfman, Howard, to Raytheon Co. Waveguide transducer. 2,975,380, 3–14–61, Cl. 333—9.
Scharla-Nielsen, Hans, D. D. McRae, and F. D. J. McLamb, to Radiation, Inc. Radio frequency amplifier. 2,981,896, 4–25–61, Cl. 330—53.
Schärli, Otto, to Aktiengesellschaft Brown, Boveri & Cie. Semiconductor rectifiers. 2,975,343, 3–14–61, Cl. 317—234.
Schaschl, Edward: *See*—
Littler, Robert L., and Schaschl. 3,014,788.
Marsh, Glenn A., and Schaschl. 2,976,123.
Marsh, Glenn A., and Schaschl. 2,983,688.
Marsh, Glenn A., and Schaschl. 2,987,672.
Marsh, Glenn A., and Schaschl. 2,991,439.
Schaschl, Edward, to The Pure Oil Co. Corrosion test probe. 2,987,685, 6–6–61, Cl. 338—10.
Schaschl, Edward, to The Pure Oil Co. Corrosion test probe. 2,994,219, 8–1–61, Cl. 73—86.
Schaschl, Edward, and G. A. Marsh, to The Pure Oil Co. Corrosion test probe. 3,004,232, 10–10–61, Cl. 338—13.
Schat, Bralt R.: *See*—
Smit, Nicolaas W., and Schat. 2,992,286.
Schat, Marinus L.: *See*—
Atkinson, Alan M., and Schat. 2,984,198.
Schatz, George W., and J. E. Cohen, to Hughes Aircraft Co. Step function acceleration machine. 2,982,122, 5–2–61, Cl. 73—12.
Schatz, Paul. Arrangement for producing a rotary and wobbling movement of a part through the agency of an invertible kinematic chain. 2,991,657, 7–11–61, Cl. 74—1.
Schatz, Ralph H.: *See*—
Claiborne, Earl B., and Schatz. 3,002,962.
Schatz, Ralph H., L. D. Etherington, and D. S. Malsel, to Esso Research and Engineering Co. Recovering polymer oil from spent clay. 2,992,180, 7–11–61, Cl. 208—1.
Schatzki, Erich. Mechanism for controlling relatively high velocity flow of fluids longitudinally through and laterally from ambulant conduit means. 3,002,342, 10–3–61, Cl. 60—35.54.
Schatzman, George W., to Houdaille Industries, Inc. Fender shield structure. 2,977,136, 3–28–61, Cl. 280—153.
Schatzman, Herman M. Burglar-proof grille for automobile door windows. 2,992,850, 7–18–61, Cl. 296—44.
Schatzschock, Adolf, and A. Weitzel. Method for forming filing tools. 2,976,747 3–28–61, Cl. 76—101.
Schaub, Benton H. Automatic accessory control for magnetic particle shock absorbers. 3,006,656, 10–31–61, Cl. 280—112.
Schaub, Franz: *See*—
Tramm, Heinrich, Schaub, and Ruggeberg. 3,002,871.
Schaub, Gordon C., to Corn Products Co. Rotary filling machine. 2,987,082, 6–6–61, Cl. 141—141.
Schaub, Robert E., and M. J. Weiss, to American Cyanamid Co. 2γ-halo-4,9(11),16-pregnatriene-3,20-diones. 2,998,433, 8–29–61, Cl. 260—397.3.
Schaufelberger, Henry W., and E. J. Welch, to Western Electric Co., Inc. Contact spring holding fixture. 2,998,789, 9–5–61, Cl. 113—99.
Schaum, Clyde F. Lifter. 2,973,218, 2–28–61, Cl. 294—1.
Schaumann, H. W.: *See*—
Meyer, Helmut. 2,993,021.
Schaus, Arthur, to Dorr-Oliver Inc. Treatment of by-product gypsum. 3,004,827, 10–17–61, Cl. 23—122.
Schayes, Raymond G., to North American Philips Co., Inc. Push-pull amplifier. 2,979,665, 4–11–61, Cl. 330—14.
Schayes, Raymond G., and G. J. Fooy, to North American Philips Co., Inc. Trigger circuit-arrangement comprising two transistors. 2,986,651, 5–30–61, Cl. 307—88.5.
Schechter, William H.: *See*—
Bush, Jack D., Carpenter, and Schechter. 3,014,059.
Huff, George F., and Schechter. 2,992,072.
Schechter, William H., to Callery Chemical Co. Method of preparing boron trichloride from boric oxide and silicon tetrachloride. 2,983,583, 5–9–61, Cl. 23—205.
Schecter, George, and C W. Musser, to United States of America, Army. Recoilless gun for light weight propellant charge. 2,994,249, 8–1–61, Cl. 89—1.7.
Scheel, Walther F., to Rockwell-Standard Corp. Axle assemblies. 3,002,762, 10–3–61, Cl. 280—81.5.
Scheeler, Frederick H., and R. J. Carrozza, to Admiral Corp. Printed circuit printing machine. 2,997,948, 8–29–61, Cl. 101—126.
Scheemaeker, Emile. Safety pin. 3,001,259, 9–26–61, Cl. 24—156.
Scheer, George B., to Henry J. Kaiser Co. Stabilization of D.C. shunt motors. 3,005,138, 10–17–61, Cl. 318—332.
Scheer, Herman C., to International Business Machines Corp. Printing transferring machine. 3,007,402, 11–7–61, Cl. 101—134.5.
Scheerer, Walter, to International Business Machines Corp. Accumulator and counter mechanism. 2,974,861, 3–14–61, Cl. 235—92.
Schefer, Eli I.: *See*—
Brand, Harry R., and Schefer. 2,981,669.
Scheffer, Ervin B. Live chinchilla fur brushing apparatus. 2,976,841, 3–28–61, Cl. 119—83.
Scheffler, Friedrich: *See*—
Seulen, Gerhard W., Scheffler, and Gehrmann. 2,995,641.
Scheffler, Paul H., Jr., to Westinghouse Electric Corp. Turbine apparatus. 2,991,845, 7–11–61, Cl. 184—6.
Scheffold, Hermann, to Photogrammetrie G.m.b.H. Exchangeable photographic objective. 2,997,935, 8–29–61, Cl. 95—45.
Schefman, Fred, to Lee-Ray Industries. Key holder and ejector. 2,989,861, 6–27–61, Cl. 70—414.
Scheftelowitz, Henry, to Telefonaktiebolaget L M Ericsson. Device for representing a voltage in the shape of a code. 2,974,282, 3–7–61, Cl. 324—99.
Scheg, Marcian A.: *See*—
Craig, Frank S., Howard, and Scheg. 2,975,268.
Schegk, Ernst: *See*—
Schlör, Hanshelmut, Schegk, and Schrader. 2,983,748.
Schegk, Ernst, H. Schlör, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Phosphonic acid esters. 3,014,943, 12–26–61, Cl. 260—461.
Scheib, Bernard J., N. E. Lazarus, and M. T. Sullivan, to Lazarus Laboratories, Inc. Water soluble iodine-phosphoric-acid-synthetic detergent composition. 2,977,315, 3–28–61, Cl. 252—106.
Scheibe, Walter H. Net without knots. 2,996,905, 8–22–61, Cl. 66—192.
Scheible, Howard G., to Vitro Corp. of America. Electrophoretic dispersion. 2,982,707, 5–2–61, Cl. 204—181.
Scheidenheim, Earl L., to H. D. Hume. Tine retainer for harvester reels. 2,994,181, 8–1–61, Cl. 56—400.
Scheidig, Helmut: *See*—
Gruber, Helmut, and Scheidig. 2,971,996.
Gruber, Helmut, and Scheidig. 2,978,525.
Gruber, Helmut, and Scheidig. 2,996,559.
Gruber, Helmut, Scheidig, Pieper, Muller, and Bussard. 2,976,339.
Scheidig, Rudolf: *See*—
Steinbach, Heinz, and Scheidig. 2,980,891.
Scheidig, Rudolf, to International Standard Electric Corp. Reed-contact thermo relay. 3,008,019, 11–7–61, Cl. 200—88.
Scheidt, James E.: *See*—
Junck, John A., and Scheidt. 2,971,536.
Schein, Henry, to Imperial Electronics, Inc. Vibratory passive exerciser. 2,980,109, 4–18–61, Cl. 128—63.
Scheirer, David E., to Allied Chemical Corp. Continuous rapid quantitative determination of halogenated organic compound inhibitor in ethylene oxide plant recycle gas. 3,001,917, 9–26–61, Cl. 204—1.
Scheirer, Sherwood G.: *See*—
Davis, Charles H., and Scheirer. 3,007,290.
Scheiterlein, Andreas, to H. List. Engine with reciprocating pistons. 2,985,156. 5–23–61, Cl. 123—41.74.
Scheitlin, George E., and W. W. Julbert, to Arvin Industries, Inc. Rear view mirror. 2,995,982, 8–15–61, Cl. 88—77.
Schekowski, Herbert O. Windshield wiper blade trimming device. 2,973,577, 3–7–61, Cl. 30—272.
Scheldorf, Marvel W., to Andrew Corp. Radiation suppressor. 2,986,735, 5–30–61, Cl. 343—828.
Scheldorf, Owen H., to General Electric Co. Hermetic compressor unit mounting means. 2,977,043, 3–28–61, Cl. 230—235.
Scheldorf, Owen H., to General Electric Co. Compressor including improved discharge valve arrangement. 2,997,060, 8–22–61, Cl. 137—516.13.
Scheldorf, Owen H., to General Electric Co. Self-aligning bearing construction. 2,988,405, 6–13–61, Cl. 308—72.
Scheldrup, Alfred H. Rail guide carriage for vehicles. 2,968,260, 1–17–61, Cl. 105—215.
Schelkmann, Wilhelm. Working method for recapping and repairing tires. 2,966,936, 1–3–61, Cl. 154—14.
Schell, Allan C., to United States of America, Air Force. Phase stable amplifier. 2,976,493, 3–21–61, Cl. 330—107.

Schell, James H., A. Douty, and H. L. Faigen, to Amchem Products, Inc. Inhibitor composition. 2,999,811, 9–12–61, Cl. 252—8.55.
Scheller, Hans, and W. Ullmann, to Gebr. Scheller. Needle arrangement for knitting machines. 3,006,171, 10–31–61, Cl. 66—88.
Scheller, Paul: *See*—
Treute, Gerhard, and Scheller. 3,003,221.
Scheller, Walter, to Ciba Ltd. Process for the recovery of niobium and/or tantalum from mixtures of their pentahalides. 2,974,007, 3–7–61, Cl. 23—21.
Scheller, Walter, to Ciba Ltd. Process for separating niobium and tantalum from materials containing these metals. 2,998,298, 8–29–61, Cl. 23—23.
Scheller, Wilfred R., to AMP Inc. Plug contactor. 2,980,883, 4–18–61, Cl. 339—252.
Schellhammer, Karl-Wolfgang: *See*—
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Schelke, Robert K., and J. D. Priest, to Belden Mfg. Co. Polarized connector. 2,993,189, 7–18–61, Cl. 339—59.
Schelske, Billy J.: *See*—
Canfield, Gerald L., and Schelske. 2,967,652.
Schelton, Robert J.: *See*—
Moore, Kenneth R., Hexamer, Julian, Whiteman, and Schelton. 3,010,042.
Schemenauer, Harold L., to The Hebbe Co. Golf club carrier. 3,014,732, 12–26–61, Cl. 280—41.
Schempp, Reinhold, and J. B. Schrader, to Crucible Steel Co. of America. Nitrogen containing tool steels. 3,012,879, 12–12–61, Cl. 75—126.
Schenck, Carl, Maschinenfabrik G.m.b.H.: *See*—
Bürkner, Wolfgang. 2,979,105.
Federn, Klaus. 2,990,717.
Müller, Ludwig and G. 2,990,022.
Schenck, Hermann, and W. Wenzel. Electrical heating process and apparatus. 2,978,315, 4–4–61, Cl. 75—5.
Schenck, James. Gated amplifier having degenerative feedback means for eliminating transients. 2,974,285, 3–7–61, Cl. 328—91.
Schenck, Jay R.: *See*—
Philip, Julian E., and Schenck. 2,990,329.
Philip, Julian E., and Schenck. 3,006,813.
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Gajewski, Fred J., and Schenck. 2,974,153.
Huber, Frederic R., and Schenck. 3,013,035.
Huber, Frederic R., and Schenck. 3,013,036.
Schenck, Leslie M., to General Aniline & Film Corp. Process of preparing salt-free N-acyl taurines. 2,974,154, 3–7–61, Cl. 260—401.
Schenck, Leslie M., to General Aniline & Film Corp. Process of preparing salt-free N-acyl taurines. 2,987,526, 6–6–61, Cl. 260—401.
Schenck, Leslie M., to General Aniline & Film Corp. Process of improving the odor of sulfoalkyl esters of fatty acids. 2,999,871, 9–12–61, Cl. 260—400.
Schenck, Leslie M., to General Aniline & Film Corp. Production of ester type anionic surface active agents. 3,004,049, 10–10–61, Cl. 260—400.
Schenck, Martin: *See*—
Loechel, Wolfgang, Richter, and Schenck. 2,982,777.
Schenck, Martin, and H. Richter, to Schering A.G. 2-aminoindanes. 2,982,783, 5–2–61, Cl. 260—571.
Schenck, Robert C., and J. B. Freed, to The Duriron Co., Inc. Plug valves. 2,987,295, 6–6–61, Cl. 251—288.
Schene, Horst: *See*—
Gengenbach, Otto, and Scheen. 2,966,880.
Schenectady Varnish Co., Inc.: *See*—
Braidwood, Clinton A. 2,972,600.
Sheffer, Howard E., and Meyer. 2,982,754.
Schenee, Robert F.: *See*—
Nichols, George B. 2,979,768.
Schenk, Carl, Maschinenfabrik: *See*—
Hack, Heinrich. 3,004,666.
Schenk, George F.: *See*—
Wright, John R., and Schenk. 2,968,213.
Wright, John R., and Schenk. 2,995,065.
Schenk, Gustav, to Werkzeugmaschinenfabrik Oerlikon Buhrle & Co. Calculating machine with digit keys and function control keys. 2,975,971, 3–21–61, Cl. 235—145.
Schenk, Gustav, to Machine Tool Works Oerlikon, Administration Co. Reversing mechanism for type impression machines. 3,011,434, 12–5–61, Cl. 101—336.
Schenk, John A., and R. B. Tilney, to Alco Valve Co. System for maintaining pressure in refrigeration systems. 2,986,899, 6–6–61, Cl. 62—196.
Schenk, Rudolf: *See*—
Staege, Werner, and Schenk. 3,007,464.
Schenk, Walter, and E. Himmelhan, to Henkel & Cie, G.m.b.H. Apparatus for the continuous reaction of solid materials. 3,010,802, 11–28–61, Cl. 23—262.
Schenkel, Gerrit, to North American Philips Co., Inc. Device producing artificial reverberation for use in sound-reproduction installations. 2,994,745, 8–1–61, Cl. 179—100.2.
Schenkel, Willi, to Novotech Anstalt. Firing tool with ammunition, more particularly for use as a pin driving tool. 2,984,836, 5–23–61, Cl. 1—44.5.
Schenkengel, Emerich, to G. M. Pfaff A.-G. Presser foot for decorative stitching for sewing machines. 2,973,734, 3–7–61, Cl. 112—235.
Schenkengel, Emerich, to G. M. Pfaff A.G. Device for seam welding thermoplastic synthetic materials. 2,975,824, 3–21–61, Cl. 154—42.
Schenkengel, Emerich, to G. M. Pfaff, A.G. Method of sewing parallel rows of zig-zag stitches. 2,977,913, 4–4–61, Cl. 112—264.
Schenkengel, Emerich, to G. M. Pfaff, AG. Freely rotating looper for sewing machines. 2,988,030, 6–13–61, Cl. 112—228.
Schenker, Karl: *See*—
Druey, Jean, Isler, and Schenker. 2,980,685.
Druey, Jean, and Schenker. 3,004,979.
Schenkerman, Stanley, to Sperry Rand Corp., Ford Instrument Co. Division. Transistor-magnetic core pulse width modulating and amplifying device. 2,979,674, 4–11–61, Cl. 332—12.
Schenkerman, Stanley, to Sperry Rand Corp., Ford Instrument Co. Division. Integrator-differentiator. 2,996,250, 8–15–61, Cl. 235—183.
Schenkman, Libby. Collapsible baby carriage. 2,989,318, 6–20–61, Cl. 280—41.
Schenley Industries, Inc.: *See*—
Friedrich, Hermann, and Gosswald. 2,976,212.
Gauss, Walter, and Domagk. 2,976,279.
Goesle, Sylvan G. 2,993,287.
Goldstein, Daniel. 2,970,711.
Murtaugh, Justin J., and Caldas. 2,970,138.
Puetzer, Bruno, and Boschetti. 2,982,696.
Schepetin, Benjamin: *See*—
Richards, Thomas C., and Schepetin. 3,003,626.
Scher, Herbert I., and J. S. Dunn, to The National Plastic Products Co. Bonding panels to base surfaces. 2,983,305, 5–9–61, Cl. 154—41.
Scher, Marvin B., to United States of America, Interior. Preparation of maps. 2,968,869, 1–24–61, Cl. 33—1.
Scherbatskoy, Serge A. Dip determination. 2,967,933, 1–10–61, Cl. 250—71.5.
Scherbatskoy, Serge A. Directional radiation detector. 2,984,745, 5–16–61, Cl. 250—71.5.
Scherbatskoy, Serge A. Method and apparatus for neutron detection. 2,989,635, 6–20–61, Cl. 250—71.5.
Scherbatskoy, Serge A. Spectrometer. 2,989,637, 6–20–61, Cl. 250—83.3.
Scherbatskoy, Serge A. Radiation detector. 2,990,474, 6–27–61, Cl. 250—83.3.
Scherbatskoy, Serge A. Determining the proximity of a radiation source. 2,990,475, 6–27–61, Cl. 250—83.3.
Scherbatskoy, Serge A. Gamma ray testing. 2,997,586, 8–22–61, Cl. 250—71.5.
Scherbatskoy, Serge A. Radiation detecting. 3,008,048, 11–7–61, Cl. 250—83.3.
Scherber, Helene: *See*—
Rieseler, Hermann. 2,998,698.
Scherenberg, Hans O., to Daimler-Benz Aktiengesellschaft. Fuel supply system for an internal combustion engine. 3,010,509, 11–28–61, Cl. 158—36.3.
Scherer, George F., and O. T. Bierwagen, to Rockwell Mfg. Co. Polysulfide lubricant and sealant composition. 2,979,457, 4–11–61, Cl. 252—28.
Scherer, George J., to Cramer Posture Chair Co., Inc. Vertically adjustable table. 2,976,094, 3–21–61, Cl. 311—17.
Scherer, Hans: *See*—
Messwarb, Gunter, Denk, and Scherer. 2,971,948.
Scherer, James F. Thermo-actuator. 2,998,725, 9–5–61, Cl. 73—368.
Scherer, Karl. Key mounting for musical instruments. 3,002,413, 10–3–61, Cl. 84—423.
Scherer, Lewis F., to The Texas Pipe Line Co. Non-metallic pipe end closure. 2,977,993, 4–4–61, Cl. 138—96.
Scherer, Otto, A. Steinmetz, H. Kuhn, W. Wetzel, and K. Grafen, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Manufacture of tetrafluoroethylene. 2,994,723, 8–1–61, Cl. 260—653.3.
Scherer, Otto, H. Hahn, and G. Schneider, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for separating fluorinated ethylenes by means of mercury compounds. 3,002,032, 9–26–61, Cl. 260—653.3.
Scherfel, Otto C., to Manganese Steel Forge Co. Wire fabric. 3,008,676, 11–14–61, Cl. 245—6.
Schering A.G.: *See*—
Junkmann, Karl, Kathol, and Richter. 2,987,440.
Loechel, Wolfgang, Richter, and Schenck. 2,982,777.
Spurmann, Heinz W. 2,970,923.
Schenck, Martin, and Richter. 2,982,783.
Vogel, Helmut, Hartmann, and Spitzner. 3,005,594.
Schering Corp.: *See*—
Benica, William S. 2,986,559.
Carvajal, Fernando. 2,985,029.
Charney, William, Herzog, and Sutter. 3,014,051.
Gould, David H., Reimann, and Finckenor. 3,009,938.
Hershberg, Emanuel B., and Gebert. 3,009,936.
Herzog, Hershel L. 2,979,517.
Hlavsky, Jan, and Herzog. 3,013,945.
Nobile, Arthur. 3,010,957.
Nussbaum, Alexander L. 2,996,522.
Nussbaum, Alexander L., and Oliveto. 3,013,011.
Nussbaum, Alexander L., and Oliveto. 3,013,033.
Oliveto, Eugene P. 2,989,524.
Oliveto, Eugene P., and Rausser. 2,982,775.
Oliveto, Eugene P., and Rausser. 3,010,959.
Rausser, Richard, and Oliveto. 2,999,103.
Rausser, Richard, and Oliveto. 3,010,958.

Schering Corp.: *See*—Continued
Reimann, Hans, and Gould. 3,009,927–32.
Reimann, Hans, and Shapiro. 2,988,557.
Robinson, Cecil H. 3,009,933.
Robinson, Cecil H., and Finckenor. 2,986,574.
Sherlock, Margaret H., and Sperber. 2,985,654.
Topliss, John G., Sperber, and Rubin. 2,986,573.
Walter, Lewis A., and Sperber. 2,997,478.
Zeman, William V. 3,013,530.
Schering, Helmuth, to VEB Kamera-und Kinowerke Dresden. Light condenser. 2,991,691, 7–11–61, Cl. 88—24.
Schermerhorn, Lorenz J., Jr. Pole bracket. 3,012,750, 12–12–61, Cl. 248—231.
Scherotto, John. Scored blank for display or insulation use. 3,009,277, 11–21–61, Cl. 41—10.
Scherr, Oscar L. Method for improving foam stability of foaming detergent composition and improved stabilizers therefor. 2,991,296, 7–4–61, Cl. 260—404.
Schesser, Ermen C. Mower safety guard. 2,982,079, 5–2–61, Cl. 56—25.4.
Schetti, Louis J. Quick lock door securer. 2,969,253, 1–24–61, Cl. 292—294.
Schetty, Guido: *See*—
Beffa, Fabio, and Schetty. 3,007,912.
Frick, Wilhelm E., Schetty, and Stammbach. 3,011,942.
Schetty, Guido, W. Biedermann, and F. Beffa, to J. R. Geigy A.-G. Chromium-containing dyestuffs. 2,985,646, 5–23–61, Cl. 260—145.
Schetty, Guido, F. Beffa, and W. Kuster, to J. R. Geigy, A.-G. Metallisable monoazo dyestuffs and the complex heavy metal compounds thereof. 2,991,280, 7–4–61, Cl. 260—151.
Scheu, Louis O., Jr., and J. B. Wilson. Towel folding machine. 3,003,760, 10–10–61, Cl. 270—82.
Scheublein, William A., Jr., and E. A. Check, to Moog Industries, Inc. Vehicle spring device. 2,969,230, 1–24–61, Cl. 267—16.
Scheublein, William A., Jr., and E. A. Check, to Moog Industries, Inc. Vehicle ride control spring. 2,973,196, 2–28–61, Cl. 267—45.
Scheuchzer, Alfred, 50% to Andre Scheuchzer. Method of repairing railway tracks and an installation for carrying out the same. 2,997,001, 8–22–61, Cl. 104—2.
Scheuchzer, Andre: *See*—
Scheuchzer, Alfred. 2,997,001.
Schener, Ernst, and T. J. Howells, to International Alloys Ltd. Apparatus for the continuous vacuum treatment of metals. 2,991,063, 7–4–61, Cl. 266—34.
Scheuer, Fred A.: *See*—
Scheuer, Seymour, and Scheuer. 2,973,891.
Scheuer, Seymour, and F. A. Tearing device for toilet tissue holder. 2,973,891, 3–7–61, Cl. 225—89.
Scheuerer, Guenter: *See*—
Fischer, Adolf, Scheuerer, Schlichting, and Stummeyer. 3,001,861.
Scheuerman, Charles M., to United States of America, Navy. Catapult return system. 2,969,942, 1–31–61, Cl. 244—63.
Scheuerman, Vernal H.: *See*—
Kasey, Robert A., Jr., Rinker, and Scheuerman. 3,005,472.
Scheuermann, Otto G., to General Zipper Corp. Top stop and tape cutting machine for slide fastener. 2,989,751, 6–27–61, Cl. 1—120.
Scheufele, Erwin, H. Schrewe, and F. Taube, to Mannesmann Aktiengesellschaft. Continuous casting apparatus. 2,976,585, 3–28–61, Cl. 22—57.2.
Scheunert, Alfred, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Connector for extending telephone calls to lines with different service requirements. 2,999,901, 9–12–61, Cl. 139—17.
Scheunert, Alfred, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Motor-operated rotary connector for extending calls to different classes of subscriber stations. 3,005,875, 10–24–61, Cl. 179—18.
Scheurer, Hans: *See*—
Kern, Rudolf, Scheurer, and Ultsch. 3,002,840.
Scheuring, Charles R.: *See*—
Brown, Walter, and Scheuring. 2,995,828.
Scheurlen, Hans: *See*—
Roos, Ernst, Lober, Bayer, and Scheurlen. 3,010,937.
Scheutzow, Wilbur J.: *See*—
Baugh, Everett L., Prior, and Scheutzow. 2,972,311.
Scheutzow, Wilbur J. Rotor for helicopter or the like. 2,995,192, 8–8–61, Cl. 170—160.25.
Scheuzger, Peter, to Comptometer Corp. Transceiver recording device assembly. 2,995,623, 8–8–61, Cl. 178—18.
Schexnailder, Robert E., Jr.: *See*—
Porter, Walter J., Jr., Smith, and Schexnailder. 3,002,920.
Porter, Walter J., Jr., Smith, and Schexnailder. 2,976,232.
Scheyer, Emanuel. Method of producing heat reflective fabric. 3,002,252, 10–3–61, Cl. 28—72.
Schiavone, Edward L. Switching device. 2,971,120, 2–7–61, Cl. 315—23.
Schiavone, Edward L., ½ to A. G. Previn. Image producing device. 2,978,610, 4–4–61, Cl. 315—169.
Schibler, Lucius, and H. Gassmann, to Ciba Ltd. Three-phase aqueous emulsion comprising continuous aqueous phase containing non-ionic emulsifier and two oily discontinuous phases. 3,006,880, 10–31–61, Cl. 260—29.4.
Schibler, Luzius, H. R. Zbinden, and H. U. Gassmann, to Ciba Ltd. Pigmented artificial resin lacquers dispersible in aqueous media and process for their manufacture. 2,986,542, 5–30–61, Cl. 260—21.
Schicht, Heinrich, to W. Ferd. Klingelnberg, Sohne. Method for lapping gears to correct tooth bearing surfaces. 2,984,956, 5–23–61, Cl. 51—287.
Schick, Frederick A., to Allis-Chalmers Mfg. Co. Fuel injection system. 2,986,291, 5–30–61, Cl. 214—131.
Schick Inc.: *See*—
Van Baelen, Armand R. 3,003,233.
Schiebeler, Werner: *See*—
Gröttrup, Helmut, and Schiebeler. 2,971,055.
Schiefer, Harry M.: *See*—
Awe, Richard W., and Schiefer. 3,002,927.
Awe, Richard W., and Schiefer. 3,002,989.
Schiefer, Richard B., to General Electric Co. Combustor for fluid fuels. 2,974,485, 3–14–61, Cl. 60—39.65.
Schield Bantam Co.: *See*—
Bannister, Harold V. 2,985,317.
Schieldrop & Co. Ltd.: *See*—
Frost, Ingolf P. 2,982,349.
Schiele, Karl, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Focusing screen for camera finders. 3,003,387, 10–10–61, Cl. 88—1.
Schier, Robert W., and D. H. Humphrey, to Design Dynamics, Inc. Serving dish for citrus fruits. 3,009,599, 11–21–61, Cl. 220—1.
Schierhorst, Albert E., to ACF Industries, Inc. Call letter keyer. 3,007,001, 10–31–61, Cl. 178—79.
Schierl, Otto. Multistage compressors. 3,001,692, 9–26–61, Cl. 230—130.
Schierman, Joseph H.: *See*—
Hanson, Roy R., and Braden. 3,001,384.
Schiermeier, Knapel F., to Shell Oil Co. Textile lubricants. 3,013,966, 12–19–61, Cl. 252—8.7.
Schiess Aktiengesellschaft: *See*—
Keyser, Johann J. 2,969,635.
Schiess, George: *See*—
Palmer, William F., and Schiess. 2,979,664.
Schiffer, Henry C., to The Miller Co. Fluorescent lighting fixture and socket assembly therefor. 2,972,675, 2–21–61, Cl. 240—51.11.
Schifferly, Richard E. Moisture absorbing device. 2,994,404, 8–1–61, Cl. 183—4.8.
Schiffman, Bernard. Automobile accessory. Re. 25,063, 10–24–61, Cl. 5—94.
Schiffman, Murray M. Chance selection device. 2,984,487, 5–16–61, Cl. 273—139.
Schiffmann, Alois. Electrical connector. 3,012,091, 12–5–61, Cl. 174—94.
Schiffmann, Alois, Dipl.-Kaufmann: *See*—
Muller, Otto. 3,009,099.
Schilberg, Arnold G., to A. O. Smith Corp. Motor vehicle construction having increased rigidity at the dash area. 2,976,079, 3–21–61, Cl. 296—28.
Schilberg, Arnold G., to A. O. Smith Corp. Flange reinforced embossment. 2,999,312, 9–12–61, Cl. 29—545.
Schilberg, Arnold G., to A. O. Smith Corp. Fabricated equalizer beam. 3,007,713, 11–7–61, Cl. 280—104.5.
Schilberg, Glenn C., to Pittsburgh Plate Glass Co. Sodium chloride-calcium chloride compositions and their preparation. 2,988,509, 6–13–61, Cl. 252—70.
Schild, Alfred: *See*—
Henderson, James H., Schild, and Wyllie. 3,004,600.
Schildbach, August J.: *See*—
Roehr, Zbislaw M., Higgins, Trapper, and Schildbach. 3,008,570.
Schilder, Albert W., to Lynn Corp, Inc. Conduit and fabricating material therefor. 2,975,808. 3–21–61, Cl. 138—74.
Schildknecht, Calvin E., to Air Reduction Co., Inc. Copolymers of trifluoroethyl vinyl ether and alkyl esters of acrylic or methacrylic acid, and method for preparing same. 2,991,277, 7–4–61, Cl. 260—86.1.
Schildknecht, Calvin E., to Air Reduction Co., Inc. Copolymers of trifluoroethyl vinyl ether and haloolefins, and method for preparing same. 2,991,278, 7–4–61, Cl. 260—87.5.
Schiliephacke, Fridtjof F., to A. Lorenz. Head-rest and control. 2,989,341, 6–20–61, Cl. 155—177.
Schill & Sellacher, Chemische Fabrik: *See*—
Preutz, Adalbert, and Quendt. 3,013,858.
Schiller, Arthur M., to American Cyanamid Co. Bis-(alpha-halotolyl) alkanes. 2,978,517, 4–4–61, Cl. 260—649.
Schiller Bros., Inc.: *See*—
Williams, Gladys. 2,996,725.
Schiller, Horst: *See*—
Nelles, Johannes, and Schiller. 3,014,961.
Schiller, John E., Breaker point adjusting tools. 2,988,939, 6–20–61, Cl. 81—3.
Schiller, Julius M., to Electro Tec Corp. Electrical slip ring and support. 3,014,193, 12–19–61, Cl. 339—8.
Schiller, Sigge: *See*—
Soderberg, Sten, and Schiller. 2,989,982.
Schilling, Clarence J., and C. McKinley, to Air Products Inc. Method and apparatus for separating gaseous mixtures including high boiling point impurities. 2,968,160, 1–17–61, Cl. 62—14.
Schilling, Clarence J., and L. C. Claitor, to Air Products Inc. Method and apparatus for separating gaseous mixtures. 2,997,854, 8–29–61, Cl. 62—13.
Schilling, Edward L.: *See*—
Earle, Wilton R., Evans, Schilling, and Bryant. 2,990,335.
Schilling, Robert, R. E. Owen, and G. W. Jackson, to General Motors Corp. Ride height control system. 2,987,311, 6–6–61, Cl. 267—64.
Schilling, Thomas A. Defrosting apparatus for refrigerator components and method. 2,986,014, 5–30–61, Cl. 62—80.

Schilling, William M., to Hercules Powder Co. Stabilized polyolefin compositions. 3,006,886, 10–31–61, Cl. 260—45.75.

Schillinger, Jack. Cabinet and closure means for dispensing type vehicles. 2,970,005, 1–31–61, Cl. 296—37.

Schimek, Robert: *See*—
Sherwood, Edwin T., and Schimek. 2,991,376.

Schimkus, Kurt E., to Acme Steel Co. Complexed plating electrolyte and method of plating therewith. 2,973,308, 2–28–61, Cl. 204—43.

Schimkus, Kurt E., to Acme Steel Co. Protective coatings on metals. 3,007,818, 11–7–61, Cl. 148—6.16.

Schindel, Arnold, to The Bendix Corp. Seal for grease lubricated bearing. 3,003,835, 10–10–61, Cl. 308—187.2.

Schindler, Harvey D.: *See*—
Malley, Thomas J., and Schindler. 2,991,255.
Malley, Thomas J., Schindler, Pennell, and Innes. 2,980,632.

Schindler, Karl, to Henschel-Werke G.m.b.H. Spring construction. 2,999,677, 9–12–61, Cl. 267—2.

Schindler, Raymond G. Gate. 2,975,536, 3–21–61, Cl. 39—87.

Schindler, Walter, to Geigy Chemical Corp. N-substituted iminostilbenes. 2,976,281, 3–21–61, Cl. 260—239.

Schindler, Walter, and C. Gansser, to Geigy Chemical Corp. Basically substituted phenothiazine derivatives. 2,976,286, 3–21–61, Cl. 260—243.

Schindler, Walter, and H. J. Peterli, to Geigy Chemical Corp. Basically substituted derivatives of 11 H-quinoxalino [2.3-b]-p-benzothiazines. 3,010,961, 11–28–61, Cl. 260—243.

Schindler, Walter R., to Hotkap Mfg. Co. Folding sewing attachment. 2,972,318, 2–21–61, Cl. 112—147.

Schink, Norbert: *See*—
Herlet, Adolf, Paralong, and Schink. 2,974,074.

Schink, Norbert, to Siemens-Schuckertwerke Aktiengesellschaft. Method for electrolytically etching and thereafter anodically oxidizing an essentially monocrystalline semiconductor body having a P–N junction. 3,010,885, 11–28–61, Cl. 204—32.

Schinke, Hans-Werner, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Shoe for a caterpillar withdrawing device. 2,990,093, 6–27–61, Cl. 226—200.

Schinke, James W., and A. Felske; said Felske assor. to said Schinke. Fish hook structure. 2,979,852, 4–18–61, Cl. 43—43.16.

Schinnerer, Roy L., to The Garrett Corp. Lubrication system for high speed machines. 3,004,806, 10–17–61, Cl. 308—187.

Schinske, William G., to Ideal Industries, Inc. Screw-on type connector. 3,001,002, 9–19–61, Cl. 174—87.

Schinzel, Erich: *See*—
Heyna, Johannes, Berlin, and Schinzel. 2,994,611.

Schiott, Henning: *See*—
Garde, Aage, Persson, and Schiott. 3,014,390.

Schipper, Edgar S.: *See*—
Boehme, Werner R., and Schipper. 3,006,920.

Schipper, Edgar S., to Ethicon, Inc. 1-amino-1-carboalkoxycyclohexanes. 2,971,021, 2–7–61, Cl. 260—464.

Schipper, Edgar S., to Ethicon, Inc. 1-aminomethyl-1-aminocyclohexanes. 2,993,068, 7–18–61, Cl. 260—468.

Schipper, James, to Sta-Rite Products, Inc. Dual pressure attachment for pumps. 2,987,002, 6–6–61, Cl. 103—10.

Schippereit, George H., and R. M. Lang, to United States of America, Atomic Energy Commission. Process for making neutron-absorbing bodies. 3,008,884, 11–14–61, Cl. 204—154.2.

Schiring, Ralph C., to Picker X-Ray Corp. Waite Mfg. Division, Inc. Combined image amplifier and fluoroscopic screen above X-ray examination table. 2,997,585, 8–22–61, Cl. 250—57.

Schiring, Ralph C., to Picker X-Ray Corp., Waite Mfg. Div., Inc. X-ray table. 3,013,155, 12–12–61, Cl. 250—57.

Schiring, Ralph C., and E. J. Bastin, to Picker X-Ray Corp. Tubular telescopic column. Re. 24,982, 5–9–61, Cl. 287—58.

Schirmer, Robert M.: *See*—
Brace, Robert L., and Schirmer. 3,002,819.

Schirp, Hubert: *See*—
Blaser, Bruno, Raecke, and Schirp. 3,014,067.
Blaser, Bruno, and Schirp. 3,013,070.

Schjeldahl, G. T., Co.: *See*—
Carlsen, Harry R. 2,990,989.
Schjeldahl, Gilmore T., and Thompson. 2,997,889.

Schjeldahl, Gilmore T., and J. D. Thompson, to G. T. Schjeldahl Co. Intermittent engine. 2,997,889, 8–29–61, Cl. 74—125.5.

Schjolin, Hans O., to General Motors Corp. Hydraulic cooling system for a multiple disk brake. 2,976,965, 3–28–61, Cl. 188—264.

Schjolin, Hans O., and D. K. Isbell, to General Motors Corp. Fluid-cooled vehicle disc brake. 2,968,368, 1–17–61, Cl. 188—72.

Schlachman, Benjamin, to United States of America, Navy. Firing control switch. 3,005,883, 10–24–61, Cl. 200—16.

Schladermundt, Peter, W. H. Dennerlein, and L. S. Simons, Jr., to Johnson & Johnson. Adhesive bandage. 2,973,859, 3–7–61, Cl. 206—63.2.

Schladermundt, Peter, H. A. Holzwarth, and J. D. Wrak, to Hewitt-Robins Inc. Springless cushion. 2,976,916, 8–28–61, Cl. 155—178.

Schlaefli, Rudolf: *See*—
Grubenmann, Werner, and Schlaefli. 2,987,760.

Schlafhorst, W., & Co.: *See*—
Weber, Erwin. 2,994,491.

Schlafly, Hubert J., to Teleprompter Corp. Educational apparatus. 2,975,336, 3–14–61, Cl. 317—137.

Schlage, Ernest L., to Schlage Lock Co. Faceplate for beveled and rabbeted doors. 2,996,326, 8–15–61, Cl. 292—337.

Schlage, Ernest L., to Schlage Lock Co. Strike with adjustable tongue. 3,007,732, 11–7–61, Cl. 292—341.12.

Schlage, Ernest L., and R. A. Marotto, to Schlage Lock Co. Interlocking mechanism for tubular door locks. 3,000,659, 9–19–61, Cl. 292—337.

Schlage Lock Co.: *See*—
Gilbert, Samuel. 2,989,332.
Kendrick, Marron, and De Vines. 2,977,786.
Schlage, Ernest L. 2,996,326.
Schlage, Ernest L. 3,007,732.
Schlage, Ernest L., and Marotto. 3,000,659.

Schlangen, Alphonse J. Oil gauge. 3,002,186, 9–26–61, Cl. 340—244.

Schlansker, Kermit C.: *See*—
Schmitz, William D., and Schlansker. 3,002,154.

Schlansker, Kermit C., and M. J. Langan, to International Telephone and Telegraph Corp. Regulated direct current power supply. 2,997,643, 8–22–61, Cl. 323—22.

Schlapp, Werner, to Leitz, Ernst, Gesellschaft mit beschrankter Haftung. Exchangeable focusing mount for exchangeable objectives. 2,982,193, 5–2–61, Cl. 95—44.

Schlater, Harry A.: *See*—
Wetzel, Wilfred W., and Schlater. 2,982,129.

Schlatter, Carl, to American Viscose Corp. Process of producing viscose rayon. 2,976,113, 3–21–61, Cl. 18—54.

Schlatter, H. A., A.G.: *See*—
Denzler, Emil. 2,998,506.

Schlatter, Wilhelm R., to Contraves A.G. Remote control servosystem. 2,978,620, 4–4–61, Cl. 318—28.

Schlau, Floyd E., to Strombeck-Becker Mfg. Co. Track for electrical toy vehicle. 3,000,573, 9–19–61, Cl. 238—10.

Schlau, Floyd E., to Strombeck-Becker Mfg. Co. Battery box. 3,000,999, 9–19–61, Cl. 136—173.

Schlauch, Emil, to Wilhelm Herm. Muller & Co. K.G. Antifriction bearing with a casing of plastic synthetic material acting as elastic yieldable cushion. 2,986,432, 5–30–61, Cl. 308—184.

Schleber, Frederick: *See*—
Burgert, Harold E. 2,967,428.

Schlecht, Frederick H., to H. H. Brown Shoe Co., Inc. Safety shoe with instep guard. 2,972,824, 2–28–61, Cl. 36—72.

Schlechtendahl, Ernst, to Fuerstlich Hohenzollernsche Huettenverwaltung. Two part bearing assemblies. 2,990,218, 6–27–61, Cl. 308—74.

Schlechter, Robert L.: *See*—
Schott, Gene D., and Schlechter. 3,014,648.

Schlegel, William M., and A. S. Waraksa, to Rotomark Mfg. Corp. Label printing and cutting apparatus. 2,996,001, 8–15–61, Cl. 101—227.

Schleicher, Arthur R., to Phillips Petroleum Co. Burner and process for in situ combustion. 3,010,516, 11–28–61, Cl. 166—59.

Schleicher, Lowell, and C. S. Baughman, to The National Cash Register Co. Microscopic capsules containing magnetizable material. 2,971,916, 2–14–61, Cl. 252—62.5.

Schleifer, Morton D.: *See*—
Bulova, Arde, Anderson, and Schleifer. 2,982,020.

Schleifer, Sam: *See*—
Waldron, Paul H. R., and Schleifer. 2,976,834.

Schlein, Herbert N., to United States of America, Army. Device for testing material. 2,993,368, 7–25–61, Cl. 73—102.

Schlesinger, Albert, and S. M. Gordon, to Endo Laboratories, Inc. Novel salts of barbituric acids and method of preparing same. 2,969,363, 1–24–61, Cl. 260—253.

Schlesinger, Albert, and S. M. Gordon, to Endo Laboratories Inc. 1.1-diphenyl-1-hydroxy-4-(pyrrolidyl)-butanone-2. 2,997,479, 8–22–61, Cl. 260—326.5.

Schlesinger, Albert, and S. M. Gordon, to Endo Laboratories, Inc. Cyanobenzhydryl ethers of amino alcohols. 2,999,096, 9–5–61, Cl. 260—294.7.

Schlesinger, Kurt, to Motorola, Inc. Color television beam registration system. 2,975,230, 3–14–61, Cl. 178—5.4.

Schlesinger, Kurt, to General Electric Co. Electron gun. 2,995,676, 8–8–61, Cl. 315—15.

Schlesinger, Kurt, to Motorola, Inc. Image display device. 2,997,621, 8–22–61, Cl. 315—23.

Schlesman, Carleton H., to United States of America, Navy. Relay device for controlling a servo motor. 2,976,380, 3–21–61, Cl. 200—102.

Schlessel, Bernard, to Panoramic Radio Products, Inc. Time frequency analyzer. 2,998,568, 8–29–61, Cl. 324—77.

Schlichenmaier, Hans: *See*—
Spletschka, Ernst, and Schlichenmaier. 3,004,030.

Schlicher, David W., to Electric Machinery Mfg. Co. Voltage regulator for generators. 3,008,082, 11–7–61, Cl. 322—28.

Schlicht, Waldemar: *See*—
Korsch, Alfred, and Schlicht. 2,973,157.

Schlichting, David A., to McNeil Laboratories, Inc. Iron resin salt and method of making. 3,012,937, 12–12–61, Cl. 167—55.

Schlichting, Karl F., to Nordischer Maschinenbau Rud. Baader. Apparatus for transporting and guiding fish to the tools of fish dressing machines. 3,002,605, 10–3–61, Cl. 198—167.

Schlichting, Otto: *See*—
Fischer, Adolf, Scheuerer, and Schlichting. 3,001,861.
Schlichtkrull, Jørgen, to Novo Terapeutish Laboratorium A/S. Injectable bovine insulin crystal suspension and process of producing same. 3,014,842, 12–26–61, Cl. 167—75.
Schlick, Karl, to Siemens-Halske Aktiengesellschaft. Electrical control apparatus. 2,999,198, 9–5–61, Cl. 318—207.
Schlicke, Heinz M., to Allen-Bradley Co. Electrical wave filter apparatus. 2,973,490, 2–28–61, Cl. 333—79.
Schlicke, Heinz M., to Allen-Bradley Co. De-resonated capacitor. 2,983,855, 5–9–61, Cl. 317—242.
Schlicke, Heinz M., to Allen-Bradley Co. High frequency capacitor of corrugated configuration. 2,994,048, 7–25–61, Cl. 333—79.
Schlicke, Heinz M., to Allen-Bradley Co. Deresonated capacitor. 3,007,121, 10–31–61, Cl. 333—79.
Schlicksupp, Theodore F., deceased; H. M. Albers, administrator. Separating apparatus. 2,995,244, 8–8–61, Cl. 209—134.
Schlicksupp, Theodore F., deceased; H. M. Albers, executor. Grinding, mixing and feeding apparatus for plastic molding machines. 3,000,055, 9–19–61, Cl. 18—30.
Schlieker, Willy H., and A. Muhlinghaus, to Walzwerk Neviges, Willy H. Schlieker & Co. Arrangement for measuring the hysteresis and eddy-current losses of sheets of ferromagnetic material. 2,993,166, 7–18–61, Cl. 324—40.
Schliemann, Julius B., to Royal Business Forms, Inc. Autographic register. 3,004,775, 10–17–61, Cl. 282—15.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair of multiple-position type. 2,976,913, 3–28–61, Cl. 155—106.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chairs. 2,979,116, 4–11–61, Cl. 155—106.
Schliephacke, Fridtjof F., to A. Lorenz. Leg rest control means for reclining chairs. 2,984,292, 5–16–61, Cl. 155—106.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair of the double movement type. 2,989,342, 6–20–61, Cl. 155—106.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair with folded back-rest and control. 2,999,719, 9–12–61, Cl. 297—85.
Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest control for reclining chair. 2,999,720, 9–12–61, Cl. 297—89.
Schliephacke, Fridthof F., to A. Lorenz. Leg-rest actuating linkage for multiple-position reclining chairs. 3,003,814, 10–10–61, Cl. 297—88.
Schliephacke, Fridtjof F., to Anton Lorenz. Reclining chairs. 3,004,791, 10–17–61, Cl. 297—85.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair of the double movement type. 3,005,661, 10–24–61, Cl. 297—84.
Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest control linkage for reclining chairs. 3,008,762, 11–14–61, Cl. 297—89.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair and leg-rest control. 3,009,734, 11–21–61, Cl. 297—84.
Schliephacke, Fridtjof F., to A. Lorenz. Reclining chair of the double movement type. 3,009,735, 11–21–61, Cl. 297—85.
Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest actuating linkage for multiple-position reclining chair. 3,009,736, 11–21–61, Cl. 297—88.
Schliephacke, Fridtjof F., to A. Lorenz. Multiple position reclining chair. 3,010,762, 11–28–61, Cl. 297—88.
Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest control for multiple-position reclining chair. 3,014,756, 12–26–61, Cl. 297—85.
Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest control for multiple-position reclining chair. 3,014,758, 12–26–61, Cl. 297—89.
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Eastman, du Bois, and Schlinger. 2,989,460.
Eastman, du Bois, and Schlinger. 2,989,461.
Eastman, Du Bois, and Schlinger. 3,001,373.
Schlitt, Floyd F., Conversion burner. 2,982,350, 5–2–61, Cl. 158—113.
Schlittler, Emil, to Ciba Pharmaceutical Products, Inc. Methyl O-piperonyloyl-reserpate. 3,000,893, 9–19–61, Cl. 260—287.
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Billen, Peter, and Linnerz. 2,969,873.
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Schloss, Morris. Rotary buff. 3,008,277, 11–14–61, Cl. 51—193.
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Schlosstein, Clifford F. Passenger safety equipment for automobile. 2,973,029, 2–28–61, Cl. 155—173.
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Schloz, Arthur H., and N. O. Steele, to E. W. Bliss Co. Knuckle joint press. 2,979,975, 4–18–61, Cl. 78—41.
Schluderberg, Donald C., to The Babcock & Wilcox Co. Heat exchange apparatus having centrifugal fan. 2,967,047, 1–3–61, Cl. 257—214.
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Doll, Henri-Georges. 2,983,874.
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Schwede, Harold F. 2,984,781.
Shepler, Paul R. 2,979,955.
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Schlumbohm, Peter. Friction pump for evaporating liquids. 2,973,829, 3–7–61, Cl. 183—17.
Schlumbohm, Peter. Method of operating a combustion-driven compression-refrigerating system. 2,984,987, 5–23–61, Cl. 62—7.
Schlumbohm, Peter. Family automobile. 2,997,332, 8–22–61, Cl. 296—28.
Schlumbohm, Peter. Ladies' handbag. 2,999,522, 9–12–61, Cl. 150—28.
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Schluttig, Pearl L. Double vise grip cap-and-jar unit. 2,981,431, 4–25–61, Cl. 215—43.
Schlyter, Bertil O., deceased, by H. F. A. Berthold, administrator, to B. Schlyter. Manufacture of briquettes. 2,993,686, 7–25–61, Cl. 263—28.
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Schmeck, Robert E., and J. P. Conklin, to Pitney-Bowes, Inc. Document feeding control means. 2,973,202, 2–28–61, Cl. 271—57.
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Schmeckenbecher, Arnold, to General Aniline & Film Corp. Alloyed flocks from metal carbonyls and halides. 2,978,323, 4–4–61, Cl. 75—211.
Schmeckenbecher, Arnold, to General Aniline & Film Corp. Sintered magnetizable body from metal carbonyls and halides. 2,983,997, 5–16–61, Cl. 29—182.5.
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Schmerling, Louis, to Universal Oil Products Co. O-alkylation of phenolic compounds. 2,969,399, 1–24–61, Cl. 260—613.
Schmerling, Louis, to Universal Oil Products Co. Preparation of polyhalomethanoindans. 2,970,175, 1–31–61, Cl. 260—648.
Schmerling, Louis, to Universal Oil Products Co. Preparation of longer chain polymers. 2,971,994, 2–14–61, Cl. 260—683.
Schmerling, Louis, to Universal Oil Products Co. Condensation of ethers with polychloroolefins. 2,974,149, 3–7–61, Cl. 260—340.6.
Schmerling, Louis, to Universal Oil Products Co. Preparation of non-conjugated cycloalkadienes. 2,982,792, 5–2–61, Cl. 260—648.
Schmerling, Louis, to Universal Oil Products Co. Preparation of alkylphosphorus dichloride. 2,986,579, 5–30–61, Cl. 260—543.
Schmerling, Louis, to Universal Oil Products Co. Preparation of high molecular weight alkyl aromatic compounds. 2,992,282, 7–11–61, Cl. 260—671.
Schmerling, Louis, to Universal Oil Products Co. Preparation of diarylalkanes. 3,000,985, 9–19–61, Cl. 260—668.
Schmerling, Louis, to Universal Oil Products Co. Condensation of polyhalocycloalkadienes with cyclooctatetraene. 3,004,074, 10–10–61, Cl. 260—648.
Schmerling, Louis, to Universal Oil Products Co. Alkylation of alkylatable compounds. 3,009,003, 11–14–61, Cl. 260—671.
Schmerling, Louis, and W. G. Toekelt, to Universal Oil Products Co. Preparation of carboxylic acids and salts thereof. 2,988,560, 6–13–61, Cl. 260—413.
Schmerling, Louis, and W. G. Toekelt, to Universal Oil Products Co. Formation of polycyclic derivatives of carboxylic acids. 3,008,982, 11–14–61, Cl. 260—514.
Schmick, Hayes J., to Corning Glass Works. Method of joining glass articles and composition therefor. 2,996,419, 8–15–61, Cl. 154—128.
Schmid, Alois, and H. Hofer. Process for melting ores, metals, glass, minerals and similar fusible materials in a furnace. 3,008,819, 11–14–61, Cl. 75—43.
Schmid, Arvin E. Quick-coupling clevis pipe joint. 2,986,412, 5–30–61, Cl. 285—364.
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Schmid, Otto, and M. Hürbin, to J. R. Geigy A.-G. Monoazo dyestuffs. 3,001,983, 9–26–61, Cl. 260—196.
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Schmid, Wolfgang, to Societe Automata. Electric control for copying machines. 2,973,695, 3–7–61, Cl. 90—13.5.
Schmid, Wolfgang. Feeler controls. 2,976,778, 3–28–61, Cl. 90—62.
Schmid, Wolfgang K. Variable speed asynchronous motor. 2,972,094, 2–14–61, Cl. 318—232.
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Schmidlin, Herbert L., to Raybestos-Manhattan, Inc. Coated abrasive products. 3,014,795, 12–26–61, Cl. 51—297.
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Schmidt, Alfred O., to The Kearney & Trecker Corp. Bearing structure. 2,989,352, 6–20–61, Cl. 48—2.
Schmidt, Alfred T. Neon flash light assembly. 2,999,922, 9–12–61, Cl. 240—11.4.
Schmidt, Alfred T. Flasher light casing construction. 2,999,923, 9–12–61, Cl. 240—11.4.
Schmidt, Arthur B., to Western Electric Co., Inc. Testing circuit. 2,983,869, 5–9–61, Cl. 324—73.
Schmidt, Arthur O. Driving and steering apparatus for wheel chairs. 2,978,053, 4–4–61, Cl. 180—26.
Schmidt, August F., and P. J. Belke, to American Can Co. Method for improving the wettability of polyethylene by aqueous compositions. 2,991,217, 7–4–61, Cl. 154—139.
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Schmidt, Carl O., Jr., to The Cincinnati Butchers Supply Co. Automatic track switch. 3,006,287, 10–31–61, Cl. 104—100.
Schmidt, Clarence J., to Goodyear Aircraft Corp. Spherical building structure with curved beams. 2,978,074, 4–4–61, Cl. 189—2.
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Schmidt, Fritz, and G. Braun, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Cellular polyurethanes resembling natural sponge and method of preparing same. 3,007,883, 11–7–61, Cl. 260—2.5.
Schmidt, George F., to Bell Telephone Laboratories, Inc. Telephone signaling system. 3,005,053, 10–17–61, Cl. 179—18.
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Schmidt, Gustav A., and H. A. Vaughn, Jr., to General Electric Co. Polyalkyleneoxide esters of carboxyalkylpolysiloxanes. 2,991,300, 7–4–61, Cl. 260—448.2.
Schmidt, Hans R., and M. Wiesner, to Agfa Aktiengesellschaft. Sheet film pack for X-ray photographic purposes. 2,974,229, 3–7–61, Cl. 250—69.
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Schmidt, Heinz, to Taylorix Organisation Stiegler, Hausser & Co. Magnetic marking means for recording media of business machines. 2,971,809, 2–14–61, Cl. 346—74.
Schmidt, Heinz, P. Reinshagen, W. Ziemer, and F. Holzinger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for condensing chlorine gas. 2,984,078, 5–16–61, Cl. 62—9.
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Schmidt, Herbert M. Dual head spray gun. 3,006,559, 10–31–61, Cl. 239—414.
Schmidt, Hermann. Currency dispensing apparatus. 2,975,789, 3–21–61, Cl. 133—2.
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Schmidt, Joachim, and W. Volkamer, to Henkel & Cie GmbH. Production of granular water-soluble perborate-containing salt mixtures. 2,972,584, 2–21–61, Cl. 252—186.
Schmidt, Joachim, and W. Meinhold, to Henkel & Cie, G.m.b.H. Granular water-soluble perborate-containing salt mixture. 2,975,142, 3–14–61, Cl. 252—186.
Schmidt, John L., to Abbott Laboratories. Method of obtaining preanesthetic sedation and drying with 1-(2-diethylaminoethyl)-5-ethyl-5-phenylbarbituric acid. 2,995,489, 8–8–61, Cl. 167—52.
Schmidt, John L., to Abbott Laboratories. Method of treating cardiac arrhythmia with 1-(2-diethylaminoethyl)-5-ethyl-5-phenylbarbituric acid. 2,995,491, 8–8–61, Cl. 167—65.
Schmidt, John L., H. S. Perdue, G. F. Lambert, and J. P. Miller, to Abbott Laboratories. Animal growth promotant and feed composition. 2,997,393, 8–22–61, Cl. 99—2.
Schmidt, Joseph J., and R. O. Bardwell, to The Denver and Rio Grande Western Railroad Co. Reciprocating type electric generator. 2,992,342, 7–11–61, Cl. 310—15.
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Schmidt, Karl-Heinz, K.-H. Schündehütte, F. Suckfull, and H. Nickel, to Farbenfabriken Bayer Aktiengesellschaft. Azo dyestuffs and process for their manufacture. 2,987,513, 6–6–61, Cl. 260—143.

Schmidt, Kenneth H., to Mosler Research Products, Inc. Translator relaxation oscillator. 2,988,708, 6–13–61, Cl. 331—111.

Schmidt, Kenneth H., to Mosler Resarch Products, Inc. Security alarm system. 3,005,191, 10–17–61, Cl. 340—258.

Schmidt, Kurt, to General Electric Co. Metal vapor lamps. 2,971,110, 2–7–61, Cl. 313—221.

Schmidt, Kurt, to General Electric Co. Fluorescent lamp gas filling. 3,012,165, 12–5–61, Cl. 313—185.

Schmidt, Lawrence D., to Allied Chemical Corp. Freeze-proofing of coke. 2,973,254, 2–28–61, Cl. 44—1.

Schmidt, Lawrence D., to Allied Chemical Corp. High velocity combustion-jet motivater coke oven battery. 2,974,090, 3–7–61, Cl. 202—12.

Schmidt, Lawrence D., to Allied Chemical Corp. Automatic sampling, screening and testing the strength of solid materials. 2,995,026, 8–8–61, Cl. 73—12.

Schmidt, Lawrence D., to Allied Chemical Corp. Dry quenching of coke with increased generation of steam. 3,007,850, 11–7–61, Cl. 202—37.

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Schmidt, Maximilian P., and O. Süs, to Azoplate Corp. Reproduction material. 2,994,608, 8–1–61, Cl. 96—33.

Schmidt, Maximilian P., and O. Sus, to Azoplate Corp. Reproduction material. 2,995,442, 8–8–61, Cl. 96—33.

Schmidt, Michael. Main spring and bridle torque gauge. 3,012,431, 12–12–61, Cl. 73—1.

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Schmidt, Robert A., and W. Wenner, to Hoffmann-La Roche Inc. Dibenzo[de,g]quinoline compounds. 2,974,143, 3–7–61, Cl. 260—286.

Schmidt, Paul, and M. Wilhelm, to Ciba Pharmaceutical Products Inc. Mercapto derivatives of pyrazolo [3,4-d] pyrimidines. 3,014,035, 12–19–61, Cl. 260—256.5.

Schmidt, Paul A. Shears. 2,984,907, 5–23–61, Cl. 30—248.

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Schmidt, Peter N., Jr. Automatic self-cleaning and signalling steam strainer. 3,011,588, 12–5–61, Cl. 183—42.

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Schmidt, Ralph S. Power lawn mower with guard-operated clutch means. 2,993,329, 7–25–61, Cl. 56—25.4.

Schmidt, Richard, to F. Morat, G.m.b.H. Device for setting a pattern wheel. 2,990,702, 7–4–61, Cl. 66—1.

Schmidt, Richard, to Franz Marat, K.-G. Pattern wheels of circular knitting machines. 3,010,298, 11–28–61, Cl. 66—50.

Schmidt, Richard S. G., to The Russell Mfg. Co. Gear belt. 2,983,637, 5–9–61, Cl. 154—52.1.

Schmidt, Robert C., and R. S. Symons, to Varian Associates. High frequency tube apparatus. 2,994,009, 7–25–61, Cl. 315—5.48.

Schmidt, Robert F., and H. A. Leidecker, to Elgin Sweeper Co. Street sweeping machine. 3,011,193, 12–5–61, Cl. 15—87.

Schmidt, Robert F., and D. R. Palmiter, to Elgin Sweeper Co. Eductor with auxiliary pump-out arrangement. 3,013,665, 12–19–61, Cl. 210—241.

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Schmidt, Robert L., A. H. Miller, and D. D. Grimes, to United States of America, Navy. Grain immobilizer. 3,000,305, 9–19–61, Cl. 102—49.

Schmidt, Rudolph, to United Shoe Machinery Corp. Container filling and sealing machines. 2,972,216, 2–21–61, Cl. 53—281.

Schmidt, Rudolf B. Crop pickup attachment for combines. 2,970,420, 2–7–61, Cl. 56—98.

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Schmidt, Wilhelm G., and J. E. Field, to Courtaulds Ltd. Production of polymers and copolymers of acrylonitrile. 2,985,634, 5–23–61, Cl. 260—85.5.

Schmidt, William C., to Cincinnati Butchers Supply Co. Single blade knife with arcuate notched blade tip. 2,997,087, 8–22–61, Cl. 146—106.

Schmidt, Wolfgang, and G. W. Schuhmann, to North American Philips Co., Inc. Resonant-cavity magnetron having coaxial output line. 2,977,503, 3–28–61, Cl. 315—39.53.

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Schmied, Joseph M. Pump construction. 2,988,003, 6–13–61, Cl. 103—37.

Schmieding, Earl G., and A. E. Ruehle, to United States of America, Atomic Energy Commission. Extraction of uranium. 2,979,379, 4–11–61, Cl. 23—14.5.

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Schmier, Jacob, to Rodale Mfg. Co., Inc. Solderless light socket. 2,993,193, 7–18–61, Cl. 339—180.

Schmit, Leon F. N., and K. P. J. Cassart. Process for improving the efficacy of oils used as binding agents and core sands for foundry. 2,993,796, 7–25–61, Cl. 106—38.7.

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Schmitt, Friedrich, deceased, by A. Schmitt, geb Neukirchner, heir, to Boehme Fettchemie G.m.b.H. Tanning with alkylbenzene sulfonate in combination with chrome tanning. 2,973,240, 2–28–61, Cl. 8—94.33.

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Schmitt, James L., to Caterpillar Tractor Co. Hydraulic control valve for actuating steering clutches or the like. 2,989,986, 6–27–61, Cl. 137—622.

Schmitt, Joseph R., and F. C. Alexander, to Universal Rundle Corp. Combined water closet and flush tank. 2,986,744, 6–6–61, Cl. 4—57.

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Wolf, Otto, Wenzel, Schmidt, Hebenstreit, Hulsee, and Dorling. 3,001,513.

Schmitt, Nickolas, and D. M. Willyoung, to General Electric Co. Ventilation of the end windings of large dynamoelectric machine rotors. 3,005,119, 10–17–61, Cl. 310—61.

Schmittberger, Robert A., to Union Carbide Corp. Molding composition comprising a novolac resin, a furan derivative, and a filler, and process for making same. 2,970,121, 1–31–61, Cl. 260—17.2.

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Schmitz, Harry W., L. H. Turner, and E. R. Ziegler, to General Motors Corp. Windshield cleaning mechanism. 3,010,136, 11–28–61, Cl. 15—250.02.

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Schmitz, William R. Apparatus for treating material for making artificial fibers. 2,971,603, 2–14–61, Cl. 183—2.5.

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Schmutz, Julius, to Schmutz Mfg. Co., Inc. Rotary device for printing, slitting and rewinding elongated webs. 2,970,535, 2–7–61, Cl. 101—178.

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Schmutzler, Alfred F., to France, Campbell & Darling, Inc. Deodorizing oil modified alkyd-vinyl copolymer solutions. 2,990,384, 6–27–61, Cl. 260—22.

Schmutzler, Alfred F., to France, Campbell & Darling, Inc. Alkylol phenol-modified copolymers of vinyl monomers and unsaturated fatty acid-modified alkyd resins. 2,990,385, 6–27–61, Cl. 260—22.

Schnabel, Julius W., to Thompson Ramo Wooldridge Inc. Fulcrum adjuster. 2,971,503, 2–14–61, Cl. 123—90.

Schnabel, Otto F., to Gifford-Wood Co. Automatic work transfer mechanism. 3,013,679, 12–19–61, Cl. 214—89.

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Schneeberger, Robert J., to Westinghouse Electric Corp. Display storage tube. 3,002,124, 9–26–61, Cl. 315—12.

Schneeberger, Robert J., and M. Garbuny, to Westinghouse Electric Corp. Image translating system. 2,971,052, 2–7–61, Cl. 178—6.8.

Schneeberger, Robert J., and J. G. Castle, Jr., to Westinghouse Electric Corp. Storage display system. 2,981,863, 4–25–61, Cl. 315—12.

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Schneider, Alfred, and S. Plonsky, to Celanese Corp. of America. Film treating apparatus. 2,991,360, 7–4–61, Cl. 250—49.5.

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Schneider, Allan K., and J. C. Thomas, to E. I. du Pont de Nemours and Co. Sulfur tetrafluoride as a surface treating agent. 2,983,626, 5–9–61, Cl. 117—106.

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Schneider, Emmor V., to Alliance Mfg. Co., Division of Consolidated Electronic Industries Corp. Electrical control circuit for door operator. 2,992,378, 7–11–61, Cl. 318—267.

Schneider, Emmor V., to The Alliance Mfg. Co., Division of Consolidated Electronics Industries Corp. Telemetering circuit. 3,005,190, 10–17–61, Cl. 340—226.

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Schneiter, Henry J., and K. F. Smith, to National Gypsum Co. Supersulfate cement slag activator. 2,967,780, 1–10–61, Cl. 106—109.
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Schnettker, Wilhelm, to Schloemann Aktiengesellschaft. Arrangement for the control of the motional actions on a cooling bed and a set of shears located before the cooling bed. 2,975,883, 3–21–61, Cl. 198—20.
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Schniepp, Lester E., R. E. Mietz, and J. H. Groves, to American Can Co. Polyamide-epoxy adhesive. 2,986,539, 5–30–61, Cl. 260—18.
Schnitt, Arthur, and E. P. De Lorenzi, to Bell Aerospace Corp. Heat insulation. 2,986,247, 5–30–61, Cl. 189—88.
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Schnitzius, Homer D., and J. M. Cox, to The Richardson Co. Injection molding. 2,995,775, 8–15–61, Cl. 18—4.
Schnizer, Arthur W., to Celanese Corp. of America. Catalytic polymerization of trioxane. 2,989,511, 6–20–61, Cl. 260—67.
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Schober, Wayne E., to Viking of Minneapolis, Inc. Tape recorder head mounting. 2,985,723, 5–23–61, Cl. 179—100.2.
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Schoen, Karl, to Endo Laboratories Inc. Aqueous solutions of quinidine salts and nicotinamide. 3,005,755, 10–24–61, Cl. 167—67.
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Schoenle, August, and W. Heyde, to Kienzle Apparate G.m.b.H. Transmission for tachometric devices. 2,985,037, 5–23–61, Cl. 74—781.
Schoenmakers, Hendrikus, to North American Philips Co., Inc. Abrasive cutting wheel. 2,978,847, 4–11–61, Cl. 51—206.
Schoenmakers, Wijnand J.: *See*—
Diemer, Gesinus, Van Santen, Duinker, and Schoenmakers. 2,967,265.
Diemer, Gesinus, Van Santen, Duinker, and Schoenmakers. 2,967,266.
Duinker, Simon, Schoenmakers, Diemer, and van Santen. 2,988,647.
Schoennauer, Arthur E., Jr., to United States of America, Navy. Microwave phase shifter. 2,995,717, 8–8–61, Cl. 333—31.
Schoennauer, Arthur E., Jr., to United States of America, Navy. Ruggedized klystron. 3,011,088, 11–28–61, Cl. 315—5.54.
Schoenrock, Kenneth H.: *See*—
Biemiller, Philip E., and Schoenrock. 2,977,750.
Schoenrock, Otto R. Bearing-seal construction. 2,985,472, 5–23–61, Cl. 286—1.
Schoepe, Adolf, and A. Ogint. Smoke detector. 2,978,582, 4–4–61, Cl. 250—43.5.
Schoepe, Adolf, and O. K. Doyle. Composite seal construction. 2,985,291, 5–23–61, Cl. 206—56.
Schoepe, Fred A., and H. J. Venables, to Thompson Ramo Wooldridge Inc. Means for optical guging. 2,984,147, 5–16–61, Cl. 88—14.
Schoepfle, Blaine O.: *See*—
Marks, Burton S., and Schoepfle. 2,993,924.
Marks, Burton S., and Schoepfle. 2,996,528.
Schoepfle, Blaine O., and P. Robitschek, to Hooker Chemical Corp. Protective coatings for polyester resins. 3,006,887, 10–31–61, Cl. 260—45.95.
Schoeppel, John F., C. H. Will, Jr., and R. Pittman, to Lear, Inc. Rotative device. 2,969,682, 1–31–61, Cl. 74—5.7.
Schoerner, Rudolph T., and J. H. White, to Taco Heaters, Inc. Vent valve with hydroscopic discs therein. 2,972,355, 2–21–61, Cl. 137—197.
Schoessow, Earl E., to The Babcock & Wilcox Co. Pool type nuclear reactor. 2,992,176, 7–11–61, Cl. 204—193.2.
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Schofer, Harry N. Power plant for helicopter. 2,974,902, 3–14–61, Cl. 244—17.19.
Schofield, Cecil, to Republic Steel Corp. Cabinet construction. 2,981,361, 4–25–61, Cl. 181—33.
Schofield, Hubert P. Vacuum packaging. 2,983,087, 5–9–61, Cl. 52—14.
Schofield, Philip J., to Imperial Chemical Industries Ltd. Liquid fuel containers. 2,973,293, 2–28–61, Cl. 154—43.5.
Schohan, George. Half-wave magnetic amplifier circuits. 2,972,100, 2–14–61, Cl. 323—89.
Schohan, George, to United States of America, Navy. Magnetic amplifier frequency sensor circuits. 2,994,831, 8–1–61, Cl. 329—110.

Schöldström, Karl O. R.: *See*—
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Friden, Sten G., and Schöldström. 2,982,167.

Scholfield, Charles R.: *See*—
Dutton, Herbert J., and Scholfield. 3,012,890.

Scholin, Axel R. Unidirectional valve for metering pumps and the like. 2,977,980, 4–4–61, Cl. 137—538.

Scholin, Axel R. Motion transmitting apparatus for pump plungers and the like. 2,981,116, 4–25–61, Cl. 74—44.

Scholl, Leidy G. Removable brush shank. 3,008,165, 11–14–61, Cl. 15—176.

Scholl Mfg. Co., Inc., The: *See*—
Digate, James S. 2,998,983.
Scholl, William M. 2,979,836.

Scholl, Walter: *See*—
Benade, Walter, Dittmar, and Scholl. 2,978,445.

Scholl, Walther, to Daimler-Benz Aktiengesellschaft. Shoe brake construction. 2,976,958, 3–28–61, Cl. 188—79.5.

Scholl, William M. Household or bath slipper. 2,971,278, 2–14–61, Cl. 36—9.

Scholl, William M. Foot cushioning device. 2,979,835, 4–18–61, Cl. 36—44.

Scholl, William M., to The Scholl Mfg. Co., Inc. Foot cushioning device for use in articles of footwear. 2,979,836, 4–18–61, Cl. 36—71.

Scholl, William M. Method of packaging. 2,984,056, 5–16–61, Cl. 53—22.

Scholl, William M. Foot cushioning and supporting device. 3,007,474, 11–7–61, Cl. 128—586.

Scholle, Sigurd: *See*—
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Schöllkopf, Gottfried, to Fa. Spintex Spinnerei-Maschinenbau Stiehl, Baumann & Co. Spinning and twisting spindles. 3,012,394, 12–12–61, Cl. 57—132.

Scholten, Jacob W., to North American Philips Co., Inc. Signal expansion device. 2,967,992, 1–10–61, Cl. 323—66.

Scholten, William D., to Deluxe Coils, Inc. Automatic bobbin winder including positionable traverse mechanism. 3,011,729, 12–5–61, Cl. 242—9.

Scholtens, Siebolt. Pinochle scoring device. 3,002,682, 10–3–61, Cl. 235—78.

Scholtes, Albert J. Mechanical movement. 2,990,720, 7–4–61, Cl. 74—86.

Scholtes, Donald R., and W. E. Large, to Westinghouse Electric Corp. Electric discharge regulating apparatus. 2,970,254, 1–31–61, Cl. 323—18.

Scholtes, Donald R., and W. E. Large, to Westinghouse Electric Corp. Voltage regulator for intermittent current operation. 2,985,816, 5–23–61, Cl. 323—18.

Scholtes, Donald R., and W. E. Large, to Westinghouse Electric Corp. Electric discharge apparatus. 3,005,947, 10–24–61, Cl. 323—58.

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Ruschig, Heinrich, Aumuller, Korger, Wagner, Scholz, and Bander. 2,976,317.

Scholz, Michael P., to Paragon Products Corp. Dash-pot. 2,969,973, 1–31–61, Cl. 267—1.

Scholz, Werner: *See*—
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Schomann, Leonid, to A. Eckerfeld. Electric continuous-flow heater with water deficiency protection and safety switch. 2,973,424, 2–28–61, Cl. 219—39.

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Schomburg, Walter E., to Whirlpool Corp. Home appliance. 2,999,368, 9–12–61, Cl. 62—272.

Schomer, Robert T., to The Babcock & Wilcox Co. Liquid metal purifier. 2,969,970, 1–31–61, Cl. 266—37.

Schomers, William H., to The Kristi Co. Suspension and drive mechanism for endless tread vehicles. 2,967,578, 1–10–61, Cl. 180—6.7.

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Schön, Richard, to Výzkumný a zkušební letecký ústav. Cyclic pitch control system for rotors of helicopter aircraft. 2,969,117, 1–24–61, Cl. 170—160.25.

Schön, Richard, to Výzkumný a zkušební letecký ústav. Devices for stabilising helicopter aircraft. 2,971,584, 2–14–61, Cl. 170—160.16.

Schön, Richard, to Výzkumný a zkušební letecký ústav. Rotor hub for helicopter aircraft. 2,971,586, 2–14–61, Cl. 170—160.56.

Schonbeck, Rupert, to Osterreichische Stickstoffwerke Aktiengesellschaft. New pyridazine derivatives and a process of making same. 3,010,962, 11–28–61, Cl. 260—250.

Schönberg, Endre, and L. Van Assendelft, to American Enka Corp. Manufacture of paper. 3,002,880, 10–3–61, Cl. 162—157.

Schoning, Richard H. Testing and scoring device. 2,976,620, 3–28–61, Cl. 35—9.

Schonitzer, Rudolph I., to L. W. Menzimer. Door holding devices. 2,992,452, 7–18–61, Cl. 16—141.

Schonitzer, Rudolph I., to L. W. Menzimer. Door support means. 3,008,174, 11–14–61, Cl. 16—85.

Schonitzer, Rudolph I., to L. W. Menzimer. Method of making door support housings. 3,008,441, 11–14–61, Cl. 113—116.

Schonitzer, Rudolph I., and A. R. De Vito, to L. W. Menzimer. Door holding devices. 2,992,451, 7–18–61, Cl. 16—141.

Schonrock, Edwin A., to Fruehauf Trailer Co. Rocker table sheave block and spring hanger assembly for dump trailers. 2,985,484, 5–23–61, Cl. 298—20.

Schonrock, Edwin A., to Fruehauf Trailer Co. Tilting mechanism with auxiliary structure for dumping vehicles. 2,992,856, 7–18–61, Cl. 298—20.

Schonrock, Edwin A. Apparatus for garbage disposal. 3,013,675, 12–19–61, Cl. 214—41.

Schonstedt, Erick O., to United States of America, Navy. Fliud gyroscope for indicating orientation of a spinning missile. 2,980,363, 4–18–61, Cl. 244—14.

Schonstedt, Erick O. Saturable measuring device and magnetic core therefor. 2,981,885, 4–25–61, Cl. 324—43.

Schonthaler, Rubi: *See*—
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Schoolcraft, Edwin H., C. M. Nelson, and J. E. Cahill, to Northwest Nut Growers. Nut feeding apparatus. 3,009,561, 11–21–61, Cl. 198—33.

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Schoonover, Paul L., to Monolith Portland Cement Co. Rotary kilns. 2,980,413, 4–18–61, Cl. 263—32.

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Schoot, Cornelis J.: *See*—
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Schoot, Cornelis J., K. H. Klaassens, and J. J. Ponjee, to North American Philips Co., Inc. Method of producing aromatic compounds substituted by hydrocarbon groups in the nucleus. 2,966,514, 8–15–61, Cl. 260—329.

Schoot, Cornelis J., and J. H. Van Rij, to North American Philips Co., Inc. Method of producing diphenyl sulphones. 2,999,883, 9–12–61, Cl. 260—607.

Schoppe, Fritz, to Metallbau Semler G.m.b.H. External combustion stato-jet engine. 2,995,317, 8–8–61, Cl. 244—14.

Schoppelrey, Heinrich, to Fichtel & Sachs A.G. Photoelectric program control. 2,994,000, 7–25–61, Cl. 250—233.

Schork, Leonard: *See*—
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Schornstheimer, Robert E., to The B. F. Goodrich Co. Method and apparatus for decorating web or sheet material with glitter. 2,010,845, 11–28–61, Cl. 117—71.

Schorr, Theodore H.: *See*—
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Schors, Alfred: *See*—
Van der Neut, Jan Hendrik, Roebersen, Schors, and van der Werff. 2,972,586.

Schorsch, Gerald. Method of preparing monosubstituted piperazines. 2,973,362, 2–28–61, Cl. 260—268.

Schott, Arthur K., and C. E. Wilson, to Houdaille Industries, Inc. Press clutch. 2,979,905, 4–18–61, Cl. 60—54.5.

Schott, Charles M., to Thomas Electronics, Inc. Focusing header assembly machine. 3,009,292, 11–21–61, Cl. 49—1.

Schott, Donald E., to Thomas C. Wilson, Inc. Overspeed safety devices. 2,977,931, 4–4–61, Cl. 121—33.

Schott, Eugene A., to Goodyear Aircraft Corp. Car support for non-rigid airships. 3,006,577, 10–31–61, Cl. 244—30.

Schott, Gene D., and R. L. Schlechter, to Martin-Marietta Corp. Mortar locating computer. 3,014,648, 12–26–61, Cl. 235—61.5.

Schott, Stuart: *See*—
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Robinson, Robert E., and Schott. 3,007,907.

Schott, Warren B., to L. J. Barwood Mfg. Co., Inc. Machine for assembling fastener units. 3,012,344, 12–12–61, Cl. 10—155.

Schott, Warren B., J. E. Murphy, A. E. Di Maio, and R. G. Carlson, to L. J. Barwood Mfg. Co. Inc. Washer and screw assembly machine with electric control circuit completed by current flowing through washer at assembly station. 3,012,258, 12–12–61, Cl. 10—155.

Schöttle, Hans. Combined electrical vacuum cleaner and polisher. 3,013,293, 12–19–61, Cl. 15—347.

Schottle, Ulrich: *See*—
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Schouw, Arthur C., to Burroughs Corp. Parts treating and coating apparatus. 2,989,027, 6–20–61, Cl. 118—64.

Schouweiler, James F., to Western Electric Co., Inc. Testing circuits. 2,985,820, 5–23–61, Cl. 324—26.

Schpatz, Adolph J., to Continental Can Co., Inc. Can body maker and expandable horn therefor. 3,000,337, 9–19–61, Cl. 113—8.

Schraber, Henry A. Dry cleaning apparatus. 2,977,784, 4–4–61, Cl. 68—38.

Schrade, Eugen, and W. Bock, to SWF-Spezialfabrik für Autozubehor Gustav Rau G.m.b.H. Windshield washing mechanism. 3,011,199, 12–5–61, Cl. 15—250.02.

Schrader, Gerhard: *See*—
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Lorenz, Walter, and Schrader. 2,995,595
Lorenz, Walter, and Schrader. 3,008,976.
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Schlör, Hansheimut, Schegk, and Schrader. 2,983,748.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Amino-thiophosphoric acid esters and a process for their production. 2,971,020, 2-7-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of thiol-phosphoric acid esters. 2,976,309, 3-21-61, Cl. 260—461.
Schrader Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Dithiophosphoric acid esters. 2,976,311, 3-21-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Process for making thionophosphoric acid esters of a-hydroxy-methyl-thioethers. 2,976,312, 3-21-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric acid esters and process for their manufacture. 2,980,581, 4-18-61, Cl. 167—33.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Phenyl phosphonic acid esters. 2,992,265, 7-11-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Esters of phosphoric and thiophosphoric acids containing sulfoxide groups and process for their production. 2,999,874, 9-12-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric acid esters. 3,004,980, 10-17-61, Cl. 260—306.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiomethylals and preparation thereof. 3,006,965, 10-31-61, Cl. 260—609.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Phosphonic and phosphinic acid esters and process for their production. 3,008,977, 11-14-61, Cl. 260—461.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorus-containing derivatives of benzylmercaptan and process for their production. 3,013,047, 12-12-61, Cl. 260—461.
Schrader, Joseph B.: *See*—
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Liebrandt, Karl, and Schrader. 2,986,909.
Schrader, William J., to General Motors Corp. Ventilation of internal combustion engines. 2,991,775, 7-11-61, Cl. 123—119.
Schraeder, Martin W. Water softening apparatus. 3,003,636, 10-10-61, Cl. 210—97.
Schram, Richard M., to California Research Corp. Propylene dimerization. 2,986,588, 5-30-61, Cl. 260—683.15.
Schrameck, Jack E.: *See*—
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Schrameck, Jack E., to Westinghouse Electric Corp. Compressed-gas circuit interrupter. 2,970,198, 1-31-61, Cl. 200—148.
Schrameck, Jack E., and R. E. Kane, to Westinghouse Electric Corp. Circuit interrupters. 3,009,042, 11-14-61, Cl. 200—145.
Schramm, Arthur G. Self lowering tilt bed trailer. 2,990,966, 7-4-61, Cl. 214—505.
Schramm, Carl, to The Smyth Mfg. Co. Folding and creasing mechanism for a case making machine. 3,009,179, 11-21-61, Cl. 11—2.
Schramm, Carl, to The Smyth Mfg. Co. Book casing-in machine and adhesive applying attachment therefor. 3,009,180, 11-21-61, Cl. 11—3.
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Fredd, John V., and Schramm. 3,008,522.
Grimmer, George G., and Schramm. 2,999,546.
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Schratt, Frank S. Thermometer having calibration compensator. 2,993,378, 7-25-61, Cl. 73—362.4.
Schrauf, Robert, and A. Frey, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of light voluminous silicates. 2,981,599, 4-25-61, Cl. 23—110.
Schreck, Irvin F. Explosion proof industrial truck. 2,976,945, 3-28-61, Cl. 180—19.
Schreck, Irvin F. Chain type steering mechanism. 2,982,564, 5-2-61, Cl. 280—93.
Schrecker, Howard F., and T. C. Singleton, to Aluminum Co. of America. Coil handling apparatus. 2,970,706, 2-7-61, Cl. 214—89.
Schrecongost, Ray, to Sylvania Electric Products Inc. Sweep circuit. 2,986,702, 5-30-61, Cl. 328—65.
Schreiber, L. D., & Co., Inc.: *See*—
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Schreiner, Kenneth E., to International Business Machines Corp. Electronic apparatus. 3,000,564, 9-19-61, Cl. 235—176.
Schreiner, Kenneth E., and B. L. Havens, to International Business Machines Corp. Information-handling apparatus. 2,987,253, 6-6-61, Cl. 235—176.
Schreiner, Robert J., to General Electric Co. Apparatus for evaluating the printing of machine readable documents. 2,985,298, 5-23-61, Cl. 209—72.
Schreiner, Warren C., and D. F. Palazzo, to The M. W. Kellogg Co. Treatment of iron ore. 2,993,759, 7-25-61, Cl. 23—200.
Schremp, Frederic W., to California Research Corp. Diffusion apparatus. 2,993,542, 7-25-61, Cl. 166—243.
Schreter, Arnold H.: *See*—
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Schreter, Robert E., to Hauck Mfg. Co. Apparatus for burner ignition and flame detection. 3,002,550, 10-3-61, Cl. 158—28.
Schreter, Sidney H. and A. H. Integrated clasp for use with neckties. 2,990,551, 7-4-61, Cl. 2—145.
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Schrewelius, Nils G., and S. Amberg, to Aktiebolaget Kanthal. Manufacture of electric resistance elements. 2,993,111, 7-18-61, Cl. 219—118.
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Schreyer, Edward P. Electric steam irons. 2,993,286, 7-25-61, Cl. 38—77.
Schreyer, Kenneth D., to Columbus McKinnon Chain Corp. Conveyor trolley. 2,968,257, 1-17-61, Cl. 105—150.
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Gilbert, George R., Schriesheim, and McCormick. 2,978,524.
Schrimpf, Theodor, to Deutsche Telephonwerke und Kabelindustrie, Aktiengesellschaft (De Te We). Shifting device for sliding carriages in office machines. 2,980,321, 4-18-61, Cl. 235—60.
Schröder, Heinrich, F. Hoppe, and H. O. Schröter. Cocking and locking levers, especially for brake rods. 2,985,032, 5-23-61, Cl. 74—536.
Schröder, Johann F., to C. C. Egelhaaf, Kommanditgesellschaft. Thread retarder for shuttles. 2,996,084, 8-15-61, Cl. 139—213.
Schroder, Walter K. Screen for picture projection. 2,996,954, 8-22-61, Cl. 88—28.91.
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Schroeder, Adolph C. Filing cabinet. 3,009,754, 11-21-61, Cl. 312—282.
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Pritchard, Dalton H., and Schroeder. 2,983,783.
Sziklai, George C., and Schroeder. 3,013,116.
Schroeder, Alfred C., to Radio Corp. of America. Recording and reproducing system. 2,979,557, 4-11-61, Cl. 178—5.2.
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Schroeder, Charles E., and H. P. Byrnes, to International Business Machines Corp. Capacitive prime mover. 2,975,307, 3-14-61, Cl. 310—6.
Schroeder, Charles F., to Owens-Corning Fiberglas Corp. Method and apparatus for forming fibers. 2,978,744, 4-11-61, Cl. 18—2.5.
Schroeder, Charles S., to The Yale and Towne Mfg. Co. Inching control for industrial truck. 2,972,906, 2-28-61, Cl. 74—732.
Schroeder, Charles S., M. M. Check, and R. Schmid, to The Yale and Towne Mfg. Co. Hydraulic mechanism for a door operating system. 3,003,317, 10-10-61, Cl. 60—52.
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Schroeder, George F., to Sperry Rand Corp., Ford Instrument Co. Division. Analog-to-digital converter. 2,988,737, 6-13-61, Cl. 340—347.
Schroeder, George F., to Sperry Rand Corp. Squaring unit. 3,008,348, 11-14-61, Cl. 74—674.
Schroeder, George F., V. H. Seliger, S. I. Frann, R. J. Hardigan, and G. A. Lieske, to Sperry Rand Corp., Ford Instrument Co. Division. Rhumbline course and distance computer. 2,989,233, 6-20-61, Cl. 235—61.
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Schroeder, Herbert M., R. L. Terrill, and H. M. Hauge, to Spencer Kellogg and Sons, Inc. Thixotropic oil vehicle. 2,996,396, 8-15-61, Cl. 106—252.
Schroeder, Herbert M., J. A. Pawlak, and D. J. Waythomas, to Spencer Kellogg and Sons, Inc. Thixotropic oil vehicle. 2,996,464, 8-15-61, Cl. 260—23.
Schroeder, Herman F.: *See*—
Pailthorp, John R., and Schroeder. 2,968,649.
Schroeder, Juel P., and E. C. Leonard, Jr., to Union Carbide Corp. Phosphorylated olefin polymers. 3,008,939, 11-14-61, Cl. 260—88.2.

Schroeder, Paul A., to Plastics Specialties, Inc. Receptacle. 2,996,208, 8–15–61, Cl. 215—99.5.
Schroeder, Royal E.: *See*—
Amala, Raymond S., and Schroeder. 2,976,588.
Schroeder, Samuel A.: *See*—
Gregoire, Stephen E., Davies, and Schroeder. 2,982,937.
Schroeder, Walter A.: *See*—
Matt, Joseph Z., and Schroeder. 3,007,952.
Schroeder, Wesley D., and H. N. Beaudet, to Pittsburgh Chemical Co. Vinyl resins plasticized with a mixture of diisodecyl phthalate and the 1,4-butanediol diesters of capric and caprylic acids. 3,010,930, 11–28–61, Cl. 260—31.6.
Schroeder, Wilburn C., H. D. Levene, and T. G. Stephenson, to Fossil Fuels, Inc. Apparatus for feeding finely divided solids. 3,001,652, 9–26–61, Cl. 214—17.
Schroeder, William: *See*—
Hoffman, Frederick C., and Schroeder. 2,966,873.
Schroeder, William, to The Upjohn Co. Preparing N'glycosides of aldose and ketose sugars. 2,993,039, 7–18–61, Cl. 260—211.5.
Schroeder, William, to The Upjohn Co. Process for the preparation of ketosidopurines. 3,014,900, 12–26–61, Cl. 260—211.5.
Schroeder, William F., and C. J. Houser, to National Dairy Products Corp. Shortening. 2,968,564, 1–17–61, Cl. 99—118.
Schroeter, Christa B. E.: *See*—
Schroeter, Gustav-Adolf. 2,980,535.
Schroeter, Gustav-Adolf, deceased, C. B. E. Schroeter, widow and heir, and legal representative of U., I., J. K., and S. Schroeter, to Feldmühle Papier- und Zellstoffwerke Aktiengesellschaft. Light sensitive layers of synthetic materials. 2,980,535, 4–18–61, Cl. 96—35.
Schroeter, Ivo: *See*—
Schroeter, Gustav-Adolf. 2,980,535.
Schroeter, Jonke K.: *See*—
Schroeter, Gustav-Adolf. 2,980,535.
Schroeter, Louis C.: *See*—
Wechter, William J., Schroeter, and Buhler. 3,012,046.
Schroeter, Silvelin: *See*—
Schroeter, Gustav-Adolf. 2,980,535.
Schroeter, Udo: *See*—
Schroeter, Gustav-Adolf. 2,980,535.
Schron, Christy, to Jergens Tool Specialty Co. Clamping means with self-aligning pad. 2,997,084, 8–22–61, Cl. 144—297.
Schropp, Rudolf P., to Le Four Industriel Belge. Apparatus for regulating the composition of a mixture of air and fuel-gas. 2,992,084, 7–11–61, Cl. 48—180.
Schröter, Fritz, to Telefunken G.m.b.H. Television error compensation. 2,989,585, 6–20–61, Cl. 178—5.4
Schroter, Fritz, to Telefunken G.m.b.H. Color television picture reproducer. 3,006,989, 10–31–61, Cl. 178—5.4.
Schroter, Fritz, to Telefunken G.m.b.H. Apparatus for storing intelligence signals. 3,008,794, 11–14–61, Cl. 346—74.
Schröter, Hans O.: *See*—
Schröder, Heinrich, Hoppe, and Schröter. 2,985,032.
Schröter, Kurt: *See*—
Walterscheid-Müller, B., and Schröter. 2,992,548.
Schrotz, Kurt, to SKF Kugellagerfabriken G.m.b.H. Support for top rolls carrying arm of a drafting assembly of a spinning machine. 2,984,873, 5–23–61, Cl. 19—134.
Schrotz, Kurt, to SKF Kugellagerfabriken Gesellschaft mit beschrankter Haftung. Textile drawing mechanism. 3,006,036, 10–31–61, Cl. 19—135.
Schruhl, William J.: *See*—
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Schrum, Robert W., to Sinclair Refining Co. Diester fluids containing basic sulfonates, N-butyryl-p-amino phenol and phenothiazine. 2,992,183, 7–11–61, Cl. 252—33.4.
Schrum, Wilbur T., Sr., to Impact Rotor Tool Inc. Rotary drill and impact tool. 2,970,483, 2–7–61, Cl. 74—22.
Schub, Leonard: *See*—
Orlando, Matthew. 2,973,698.
Schubert, Adolf, G. Cohen, R. M. Delcamp, and R. M. Lollar, to United States of America, Army. Treatment of feathers with werner-type chromium complexes. 2,975,018, 3–14–61, Cl. 8—94.1.
Schubert, Bernhard: *See*—
Rudszinat, Willy, and Schubert. 3,010,261.
Schubert, Bernhard, to Hauni-Werke Korber & Co., K.G. Device for rolling a connector sheet around the butting points of cigarettes and filters. 3,001,528, 9–26–61, Cl. 131—94.
Schubert, Clement F., to Union Carbide Corp. Process for preparing silicon esters from halosilanes. 3,008,975, 11–14–61, Cl. 260—448.8.
Schubert, Dale L.: *See*—
Brookhyser, Byron B., Erickson, and Schubert. 2,969,095.
Erickson, Harold E., N. E. and C. V. Nelson, and Schubert. 2,997,080.
Erickson, Harold E., Riley, and Schubert. 2,968,389.
Erickson, Harold E., Riley, and Schubert. 2,997,079.
Erickson, Harold E., Riley, and Schubert. 8,003,197.
Schubert, Dale L., H. E. Erickson, and R. W. Riley, ½ to said Schubert, and ½ to Industrial Development Co. Mat forming method and apparatus. 2,969,104, 1–24–61, Cl. 154—1.
Schubert, Dale L., and W. C. Connick; said Connick assor. to Industrial Development Co., Inc. Rotary crossgrain wood flaker. 2,997,082, 8–22–61, Cl. 144—230.
Schubert, Egon: *See*—
Plasser, Franz, Theurer, and Schubert. 3,013,616.
Schubert, Ernest J., to Westinghouse Electric Corp. Triggered relay circuit. 3,010,053, 11–21–61, Cl. 317—148.5.
Schubert, Ewald: *See*—
Kofink, Siegfried, Schubert, and Munzenmaier. 3,008,642.
Schubert, Friedrich: *See*—
Goerrig, Dieter, and Schubert. 2,991,152.
Gund, Felix, Schubert, and Goerrig. 2,976,110.
Schubert, Friedrich, and K. Lang, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of boron-nitrogen compounds. 2,994,698, 8–1–61, Cl. 260—290.
Schubert, Friedrich, D. Goerrig, and M. Soll; said Schubert and said Soll assors. to said Goerrig. Process for vatting of vat dyestuffs. 3,000,688, 9–19–61, Cl. 8—34.
Schubert, Fritz, and E. Kern, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dyestuffs of the auramine series which are soluble in alcohols. 3,009,924, 11–21–61, Cl. 260—396.
Schubert, Herman A., and D. H. Spies, said Spies assor. to said Schubert. Stamping machine. 3,005,405, 10–24–61, Cl. 101—41.
Schubert, Richard C., to Ford Motor Co. Vehicle wheel. 3,006,692, 10–31–61, Cl. 301—63.
Schubring, Norman W., and M. E. Fitch, to General Motors Corp. Differentiating circuit. 2,977,544, 3–28–61, Cl. 328—127.
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Schuchardt, John R. 2,994,115.
Schuchardt, John R., deceased, by H. M. Schuchardt, executrix, to Dollin Corp. Safety device for die casting machines. 2,994,115, 8–1–61, Cl. 22—68.
Schuchert, Wilhelm, to Dr. C. Otto & Co., G.m.b.H. Bracing for industrial furnaces. 2,995,871, 8–15–61, Cl. 50—128.
Schuck, Anthony G., to J. M. Lee. Method of forming ball point pens. 2,976,610, 3–28–61, Cl. 29—441.
Schuck, Oscar H., to Minneapolis-Honeywell Regulator Co. Hyperbolic navigation system and computer therefor. 2,991,011, 7–4–61, Cl. 235—187.
Schuck, Oscar H., to Minneapolis-Honeywell Regulator Co. Computers. 3,011,717, 12–5–61, Cl. 235—193.
Schudson, Howard M., to Crown Prince, Inc. Garment. 2,986,740, 6–6–61, Cl. 2—115.
Schueller, Otto, to United States of America, Air Force. Oxygen cooling system. 3,006,161, 10–31–61, Cl. 62—312.
Schueller, Otto. Zero gravity sensor. 3,010,219, 11–28–61, Cl. 35—12.
Schueller, Otto. Means for simulating certain environmental conditions of outer space. 3,010,220, 11–28–61, Cl. 35—12.
Schuenzel, Ernest C.: *See*—
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Schuerger, Thomas R., and F. Slamar, to United States Steel Corp. Method and apparatus for controlling discharge of materials. 2,997,205, 8–22–61, Cl. 222—1.
Schuert, Edward A., to United States of America, Navy. Fallout plotting device. 2,973,579, 3–7–61, Cl. 33—1.
Schuessler, Charles J., and H. Wilzig. Latching device for swinging doors. 3,005,650, 10–24–61, Cl. 292—203.
Schuessler, John C., and A. O. Adams, to Leach Corp. Single gap relay. 2,975,341, 3–14–61, Cl. 317—188.
Schuessler Knitting Mills, Inc.: *See*—
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Schuessler, Walter E., to Schuessler Knitting Mills, Inc. Cuffed cap and face hood and method of forming. 2,998,611, 9–5–61, Cl. 2—202.
Schuette, Donald K.: *See*—
Youngbeck, Karl W., Goerg, and Schuette. 2,974,299.
Schuff, Bernard W.: *See*—
Macha, Edward A., and Schuff. 2,966,740.
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Endter, Friedrich, and Schuffler. 2,987,382.
Schugam, Alvin C.: *See*—
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Schuh, Niles F., and L. R. Lowry, Jr., to Westinghouse Electric Corp. Undervoltage sensing circuit. 3,001,100, 9–19–61, Cl. 317—31.
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Haumann, Ernst, and Lorenz. 2,968,054.
Schukoff, Bruno: *See*—
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Schule, Elmer C., to Allied Chemical Corp. Stabilized polycaproamide compositions. 3,003,995, 10–10–61, Cl. 260—45.8.
Schulein, Joseph. Temperature telltale. 2,971,852, 2–14–61, Cl. 99—192.
Schulein, Joseph, and J. Yannacakis, to United States Borax & Chemical Corp. Purification of elemental boron. 2,987,383, 6–6–61, Cl. 23—295.
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Walker, Wendell R., and Schulenburg. 2,970,200.
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Greenwood, Thomas L., and Schuler. 2,996,915.
Schuler, Albert E., to United States of America, Army. Pressure balance. 2,992,302, 7–11–61, Cl. 200—81.5.

Schüler, Erwin, and E. Hedtmann, to Barmer Maschinenfabrik Aktiengesellschaft. Apparatus for holding bobbins. 2,989,257, 6–20–61, Cl. 242—18.
Schuler, L., A.G.: *See*—
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Schuler, Wilhelm A., to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Basically substituted azaphenothiazines. 2,989,529, 6–20–61, Cl. 260—243.
Schuler, Wilhelm A., and H. Klebe, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Thiophenylpyridyl amines. 2,974,139, 3–7–61, Cl. 260—243.
Schulien, Howard E.: *See*—
Rosenberg, Andrew M., Conway, and Schulien. 2,977,559.
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Schuller, Edward J.: *See*—
Green, Julius, Schuller, Rikert, and Borders. 2,992,925.
Schuller, James T.: *See*—
Holstein, Alvin W., Marr, and Schuller. 2,993,581.
Schuller, James T., to National Vendors, Inc. Coin apparatus. 2,991,867, 7–11–61, Cl. 194—18.
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Schuller, Walter H., to American Cyanamid Co. Cyanoethylated polyacrylonitrile compositions. 2,977,337, 3–28–61, Cl. 260—45.5.
Schuller, Walter H., and D. C. Guth, to American Cyanamid Co. Method of plasticizing polyacrylonitrile with a base-initiated copolymer of acrylonitrile and acrylamide. 2,974,119, 3–7–61, Cl. 260—45.5.
Schuller, Walter H., and J. A. Price, to American Cyanamid Co. Polymers of vinyl pyridinium betaines. 2,977,341, 3–28–61, Cl. 260—78.
Schuller, Werner. Heating device. 2,973,190, 2–28–61, Cl. 263—2.
Schuller, Werner. Manufacture of a web or mat made from glass fibre or a substance having similar characteristics. 2,996,402, 8–15–61, Cl. 154—1.
Schuller, Werner H. W., and E. Friedrich, to W. H. W. Schuller. Method and apparatus for the production of filaments or fibre from glass. 2,987,761, 6–13–61, Cl. 18—2.5.
Schuller, Werner and W., H. Keib, and H. Hohlfeld. Method and apparatus for the production of filaments of glass or like thermoplastic materials. 3,008,183, 11–14–61, Cl. 18—8.
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Schullstrom, Sten G.: *See*—
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Sienklewicz, Boleslaw, Kohler, and Schulman. 2,977,203.
Schulmerich Electronics, Inc.: *See*—
Kunz, Jacob T. 3,013,461.
Schuls, Frank J. H. Cattle slaughtering chute unit. 2,979,762, 4–18–61, Cl. 17—1.
Schulte Brass Mfg. Co., Inc.: *See*—
Kokenge, Elmer J. 2,975,558.
Mouille, John T., Sr. 2,975,557.
Schulte, Elwood V.: *See*—
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Schulte, Elwood V., to Koppers Co., Inc. Method of removing and disposing of ammonia from coke oven gas. 3,000,693, 9–19–61, Cl. 23—2.
Schulte, Frederick J. Invalid's apparatus. 2,991,485, 7–11–61, Cl. 5—81.
Schulte, Harold F.: *See*—
Barnes, Kenneth H., and Schulte. 2,993,309.
Schulte, Harry J., Jr., to Bell Telephone Laboratories, Inc. Precession storage delay circuit. 2,978,680, 4–4–61, Cl. 340—172.5.
Schulte, Karl, to E. Merck Aktiengesellschaft. Derivatives of 1-aminopropane. 2,991,289, 7–4–61, Cl. 260—296.
Schulte, Marshall J., G. A. Douglas, and R. H. Ludemann, to United States Defense Corp. Projectile fabricating apparatus. 2,972,410, 2–21–61, Cl. 209—82.
Schultheis, Heinz, W. Kallert, H. Nordt, and D. Delfs, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Chemical reactions. 3,012,991, 12–12–61, Cl. 260—75.
Schultz, Abraham Y. Containers. 2,975,464, 3–21–61, Cl. 15—563.
Schultz, Alfred W., to The Cleveland Crane & Engineering Co. Clutch. 2,981,391, 4–25–61, Cl. 192—85.
Schultz, Arthur B.: *See*—
Breden, Calvin R., and Schultz. 2,987,458.
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Schultz, Charles A., to Lok-Seal, Inc. Bottle closure with cork. 3,001,659, 9–26–61, Cl. 215—48.
Schultz, Edward H. Transmission carriers. 2,988,354, 6–13–61, Cl. 269—140.
Schultz, Edward H. Automobile bumper jack saddles. 2,998,961, 9–5–61, Cl. 254—133.
Schultz, Edward H., Jr., to The Nagel-Chase Mfg. Co. Sheet metal pulley with drawn hub. 2,981,120, 4–25–61, Cl. 74—230.8.
Schultz, Forrest O. E., to Midland-Ross Corp. Differential pressure servo-motor. 3,002,499, 10–3–61, Cl. 121—41.
Schultz, Forrest O. E., to Midland-Ross Corp. Brake booster mechanism. 3,013,535, 12–19–61, Cl. 121—41.
Schultz, Forrest O. E., to Midland-Ross Corp. Booster brake mechanism. 3,013,537, 12–19–61, Cl. 121—41.
Schultz, Frederick A., to International Business Machines Corp. Electrical connector. 3,001,171, 9–19–61, Cl. 339—217.
Schultz, Frederick S., M. A. Levinstein, and G. F. Albers, to General Electric Co. Coated molybdenum article. 2,993,678, 7–25–61, Cl. 253—77.
Schultz, Guillermo. Guide for handwriting analysis. 2,988,826, 6–20–61, Cl. 35—36.
Schultz, Harold B., to The Bendix Corp. Power steering valve. 2,968,316, 1–17–61, Cl. 137—622.
Schultz, Harold B., to The Bendix Corp. Fluid suspension leveling valve. 2,998,243, 8–29–61, Cl. 267—64.
Schultz, Harold W.: *See*—
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Schultz, Harry E., to General Electric Co. Transistor inverter circuits. 2,971,126, 2–7–61, Cl. 315—205.
Schultz, Harry E., to General Electric Co. Transistor power inverter. 2,971,166, 2–7–61, Cl. 331—113.
Schultz, Harry E., to General Electric Co. Transistor low drain converter. 3,012,181, 12–5–61, Cl. 321—2.
Schultz, Harry G., and W. G. Hess, to Dana Corp. Joint welding machine. 2,983,807, 5–9–61, Cl. 219—125.
Schultz, Henry J.: *See*—
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Schultz, Herman E. Collapsible and portable shelters. 2,970,600, 2–7–61, Cl. 135—5.
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Schultz, Herman S., S. R. Buc, and H. B. Freyermuth, to General Aniline & Film Corp. Production of sulfoxides and sulfones. 3,006,962, 10–31–61, Cl. 260—607.
Schultz, Herold E., to General Electric Co. Arc stray control. 2,994,763, 8–1–61, Cl. 219—123.
Schultz, John B., to Radio Corp. of America. Transistor radio receivers. 3,007,046, 10–31–61, Cl. 250—20.
Schultz, Lawrence L. Folding table. 3,005,670, 10–24–61, Cl. 311—89.
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Schultz, Mortimer A., and G. W. Nagel, to United States of America, Navy. Radar target tracking system. 2,978,698, 4–4–61, Cl. 343—7.3
Schultz, Moses R., to Knoll Associates, Inc. Stacking chair. 2,967,565, 1–10–61, Cl. 155—2.
Schultz, Oswald C., to Laboratory Equipment Corp. Speed responsive rotary drive. 2,983,350, 5–9–61, Cl. 192—84.
Schultz, Ralph, to Kelsey-Hayes Co. Extensible and retractable structure. 2,971,600, 2–14–61, Cl. 182—88.
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Schultz, Raymond J.: *See*—
Coleman, Thomas E., and Schultz. 2,971,230.
King, Kenneth K., and Schultz. 3,003,831.
Zeigler, Philip B., White, and Schultz. 2,992,013.
Schultz, Raymond J., to General Motors Corp. Torque transmitting slip joint. 3,001,387, 9–26–61, Cl. 64—23.
Schultz, Robert S., to American Can Co. Ball-type dispenser. 2,997,731, 8–29–61, Cl. 15—572.
Schultz, Robert T. Transistor circuit. 2,971,102, 2–7–61, Cl. 307—93.
Schultz, Robert W.: *See*—
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Schultz, Rudolph H., and A. J. Siebert, deceased (by B. E. Siebert, executrix). Self-adjusting mill-roll supporting mandrel. 3,001,736, 9–26–61, Cl. 242—72.
Schultz, Warner W., to General Electric Co. Radiation detector. 2,986,635, 5–30–61, Cl. 250—71.5.
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Schultz, Werner F.: *See*—
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Schultz, Werner F., to General Motors Corp. Safety systems for electric fuel pumps. 2,989,644, 6–20–61, Cl. 290—36.
Schultz, Wilburn E., to Shell Oil Co. Method and apparatus for sealing water formations in a well. 2,986,212, 5–30–61, Cl. 166—21.
Schultz, William L., and M. J., to Red Lake County State Bank. Bead breaker. 2,978,017, 4–4–61, Cl. 157—1.26.
Schultze, Harold E., to General Motors Corp. Hydraulic shock absorber with compression cut-off. 2,984,321, 5–16–61, Cl. 188—88.
Schulwitz, Oliver J., to Eastman Kodak Co. Method of treating paper prepared from partially acetylated cellulose fibers. 2,992,156, 7–11–61, Cl. 162—157.
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Schulz, George K.: *See*—
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Schulz, Gustav, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Gas analysis based upon absorption of infrared rays. 2,999,158, 9–5–61, Cl. 250—43.5.
Schulz, Hans. Device for rendering floatable articles of all kinds, especially vehicles. 2,967,507, 1–10–61, Cl. 115—1.
Schulz, Hans, W. Bludau, J. Lesche, and E. Bottcher, to VEB Kondensatorenwerk Gera. Electrolytes for electrolytic condensers. 2,984,625, 5–16–61 Cl. 252—62.2.
Schulz, Hans A., to Burroughs Corp. Crossfooter clear sensing mechaniam. 2,987,244, 6–6–61, Cl. 235—60.2.
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Schulz, Johann G. D., to Gulf Research & Development Co. Process for producing diaryl paraffins. 3,002,034, 9–26–61, Cl. 260—668.
Schulz, Ralph H., to Freeman Chemical Corp. Rupturable packages and components thereof. 2,985,287, 5–23–61, Cl. 206—46.
Schulz Tool and Mfg. Co.: *See*—
Mosher James K. 2,969,803.
Schulz, Wallace W.: *See*—
McKenzie, Theodore R., and Schulz. 2,982,785.
Schulz, Walter E. Driving tool. 2,966,683, 1–3–61, Cl. 1—106.
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Schulz, William E., to E. I. du Pont de Nemours and Co. Process for filling tubes. 2,976,757, 3–28–61, Cl. 86—20.
Schulz, Wolfgang O., to Allgemeine Holzimpragnierung Dr. Wolman G.m.b.H. Wood-preserving agent. 3,007,844, 11–7–61, Cl. 167—38.5.
Schulz-Du Bois, Erich O.: *See*—
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Noack, Rolf, and Schulze. 3,000,282.
Schulze, Heinz, to VEB Kamera- und Kinowerke Dresden. Photographic shutter. 3,005,394, 10–24–61, Cl. 95—63.
Schulze, Heinz, and S. P. Popeck, to General Aniline & Film Corp. Preparation and isolation of alkali metal and ammonium sulfonates of long chain carboxylic acids. 2,974,152, 3–7–61, Cl. 260—400.
Schulze, Howard L., to American Fixture, Inc. Knockdown display tables. 3,004,814, 10–17–61, Cl. 312—140.1.
Schulze, James L., to General Electric Co. Motor cooling arrangement for hermetically sealed refrigerant compressor unit. 2,967,410, 1–10–61, Cl. 62—505.
Schulze, Joachim, to VEB Buchungsmaschinenwerk Karl-Marx-Stadt. Arrangement for automatic transfer of balances to ledger cards in bookkeeping operations. 3,012,718, 12–12–61, Cl. 235—61.6.
Schulze, Joachim, and G. Laskowski, to VEB Elektronische Rechenmaschinen-Wissenschaftlicher Industriebetrieb-Karl-Marx-Stadt. Circuit arrangement for determining the polarity of pulses. 2,978,687, 4–4–61, Cl. 340—174.1.
Schulze, Joachim, and E. Hess, to VEB Buchungsmaschinenwerk Karl-Marx-Stadt. Electronic multiplying arrangements. 3,006,548, 10–31–61, Cl. 235—160.
Schulze, John H., and S. J. Bye, to State of Iowa for the use and benefit of the State University of Iowa. Expansible frame structure. 3,000,386, 9–19–61, Cl. 135—4.
Schulze, John J.: *See*—
Tregay, John L., and Schulze. 2,980,834.
Schulze, Karl L. Apparatus for control of aerobic decomposition. 3,010,801, 11–28–61, Cl. 23—259.1.
Schulze, Klaus-Jurgen: *See*—
Selle, Heinz, and Schulze. 2,987,936.
Schulze, Norman D.: *See*—
Lebert, Gerald A., and Schulze. 3,014,978.
Schulze, Robert E., E. J. Heartstedt, R. J. Jauch, and C. W. Kruckeberg, to Culligan, Inc. Directional valve for automatic water softeners or conditioners. 3,008,486, 11–14–61, Cl. 137—599.1.
Schulze, Robert E., E. J. Heartstedt, R. J. Jauch, and C. W. Kruckeberg, to Culligan, Inc. Automatic control valve for water softeners or conditioners. 3,006,376, 10–31–61, Cl. 137—630.19.
Schulze, Theodore J., to North American Aviation, Inc. Saturable magnetic multivibrator. 2,991,427, 7–4–61, Cl. 331—56.
Schulze-Röbbecke, Hans. Frame having carrying arms fastened to holding rails. 3,000,604, 9–19–61, Cl. 248—205.
Schum, Henry C. Auxiliary liquid fuel supply system for outboard motors and the like. 2,981,322, 4–25–61, Cl. 158—36.6.
Schumacher, John H. G.: *See*—
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Schumacher, Joseph C., and R. W. Baier, to American Potash & Chemical Corp. Production of high quality boron. 3,001,855, 9–26–61, Cl. 23—209.
Schumacher, Joseph N., to R. J. Reynolds Tobacco Co. Tobacco. 2,978,365, 4–4–61, Cl. 131—17.
Schumacher, Richard T.: *See*—
Grimm, Albert C., and Schumacher. 2,982,927.
Schumacher, Walter C.: *See*—
Benander, George B., and Schumacher. 2,991,344.
Schumacher, Walter C., to General Electric Co. Auto map light. 2,980,791, 4–18–61, Cl. 240—8.14.
Schumacher, Wilhelm W. B., to Ontario Research Foundation. Means and method for X-ray spectrometry. 2,991,362, 7–4–61, Cl. 250—51.5.
Schuman, Ralph H., to The Warner & Swasey Co. Electrically controlled hydraulic drive for machine tool. 2,984,136, 5–16–61, Cl. 82—21.
Schumann, Edward L.: *See*—
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Schumann, Lawrence R., to Star Brush Mfg. Co., Inc. Display and storage package for brushes. 3,004,661, 10–17–61, Cl. 206—78.
Schumert, Bernhard, to Kurt Korber & Co., K.G. Method and a machine for manufacturing filter tip cigarettes. 3,010,457, 11–28–61, Cl. 131—94.
Schumm, Erich. Closure for bags of synthetic material. 3,001,254, 9–26–61, Cl. 24—30.5.
Schumpelt, Karl, and A. Korbelak, to Sel-Rex Precious Metals, Inc. Printed circuit manufacture. 2,984,595, 5–16–61, Cl. 154—94.
Schunack, Johannes, to International Standard Electric Corp. Method of mechanically detecting a mark affixed to a document. 2,999,166, 9–5–61, Cl. 250—219.
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Schunemann, Carl F., to Thompson Ramo Wooldridge Inc. Switch actuator. 2,995,042, 8–8–61, Cl. 74—45.
Schunemann, Carl F., G. E. Jacques, and J. A. Wylie, to Thompson Ramo Wooldridge Inc. Wave guide switch and actuator therefor. 2,995,716, 8–8–61, Cl. 333—7.
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Schünemann, Heinz F.: *See*—
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Schur, Milton O., to Olin Mathieson Chemical Corp. Manufacture of laminated filter tip. 2,979,058, 4–11–61, Cl. 131—10.
Schur, Milton O., to Olin Mathieson Chemical Corp. Cigarette. 2,980,116, 4–18–61, Cl. 131—9.
Schur, Milton O., to Olin Mathieson Chemical Corp. Cigarette. 2,988,088, 6–13–61, Cl. 131—10.
Schur, Milton O., to Olin Mathieson Chemical Corp. Sized paper and process therefor. 3,006,806, 10–31–61, Cl. 162—158.
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Schurer, Friedrich. Container for taking and storing of biological fluids. 2,999,500, 9–12–61 Cl. 128—276.
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Schurger, Garner H., C. Maastricht, and E. F. Woytych, to Giddings & Lewis Machine Tool Co. Machine tool. 2,984,159, 5–16–61, Cl. 90—14.
Schurich, Herbert, to Karl Steinhof, Apparatefabrik. Thread tensioner. 2,981,497, 4–25–61, Cl. 242—149.
Schuricht, Henry A., H. F. Lake, and L. H. Smith, ½ to Whizzer Industries, Inc., and ½ to Leading Engineering and Mfg. Co. Device for storing, treating and transferring parts. 2,980,121, 4–18–61, Cl. 134—83.
Schurmann, Max-Otto, and A. Einsel, to Farbenfabriken Bayer Aktiengesellschaft. Method of and apparatus for cutting staple lengths of cables of artificial threads. 2,974,554, 3–14–61, Cl. 83—22.
Schurr, Charles A., to Square D Co. Voltage surge suppressor. 2,991,396, 7–4–61, Cl. 317—11.
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Schurr, Rudolph K., and R. L. Inman, to Airboats, Inc. Mounting bracket for supporting air motors. 2,987,281, 6–6–61, Cl. 248—4.
Schustack, Edward H. Pipe coupling having gasket expanding means. 2,983,527, 5–9–61, Cl. 285—96.
Schustack, Edward H. Coupling with gasket compressed by means exerting pressure parallel to axis. 3,002,772, 10–3–61, Cl. 285—342.
Schuster, Curt: *See*—
Markgraf, Otto, Schuster, Herrle, Boehm, and Schaefer. 2,969,271.
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Berning, Alfred, and Schuster. 2,977,060.
Schuster, Nick A., to Schlumberger Well Surveying Corp. Magnetic resonance methods and apparatus. 2,968,762, 1–17–61, Cl. 324—.5.
Schuster, Roman. Grinding blocks. 2,999,742, 9–12–61, Cl. 51—293.

Schuster, Wilhelm: *See*—
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Schuster, Wilhelm F. Process and apparatus for drying colloidal substances such as lignite. 3,007,254, 11–7–61, Cl. 34—13.

Schuster, William D., to Sylvania Electric Products Inc. Deflection circuitry. 3,007,079, 10–31–61, Cl. 315—29.

Schutmaat, Wayne H., to Penn Controls, Inc. Pressure regulator. 2,973,007, 2–28–61, Cl. 137—505.41.

Schütt, Hartwig, to Henkel & Cie, G.m.b.H. Process for the production of heterocyclic carboxylic acids. 2,986,566, 5–30–61, Cl. 260—326.3.

Schutt, Hermann C. Return bend. 2,985,017, 5–23–61, Cl. 73—343.

Schutte, Alfred H.: *See*—
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Schutte, August H., to The Lummus Co. Process for the simultaneous desulfurization and coking of a residual petroleum fraction. 2,968,611, 1–17–61, Cl. 208—126.

Schütte, Jandirk, to Firma Temmler-Werke. Anorexigenic propiophenones. 3,001,910, 9–26–61, Cl. 167—55.

Schutte, Myles G. and N. L. Underreamer. 3,010,527, 11–28–61, Cl. 175—286.

Schutte, Myles H. Underreamer. 3,004,615, 10–17–61, Cl. 175—286.

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Schutte, Myles G. and N. L. 3,010,527.

Schütz, Eric: *See*—
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Schutz, Joseph M., to The Firestone Tire & Rubber Co. Tire construction. 2,979,111, 4–11–61, Cl. 154—14.

Schütz, Karl H., to Jos. Schneider & Co., Optische Werke. Diaphragm preselector for photographic objectives. 2,981,169, 4–25–61, Cl. 95—64.

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Schütze, Georg, H. Barthelmess, and A. Hehl, to Alweg-Forschung Gesellschaft mit beschrankter Haftung. Mold assemblies. 2,968,082, 1–17–61, Cl. 25—121.

Schütze, Georg, and H. Barthelmess, to Alweg Forschung G.m.b.H. Apparatus for inverting long and heavy structural parts. 3,011,657, 12–5–61, Cl. 214—1.

Schutze, Henry G.: *See*—
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Schutze, Henry G., and W. H. Bonner, Jr., to Esso Research and Engineering Co. Process for carboxylation of isoolefin-diolefin copolymers. 3,005,807, 10–24–61, Cl. 260—85.3.

Schütze, Siegfried, and H. Stühmke, to VEB Kamera- und Kinowerke Dresden. Sound scanning device for perforated sound carriers having magnetic sound tracks. 3,004,110, 10–10–61, Cl. 179—100.2.

Schuur, Jurrien J.: *See*—
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Schuyler, Robert J. Garbage emulsifier and disposal. 2,991,947, 7–11–61, Cl. 241—41.

Schwaar, Pierre G., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Air compressor with axial and radial-flow stages. 2,974,857, 3–14–61, Cl. 230—119.

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Schwab, Max, Palloch, and Kurz. 2,970,557.

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Schwab, Edward J. Soil leveling mulcher. 2,971,588, 2–14–61, Cl. 172—146.

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Schwab, Hans, to Karl Kassbohrer Fahrzeugwerke GmbH. Loading system for trailers and like vehicles on platforms. 2,967,061, 1–3–61, Cl. 280—43.15.

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Schwab, Max, deceased, by B. Schwab, heir, H. Palloch, and R. Kurz, said Palloch and Kurz assors. to B. Schwab. Control device for the operation of sewing machines. 2,970,557, 2–7–61, Cl. 112—215.

Schwab, Max, deceased; O. B. Schwab, nee Bonner, sole devisee. Drive and stop apparatus for sewing machines. 2,999,575, 9–12–61, Cl. 192—146.

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Schwab, Walter H. Jalousies and weather sealing means therefor. 2,981,987, 5–2–61, Cl. 20—62.

Schwabe, Eberhard, to Steatite Research Corp. Process and apparatus for filling and orienting dry, hard ferromagnetic powders into molds. 2,984,866, 5–23–61, Cl. 18—5.

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Hlobil, Frank, and Schwabe. 3,000,024.

Schwabe, Herman, Inc.: *See*—
Hlobil, Frank, and Schwabe. 3,000,024.

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Schwalbe, Julian H., to Sperry Rand Corp. Automatic range tracking system. 3,013,260, 12–12–61, Cl. 343—7.3.

Schwalbe, Julian H., and H. E. Meyer, Jr., to Sperry Rand Corp. Muzzle velocity measuring system. 3,013,207, 12–12–61, Cl. 324—68.

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Schwalm, Glendon H., and E. W. Wagner, to AMP Inc. Wire stripping apparatus. 3,002,408, 10–3–61, Cl. 81—9.51.

Schwan, Herbert A. Sound reproducing apparatus. 2,990,185, 6–27–61, Cl. 274—13.

Schwander, Hans R., J. Jung, and P. Hindermann, to J. R. Geigy, A.-G. Monoazo dyestuffs. 2,975,167, 3–14–61, Cl. 260—199.

Schwaneke, Fred C., to Dormeyer Corp. Ejector beater. 2,980,405, 4–18–61, Cl. 259—1.

Schwaneke, Fred C., to Webcor, Inc. Cooking utensil. 3,010,006, 11–21–61, Cl. 219—44.

Schwaninger, Otto, to Alfred J. Amsler & Co. Program control of hydraulically operated endurance testing machines. 3,009,354, 11–21–61, Cl. 73—90.

Schwanz, Donald E., and V. L. Sturman, to Hiawatha Metalcraft, Inc. Push-released door latch. 2,980,459, 4–18–61, Cl. 292—122.

Schwanz, Donald E., and V. L. Sturman, to Hiawatha Metalcraft Inc. Door latch. 2,992,846, 7–18–61, Cl. 292—127.

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Schwarcz, Morton, to Roberts Development Corp. Red squill tracking powders. 3,002,885, 10–3–61, Cl. 167—46.

Schwarm, Edward G., to General Precision Inc. System of ground coordinate determination in a flight trainer. 3,003,252, 10–10–61, Cl. 35—12.

Schwartz, Alvin S. Dispensing device. 2,983,408, 5–9–61, Cl. 222—284.

Schwartz, Bennett M. Automatic fish feeder. 2,978,148, 4–4–61, Cl. 222—197.

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Schwartz, Daniel M., T. N. Hackett, and F. Weber, to The Eimco Corp. Vehicle track frame construction. 2,991,132, 7–4–61, Cl. 305—60.

Schwartz, Donald, P. E. Eberly, Jr., and E. M. Gladrow, to Esso Research and Engineering Co. Isomerization of paraffin hydrocarbons. 2,985,699, 5–23–61, Cl. 260—683.75.

Schwartz, Edwin L.: *See*—
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Schwartz, Elmer R. Truck bed hold-down latch apparatus. 2,998,890, 9–5–61, Cl. 214—505.

Schwartz, Everett R., and C. F. Feltham, Jr., to United States of America, Navy. Pulse separator and gate generator. 2,972,143, 2–14–61, Cl. 343—13.

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Schwartz, Grace. Accoutrement for choreography. 3,013,797, 12–19–61, Cl. 272—21.

Schwartz, Hans, to Agfa Aktiengesellschaft. Photographic camera. 2,969,722, 1–31–61, Cl. 95—31.

Schwartz, Harold A., to Patchogue-Plymouth Corp. Backings for tufted fabrics. 2,999,297, 9–12–61, Cl. 28—80.

Schwartz, Hyman. Process and product for removing and inhibiting corrosion. 2,990,374, 6–27–61, Cl. 252—136.

Schwartz, Ira: *See*—
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Schwartz, James W., to Radio Corp. of America. Luminous display panel. 2,967,965, 1–10–61, Cl. 313—108.

Schwartz, John M., and G. F. Ziegler, to Bausch & Lomb Inc. Variable magnification afocal optical system. 2,984,155, 5–16–61, Cl. 88—57.

Schwartz, Joseph, to Olin Mathieson Chemical Corp. Preparation of phenothiazines. 2,997,468, 8–22–61, Cl. 260—243.
Schwartz, Martin W., to Markstone Mfg. Co. Recessed lighting fixture. 2,997,575, 8–22–61, Cl. 240—78.
Schwartz, Nathan, and F. G. Keihn, to General Electric Co. High temperature resistor. 2,967,282, 1–3–61, Cl. 338—258.
Schwartz, Nathan R., to Naras Research Inc. Lighting fixture support plate. 2,966,998, 1–3–61, Cl. 220—3.8.
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Schwartz, Newton, to Bell Telephone Laboratories, Inc. Fabrication of electrolytic capacitor. 2,981,647, 4–25–61, Cl. 148—6.14.
Schwartz, Robert A. D., and S. W. Lindheim. Perforated panel construction. 2,996,138, 8–15–61, Cl. 181—33.
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Schwartz, Samuel H., to The Dole Valve Co. Vacuum control valve. 3,009,482, 11–21–61, Cl. 137—625.25.
Schwartz, Samuel M. Diaper rash preventative. 3,004,895, 10–17–61, Cl. 167—84.
Schwartz, Samuel M., and D. Gross. Static cleaning and dust and particle removal. 2,980,933, 4–25–61, Cl. 15—1.5.
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Schwarz, Johann. Back supporting attachment for seat backs. 2,991,124, 7–4–61, Cl. 297—284.
Schwarz, Ottmar, to Durrwerke Aktiengesellschaft. Device for starting-up once-through boilers. 2,989,038 6–20–61, Cl. 122—406.
Schwarzaugl, Josef, to A. W. Faber-Castell. Ball point pens. 3,000,353, 9–19–61, Cl. 120—42.4.
Schwarzaugl, Josef, to A. W. Faber-Castell. Ball-point pen. 3,004,521, 10–17–61, Cl. 120—42.4.
Schwarzbaur, Julius. Magnetic control means for piano dampers. 2,976,756, 3–28–61, Cl. 84—216.
Schwarzbeck, John G., and H. O. Fuchs. Stress equalized coil spring. 2,998,242, 8–29–61, Cl. 267—61.
Schwarze, Werner, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of thiophosphoric esters of symmetrical triazines. 2,980,675, 4–18–61, Cl. 260—248.
Schwarze, Werner, to Deutsche Gold- und Silber Scheideanstalt vormals Roessler. Process for the production of triazine thiocyanates. 2,996,505, 8–15–61, Cl. 260—249.8.
Schwarzenbek, Eugene F., to The M. W. Kellogg Co. Hydrocarbon conversion catalyst. 2,989,489, 6–20–61, Cl. 252—466.
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Schwarzer, Carl G., and P. H. Williams, to Shell Oil Co. Polyepoxy ethers of epoxy-substituted polyhydric phenols and cured products obtained therefrom. 3,014,892, 12–26–61, Cl. 260—47.
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Brown, Northrop, Funck, and Schweitzer. 3,000,861.
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Schweitzer, Otto, and W. Querfurth, to Deutsche Gold- und Silber Scheideanstalt vormals Roessler. Process for the production of formaldehyde polymers. 2,985,623, 5–23–61, Cl. 260—67.
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Pacsu, Eugene, and Schwenker. 2,990,233.
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Schwyzer, Robert, and B. Riniker, to Ciba Pharmaceutical Products Inc. Polypeptides. 3,014,023, 12–19–61, Cl. 260—112.

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Scott, Benjamin F., to Nuclear-Chicago Corp. Method and apparatus for radiometric analysis. 2,987,623, 6–6–61, Cl. 250—83.6.

Scott, Carleton B., to Collier Carbon and Chemical Corp. Pest control. 2,998,346, 8–29–61, Cl. 167—22.

Scott, Carleton B., and W. L. Wasley, to Union Oil Co. of California. Lubricating oil additives and lubricating oil compositions. 3,003,958, 10–10–61, Cl. 252—32.7.

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Scott, Charles H., to Dorr-Oliver Inc. Coupling device for tubular members having internal wedge means. 2,997,317, 8–22–61, Cl. 285—397.

Scott, Charles H., to Dorr-Oliver Inc. Rake driving mechanism for sedimentation tanks. 3,002,400, 10–3–61, Cl. 74—665.

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Scott, Leslie E., to General Motors Corp. Stabilized transistor oscillator circuit. 2,996,614, 8-15-61, Cl. 250—20.

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Scott, Robert E., to Gagnier Fibre Products Co. Self-sealing snap fastener. 2,981,991, 5-2-61, Cl. 24—73.

Scott, Robert J., W. A. Chappell, J. L. Grant, and W. J. Landry, to J. C. Hockery, trustee for H. J. and F. L. Talge. Power operated can opener with variable automatic shut-off. 2,995,817, 8-15-61, Cl. 30—4.

Scott, Robert J., and R. E. McLean, to J. C. Hockery, trustee for H. J. and F. L. Talge. Power operated can opener with automatic shut-off. 2,995,818, 8-15-61, Cl. 30—4.

Scott, Thomas R., N. G. Bromby, and C. Allday, to Imperial Chemical Industries Ltd. Prevention of caking of common salt. 2,990,246, 6-27-61, Cl. 23—89.

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Felker, Maurice H. 3,004,413.
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Scoville, Ray R. Case for electronic modular units. 3,002,044, 9-26-61, Cl. 174—50.

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Screeton, Bertram E., J. F. Sherriff, and G. C. Rogers, to The Bradford Dyers' Association Ltd. Process and apparatus for the compressive shrinking of fabrics. 3,002,251, 10-3-61, Cl. 26—18.6.

Screnock, Joseph J., and F. C. Brenner, to American Viscose Corp. Cellulosic material. 3,012,844, 12-12-61, Cl. 8—116.

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Scribner, Albert W. Meat rolling. 3,013,451, 12-19-61, Cl. 80—18.

Scribner, Kenneth R., and M. C. Sabath, to Eastman Kodak Co. Apparatus for vaporization of liquids. 2,980,103, 4-18-61, Cl. 126—263.

Scribner, Richard M., to E. I. du Pont de Nemours and Co. Process for preparing hydrates of aliphatic fluorooxocarbonyl compounds. 2,980,738, 4-18-61, Cl. 260—633.

Scripto, Inc.: *See*—
Lockwood, John C. 2,986,026.
Lockwood, John C. 2,986,027.
Lockwood, John C. 3,007,444.
Platt, Lewis F. 2,988,055.

Scruton, Herbert A.: *See*—
Pfanstiel, Robert, Pralatowski, and Scruton. 2,968,658.

Scudder, John D.: *See*—
Giuliani, Raymond E., and Scudder. 3,006,758.
Scudere, Anthony J.: *See*—
Huston, Clyde E., Jr. 3,010,250.
Scuitto, Thomas J.: *See*—
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Rosenberg, Jack, McCoy, Scuitto, and Burt. 2,998,190.
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Sanz, Manuel C., and Scully. 2,990,351.
Scully, Charles N., and J. Castelfranco, to North American Aviation, Inc. Air vehicle surface cooling means. 3,014,353. 12–26–61, Cl. 62—467.
Scully, Frank P., to Scully Signal Co. Box assembly for use with a storage tank. 3,008,603, 11–14–61, Cl. 220—86.
Scully-Jones and Co.: *See*—
Better, Bernard R. 2,970,844.
Better, Bernard R. 2,972,486.
Better, Bernard R. 2,978,082.
Better, Bernard R. 2,981,544.
Better, Bernard R., and Kosinski. 2,990,188.
Scully, Robert L., to Balloon Tire Mould Co., Inc. Tire tread applying machine. 3,006,803, 10–31–61, Cl. 156—407.
Scully Signal Co.: *See*—
Rowell, William G. 2,973,880.
Scully, Frank P. 3,008,603.
Scurlock, Arch C., to Atlantic Research Corp. Propellant grains. 3,014,427. 12–26–61, Cl. 102—98.
Scurlock, Donald K., to Wedgelock Corp. Pipe clamp. 3,002,241, 10–3–61, Cl. 24—81.
Scuro, Samuel J., to Westinghouse Electric Corp. Method of bonding contact members to thermoelectric material bodies. 3,000,092. 9–19–61, Cl. 29—472.9.
Scusa, Lino, deceased, by L. Scusa, executrix, to Phoenix Gage Co. Toilet paper winding apparatus. 2,992,786, 7–18–61. Cl. 242—64.
Scusa, Luigia: *See*—
Scusa, Lino. 2,992,786.
Sdruzeni podniku textiliniko strojirenstvi: *See*—
Zahradnik, Stanislav. 2,998,029.
Seaberg, Ernest E. Valve for dry powder fire extinguishers. 3,010,520. 11–28–61, Cl. 169—31.
Seaberg, Ernest E., to Safety First Products Corp. Cantilever sprinkler head for dry powder. 3,010,521, 11–28–61, Cl. 169—40.
Seaborg, Glenn T., to United States of America, Atomic Energy Commission. Extraction of hexavalent plutonium from aqueous acidic solutions with ethyl sulfide. 2,990,242, 6–27–61, Cl. 23—14.5.
Seaborg, Glenn T., to United States of America, Atomic Energy Commission. Extraction of tetravalent plutonium values with methyl ethyl ketone, methyl isobutyl ketone acetophenone or menthone. 2,995,588. 8–8–61, Cl. 260—429.1.
Seaborg, Glenn T., to United States of America, Atomic Energy Commission. Extraction of tetravalent plutonium values from aqueous acid solutions by 2(β-ethylbutoxy) ethanol. 2,996,526. 8–15–61, Cl. 260—429.1.
Seaborg, Glenn T., to United States of America, Atomic Energy Commission. Compounds and composition containing plutonium. 3,000,695. 9–19–61. Cl. 23—14.5.
Seaborg, Glenn T., to United States of America, Atomic Energy Commission. Method of separating neptunium from plutonium in aqueous inorganic solution. 3,005,680, 10–24–61, Cl. 23—14.5.
Seaborg, Glenn T., and H. S. Brown, to United States of America, Atomic Energy Commission. Preparation of neptunium hexafluoride. 2,982,604, 5–2—61, Cl. 23—14.5.
Seaborn, Paul E., to FMC Corp. Apparatus for sorting articles. 3,009,572. 11–21–61, Cl. 209—121.
Seaborne, Thomas L. Liquid flow indicator. 3,007,436, 11–7–61 Cl. 116—117.
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Tateishi, Arthur K., and Stafford. 2,983,795.
Seabright, Clarence A., to The Harshaw Chemical Co. Yellow ceramic pigments. 2,992,123, 7–11–61, Cl. 106—299.
Seabright, Clarence A., to The Harshaw Chemical Co. Iron-silica ceramic stain. 3,005,724, 10–24–61, Cl. 106—304.
Seabright, Clarence A., to The Harshaw Chemical Co. Yellow pigments. 3,012,898, 12–12–61, Cl. 106—299.
Sead, Charles D., and R. W. Peters, to Eastman Kodak Co. Preparation of webs and sheets from cellulose esters. 2,976,205. 3–21–61, Cl. 162—157.
Seagreaves, George F., to General Motors Corp. Motor switch, contact shielding. 3,015,011. 12–26–61, Cl. 200—166.
Seal, John K. R., and P. A. Johnson, to Shell Oil Co. Screw press and method of treating material. 2,994,105. 8–1–61, Cl. 18—12.
Seal-A-Bag Automatic Co.: *See*—
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Sea-Land Service, Inc.: *See*—
Tantlinger, Keith W. 2,991,108.
Seale, Virgil L.: *See*—
Kirkpatrick, Willard H., Seale, and Law. 2,971,965.
Kirkpatrick, Willard H., Seale, and Walker. 3,004,924.
Kirkpatrick, Willard H., Seale, Walker, and Love. 2,987,490.
Walker, Alice, Seale, and Kirkpatrick. 2,971,923.
Sealed Unit Parts Co. Inc.: *See*—
Ehrens, Henry. 2,984,272.
Sealey, William C., to Allis-Chalmers Mfg. Co. Control panel system. 3,007,108. 10–31–61, Cl. 324—28.
Seal-Less Strapping Ltd.: *See*—
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Sealol Corp.: *See*—
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Sealpak Corp.: *See*—
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Seal-Spout Corp.: *See*—
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Seals, Robert R. Split rope socket. 2,991,525, 7–11–61, Cl. 24—124.
Sea Maid, Inc.: *See*—
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Seaman-Andwall Corp.: *See*—
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MacDonald, Raymore D. 2,978,967.
Seaman, Harry J. Pneumatic road roller. 2,987,975, 6–13–61, Cl. 94—50.
Seaman, Thomas R.: *See*—
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Taylor, Merritt A. 3,006,873.
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Searight, Charles E., to Cataphote Corp. Reflex reflective coating composition. 2,997,403, 8–22–61, Cl. 106—193.
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Atwater, Norman W. 2,973,370.
Atwater, Norman W. 2,974,151.
Baran, John S. 2,975,173.
Baran, John S. 2,976,284.
Baran, John S. 3,013,028.
Benn, Walter R. 3,009,926.
Bible, Roy H., Jr. 2,971,008.
Bible, Roy H., Jr. 2,975,176.
Bible, Roy H., Jr. 3,012,029.
Burtner, Robert R. 2,971,009.
Burtner, Robert R., and Nysted. 3,001,986.
Cardenas, Luis E. M. 3,013,010.
Cella, John A., and Tweit. 3,013,012.
Colton, Frank B. 2,980,711.
Colton, Frank B., and Atwater. 3,012,045.
Colton, Frank B., and Laos. 2,999,092.
Colton, Frank B., and Lednicer. 3,006,929.
Counsell, Raymond E. 3,007,947.
Counsell, Raymond E. 3,013,008.
Counsell, Raymond E. 3,014,935.
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Cusic, John W. 2,969,358.
Cusic, John W. 3,000,885.
Dodson, Raymond M., and Sollman. 2,999,101.
Dodson, Raymond M., and Sollman. 3,014,076.
Dodson, Raymond M., and Tweit. 2,967,188.
Hoehn, Willard M. 3,002,007.
Hoehn, Willard M. 3,014,957.
Johns, William F. 2,972,623.
Johns, William F. 3,005,835.
Kalm, Max J., and Rorig. 2,984,668.
Krimmel, Carl P. 2,969,369.
Krimmel, Carl P. 2,999,860.
Marshall, Charles W. 3,013,009.
Mihina, Joseph S. 2,984,675.
Mihina, Joseph S. 2,984,676.
Mihina, Joseph S. 2,992,241.
Miramontes, Luis E. 3,004,967.
Miramontes, Luis E., Romero, and Farjat. 3,000,914.
Nysted, Leonard N. 3,001,988.
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Robinson, Richard A. 2,980,686.
Robinson, Richard A. 3,014,039.
Rorig, Kurt J. 2,973,385.
Rorig, Kurt J. 3,014,037.
Tweit, Robert C. 2,969,362.
Tweit, Robert C. 3,004,023.
Tyner, David A. 3,002,008.
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Sears, George W., Jr., and W. D. Smutz, to E. I. du Pont de Nemours and Co. Process for preparing basic aluminum salts of aliphatic carboxylic acids. 2,992,262, 7–11–61, Cl. 260—448.

Sears, Isaac W., Jr., and V. H. Nelson. Umbrella structure. 2,984,249, 5–16–61, Cl. 135—21.

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Sears, Richard E., and W. H. Morris, to Beaver Precision Products, Inc. Means for preloading ball-type screw and nut assemblies. 2,978,920, 4–11–61, Cl. 74—441.

Sears, Roebuck and Co.: *See*—
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Sears, Sam E. Combined pool cover and sun screen. 3,009,166, 11–21–61, Cl. 4—172.

Seaton, Stuart L., to Research Corp. Bandwidth modulation information transfer system. 2,972,046, 2–14–61, Cl. 250—6.

Seats, Peter, to Thomas Electronics, Inc. Evaporated phosphor screen. 2,980,550, 4–18–61, Cl. 117—33.5.

Seavey, Frederick R., to Olin Mathieson Chemical Corp. Blasting caps. 2,968,985, 1–24–61, Cl. 86—1.

Seavey, Frederick R., and G. J. Schlueter, to Olin Mathieson Chemical Corp. Explosive initiators. 2,987,951, 6–13–61, Cl. 86—1.

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McEvoy, Alfred P., and Seay. 2,983,002.

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Sebardt, Wilhelm. Pipe coupling having a sealing nut with a frangible section. 3,004,776, 10–17–61, Cl. 285—3.

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Sebastian, Robert W., to American Gage & Machine Co. Electronic flash unit. 3,007,081, 10–31–61, Cl. 315—205.

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Eames, James O. 3,007,555.
Eames, James O. 3,007,556.
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Eaton, Wilfred A. 2,986,240.
Sanford, Roy S. 2,986,239.

Sederquist, Hazel E. Sanitary disposal bag assembly. 2,991,031, 7–4–61, Cl. 248—99.

Sedgfield, Hugh B., W. R. Bohnel, A. P. Glenny, and F. A. Summerlin, to The Sperry Gyroscope Co. Ltd. Control systems for aircraft. 2,991,028, 7–4–61, Cl. 244—76.

Sedgley, Gertrude E. Endless conveyor belt. 2,977,266, 3–28–61, Cl. 154—52.1.

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Sedlacsik, John, Jr., to Interplanetary Research & Development Corp. Electrostatic deposition. 3,001,890, 9–26–61, Cl. 117—93.

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Sedlin, Elias D., to United States of America, Army. Appliance for facilitated X-ray examinations of ankle injuries. 2,969,061, 1–24–61, Cl. 128—84.

See, Harold P., to The Chronicle Publishing Co. Automatic broadcast programming system. 2,969,427, 1–24–61, Cl. 178—5.8.

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Celler, Frederic A. 2,990,228.
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Seefluth, Charles L., to Phillips Petroleum Co. Separation for flare systems. 2,999,560, 9–12–61, Cl. 183—2.5.

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Seegelken, Hermann, A. K., deceased, by A. I. Seegelken, executor, to Maschinen-Fabrik Augsburg-Nurnberg, A.G. Fuel injection for internal combustion engines. 2,982,270, 5–2–61, Cl. 123—32.

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Seegrist, Theodore A. Laundry aids. 2,979,373, 4–11–61, Cl. 8—77.

Seegrist, Theodore A. Primer for internal combustion engine. 2,985,161, 5–23–61, Cl. 123—180.

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Seehof, Jerrold M., M. S. Armstrong, and S. B. Smithberg, to The National Cash Register Co. Thin-film window device. 2,990,493, 6–27–61, Cl. 313—74.

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Seelenbinder, Robert F., to International Steel Wool Corp. Pressing pads. 2,981,016, 4–25–61, Cl. 38—66.

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Seeler, Henry W., to United States of America, Air Force. Mask-harness tension compensating device. 2,970,593, 2–7–61, Cl. 128—142.

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Seeley, Sherwood B., to The Joseph Dixon Crucible Co. Stopper rod assemblies. 2,987,787, 6–13–61, Cl. 22—85.

Seeley, Sherwood B., to The Joseph Dixon Crucible Co. Stopper rod assemblies. 2,988,791, 6–20–61, Cl. 22—85.

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Seelig, Richard P., and R. L. Wachtell, to Chromalloy Corp. Method of making an abradant element for spark generating device. 3,010,856, 11–28–61, Cl. 148—6.

Seeloff, Melvin M., to The Taylor Winfield Corp. Multiple piston elliptical fluid cylinder. 2,983,256, 5–9–61, Cl. 121—38.

Seeloff, Melvin M., to The Taylor-Winfield Corp. Device for transferring currents to rotary apparatus. 2,983,891, 5–9–61, Cl. 339—5.

Seeloff, Melvin M., and D. M. Campbell, to The Taylor-Winfield Corp. Fluid drive means for indexing apparatus and the like. 2,980,074, 4–18–61, Cl. 121—48.

Seeloff, Melvin M., and H. H. Hansen, to The Taylor-Winfield Corp. Hot upsetting method. 2,983,809, 5–9–61, Cl. 219—151.

Seely, Dwight H., Jr., to Sohio Petroleum Co. Seal structure for underground liquid storage facility. 2,981,070, 4–25–61, Cl. 61—.5.

Seely, Richard E., to General Electric Co. Circuit for measuring the temperature or resistance change of energized alternating current apparatus. Re. 24,977, 5–2–61, Cl. 324—62.

Seely, Richard E., to General Electric Co. Fluid fuel burner assembly. 2,974,856, 3–14–61, Cl. 230—117.

Seem, Warren A., and N. J. Stoddard, to Textile Licensing Co. Yarns and fabrics made therefrom. 2,966,775, 1–3–61, Cl. 57—140.

Seem, Warren A., and N. J. Stoddard, to Textile Licensing Co. Methods of producing torque yarns. 3,009,312, 11–21–61, Cl. 57—157.

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Seemann, Hugo J., and H. W. Staats, to W. C. Heraeus, G.m.b.H. Vacuum induction furnace. 2,972,652, 2–21–61, Cl. 13–27

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Seemuller, John R., to Societe Monsavon-L'Oreal. Dyeing of animal fibres. 2,983,651, 5–9–61, Cl. 167—88.

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Seeton, Frank A., to Cog Minerals Corp. Treatment of uranium ore of the shinarump type. 2,968,524, 1–17–61, Cl. 23—14.5.

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Segal, Leon, L. Loeb, K. H. Takemura, and F. J. Phillips, to United States of America, Agriculture. Textile fibers comprising perfluoronalkanoyl esters of cellulose and process of making the same. 2,980,491, 4–18–61, Cl. 8—120.

Segal, Samuel. Sleeve key ring. 2,989,862, 6–27–61, Cl. 70—459.

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Graham, James M., and Segall. 2,989,660.

Segall, Louis H., to The Bendix Corp. Electrical discharge control system. 2,978,611, 4–4–61, Cl. 315—180.

Segall, Louis H., to The Bendix Corp. Electrical apparatus. 3,014,151, 12–19–61 Cl. 313—130.

Segaser, Charles L.: *See*—
Hannaford, Bruce A., Rosenberg, Segaser, and Terry. 2,968,183.

Segelhorst, August V., to Bowen Itco, Inc. Hydraulic pulling tool. 2,973,038, 2–28–61, Cl. 166—98.

Seger, Charles C., to United Aircraft Corp. High temperature pneumatic actuator. 3,014,493, 12–26–61, Cl. 137—489.

Seger, Francis M.: *See*—
Munns, George W., Jr., Otto, and Seger. 3,014,868.

Seger, Gaylord E., Jr., to Massillon Container Co. Polygonal carton. 2,967,655, 1–10–61, Cl. 229—37.

Segers, John P.: *See*—
Rhodes, Joseph C., Segers, and Lacko. 2,974,519.

Seghezzi, Hans. High-stretch knitted fabric. 2,979,928, 4–18–61, Cl. 60—196.

Segil, L. J., Co. (Inc.): *See*—
Smith, Gean, and Tuten. 2,971,617.

Seglem, Clifford E., to Westinghouse Electric Corp. Flow control apparatus. 2,997,283, 8–22–61, Cl. 261—115.

Segre, Augusto, and R. Viterbo, to Instituto Sieroterapico Italiano S.p.A. Production of the 1→6-lactone of 6-hydroxy-8 acetoxy-octanoic acid. 2,993,056, 7–18–61, Cl. 260—343.

Segre, Diego, to United States of America, Health, Education and Welfare. Serologic test. 2,999,792, 9–12–61, Cl. 167—84.5.

Segre, Valfredo. Window. 3,010,164, 11–28–61, Cl. 20—52.2.

Segretto, Angelo, ½ to J. E. Furtado. Simulated pitching mechanism for baseball batting practice. 3,011,784, 12–5–61, Cl. 273—26.

Seher, Henry W.: *See*—
Piesser, Edgar W., and Seher. 2,967,979.

Sehn, Francis J., and M. M. Clemons: said M. M. Clemons assor. to said F. J. Sehn. Sheet material handling apparatus for use with a power shear or the like. 2,979,186, 4–11–61, Cl. 198—160.

Sehn, Francis J., and M. M. Clemons; said Clemons assor. to said Sehn. Feeder for delivering stock to a machine. 3,002,749, 10–3–61, Cl. 271—54.

Seiberling Rubber Co.: *See*—
Borroff, John D., and Reynolds. 2,985,919.
Borroff, John D., and Reynolds. 2,985,920.
Borroff, John D., and Reynolds. 2,986,972.
Seiberling, Theophilus K. 2,983,643.

Seiberling, Theophilus K., to Seiberling Rubber Co. Rubber lamina, with surface adapted to be adhered to another surface by adhesive. 2,983,643, 5–9–61, Cl. 154—139.

Seibert, Charles A., Jr.: *See*—
Prosser, Robert M., and Seibert. 2,999,106.

Seidel, Charles E.: *See*—
Wolf, Cecil R., Holland, and Seidel. 2,991,496.

Seidel, Harold: *See*—
Fletcher, Robert C., Scovil, and Seidel. 3,001,141.

Seidel, Harold, to Bell Telephone Laboratories, Inc. Solid state maser. 2,976,492, 3–21–61, Cl. 330—4.

Seidel, Harold, to Bell Telephone Laboratories, Inc. Microwave isolator. 3,010,084, 11–21–61, Cl. 333—24.

Seidel, Harold, to Bell Telephone Laboratories, Inc. Isolators in lumped constant systems. 3,010,085, 11–21–61, Cl. 333—24.

Seidel, Harold, to Bell Telephone Laboratories, Inc. Microwave isolator. 3,010,086, 11–21–61, Cl. 333—24.

Seidel, Harold, and J. A. Weiss, to Bell Telephone Laboratories, Inc. Magnetically controlled wave guide switch. 2,989,709, 6–20–61, Cl. 333—98.

Seidel, Richard S.: *See*—
Czerwin, Edward P., and Seidel. 2,976,173.

Seidel, William B., and F. W. Egbert, to The Cincinnati Milling Machine Co. Machine tool loading mechanism. 3,009,295, 11–21–61, Cl. 51—103.

Seidel, William C.: *See*—
Mitchell, William A., and Seidel. 2,968,565.

Seiden, Frank: *See*—
Oppenheimer, Ernest, and Seiden. 2,987,050.

Seiden, Herman L., to Lectromatic Devices, Inc. Clutch-brake mechanism. 3,004,646, 10–17–61, Cl. 192—17.

Seidenberg, Margaret M. Bed clothing cover. 3,008,152, 11–14–61, Cl. 5—335.

Seidl, Alois: *See*—
Loebich, Otto, and Seidl. 2,978,363.

Seidl, Alois, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the surface treatment of metals. 2,978,361, 4–4–61, Cl. 117—127.

Seidman, Herbert A., to General Precision Inc. Four phase clock. 3,004,174, 10–10–61, Cl. 307—88.5.

Seidner, Mihály, to Komplex Nagyberendezések Export-Import Vállalat. Oil-cooled stators for turbo-alternators. 2,975,309, 3–14–61, Cl. 310—54.

Seifert, Alfred O.: *See*—
Lawrence, Parker V., and Seifert. 2,974,718.

Seifert, Clarcio J.: *See*—
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Seifert, Hans, to Farbenfabriken Bayer Aktiengesellschaft. Process for the chloromethylation of aromatic vinyl polymers. 3,008,927, 11–14–61, Cl. 260—73.

Seifert, Vernon. Exhaust muffler for engines. 2,995,200, 8–8–61, Cl. 181—46.

Seiferth, Oscar E., and G. M. Austin, to Oscar Mayer & Co., Inc. Apparatus for forming a package. 3,009,302, 11–21–61, Cl. 53—221.

Seifried, Paul E., and F. W. Meyer, Jr., to The Bendix Corp. Electrical fault warning device. 2,979,707, 4–11–61, Cl. 340—253.

Seifried, Walter, and W. Ott, to Kalle Aktiengesellschaft. Extrusion die device. 3,000,054, 9–19–61 Cl. 18—12.

Seifter, Eli, and N. Phillips, to Monsanto Chemical Co. Process for solubilizing iron in the soil utilizing 1-nitroso naphthalene sulfonates. 2,996,371, 8–15–61, Cl. 71—27.

Seifter, Joseph, and D. H. Baeder, to American Home Products Corp. Lipid-mobilizing composition. 3,002,888, 10–3–61, Cl. 167—74.

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Dawson, Victor C. D., and Seigel. 3,005,573.

Seiger, Harry W. Holder for tenacula. 2,977,958, 4–4–61, Cl. 128—346.

Seigle, Leon W., to Allied Chemical Corp. Nuclear alkyl 1,2-dibenzoylethane sulfonates. 3,012,070, 12–5–61, Cl. 260—511.

Seigle, Robert L. Spool. 3,003,715, 10–10–61, Cl. 242—125.1.

Seigle, William. Fishing float. 2,988,840, 6–20–61, Cl. 43—17.

Seigle, William R., to General Electric Co. Logical binary comparison circuit. 2,984,821, 5–16–61, Cl. 340—149.

Seike, Helmut K., to Kaiser Industries Corp. Static constant voltage D.C. to D.C. converter. 2,991,410, 7–4–61, Cl. 323—100.

Seike, Helmut K., to Kaiser Industries Corp. Static constant voltage D.C. to D.C. converter. 3,009,093, 11–14–61, Cl. 323—22.

Seiler, David A. L.: *See*—
McCall, Ernest B., and Seiler. 2,970,081.

Seiler, Donald J.: *See*—
Tauschek, Max J., and Seiler. 3,008,687.

Seiler, Donald J., to Thompson Ramo Wooldridge Inc. Combined retainer, lock and rotator. 2,988,073, 6–13–61, Cl. 123—90.
Sells, Edward C., Jr., to Walker Mfg. Co. Tail pipe extension. 3,011,524, 12–5–61, Cl. 138—46.5.
Seirig, Alfred K., and H.-J. Strunck, to Wernicke & Co., K.G. Grinding machine, especially for grinding spectacle glasses. 2,970,409, 2–7–61, Cl. 51—101.
Seisakusho, F. C., Co., Ltd.: *See*—
Chatani, Kunju. 2,990,760.
Seismograph Service Corp.: *See*—
Fons, Lloyd C., and Macfarlane. 2,993,540.
Hawkins, James E., and Wilcox. 2,990,904.
Koeppel, Beverly W. 2,974,318.
Michels, Antonius M. J. F. 2,986,641.
Seiter, Otto, to The Reliable Factory Supply Co. Textile staple tacker. 2,991,476, 7–11–61, Cl. 1—49.
Seith, Charleigh A., and J. J. Kidd, to The Rado-Matic Corp. Overhead door operating mechanism. 2,991,406, 7–4–61, Cl. 318—475.
Seitz, James P., to Ajax Magnethermic Corp. Protective device for induction furnaces. 2,990,542, 6–27–61, Cl. 340—242.
Seitz, Joseph K. Card-carrying case or pocket secretary. 2,982,322, 5–2–61, Cl. 150—39.
Seitz, Karl: *See*—
Fasciati, Alfred, Gunst, Riat, and Seitz. 2,993,038.
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Silverman, Louis, Sallach, and Seitz. 2,978,399.
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Selz, Edward A., to Hatfield Industries, Inc. Stacking rack for pallets. 2,991,033, 7–4–61, Cl. 248—120.
Selz, Edward A. Interlock. 2,999,570, 9–12–61, Cl. 189—36.
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Sejournet, Jacques, to Compagnie du Filage des Metaux et des Joints Curty. Extrusion dies. 2,971,644, 2–14–61, Cl. 207—17.
Sejournet, Jacques, to Compagnie du Filage des Metaux et des Joints Curty. Methods of extruding metals. 2,975,509, 3–21–61, Cl. 29—156.8.
Sekella, Youston, J. J. Digby, and R. J. Covert, to The Bendix Corp. High altitude sounding projectile. 2,973,712, 3–7–61, Cl. 102—63.
Sekkelsten, Erik B., and H. E. Sundt, to Ingenior Gunnar Schjelderup Industriovner. Electric furnace. 3,009,974, 11–21–61, Cl. 13—25.
Sekul, Antonio A.: *See*—
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Sellers, Henry G., Jr., and Sekul. 2,991,317.
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Bloom, Frederick S., and Hovis. 3,000,435.
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Duff, John. 2,977,106.
Edvar, Torsten F. A. 2,980,410.
Erhardt, John E., Jr., and Siegel. 2,999,675.
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Henwood, James B. 2,992,676.
Hess, Frederic O. 2,968,894.
Koerner, Hans. 2,980,412.
McFadden, Charles A., Mammel, and Liddell. 2,975,745.
Williams, John R. 2,992,677.
Williams, John R. 2,996,113.
Williams, John R. 3,001,779.
Selberg, John P.: *See*—
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Selberg, John P., and W. H. Griffith, to Dresser Industries, Inc. Self-erecting derrick. 2,983,341, 5–9–61, Cl. 189—16.
Selbin, Joel, to American Cyanamid Co. Removal of vanadium from petroleum oils by pyridine treatment. 2,972,577, 2–21–61, Cl. 208—251.
Selbin, Joel, to American Cyanamid Co. Removal of vanadium from petroleum oils by oxidation. 2,976,233, 3–21–61, Cl. 208—251.
Selbmann, Rudolf W., to Oak Mfg. Co. Combined oscillator converter circuit for high frequencies. 2,986,632, 5–30–61, Cl. 250—20.
Selby, Jack H., to The Warner & Swasey Co. Baller head. 2,968,446, 1–17–61, Cl. 242—54.4.
Selby, Max M., to Tubular Structures Corp of America. Coupling pin. 3,004,784, 10–17–61, Cl. 287—2.
Selby, Myer S., and M. A. Howe, Jr., to W. R. Grace & Co. Package. 2,994,424, 8–1–61, Cl. 206—46.
Selcer, William H., to Monsanto Chemical Co. Process for producing β-aminonitriles and β-aminoesters. 2,982,782, 5–2–61, Cl. 260—465.5.
Seldon, George E. Fuel-air induction system for carburetors. 2,996,289, 8–15–61, Cl. 261—76.
Self, Edward S. Stabilizer for drill pipe. 2,973,996, 3–7–61, Cl. 308—4.
Self, Robert L., to Western Electric Co., Inc. Apparatus for manipulating articles. 2,996,796, 8–22–61, Cl. 29—235.
Self Changing Gears Ltd.: *See*—
Miller, Albert A. 2,972,909.
Seliger, Victor H.: *See*—
Rappaport, Sigmund, and Seliger. 3,006,545.
Schroeder, George F., Seliger, Frann, Hardigan, and Lieske. 2,989,233.
Seliger, Victor H., to Sperry Rand Corp., Ford Instrument Co. Division. Ground speed indicator. 2,977,586, 3–28–61, Cl. 343—8.
Seliger, Victor H., and L. S. Brown, to Sperry Rand Corp., Ford Instrument Co. Division. Function maximizer. 2,995,301, 8–8–61, Cl. 235—151.
Seligman, Kurt L.: *See*—
Jackson, Harold L., and Seligman. 3,004,012.
Seligsberger, Ludwig, to United States of America, Army. Tanning with alkaline glyoxal. 2,971,814, 2–14–61, Cl. 8—94.33.
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Friedman, Leon S., Spencer, and Seligson. 3,000,474.
Selikson, Bernard, to Radio Corp of America. Single crystalline alloys. 2,997,410, 8–22–61, Cl. 148—32.
Selinder, Eric P., to Minneapolis-Honeywell Regulator Co. Pressure operated valve. 2,990,155, 6–27–61, Cl. 251—30.
Seling, Theodore V., to General Motors Corp. Waveguide polarization converter. 2,975,383, 3–14–61, Cl. 333—98.
Sell, Doyl E.: *See*—
Sell, Wayne E. and D. E. 2,969,672.
Sell, Eric A. F.: *See*—
Jackson, Thomas M., and Sell. 2,971,109.
Sell, Wayne E. and D. E. Wind velocity and direction indicating device. 2,969,672, 1–31–61, Cl. 73—189.
Sell, Werner, to Goetzewerke Friedrich Goetze Aktiengesellschaft. Packing for sealing movable shafts. 3,013,846, 12–19–61, Cl. 308—36.1.
Sellars, Elmer V., and C. W. Bennett; said Bennett assor. to said Sellars. Floor cranes. 2,974,809, 3–14–61, Cl. 212—34.
Sellars, George L., to Ohio Gravel Co. Rock crushing machine. 2,991,949, 7–11–61, Cl. 241—275.
Selle, Hans-Dieter, and A. Ruhnau, to VEB Chemische Fabrik Grunau. Novel amphoteric surface-active compounds and a process for their manufacture. 3,004,021, 10–10–61, Cl. 260—123.7.
Selle, Heinz, and K.-J. Schulze, to VEB Schlepperwerk Nordhausen. Adjustable driving mount. 2,987,936, 6–13–61, Cl. 74—493.
Sellen, George F., and L. E. Pirkle, to Esso Research and Engineering Co. Preparation of isoolefin polymers with silicones as slurrying acids. 2,995,547, 8–8–61, Cl. 260—85.3.
Sellers, Arthur G. Fuel injector. 2,967,697, 1–10–61, Cl. 261—23.
Sellers, Frederick B., to Texaco Development Corp. Treatment of uranium containing carbonaceous materials. 2,992,891, 7–18–61, Cl. 23—14.5.
Sellers, Frederick B., and H. M. Chapin, to Texaco Development Corp. Method of and apparatus for concurrently disintegrating and mixing together different solid particles. 2,991,187, 7–4–61, Cl. 106—100.
Sellers, Gabe A., Jr.: *See*—
Ostendorf, Bernard, Jr., and Sellers. 3,014,982.
Sellers, Gabe A., Jr., to Bell Telephone Laboratories, Inc. Telegraph transmitter control system. 3,005,041, 10–17–61, Cl. 178—4.1.
Sellers, Gose B.: *See*—
Chapman, David Z., and Sellers. 2,984,884.
Sellers, Henry G., Jr., and A. A. Sekul, to Cities Service Research and Development Co. Cycloolefin production. 2,991,317, 7–4–61, Cl. 260—666.
Sellers, Jean W.: *See*—
Sellers, John P., Jr. 2,979,353.
Sellers, John C., to Johnson & Johnson. Chemical product and method. 2,997,464, 8–22–61, Cl. 260—78.5.
Sellers, John C., to Johnson & Johnson. Cross linked polymers of maleic anhydride. 3,002,954, 10–3–61, Cl. 260—78.5.
Sellers, John C., to Johnson & Johnson. Cross-linked maleic anhydride copolymers. 3,002,955, 10–3–61, Cl. 260—78.5.
Sellers, John C., to Johnson & Johnson. Adhesive salt of an ester of a maleic anhydride copolymer. 3,005,802, 10–24–61, Cl. 260—78.5.
Sellers, John P., Jr., deceased, by J. W. Sellers, administratrix, to Clevite Harris Products, Inc. Elastomer ball joint and method of assembling same. 2,979,353, 4–11–61, Cl. 287—85.
Sellers, Paul L.: *See*—
Brown, Wilbur F., Sellers, and Jarosi. 3,012,384.
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Kvassay, Emanuel, and Andrews. 2,979,191.
McAuley, James E. 2,973,001.
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Sklash, David W., and Selling. 2,990,845.
Selmer, Ernst S., to Burroughs Corp. Combined shift register and counter circuit. 2,997,233, 8–22–61, Cl. 235—92.
Selmer, H. & A., Inc.: *See*—
Fischer, John P. 2,993,295.
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Duva, Robert, and Rinker. 2,984,604.
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Selstad, Richard H., to The Roberts Co. Method of making carpet grippers. 3,000,009, 9–19–61, Cl. 1—82.

Selsted, Walter T.: *See*—
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Selsted, Walter T., to Ampex Corp. Magnetic tape apparatus. 2,969,200, 1–24–61, Cl. 242—55.12.

Selsted, Walter T., to Ampex Corp. Magnetic tape apparatus. 2,987,233, 6–6–61, Cl. 226—95.

Selsted, Walter T., to Ampex Corp. Tape guiding system. 2,989,265, 6–20–61, Cl. 242—76.

Seltzer, Edward, A. J. Harriman, and R. W. Henderson, to Thomas J. Lipton, Inc. Process for converting green tea extract. 2,975,057, 3–14–61, Cl. 99—77.

Seltzer, Edward C.: *See*—
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Seltzer, Norman L., to The Kendall Co. Diaper. 2,977,997, 4–4–61, Cl. 139—383.

Seltzer, Norman L., to The Kendall Co. Elastic diaper. 2,995,154, 8–8–61, Cl. 139—383.

Selvin, Gerald J., to Sylvania Electric Products Inc. Microelectronic circuit module. 2,995,686, 8–8–61, Cl. 317—101.

Selwitz, Charles M., to Gulf Research & Development Co. Acid production. 2,969,380, 1–24–61, Cl. 260—413.

Selwood, George, to Wilmot-Breeden Ltd. Fluid control valves having rectilinearly slidable parts within ported hollow bodies. 2,980,137, 4–18–61, Cl. 137—622.

Selwood, George, and J. Wesley, to Wilmot-Breeden Ltd. Fluid control valves having angularly movable parts within ported hollow bodies. 2,973,014, 2–28–61, Cl. 137—624.

Selzer, John. Power actuated end gate elevator for motor vehicles. 2,979,214, 4–11–61, Cl. 214—77.

Sem, Mathias O., to Elektrokemisk A/S. Arrangement in electric smelting furnaces. 2,971,040, 2–7–61, Cl. 13—33.

Sem, Mathias O., to Elektrokemisk A/S. Method of charging aluminum furnaces. 3,006,825, 10–31–61, Cl. 204—67

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Semegen, Stephen T., to The B. F. Goodrich Co. Leather-like material. 2,973,284, 2–28–61, Cl. 117—76.

Semmelroth, Albert N., to Virco Mfg. Corp. Collapsible table leg and mounting therefor. 2,989,356, 6–20–61, Cl. 311—99.

Semmelroth, Albert N., to Virco Mfg. Corp. Adjustable support for a platform. 2,999,729, 9–12–61, Cl. 311—39.

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Semon, Howard W., and E. L. Deeter. Mine arming means. 2,967,481, 1–10–61, Cl. 102—16.

Semon, Lawrence J. Call-holder and dial-through plug for cord-operated switchboards. 2,984,702, 5–16–61, Cl. 179—1.

Semon, Lawrence J. Monitor control unit and system for switchboard. 2,984,707, 5–16–61, Cl. 179—42.

Semon, Waldo L., and J. F. Jones, to The B. F. Goodrich Co. Method of making anhydride polymers. 2,988,541, 6–13–61, Cl. 260—80.

Semonelt, Joyce. Device for aiding students of stringed instruments. 3,004,461, 10–17–61, Cl. 84—470.

Semones, Donald E.: *See*—
Clifford, John E., McCallum, and Semones. 2,992,143.

Senco Products, Inc.: *See*—
Julfs, Albert G. 2,983,922.

Sendzimir, Tadeusz. Beambacked planetary rolling mill. 2,978,933, 4–11–61, Cl. 80—38.

Senfleben, Paul W., to United Shoe Machinery Corp. Heel attaching machines. 3,003,152, 10–10–61, Cl. 1—335.

Senft, Martin: *See*—
Meissner, Willi G. 2,980,889.

Seng, Albert L.: *See*—
Friedrich, Albert, Roessler, Fueglein, and Seng. 2,993,320.

Seng Co., The: *See*—
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Fox, Martin. 3,005,997.
Fox, Martin. 3,008,767.

Senger, Albert C. Pivotally mounted hydraulic bumper assembly for vehicles. 3,008,746, 11–14–61, Cl. 293—70.

Senger, John F.: *See*—
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Senger, John F., and J. W. Scott, Jr., to California Research Corp. Process for the production of high octane gasolines. 2,987,466, 6–6–61, Cl. 208—60.

Seniff, Russell W., and R. N. Fracalossi. Molybdenum disulfide lubricating composition and method. 3,014,865, 12–26–61, Cl. 252—12.

Senior, Frank C., to Strategic-Udy Metallurgical and Chemical Processes Ltd. Metallurgical process. 3,012,875, 12–12–61, Cl. 75—11.

Senior, Norman: *See*—
Driver, George W., and Senior. 2,975,098.

Senior, Norman, to Imperial Chemical Industries Ltd. New biguanide salts. 2,990,425, 6–27–61, Cl. 260—501.

Senftzky, Benjamin: *See*—
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Senitzky, Benjamin, to Bell Telephone Laboratories, Inc. Electrostatic field-effect transistor having insulated electrode controlling field in depletion region of reverse-biased junction. 2,994,811, 8–1–61, Cl. 317—235.

Senitsky, Benjamin, and H. W. Bomzer, to Sperry Rand Corp., Ford Instrument Co. Division. System for predicting radar terrain reflection. 2,994,966, 8–8–61, Cl. 35—10.4.

Senkbeil, Herman O., to The Dow Chemical Co. O,O′-(2-butenylene) and (2-butynylene) bis-(O-alkyl phosphoramidothioates). 3,005,001, 10–17–61, Cl. 260—461.

Senkewitz, John S., to S & S Industrial Products, Inc. Folding peeler. 3,009,245, 11–21–61, Cl. 30—155.

Senkowski, Alexander, and A. E. Lynes, to Massey-Ferguson Inc. Epicyclic transmission and control mechanism therefor. 2,971,406, 2–14–61, Cl. 74—785.

Senn, Charles. Welding gun. 3,008,033, 11–7–61, Cl. 219—89.

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Senn, Rudolf, to Georg Fischer Aktiengesellschaft. Weft bobbin changing apparatus. 2,985,199, 5–23–61, Cl. 139—243.

Senn, William R. Apparatus for granulating phosphate rock fertilizer or the like. 2,987,263, 6–6–61, Cl. 241—76.

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Levkoff, David. 2,974,827.

Sennewald, Kurt, A. Gotz, and H. Rehberg, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of alkinols and alkine diols. 2,979,535, 4–11–61, Cl. 260—635.

Sennewald, Kurt, F. Pohl, W. Vogt, L. Strie, and H. Glaser, to Knapsack-Griesheim Aktiengesellschaft. Process for isolating and purifying chloroprene. 2,984,690, 5–16–61, Cl. 260—655.

Sennewald, Kurt, and K. Born, to Knapsack-Griesheim Aktiengesellschaft. Process for purifying acrylonitrile. 2,987,451, 6–6–61, Cl. 202—57.

Sennhauser, George J.: *See*—
Browne, Kenneth A., and Sennhauser. 2,969,129.

Senoh, Saburo: *See*—
Murakami, Masuo, and Senoh. 2,971,022.

Sen-O-Lift Corp.: *See*—
Shivek, Herbert L. 3,004,813.

Sensel, Eugene E., to Texaco Inc. Selective sorption process. 2,988,577, 6–13–61, Cl. 260—676.

Sensel, Eugene E., to Texaco Inc. Process for production of type A zeolite. 3,009,776, 11–21–61, Cl. 23—112.

Sensenbrenner, Michael E. Fishing devices. 2,976,640, 3–28–61, Cl. 43—19.2.

Sensenig, Warren, to Fairchild Camera and Instrument Corp. Control circuit. 2,988,703, 6–13–61, Cl. 328—229.

Sensi, Piero: *See*—
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Sensui, Nobuo, to Shibaura Kyodo Kogyo Kabushiki Kaisha. Lubricant supply device. 2,995,214, 8–8–61, Cl. 184—105.

Sentek, Antoni. Treatment of montan wax with chromic acid and simultaneous formation of chromic tanning mash. 2,971,813, 2–14–61, Cl. 8—94.26.

Senti, Frederic R., R. L. Mellies, and C. L. Mehltretter, to United States of America, Agriculture. Method of cross linking and oxidizing starch. 2,989,521, 6–20–61, Cl. 260—233.3.

Sentz, Lemuel E., Jr., and M. A. Curtis, to American Cyanamid Co. Use of amylopectin to waterproof dynamite. 3,003,862, 10–10–61, Cl. 52—11.

Senzuwa, Haruo: *See*—
Nakane, Takashi, Kobayashi, Akimoto, and Senzuwa. 2,971,564.

Sepanak, Leonard S.: *See*—
Gang, Herman, and Sepanak. 2,995,299.

Sepavich, Victor F.: *See*—
Herard, Archibald J., Jr., Kronoff, and Sepavich. 2,980,145.
Herard, Archibald J., Jr., and Sepavich. 2,980,147.
Paul, Frederick W., and Sepavich. 2,981,295.

Sepe, Anthony and L. J. Self feeding baby bottle holder and thermo insulator. 2,994,448, 8–1–61, Cl. 215—11.

Sepe, Louis J.: *See*—
Sepe, Anthony and L. J. 2,994,448.

Sepich, Edward. Construction material mixer with batch gauge. 2,970,820, 2–7–61, Cl. 259—171.

Sepp, Oscar W., Jr., to M. Steinthal & Co., Inc. Parachute canopy ejection and opening apparatus. 2,972,458, 2–21–61, Cl. 244—147.

Septer, Leslie E. Electro-acoustical warning device. 3,015,093, 12–26–61, Cl. 340—310.

Serafin, Robert F., to Artype, Inc. Transparent characters with spacing aid. 2,970,043, 1–31–61, Cl. 41—21.

Seragnoli, Ariosto. Mechanisms for delivering articles into a machine, particularly adapted to deliver caramels into wrapping machines. 2,976,825, 3–28–61, Cl. 107—4.

Seragnoli, Ariosto. Mechanism for feeding wrapping material to a wrapping machine. 2,981,541, 4–25–61, Cl. 271—82.

Seragnoli, Ariosto. Mechanism for distributing and conveying articles into a machine. 2,995,234, 8–8–61, Cl. 198—24.

Serbin, Jacob, to Narricot Corp. Apparatus for connecting overlapped ends of a strip. 3,013,930, 12–19–61, Cl. 156—581.

Sereno, Robert H., to The Northwestern Corp. Vending machine. 2,990,975, 7–4–61, Cl. 221—203.

Serfass, Earl J.: *See*—
Horton, James B., and Serfass. 2,975,029.

Serfass, Edgar A. Snap-on universal gutter clip. 2,997,763, 8–29–61, Cl. 24—81.

Sergay, Dimitry B., to General Motors Corp. Sealing of revolver firing chamber. 2,981,023, 4–25–61, Cl. 42—59.
Seright, Carl G., to Radio Corp. of America. Battery charging system. 2,967,988. 1–10–61. Cl. 320—36.
Serio, Anthony W. Handle apparatus. 2,982,577, 5–2–61, Cl. 294—31.2.
Serio, Anthony W. Combined holder and stand. 3,010,688, 11–28–61, Cl. 248—145.6.
Sermon, George T., and T. J. Lescellus, to Unimatic Mfg. Inc. Abrasive tools and methods of making and using same. 3,003,860, 10–10–61. Cl. 51—307.
Serniuk, George E.: *See*—
Miller, Alfred L., and Serniuk. 2,984,649.
Muessig, Clifford W., and Serniuk. 3,011,984.
Serniuk, George E., and J. Rehner, Jr., to Esso Research and Engineering Co. Butyl rubber compounded with radiopolymerized alkanes. 2,967,138, 1–3–61, Cl. 204—154.
Serniuk, George E., and F. P. Baldwin, to Esso Research and Engineering Co. Modification of rubbery copolymers. 2,994,357, 8–1–61, Cl. 152—330.
Serniuk, George E., I. Kuntz, and F. P. Baldwin, to Esso Research and Engineering Co. Process for the halogenation of butyl rubber with chlorine and bromine, and product obtained thereby. 3,009,904, 11–21–61, Cl. 260—85.3.
Serrano, Richardo A. Vest of the cummerbund type and adjusting means therefor. 3,001,202, 9–26–61, Cl. 2—102.
Serrao, Gregory R.: *See*—
Bury, Nellie V., Serrao, and Koval. 3,008,615.
Serres, Carl, Jr.: *See*—
Fields, Ellis K., and Serres. 3,006,972.
Serres, Carl, Jr., and E. K. Fields, to Standard Oil Co. Production of anthraquinone. 2,967,187, 1–3–61, Cl. 260—369.
Serreze, Victor C., Jr., to American Cyanamid Co. Method of purifying thiocyanate solutions. 2,977,188, 3–28–61, Cl. 23—75.
Serreze, Victor C., Jr., and W. R. Kocay, to American Cyanamid Co. Purification of thiocyanate solutions. 2,977,187, 3–28–61, Cl. 23—75.
Servage, Henri, to Moulinage et Retorderie de Chavanoz. Method of making high-bulk yarns. 3,012,397, 12–12–61, Cl. 57—157.
Serval Slide Fasteners, Inc.: *See*—
Voity, Maurice, and Kuhner. 3,010,170.
Servanty, Pierre, to Societe Nationale d'Etude et de Construction de Moteurs d-Aviation. Pulse reactor. 2,972,862, 2–28–61, Cl. 60—39.34.
Servanty, Pierre, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Intermittently-operating thermo-propulsive duct designed for driving a shaft and applicable to rotary wing aircraft. 3,008,293, 11–14–61, Cl. 60—39.34.
Servel, Inc.: *See*—
Coleman, Joseph J. 2,981,784.
Warren, Robert A., and Wilke. 2,981,782.
Service Conveyor Co.: *See*—
Clapp, David M., and Mitchell. 2,989,169.
Service Ideas, Inc.: *See*—
Sperl, Ferdinand P. 2,969,011.
Service Metal Fabricators, Inc.: *See*—
Vani, James, and Malpede. 2,978,718.
Vani, James, and Malpede. 2,987,067.
Servin, Robert S., to Robert Hosiery Mills, Inc. Slipper. 2,995,838. 8–15–61, Cl. 36—9.
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Blackstone, Henry. 2,969,005.
Blackstone, Henry. 2,997,539.
Blackstone, Henry, and Willey. 2,967,211.
Gallagher, Cornelius A., and Pelino. Re. 24,983.
Gallagher, Cornelius A., and Pelino. 2,999,152.
Howell, Sabert N. 2,976,730.
Howell, Sabert N. 2,978,589.
Howell, Sabert N. 2,978,956.
Howell, Sabert N. 3,013,360.
Jerger, Joseph, Jr. 2,999,027.
Macklem, F Sutherland. 2,986,727.
Marcus, Norman, and Fraser. 2,972,932.
Pelino, William M. 2,973,430.
Rosenthal, Adolph H. 3,011,386.
Rosenthal, Adolph H. 3,012,467.
Rosett, Bernard. 2,999,151.
Villar, Luis F. 2,993,673.
Weiss, Morris. 2,967,449.
Willey, Frank G. 2,970,210.
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Haydon, Arthur W. 2,976,674.
Sessions, Marc H., to United States Borax & Chemical Corp. Dispenser for powdered materials. 3,008,609, 11–14–61, Cl. 222—130.
Sessler, John C.: *See*—
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Settimi, Raymond J.: *See*—
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Seubert, Harry M.: *See*—
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Seubold, Frank H., Jr.: *See*—
Schaeffer, William D., and Seubold. 2,977,395.
Seubold, Frank H., Jr., to Union Oil Co. of California. Hydrocracking process and catalyst. 2,983,670, 5–9–61, Cl. 208—110.
Seufert, George E. and J. P. H. Cakes of soap and the like having attachment means. 2,988,841, 6–20–61, Cl. 45—28.
Seufert, George E. and J. P. H. Means for suspending a cake of soap and the like. 2,988,842, 6–20–61, Cl. 45—28.
Seufert, Janet P. H.: *See*—
Seufert, George E. and J. P. H. 2,988,841.
Seufert, George E. and J. P. H. 2,988,842.
Seulen, Gerhard W., F. Scheffler, and F. K. Gehrmann, to Deutsche Edelstahlwerke Aktiengesellschaft, and Allgemeine Elektricitats-Gesellschaft. Method of and apparatus for preparing and feeding inductively heated separate workpieces, particularly for the subsequent processing thereof in a hot forming machine. 2,995,641, 8–8–61, Cl. 219—10.69.
Sev, Alexandre, to Compagnie Generale de Telegraphie Sans Fil. Pulse receivers. 3,011,053, 11–28–61, Cl. 250—20.
Sevald, William T.: *See*—
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Sevcik, John G., to Burton-Dixie Corp. Adjustable bed frame. 3,003,158. 10–10–61. Cl. 5—181.
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Severs, Michael J.: *See*—
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Severson, Asbjorn M., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,981,868, 4–25–61, Cl. 317—101.
Severson, Kermit H. Card holders. 3,011,279, 12–5–61, Cl. 40—10.
Severson, Wilmer M., to Allis-Chalmers Mfg. Co. Planter and tool leveling arrangement. 2,972,387, 2–21–61, Cl. 172—739.
Sevigne, Frank J., to Collett-Week Corp. Process for preparation of alpha tocopherol. 2,998,430, 8–29–61, Cl. 260—345.5.
Sevison, Luther E., to Ex-Cell-O Corp. Jig apparatus. 3,000 275. 9–19–61, Cl. 93—51.
Sevison, Luther E., to Ex-Cell-O Corp. Decurling apparatus. 3,002,222. 10–3–61, Cl. 18—1.
Seward, Edwin R., and W. C. Gainer, to ASCO Automatic Specialties Corp. Wall cake cutter. 2,982,359, 5–2–61, Cl. 166—173.
Seward, Edwin R., and W. C. Gainer, to ASCO Automatic Specialties Corp. Attachment and coupling device. 2,989,326, 6–20–61, Cl. 287—52.
Seward, Harold H. Servo systems. 2,999,967, 9–12–61, Cl. 318—171.
Sewelin, Ernest R., and D. B. Study, to International Harvester Co. Motor vehicle end gate construction. 2,994,556, 8–1–61, Cl. 296—57.
Sewell, Ben W., to United States of America, Navy. Radar scanning nutator. 3,006,203, 10–31–61, Cl. 74—86.
Sexsmith, Fred H., to Chicopee Mfg. Corp. Fibrous structures and methods of making the same. 3,010,858, 11–28–61, Cl. 154—46.
Sexton, Arthur R., and E. C. Britton, to The Dow Chemical Co. Fatty acid esters of hydroxyalkanesulfonic acid amine salts. 2,968,664, 1–17–61, Cl. 260—401.
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Sexton, Edward W. 2,987,213.
Sexton, Edward W. 3,013,492.
Sexton, Edward W., Jr. 3,013,549.
Sexton, Edward W., to Sexton Can Co., Inc. Garbage can receiver. 2,987,213, 6–6–61, Cl. 220—18.
Sexton, Edward W., to Sexton Can Co., Inc. Explosive cartridge. 3,013,492, 12–19–61, Cl. 102—24.
Sexton, Edward W., Jr., to Sexton Can Co. Portable outdoor cooker. 3,013,549, 12–19–61, Cl. 126—25.
Sexton, G. Stuart II: *See*—
Klein, Clarence F., and Sexton. 2,970,525.
Sexton, Llewellyn F., Jr., and E. S. Waltz, to The Heil Co. Material handling apparatus. 3,012,684, 12–12–61, Cl. 214—302.
Sexton, Robert W., to American Air Filter Co., Inc. Gas treating device. 2,966,958, 1–3–61, Cl. 183—14.
Seyb, Edgar J., Jr., to Metal & Thermit Corp. Electroplating process and bath. 3,002,901, 10–3–61, Cl. 204—43.
Seyb, Edgar J., Jr., to Metal & Thermit Corp. Process of producing dyed chromate surfaces on zinc and cadmium. 3,014,821, 12–26–61, Cl. 148—6.1.
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Seybold, Frederick W. Overload release coupling. 2,997,149, 8–22–61, Cl. 192—56.

Seydel, Gerhard, C. Beermann, E. Junghanns, and H.-J. Bahr, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Olefin polymerization with catalyst of water-treated titanium compound and an alkyl aluminum compound. 2,984,658, 5–16–61, Cl. 260—94.9.
Seydel, Robert, G. Unterstenhöfer, and R. Stroh, to Farbenfabriken Bayer Aktiengesellschaft. Process for controlling insects. 2,998,348, 8–29–61, Cl. 167—31.
Seyer, Frank H., to Paper Mate Mfg. Co. Tandem writing implement. 2,971,494, 2–14–61, Cl. 120—42.1.
Seyffer, Max, to Rockwell G.m.b.H. Lawn mower with an auxiliary handle. 3,004,375, 10–17–61, Cl. 56—25.4.
Seyfried, Arthur W., to Scovill Mfg. Co. Suction cleaner cord storage means. 2,974,343, 3–14–61, Cl. 15—323.
Seyfried, Arthur W., to Scovill Mfg. Co. Suction cleaner nozzle. 2,974,347, 3–14–61, Cl. 15—356.
Seyfried, Arthur W., and C. L. Smader, to Scovill Mfg. Co. Centrifugal governor for electric motors. 3,013,133, 12–12–61, Cl. 200—80.
Seyfried, Richard F. Control of high frequency induction heating. 2,971,754, 2–14–61, Cl. 266—5.
Seyler, Leon Antoine. Pumps and compressors of the flexible-tube type. 2,977,890, 4–4–61, Cl. 103—149.
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Seymour, James E., to Central Farmers Fertilizer Co. Apparatus for manufacturing mixed fertilizers. 2,976,126, 3–21–61, Cl. 23—259.2.
Seymour, James E., to Central Farmers Fertilizer Co. Processes for producing fertilizers. 2,978,311, 4–4–61, Cl. 71—33.
Seymour, James E., to Central Farmers Fertilizer Co. Processes for producing fertilizers and products thereof. 2,978,312, 4–4–61, Cl. 71—33.
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Sferlozza, Anthony. Traveling signs for public vehicles. 2,994,146, 8–1–61, Cl. 40—30.
Sferrazza, Peter J., to Sperry Rand Corp. Waveguide to strip transmission line directional coupler. 2,976,499, 3–21–61, Cl. 333—10.
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Shada, Joseph J., to International Basic Economy Corp. Liquid mist generating device. 3,009,542, 11–21–61, Cl. 184—55.
Shade, Ray W., to General Electric Co. Method and apparatus for the recovery of latent heat of fusion. 2,996,894, 8–22–61, Cl. 62—59.
Shade, William S., and C. A. Teichert, to General Motors Corp. Unit fuel pump-injector. 3,006,556, 10–31–61, Cl. 239—88.
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Shafer, Alvin O. Apparatus for untwisting lines. 2,979,281, 4–11–61, Cl. 242—84.1.
Shafer, Homer J. Sealing construction for piston valve. 3,004,551, 10–17–61, Cl. 137—246.16.
Shafer, Homer J. Piston valve construction. 3,004,552, 10–17–61, Cl. 137—246.22.
Shafer, James A., to National Malleable and Steel Castings Co. Car truck. 3,000,330, 9–19–61, Cl. 105—206.
Shafer, James A., and H. B. Weber, to National Malleable and Steel Castings Co. Journal box lid assembly. 2,977,159, 3–28–61, Cl. 308—47.
Shafer, Orville B., to International Business Machines Corp. Electrical circuit connector apparatus. 2,999,918, 9–12–61, Cl. 200—166.
Shafer, Richard C., to Western Electric Co., Inc. Method of forming articles. 2,983,987, 5–16–61, Cl. 29—25.3.
Shaffer, Charles S. Depth register. 3,005,264, 10–24–61, Cl. 33—141.
Shaffer, Harry S. Cellular coating and method of producing the same. 3,006,780, 10–31–61, Cl. 117—18.
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Shaffer, Paul B., to General Electric Co. Thrust bearing arrangement for rotating machines. 2,984,528, 5–16–61, Cl. 308—163.
Shaffer, Robert A., and C. C. Attridge, to United States of America, Air Force. Process for producing a fine mesh pattern on a substrate. 3,002,847, 10–3–61, Cl. 117—5.5.
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Miller, Ivan. 3,011,757.
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Shaffer, Walter M., to Towmotor Corp. Hydraulic drive for lift truck. 3,005,562, 10–24–61, Cl. 214—701.
Shaffer, William R., to Wald Industries, Inc. Road striping machine. 2,975,979, 3–21–61, Cl. 239—150.
Shaffer, William R., to Wald Industries, Inc. Road striping machine. 2,988,285, 6–13–61, Cl. 239—100.
Shaginaw, Nicholas A. Automobile impact deflecting bumper and body guard. 2,984,512, 5–16–61, Cl. 293—73.
Shallor, Douglas E., to Ford Motor Co. Vibration threshold analyzing. 2,996,912, 8–22–61, Cl. 73—71.4
Shain, Edwin, to General Electric Co. Frequency measuring apparatus. 2,987,674, 6–6–61, Cl. 324—78.
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Clickner, Earle D. 2,974,570.
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Shakespeare, Henry G., to Shakespeare Co. Fishing reel construction. 2,973,916, 3–7–61, Cl. 242—84.2.
Shakman, James G., to Pabst Brewing Co. Container. 2,971,671, 2–14–61, Cl. 220—66.
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Shaler, David, to Hogan Faximile Corp. Recorder with foil electrode moving parallel to recording medium. 3,010,778, 11–28–61, Cl. 346—74.
Shaler, Richard G., R. L. McAdam, and R. G. Shaler, Jr., to American Tansul Co. Method for treating beer and the resulting product thereof. 3,013,882, 12–19–61, Cl. 99—48.
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Shames, Sidney J.: *See*—
Shames, Harold and S. J. 2,971,701.
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Shames, Sidney J. and H. Combination coupling for use with aerator. 3,011,725, 12–5–61, Cl. 239—432.
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Smith, William H., Frohner, and Adolphson. 3,005,673.
Smith, William H., Frohner, and Adolphson. 3,012,836.
Shanahan, Robert J.: *See*—
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Shanahan, William J., to Skiatron Electronics & Television Corp. Coding methods and apparatus. 2,969,533, 1–24–61, Cl. 340—347.
Shanahan, William J., to United States of America, Navy. Video quantizing and contour level apparatus. 3,005,045, 10–17–61, Cl. 178—6.8.
Shanahan, William J., and R. F. Vetter, to Skiatron Electronics & Television Corp. Decoding. 2,977,434, 3–28–61, Cl. 200—46.
Shanahan, William J., R. F. Vetter, and E. I. Sacks, to Skiatron Electronic & Television Corp. Television. 2,983,781, 5–9–61, Cl. 178—5.1.
Shanahan, William J., R. F. Vetter, and E. I. Sacks, to Skiatron Electronics to Television Corp. Television. 3,011,015, 11–28–61, Cl. 178—5.1.
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Shapiro, Hymin, and H. R. Neal, to Ethyl Corp. Stable lead alkyl compositions and a method for preparing the same. 2,992,252, 7–11–61, Cl. 260—437.

Shapiro, Hymin, and H. R. Neal, to Ethyl Corp. Stable lead alkyl compositions and a method for preparing the same. 2,992,253, 7–11–61, Cl. 260—437.

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Shawk, Jesse J. Hog ringing crate. 3,014,456, 12–26–61, Cl. 119—99.
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Sheckler, Addison C., to Carrier Corp. Power supplies for use in thermoelectric refrigeration systems. 3,005,316, 10–24–61, Cl. 62—3.
Sheckler, Addison C., to Carrier Corp. Thermoelectric water cooler. 3,008,299, 11–14–61, Cl. 62—3.
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Straw, Jesse H. 2,976,772.
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Arabian, Karekin G., and Olson. 3,006,839.
Archibald, Raymond C. 3,006,843.
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Armstrong, Warren E., Voge, and Adams. 2,991,322.
Baars, Arie D., and Wolfson. 3,005,771.
Ballard, Seaver A., and Youngman. 2,991,305.
Barnum, Emmett R., Mahoney, and Sax. 3,006,852.
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Borsoff, Victor N., and Calhoun. 2,971,915.
Boultbee, Thomas H. 2,981,717.
Bradley, Theodore F. 3,012,485.
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Bruin, Pieter, van Raamsdonk, Rumscheidt, and Ruinard. 3,014,882.
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Buningh, Welgert C. 3,014,861.
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Crake, Wilfred S. 2,979,910.
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Datt, Paul L., Warren, and Willoughby. 2,980,849.
David, Vernon W., and Waight. 2,971,913.
De Haan, Simon. 2,967,495.
De La Mare, Harold E., Kochi, and Rust. 3,013,068.
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De Yarnett, Harry W. 3,006,438.
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Dodge, Richard G., and Sagenkahn. 3,008,880.
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Evenhuis, Jakob K., and Zonsveld. 3,014,064.
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Fetterly, Lloyd C. 2,981,765.
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Freeman, Peter K., and Peterson. 2,986,520.
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Griffin, Leonard H., and Sheets. 2,986,551.
Hackmann, Johannes T., and Ten Haken. 2,980,525.
Hammon, Henry G., Clark, and Uttley. 2,994,680.
Hammon, Henry G., Clark, and Uttley. 2,994,681.
Hammon, Henry G., Clark, and Uttley. 2,994,682.
Hartley, James, and Lumb. 2,987,476.
Haward, Robert N. 3,014,887.
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Hearne, George W., and Furman. 2,991,320.
Heinz, Walter E. 3,006,860.
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Hofstede, Marinus J., and Dijkstra. 2,967,515.
Holzman, George, and Madison. 2,981,772.
Hughes, John W. 2,981,425.
Hungerford, Ernest T., and Fay. 3,014,177.
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Klinkenberg, Jan W. 2,982,799.
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Labout, Johan W. A. 3,014,363.
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Landua, Alton J., and Schuren. 2,986,552.
Legator, Marvin. 2,987,475.
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Lusebrink, Theodore R. 3,006,747.
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Magovern, Robert L., Ries, and Breier. 3,006,731.
Marple, Stanley, Jr., Olson, and Bartay. 2,967,817.
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McBeth, Clyde W., and Feichtmeir. 3,005,752.
Mecorney, John W., Gaertner, and Lehmann. 3,003,853.
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Meder, Adrianus J. W., and Kramer. 2,970,979.
Meeker, Robert E., and Luten. 3,012,860.
Meyers, Douglas C. 2,979,946.
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Mika, Thomas F. 3,012,487.
Morales, Juan G. 2,994,710.
Naps, Marguerite. 2,986,546.
Newey, Herbert A. 2,970,983.
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Nixon, Alan C., and Minor. 2,980,519.
Nozaki, Kenzie. 2,991,269.
O'Keeffe, Terence W. W. 3,013,432.
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Reed, Davis W. 2,980,184.
Rethmeier, Karel L. 3,013,539.
Reynolds, Richard J., and Norton. 3,014,889.
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Reynolds, William W., and Low. 3,014,870.
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Shultz, Irving I. 2,982,624.
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Sorem, Stanley S., and Bailey. 2,994,408.
Sprague, Stanley R., and Havely. 2,982,734.
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Stratton, Hal. 2,999,549.
Street, Brian F., and Skoroszewski. 2,981,716.
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Swart, Karel. 2,967,588.
Talley, Samuel K. 2,984,556.
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Van Beest, Adolf C., and Le Nobel. 2,980,606.
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Van der Minne, Johan L., and Hermanie. 3,012,969.
Van Dijck, Willem J. D. 3,005,761.
Van Overbeek, Johannes. 3,013,885.
Van Rossum, Jacobus J., and Hofstede. 2,971,829.
Van Winkle, John L. 3,014,964.
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Vogel, Charles B., and Weiser. 2,974,273.
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Warren, William J., Wixson, and Schneider. 3,006,189.
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Whetstone, Richard R., and Stiles. 2,982,686.
White, Ellis R. 2,967,889.
Williams, Paul H., and Sullivan. 2,980,707.
Winkler, De Loss E., and Nozaki. 2,971,925.
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Wooldridge, James A., and Winter. 3,012,569.
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Shelton, Earl J., Jr., to United States of America, Air Force. Magnetron mode loading. 3,014,152, 12–19–61, Cl. 315—39.61.

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Shelton, George: *See*—
Morganstern, Harold M., Brooks, and Shelton. 2,983,241.

Shelton, Harry J., Jr., to Gruendler Crusher and Pulverizer Co. Grinders. 2,975,985, 3–21–61, Cl. 241—86.

Shelton, John E., and G. W. Shurtleff, to Jersey Production Research Co. Encasement of unconsolidated oil reservoir rock samples. 2,982,704, 5–2–61, Cl. 204—20.

Shelton, Luther L. Fuel injector for fluid pumps for internal combustion engines. 2,991,056, 7–4–61, Cl. 261—50.

Shelton, Marvin, Jr.: *See*—
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Shelton, Ralph. Tobacco leaf stringing apparatus. 3,009,-585, 11–21–61, Cl. 214—5.5.

Shelton, Robert S., 40% to M. R. Shirley. Vapor fuel system. 2,982,528, 5–2–61, Cl. 261—130.

Shelton, William E., to Revenue Stamp Co. Flap unfolding device. 2,982,076, 5–2–61, Cl. 53—381.

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Shenigo, Michael G., to West Virginia Pulp and Paper Co. Apparatus for packaging pallet-mounted bulky objects. 2,969,630, 1–31–61, Cl. 53—138.

Shenigo, Michael G., to West Virginia Pulp and Paper Co. Means for forming paperboard containers. 2,969,719, 1–31–61, Cl. 93—49.

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Shepard, David H., to Intelligent Machines Research Corp. Scanning apparatus. 2,978,590, 4–4–61, Cl. 250—233.

Shepard, David H. Time interval marking apparatus. 2,978,-643, 4–4–61, Cl. 328—63.

Shepard, David H., and P. F. Bargh, to Intelligent Machines Research Corp. Apparatus for checking accuracy of automatic character readings. 3,013,718, 12–19–61, Cl. 235—61.7.

Shepard, David H., and P. F. Bargh, to Intelligent Machines Research Corp. Serial number checking and filling apparatus. 3,013,719, 12–19–61, Cl. 235—61.7.

Shepard, Francis H., Jr. Hammer firing circuit for high speed printer. 2,997,632, 8–22–61, Cl. 317—148.5.

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Holysz, Roman P., Heinzelman, Shepherd, and Seay. 2,987,516.

Shepherd, George R. L.: *See*—
Willson, Dan H., and Shepherd. 2,985,586.

Shepherd, Jack D.: *See*—
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Shepherd, Ridgley G., Jr., to Dennison Mfg. Co. Heat transfers. 2,989,413, 6-20-61, Cl. 117—3.2.
Shepherd, Ridgley G., Jr., to Dennison Mfg. Co. Heat transfer. 2,990,311, 6-27-61, Cl. 154—95.
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Sherman, Kenneth C. Conveyor system for the pit floor of bowling alleys. 2,979,332, 4-11-61, Cl. 273—43.
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Cheney, Charles W. B. 3,008,320.
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Carmack, Marvin, Shew, and Weinstock. 2,990,408.
Carmack, Marvin, Shew, and Weinstock. 2,990,409.
Carmack, Marvin, Shew, and Weinstock. 3,014,914.
Carmack, Marvin, Shew, and Weinstock. 3,014,915.
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Neyhouse, George A., Savage, and Shewmon. 3,003,090.
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Shindledecker, Maurice E., E. F. Branagan, and C. S. Horsman, to United States of America, Navy. Magnetic tremble switch. 2,996,586, 8–15–61, Cl. 200—61.45.
Shindledecker, Maurice E., E. F. Branagan, and C. S. Horsman, to United States of America, Navy. Spring rod tremble switch. 2,997,558, 8–22–61, Cl. 200—61.48.
Shiner, Edward A., and C. J. Brounstein, to Union Carbide Corp. Method for producing cellulosic sausage casings and product. 2,999,756, 9–12–61, Cl. 99—176.
Shiner, Edward A., and C. J. Brounstein, to Union Carbide Corp. Method for producing cellulosic sausage casings and product. 2,999,757, 9–12–61, Cl. 99—176.
Shiner, Robert L. Orthodontia appliance tool. 2,985,962, 5–30–61, Cl. 32—66.
Shingu, Haruo. Preparation of olefin oxides. 2,985,668, 5–23–61, Cl. 260—348.5.
Shinkawa, Terry H.: *See*—
Kawahara, Benjamin A., and Shinkawa. 2,970,375.
Shinkle, Jackson J. Box carrying and closing arrangement. 3,012,706, 12–12–61, Cl. 229—50.
Shinko Denki Kabushiki Kaisha: *See*—
Shiotsu, Hitoshi. 2,986,436.
Shinko Electric Co., Ltd.: *See*—
Yoshikawa, Kameo. 3,007,565.
Shinn, Byron M., and E. Kaiser, to Armour & Co. Method and product for improving the economic value of domestic animals. 3,006,810, 10–31–61, Cl. 167—53.

Shinn, Byron M., E. Kaiser, and J. F. Roland, Jr., to Armour & Co. Method for improving the economic value of poultry. 3,006,811, 10–31–61, Cl. 167—53.1.

Shionogi & Co., Ltd.: *See*—
Chodaira, Osamu. 2,986,571.
Takamizawa, Akira, Tokuyama, Nakajima, Hayashi, and Sato. 2,994,696.

Shionogi Seiyaku Kabushiki Kaisha: *See*—
Takamizawa, Akira, Tokuyama, Nakajima, Hayashi, and Sato. 2,994,696.

Shiotsu, Hitoshi, to Shinko Denki Kabushiki Kaisha. Bearing structure for rotor of high speed motor. 2,986,436, 5–30–61, Cl. 308—227.

Shipe, Paul J., to General Motors Corp. Friction material. 2,992,136, 7–11–61, Cl. 117—132.

Shiplet, Levi F., to Texaco Inc. Deep well cementing apparatus. 3,001,585, 9–26–61, Cl. 166—142.

Shipley, Charles R., Jr., to Shipley Co., Inc. Method of electroless deposition on a substrate and catalyst solution therefor. 3,011,920, 12–5–61, Cl. 117—213.

Shipley, Clifford S.: *See*—
Conor, James E., Jr., and Shipley. 2,989,488.

Shipley Co., Inc.: *See*—
Shipley, Charles R., Jr. 3,011,920.

Shipley, Donald M.: *See*—
Miller, Arthur H., Jr., Dietz, and Shipley. 2,981,152.

Shipley, Eugene E., and D. W. Dudley, to General Electric Co. Flexible coupling with torque-limiting means. 2,975,620, 3–21–61, Cl. 64—9.

Shipley, Joseph D.: *See*—
Datt, Paul L., Shipley, and Warren. 3,004,215.

Shipley, Richard E. Cylindrical strain gauge. 2,976,865, 3–28–61, Cl. 128—2.05.

Shipley, Robert E., to Eli Lilly and Co. Spirometer recording device. 2,999,495, 9–12–61, Cl. 128—2.08.

Shipley, William H.: *See*—
Bellinger, Ronald, Hutchinson, and Shipley. 2,981,422.

Shipman, Carl N., Jr.: *See*—
Rettinger, Michael, and Shipman. 2,986,228.

Shipp, John W., to Athens Plow Co. Disk tiller. 2,985,246, 5–23–61, Cl. 172—316.

Shipton, E., & Co. Ltd.: *See*—
Strong, Bernard. 2,989,776.

Shiraishi, Makoto: *See*—
Matsumoto, Masakazu, and Shiraishi. 2,983,759.

Shirasaka, Makoto: *See*—
Tsuda, Kyosuke, Asai, Iizuka, Tanaka, Nakamura, Okazaki, Shirasaka, and Naito. 2,993,839.

Shire, Ralph J.: *See*—
Haworth, Lionel, and Shire. 2,982,519.
Haworth, Lionel, Shire, and McLean. 2,977,758.

Shirey, Frank W., to Westinghouse Air Brake Co. Fluid compressor motor control apparatus. 2,986,617, 5–30–61, Cl. 200—82.

Shirey, Frank W., to Westinghouse Air Brake Co. Non-seizing hydraulic valve lifter. 2,992,639, 7–18–61, Cl. 123—90.

Shirk, Harold R.: *See*—
Coggeshall, Almy D., and Shirk. 2,980,757.

Shirley, Maurice R.: *See*—
Shelton, Robert S. 2,982,528.

Shirley, William L.: *See*—
Waterman, Logan C., and Shirley. 2,976,228.

Shirriff-Horsey Corp., Ltd.: *See*—
Singleton, Gray. 2,983,377.

Shiu, Thomas B., ¼ to N. A. Cummings, ¼ to T. N. Cummings, and ¼ to B. R. Peterson, Jr. Closing and sealing mechanism. 2,982,074, 5–2–61, Cl. 53—373.

Shive, William, and C. G. Skinner, Jr. Substituted diaminopurines and method of preparing the same. 2,993,048, 7–18–61, Cl. 260—252.

Shive, William, and C. G. Skinner, Jr. O-(3-phenylcarbazyl) serine. 3,000,929, 9–19–61, Cl. 260—472

Shive, William, and C. G. Skinner, Jr. O-carbazyl-DL-serine. 3,005,843, 10–24–61, Cl. 260—482.

Shive, William, and C. G. Skinner, Jr. Hydrazonium salt of N-carbobenzoxy-DL-serine. 3,005,844, 10–24–61, Cl. 260—482.

Shivek, Herbert L., to Eastern Steel Rack Co. Storeroom shelving. 2,991,888, 7–11–61, Cl. 211—147.

Shivek, Herbert L., to Sen-O-Lift Corp. Dispensing apparatus. 3,004,813, 10–17–61, Cl. 312—71.

Shiver, Forrest L., Jr.: *See*—
Shiver, Forrest L., Sr., F. L. Shiver, Jr., and Lester. 3,003,710.

Shiver, Forrest L., Sr., F. L. Shiver, Jr., and R. A. Lester, Jr. Automatic tape playing machine. 3,003,710, 10–10–61, Cl. 242—55.12.

Shlager, Abraham E. Spacing drill. 2,988,934, 6–20–61, Cl. 77—21.

Shlank, William I. Locking cover assembly for electrical wall outlet boxes. 2,987,909, 6–13–61, Cl. 70—168.

Shlesinger, Bernard E., Jr. Vertical drop stapling machine. 2,977,599, 4–4–61, Cl. 1—106.

Shlesinger and Shlesinger: *See*—
Osborn, Gladys B. 3,014,484.

Sho, Koji, to Nippon Kogaku K. K. Combined variable bright frame viewfinder and rangefinder for photographic camera. 3,007,365, 11–7–61, Cl. 88—1.5.

Shoaf, Floyd R. Yarn clamping and cutting means and method for knitting machines. 3,006,173, 10–31–61, Cl. 66—140.

Shoaf, James R., II, to Radio Corp. of America. Stereophonic radio balance and tuning indicator system. 3,009,151, 11–14–61, Cl. 343—205.

Shobe, Owen F.: *See*—
Atwood, Kenneth F., Long, and Shobe. 2,978,424.

Shobert, Samuel M. Apparatus for fabricating reinforced plastic tubing. 2,983,182, 5–9–61, Cl. 87—34.

Shobert, Samuel M. Post for an electric fence. 3,001,765, 9–26–61, Cl. 256—10.

Shobert, Samuel M. Reinforced plastic rods and method of fabricating the same. 3,007,497, 11–7–61, Cl. 138—125.

Shock, D'Arcy A.: *See*—
Allred, Raymond C., Shock, and Sudbury. 2,976,690.

Shockley, William: *See*—
Shockley, William, and Jones. 2,979,386.

Shockley, William. Semiconductor shift register. 2,967,952, 1–10–61, Cl. 307—88.5.

Shockley, William. Semiconductor device and method of making the same. 2,979,427, 4–11–61, Cl. 148—1.5.

Shockley, William. Junction transistor. 2,980,830, 4–18–61, Cl. 317—235.

Shockley, William. Fabrication of semiconductor elements. 2,982,002, 5–2–61, Cl. 29—25.3.

Shockley, William. Method of making a semiconductive switching array. 2,994,121, 8–1–61, Cl. 29—25.3.

Shockley, William. Semiconductive device and method of operating same. 2,997,604, 8–22–61, Cl. 307—88.5.

Shockley, William, and R. N. Noyce; said Noyce assor. to said Shockley. Transistor structure. 2,967,985, 1–10–61, Cl. 317—235.

Shockley, William, and R. V. Jones, to William Shockley. Crystal growing apparatus. 2,979,386, 4–11–61, Cl. 23—273.

Shockroo, James E., and W. H. Moksu, to Texas Instruments Inc. Thermally-responsive switches. 2,996,590, 8–15–61, Cl. 200—122.

Shoe Corp. of America: *See*—
Nacht, George H. 3,009,270.

Shoemaker, Alvin H. Manually operated oscillating disc dry shaver. 2,992,481, 7–18–61, Cl. 30—41.

Shoemaker, Clarence J.: *See*—
Klimkowski, Robert J., and Shoemaker. 2,969,015.

Shoemaker, Clarence J., to A. B. Dick Co. Water base stencil duplicating ink. 2,980,545, 4–18–61, Cl. 106—22.

Shoemaker, James C., to Simplex Forms System, Inc. Tie-wire for concrete forms. 3,010,175, 11–28–61, Cl. 25—131.

Shoemaker, Jesse W., and L. Tuttle, to Warren Brothers Road Co. Pavement and method of making the same. 2,967,466, 1–10–61, Cl. 94—5.

Shoemaker, John V., to Lyon Inc. Wheel cover. 2,973,992, 3–7–61, Cl. 301—37.

Shoemaker, John V., to Lyon Inc. Medallion type wheel cover and method. 2,994,979, 8–8–61, Cl. 40—129.

Shoemaker, John V., to Lyon Inc. Wheel cover. 3,012,821, 12–12–61, Cl. 301—37.

Shoemaker, Milton J., to Research Products Corp. Thickened oil compositions containing alkylene higher fatty acid diamides. 2,971,914, 2–14–61, Cl. 252—51.5.

Shoemaker, Robert F.: *See*—
Franklin, Philip J., Shoemaker, and Tucker. 2,986,660.

Shoemaker, Robert H., and J. A. Faler, to Kolene Corp. Apparatus and method for cleaning metal work pieces. 2,967,530, 1–10–61, Cl. 134—13.

Shoemaker, Robert J., to The National Cash Register Co. Spring hooking machines. 2,971,545, 2–14–61, Cl. 140—103.

Shoemaker, William E., and R. Macdonald, to Koppers Co., Inc. Polymeric compositions. 2,980,640, 4–18–61, Cl. 260—28.5.

Shoffner, Willie M., to The Fogarty Mfg. Co. Table. 2,971,651, 2–14–61, Cl. 211—1.6.

Shoffner, Willie M., to The Fogarty Mfg. Co. Table. 2,971,656, 2–14–61, Cl. 211—141.

Shoffner, Willie M., to The Fogarty Mfg. Co. Check out counter. 2,978,069, 4–4–61, Cl. 186—1.

Sholes, Justin G.: *See*—
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Sholine, John H., and C. C. Cook, to International Minerals & Chemical Corp. Potash ore beneficiation process. 3,002,616, 10–3–61, Cl. 209—2.

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Sholle, Roger W., to Nelson Stud Welding Division of Gregory Industries, Inc. Sheet fastener. 2,983,181, 5–9–61, Cl. 85—36.

Sholtes, Carl E., to Westinghouse Electric Corp. Air conditioning apparatus. 2,974,500, 3–14–61, Cl. 62—428.

Sholtz, Mitchell D. Electrical system for bomb release mechanisms. 2,991,700, 7–11–61, Cl. 89—1.5.

Shomphe, George J.: *See*—
Hayner, Paul F., and Shomphe. 3,000,363.

Shonebarger, Francis J., to General Electric Co. Matrix glass for phosphors. 2,993,001, 7–18–61, Cl. 252—301.6.

Shongut, George: *See*—
Leonard, George H. 3,003,358.

Shonka, Francis R., and E. G. Solecki, to Arthur S. La Pine & Co. Method of encapsulating a magnet with polytetrafluoroethylene. 2,972,784, 2–28–61, Cl. 18—59.

Shonka, Francis R., J. E. Rose, and G. Failla, to United States of America, Atomic Energy Commission. Method of using and manufacturing plastic equivalent to organic materials. 3,005,794, 10–24–61, Cl. 260—37.

Shonnard, John R., to Westrex Corp. Tuning fork oscillator having separate magnetostrictive and magnetomotive controls. 2,979,673, 4–11–61, Cl. 331—157.

Shook, Alvin L. Fishing rigs. 2,998,669, 9–5–61, Cl. 43—43.4.
Shook, Austen M., to Texaco Inc. Underground storage. 2,986,007, 5–30–61, Cl. 61—.5.
Shook, Carl G., to General Dynamics Corp. Electronic rate marker. 3,007,004, 10–31–61, Cl. 179—9.
Shook, William M., to The Warner & Swasey Co. Hydraulic control systems. 2,979,908, 4–18–61, Cl. 60—97.
Shoor, Bernard A., to Endevco Corp. Testing equipment and insulated mounting stud therefor. 2,972,006, 2–14–61, Cl. 174—138.
Shope, Claude A., to Phillips Petroleum Co. Solid propellant rocket motor. 2,988,877, 6–20–61, Cl. 60—35.6.
Shor, Floyd W.: *See*—
Netherwood, Paul H., Laliberte, and Shor. 2,997,414.
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Shore, Cyril: *See*—
Evans, Arthur W., and Shore. 3,009,777.
Shore, Harvey G., to Radio Corp. of America. Pulse width modulator. 2,998,578, 8–29–61, Cl. 332—9.
Shore, Joseph. Dental preparation. 3,004,897, 10–17–61, Cl. 167—93.
Shore, Philip: *See*—
Plotkin, Frederic P., and Shore. 3,008,659.
Short, Brooks H., to General Motors Corp. Ignition system. 2,977,507. 3–28–61, Cl. 315—209.
Short, Brooks H., to General Motors Corp. Electronic ignition. 2,980,093, 4–18–61, Cl. 123—148.
Short, Brooks H., to General Motors Corp. Ignition system. 2,980,822, 4–18–61, Cl. 315—180.
Short, Brooks H., to General Motors Corp. Low voltage electric ignition system. 2,980,823, 4–18–61, Cl. 315—180.
Short, Brooks H., and R. L. Sprague, to General Motors Corp. Electronic ignition system. 2,977,506. 3–28–61, Cl. 315—183.
Short, Brooks H., and R. E. Johnson, to General Motors Corp. Thermally actuated circuit controller. 3,015,009, 12–26–61, Cl. 200—138.
Short Brothers and Harland Ltd.: *See*—
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McFadden, Maurice H. 2,983,880.
Montgomery, Ronald. 3,001,740.
Moss, Gerard, and Lundy. 3,011,405.
Ransom, Richard S. 2,984,113.
Ransom, Richard S., and Dunn. 3,012,439.
Ransom, Richard S., and Finnigan. 2,972,456.
Ransom, Richard S., and Wilson. 3,014,411.
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Short, Franklin W., and E. F. Elslager, to Parke, Davis & Co. Salt of piperazine and 2,4,5-trichlorophenol. 2,980,681, 4–18–61, Cl. 260—268.
Short, Harold O.: *See*—
Riley, Robert H., Jr., and Short. 2,995,960.
Short, Herbert D., to Canada Wire and Cable Co. Ltd. Composite plastic protective covering for power cables. 2,986,486, 5–30–61, Cl. 154—2.27.
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Ferrari, Charles G. 2,970,915.
Ferrari, Charles G. 2,971,845.
Ferrari, Charles G. 2,978,330.
Ferrari, Charles G. 2,978,331.
Ferrari, Charles G. 2,978,332.
Ferrari, Charles G. 2,992,111.
Ferrari, Charles G. 3,006,765.
Ferrari, Charles G., and Higashiuchi. 2,992,922.
Ferrari, Charles G., and Higashiuchi. 2,992,923.
Short, James N., and J. E. Pritchard, to Phillips Petroleum Co. Blends of ethylene polymers and a hydrogenated polybutadiene. 2,997,453. 8–22–61, Cl. 260—45.5.
Short, James N., and R. C. Farrar, to Phillips Petroleum Co. Polymerization of conjugated dienes with polynuclear hydrocarbons as polymerization promoters. 2,999,089, 9–5–61, Cl. 260—94.3.
Short, Jesse L., to Mid-America Highway Express, Inc. Livestock carrier. 2,970,861, 2–7–61, Cl. 296—24.
Short, Joe T., to Callaway Mills Co. Collapsible holder for mops. 2,967,320, 1–10–61, Cl. 15—147.
Short, Lot W., to Drilling & Service, Inc. Abrading element inset bit having improved circulating characteristics. 2,990,897, 7–4–61, Cl. 175—330.
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Short, Walter W.: *See*—
Hesser, Earl D., and Short. 2,989,880.
Shortt, Hubert L., and J. B. Langton, to Technograph Printed Electronics Inc. Printed circuit component and a method of manufacturing same. 3,002,260, 10–3–61, Cl. 29—155.5.
Shotts, Adolph C., and A. H. Stephan, to Cities Service Research and Development Co. Oxidation of olefins to unsaturated aldehydes. 3,009,960, 11–21–61, Cl. 260—604.
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Shouldice, D'Arcy V. Underwater brush. 3,003,168, 10–10–61, Cl. 15—1.7.
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Shoup Voting Machine Corp., The: *See*—
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Showalter, Albert E., to United States of America, Navy. Reverse rotation multi-position selector switch. 2,969,441, 1–24–61, Cl. 200—65.
Showalter, Albert E., to United States of America, Navy. Push button and indicator. 2,977,428, 3–28–61, Cl. 200—5.
Showalter, Albert E., to United States of America, Navy. Peripheral impedance control. 2,986,705, 5–30–61, Cl. 330—65.
Showalter, Frank W., to Kimberly-Clark Corp. Knurled strip adhesive applying device. 3,006,317, 10–21–61, Cl. 118—212.
Showalter, Robert N., L. B. De Long, and G. E. Suderow, to De Long Corp. Method of operating marine atructures. 2,976,693, 3–28–61, Cl. 61—46.5.
Showell, Herbert A., and C. W. M. Barrow, to Siemens Edison Swan Ltd. Magneto-strictive delay lines. 3,009,135, 11–14–61, Cl. 340—173.
Showers, Garth A. Bowling ball handle. 2,996,299, 8–15–61, Cl. 273—64.
Showker, Lucille G. and R. S., to J. Q. Harrison. Chocks. 2,992,704, 7–18–61, Cl. 188—32.
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Shrader, Merrald B., F. G. Block, and M. R. Weingarten, to Radio Corp. of America. Art of fabricating electron tubes. 2,980,984, 4–25–61, Cl. 29—25.14.
Shrader, Terry M., to Radio Corp. of America. Shockproof mount. 2,991,390, 7–4–61, Cl. 313—254.
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Shramo, Daniel J.: *See*—
Stiglic, Paul M., and Shramo. 2,977,968.
Shreckengost, Raymond C., to United States of America, Navy. Radar system. 2,995,740, 8–8–61, Cl. 343—7.
Shrewsbury, Raymond W., D. N. Anderson, and W. E. Sohl, to Minnesota Mining and Mfg. Co. Article incorporating concealed information therewithin. 3,001,886, 9–26–61, Cl. 117—1.
Shrewsbury, Robert S. Holding device. 2,992,741, 7–18–61, Cl. 211—13.
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Shriro, Morris A.: *See*—
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Shuck, William B. Fuel cooling device. 2,994,311, 8–1–61, Cl. 123—119.
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Shuler, Harry V. Bait container. 3,006,106, 10–31–61, Cl. 43—55.
Shulgin, Alexander T., to The Dow Chemical Co. Schiff base carbamates. 2,997,498, 8–22–61, Cl. 260—479.
Shulgin, Alexander T., to The Dow Chemical Co. Schiff base carbamates. 3,012,068, 12–5–61, Cl. 260—482.
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Shultz, James H., and C. G. Zike, to The Richardson Co. Aminated silicon products from halosilicates. 2,970,969, 2–7–61, Cl. 260—2.

Shultz, Lowell D. Campers combined pack, hammock and sleeping bag. 2,971,205, 2–14–61, Cl. 5—343.

Shultz, Walter, to Jones and Lamson Machine Co. Hydraulic servo drive system for machine tool elements and the like. 2,994,304, 8–1–61, Cl. 121—41.

Shulz, Jack S., to Eastman Oil Well Survey Co. Drilling recording chart holder. 2,970,879, 2–7–61, Cl. 346—138.

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Shumaker, John F. Plastic sidewalk. 2,994,254, 8–1–61, Cl. 94—26.

Shumaker, Lawrence E., and S. E. Hill, to The Eversman Mfg. Co. Earth scraper and carrier. 2,994,975, 8–8–61, Cl. 37—126.

Shumaker, Lawrence E., and S. E. Hill, to Eversman Mfg. Co. Land leveling attachment for tractors. 2,994,977, 8–8–61, Cl. 37—153.

Shuman, Everett C., to Owens-Corning Fiberglas Corp. Mold expansion and contraction compensating device. 2,978,781, 4–11–61, Cl. 25—121.

Shumard, Charles C., to Radio Corp. of America. Automatic alignment system. 2,978,646, 4–4–61, Cl. 330—2.

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Shunk, Clifford H., and J. W. Richter, to Merck & Co., Inc. Process for the preparation of "active methionine" and products obtained thereby. 2,969,353, 1–24–61, Cl. 260—211.5.

Shunk, Clifford H., B. O. Linn, and K. A. Folkers, to Merck & Co., Inc. Process of producing mevalonic acid and its intermediates. 3,014,963, 12–26–61, Cl. 260—535.

Shupe, William F., 25% to M. Hash. Two truck safety light. 2,975,401, 3–14–61, Cl. 340—84.

Shupe, William F., 25% to M. Hash. Differential removal fixture arrangement. 3,012,311, 12–12–61, Cl. 29—200.

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Shurtleff, George W.: *See*—
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Shuter, William M. Hanger. 2,999,661, 9–12–61, Cl. 248—62.

Shutrits, Joseph P. Weedless fishing lure. 2,991,580, 7–11–61, Cl. 43—42.41.

Shutt, Milo, to The Union Industrial Co., Division of Alliance Machine Co. Parking and handling devices. 3,011,660, 12–5–61, Cl. 214—16.1.

Shuttleworth, Edwin C., and K. Hamilton, to Mohasco Industries, Inc. Method and apparatus for the production of paper yarn. 3,012,393, 12–12–61, Cl. 57—32.

Shuttleworth, Norman H., to Marston Excelsior Ltd. Fractionating apparatus. 2,983,495, 5–9–61, Cl. 261—112.

Shutts, Leroy W., to General Motors Corp. Combustion chamber crossover tube. 3,001,366, 9–26–61, Cl. 60—39.82.

Shutts, Leroy W., to General Motors Corp. Combustion liner locater. 3,007,312, 11–7–61, Cl. 60—39.82.

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Donald, James. 2,967,418.
Shwayder, Jesse and K. D., and King. 2,981,579.

Shwayder, Jesse and K. D., and M. M. King, to Shwayder Bros., Inc. Top for folding tables and the like. 2,981,579, 4–25–61, Cl. 311—106.

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Shyhalla, Nicholas, and R. J. Blum, to United States of America, Navy. Direction-finding antenna. 2,995,752, 8–8–61, Cl. 343—114.

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Shyne, James J., to United States of America, Atomic Energy Commission. Method of impregnating uranium in graphite. 2,969,294, 1–24–61, Cl. 117—65.

Shyne, Maurice W., and J. R. Cataldi. Emergency air brake equipment. 2,998,997, 9–5–61, Cl. 303—9.

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Sias, Roy C., to Continental Oil Co. Method of preparing a stable dispersion of an inorganic compound in a lubricating oil. 3,012,965, 12–12–61, Cl. 252—33.

Sibbald, Frederick R., to The Hoover Co. Domestic laundry machine. 3,010,617, 11–28–61, Cl. 222—383.

Sibert, Merle E., to Horizons Titanium Corp. Production of titanium. 2,974,092, 3–7–61, Cl. 204—64.

Sibille, René, to Papeteries Rene Sibille. Supporting tube for textile threads. 2,982,493, 5–2–61, Cl. 242—118.2.

Sibille, René, to Papeteries Rene Sibille. Bi-conical support tube for textile threads. 2,997,252, 8–22–61, Cl. 242—118.3.

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Sich, John A., Jr. Spinning lure. 2,999,330, 9–12–61, Cl. 43—42.2.

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Sick, Charles D. Shield. 2,975,427, 3–21–61, Cl. 2—14.

Sick, Erwin. Photoelectric apparatus. 2,971,695, 2–14–61, Cl. 235—92.

Sick, Erwin. Photoelectric control system, in particular for identity mark control. 2,987,954, 6–13–61, Cl. 88—14.

Sickbert, Adolf: *See*—
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Sickel, Helmut. Apparatus for the mechanical separation of a part from a rod or tube like work piece. 3,003,285, 10–10–61, Cl. 49—7.

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Sickman, Darrell V., to United States of America, Navy. Certain 4(nitroalkyl)-3,5-dinitro-1,2,4-triazoles. 2,987,520, 6–6–61, Cl. 260—308.

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Sidelman, Abe, to Delamere Co., Inc. Light weight hair retaining fine tooth metal comb. 2,984,248, 5–16–61, Cl. 132—158.

Sidener, Joseph F. Internal combustion engine carburetor attachment. 2,988,341, 6–13–61, Cl. 261—16.

Sider, Edward O., ½ to Container Corp. of America. Center sealed package. 3,011,631, 12–5–61, Cl. 206—60.

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Sides, Raymond M. Grocery carts. 2,992,010, 7–11–61, Cl. 280—33.99.

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Sidwell, Clarence W., to United States Steel Corp. Method and apparatus for heating ingots. 2,983,499, 5–9–61, Cl. 263—15.

Siehentritt, Frank H., P. E. Gamble, and W. B. Imbriani, to Union Carbide Corp. Process for producing phenol. 2,988,573, 6–13–61, Cl. 260—629.

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Siebke, Carl O., to Miller Printing Machinery Co. Anti-friction eccentric journaling mounting for rotatable member. 2,986,086, 5–30–61, Cl. 101—218.
Siebke, Carl O., to Miller Printing Machinery Co. Gripper mechanism. 2,997,157, 8–22–61, Cl. 198—180.
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Siegel, Floyd G., to Hewlett-Packard Co. Oscilloscope sweep circuit having an adjustable expanded sweep. 3,010,070, 11–21–61, Cl. 328—185.
Siegel, Joel R., to Esso Research and Engineering Co. Hydrocarbon oils having improved water tolerance. 3,008,813, 11–14–61, Cl. 44—62.
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Siegel, Jerome F., to Fairchild Camera and Instrument Corp. Intensification circuit for a cathode ray tube beam. 2,989,703, 6–20–61, Cl. 328—196.
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Siegel, Moses, and A. Honigman, to United States of America, Navy. Missile launcher air eject system—power plant and control system. 2,989,899, 6–27–61, Cl. 89—1.7.
Siegel, Peter, to Joh. Kleinewefers, Sohne. Steam and hot water heating device for calender rollers. 3,006,610, 10–31–61, Cl. 257—95.
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Siegler, Edouard H., Jr., to The Perkin-Elmer Corp. Method of manufacture of adjustable optical slits. 2,994,950, 8–8–61, Cl. 29—434.
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Duennenberger, Max, Siegrist, and Maeder. 2,995,564.
Siegrist, Adolf E., to Ciba Ltd. Process for the manufacture of di-imidazole derivatives. 2,993,043, 7–18–61, Cl. 260—240.
Siegrist, Adolf E., M. Duennenberger, and W. Grubenmann, to Ciba Ltd. Method of optically brightening organic materials and preparations therefor. 2,986,528, 5–30–61, Cl. 252—301.2.
Siegrist, Adolf E., and F. Ackermann, to Ciba Ltd. New and useful malic acid diamide-compounds and process for their manufacture. 2,995,605, 8–8–61, Cl. 260—562.
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Flood, John E. 3,009,019.
Kinsey, Ronald W. S. 3,001,028.
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Filberich, Ludwig. 2,999,961.
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Siemssen, Georg G., and W. Goetze, to Elastic A.G. vormals M. Vogel A.G. Staple feed for stapling machines. 2,993,207, 7–25–61, Cl. 1—3.

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Thielemann, Rudolf H. 2,974,037.
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Siggins, George. Feed hopper and dispensing device. 2,997,981, 8–29–61, Cl. 119—55.

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Sigman Chemical Co.: *See*—
Broida, Dan, and Berger. 2,996,436.

Sigmund Pumps Ltd.: *See*—
Stepnica, Vladimir. 2,994,275.

Signal Mfg. Co.: *See*—
Harrison, Robert G., and Manning. 2,990,979.
Smith, Aaron H. 2,972,155.

Signal Oil and Gas Co.: *See*—
Thomas, Gerald B. 2,969,841.

Signal-Stat Corp.: *See*—
Grontkowski, Raymond B. 3,002,127.
Hollins, Jesse R. 2,996,698.
Welsh, James W. 3,011,037.

Signode Steel Strapping Co.: *See*—
Meier, William A. 2,996,939.

Signouret, Jean B.: *See*—
Tirtiaux, Robert, and Signouret. 2,978,423.
Tirtiaux, Robert, and Signouret. 3,001,980.

Signouret, Jean-Baptiste, and R. Tirtiaux, to Esso Standard Societe Anonyme Francaise. Lubricant compositions. 2,992,184, 7–11–61, Cl. 252—46.6.

Signouret, Jean-Baptiste, and R. Tirtiaux, to Esso Standard Societe Anonyme Francaise. Lubricating oil additives. 3,010,906, 11–28–61, Cl. 252—56.

Sigoda, Victor J., to Man-Sew Corp. Compound stitching device. 2,973,731, 3–7–61, Cl. 112—162.

Sigoda, Victor J., to Man-Saw Corp. Strip metering device for multiple row ruffle sewing machine. 3,000,332, 9–19–61, Cl. 112—132.

Sigvardsson, Bejron K. G., to General Motors Corp. Electrostatic coating apparatus with rotary impeller. 3,001,719, 9–26–61, Cl. 239—15.

Sigworth, Harrison W., and M. R. Barusch, to California Research Corp. Gasoline composition. 2,995,427, 8–8–61, Cl. 44—53.

Sihn, Wilhelm, Jr., K.G.: *See*—
Langheck, Richard. 2,969,133.

Sik, Sigmund L. Tunnel boring machine having oppositely rotating tool holders on a rotating carrier. 3,004,753, 10–17–61, Cl. 262—7.

Sikora, Stephen J.: *See*—
Guarino, Louis S., and Sikora. 3,008,670.

Sikorra, Daniel J., to Minneapolis-Honeywell Regulator Co. Electrically operated indicating devices. 2,968,805, 1–17–61, Cl. 340—316.

Sikorra, Daniel J., to Minneapolis-Honeywell Regulator Co. Servosystem with tach generator damper. 3,001,117, 9–19–61, Cl. 318—448.

Sikula, Andrew. Control valve. 2,986,168, 5–30–61, Cl. 137—627.5.

Silas, Cecil J., and J. N. Scott, Jr., to Phillips Petroleum Co. Dispersing solid additives in plastics. 2,999,274, 9–12–61, Cl. 18—30.

Silavent Ltd.: *See*—
Belcher, Basil J. S. 3,003,157.

Silberbach, Richard, to Motorola, Inc. Amplifier circuit. 2,972,114, 2–14–61, Cl. 330—15.

Silberbach, Richard, and P. Kapteyn, to Motorola, Inc. Electronic tachometer. 2,983,868, 5–9–61, Cl. 324—70.

Silberman, David, to Placket Closing Corp. of America. Sewing machine presser foot. 3,002,477, 10–3–61, Cl. 112—235.

Silberman, Waclav. Liquid washing composition. 2,979,466, 4–11–61, Cl. 252—138.

Silbert, Eileen: *See*—
Stearne, Willard F., and Bright. 3,000,011.

Silentbloc Ltd.: *See*—
Hutton, Philip C. 2,993,715.

Silent Glow Oil Burner Corp., The: *See*—
Sherman, Rallston M. 2,994,367.
Sherman, Rallston M. 2,994,520.

Siler, Joseph T. Method and apparatus for attaching juxtaposed members. 3,006,443, 10–31–61, Cl. 189—36.

Siletti, Romeo. Lady's bag. 2,984,278, 5–16–61, Cl. 150—35.

Silex Corp., The: *See*—
Christie, John S. 2,979,066.

Silhavy, Raymond J., to Oak Mfg. Co. Bidirectional stepping motor servosystem. 2,972,093, 2–14–61, Cl. 318—19.

Silin, Jacob. Combination jacket and school bag. 2,970,316, 2–7–61, Cl. 2—94.

Silk, Charles E., to Olin Mathieson Chemical Corp. Purification of nitrocellulose. 2,970,996, 2–7–61, Cl. 260—223.

Silk, Harry: *See*—
Bitner, Forrest G., and Silk. 2,974,593.

Silks, Walter, to Goodman Mfg. Co. Chain tensioning device for continuous miner. 2,982,529, 5–2–61, Cl. 262—7.

Sillars, Frederick S.: *See*—
Baker, Corwin W., and Sillars. 3,008,108.

Sillars, Frederick S., to Campbell Soup Co. Method and apparatus for soldering cans. 3,000,338, 9–19–61, Cl. 113—60.

Sillars, Frederick S., and R. E. Fredericksen, to United Shoe Machinery Corp. Fastener inserting tools. 3,012,247, 12–12–61, Cl. 1—46.

Sillers, Donald A., Jr. Gas cleaning apparatus. 2,973,056, 2–28–61, Cl. 183—10.

Sills, Hubert R., to Canadian General Electric Co., Ltd. Dynamoelectric machine. 2,994,793, 8–1–61, Cl. 310—61.

Silsby, Christopher C., Jr.: *See*—
Baker, Jose C., Silsby, Venable, and Wiesner. 2,987,-463.

Silsby, Stanley D., to United States of America, Army. Controlled burst firing mechanism. 3,010,870, 11–28–61, Cl. 89—129.

Siltamaki, Robert W.: *See*—
Benkovsky, Francis V., Siltamaki, and Morris. 2,992,568.

Silva, Anthony R.: *See*—
McGihon, Leonard. 2,982,072.

Silva, Vernon G. Dry away towel rack. 2,971,266, 2–14–61, Cl. 34—151.

Silver, Alexander: *See*—
Abrams, Edward F., and Silver. 2,981,515.
Rowlett, Beb H., and Silver. 2,980,394.

Silver, Bernard, to Electro-Nite Engineering Co. Expandable thermocouple. 2,993,944, 7–25–61, Cl. 136—4.

Silver, Bernard, to Electro-Nite Engineering Co. Thermocouple. 3,011,005, 11–28–61, Cl. 136—4.

Silver, Bernard R., and H. W. Umlandt; said Silver assor. to Rau Fastener Co., and said Umlandt assor. to Automatic Button Co. Snap fastener construction. 2,986,790, 6–6–61, Cl. 24—95.

Silver, Derrick J., to Mentmore Mfg. Co. Ltd. Fountain pens. 2,983,254, 5–9–61, Cl. 120—50.

Silver Engineering Works, Inc.: *See*—
Silver, Harold F., Steele, Wright, and Price. 2,976,550.

Silver, Harold F., C. R. Steele, J. C. Wright, and F. B. Price, to Silver Engineering Works, Inc. Grab-roll screen. 2,976,550, 3–28–61, Cl. 15—3.11.

Silver, Herbert: *See*—
Karlan, Mac, and Silver. 3,013,917.

Silver, John F., to The James Knights Co. Crystal assembly. 3,006,711, 10–31–61, Cl. 346—8.1.

Silver, Julian, and D. A. Pugliese. Automatically-operated vehicle parking brake. 3,000,459, 9–19–61, Cl. 180—82.

Silver, Leon T.: *See*—
McKinney, Charles R., and Silver. 3,000,217.

Silver, Meyer, D. F. Herdman, and W. F. Hassel, to United States of America, Navy. Fuze arming device. 2,994,271, 8–1–61, Cl. 102—70.2.

Silver, Roger C.: *See*—
De Puydt, Frank A., and Silver. 2,973,839.

Silver, Samuel. Adjustable eyelet-collar pins. 3,005,204, 10–24–61, Cl. 2—132.

Silver, Stan M. Metered dispensing carton for semi-free-flowing and free flowing comminuted and granular solids. 2,996,224, 8–15–61, Cl. 222—455.

Silver, Walter H., and W. V. Lohrman, to Deere & Co. Floating hitch device. 2,971,591, 2–14–61, Cl. 172—444.

Silver, Walter H., and R. E. Cox, to Deere & Co. Front mounted bedder. 2,974,736, 3–14–61, Cl. 172—298.

Silver, Walter H., and O. W. Oerman, to Deere & Co. Hitch device. 2,998,989, 9–5–61, Cl. 287—62.

Silver, Walter H., and B. B Johannsen, to Deere & Co. Plow reversible by vane type hydraulic motor. 3,007,531, 11–7–61, Cl. 172—225.

Silverberg, Carl G., to American Optical Co. Method of making fused glass articles. 2,992,518, 7–18–61, Cl. 49—82.1.

Silverberg, Morton, to Radio Corp. of America. Controlled phase shift oscillator. 3,012,207, 12–5–61, Cl. 331—137.

Silverman, Daniel: *See*—
Eisler, Joseph D., Hadley, Lang, and Silverman. 3,011,145.

Silverman, Elsie B. Portable bookrest. 2,971,733, 2–14–61, Cl. 248—37.

Silverman, Hyman P. Automobile hanger bracket. 3,002,666, 10–3–61, Cl. 224—42.45.

Silverman, Irving. Biopsy device. 3,001,522, 9–26–61, Cl. 128—2.

Silverman, Jack J. Technique for making shoes. 2,973,529, 3–7–61, Cl. 12—142.

Silverman, Jerome H., to Thompson Ramo Wooldridge Inc. Ionic brush. 2,978,600, 4–4–61, Cl. 310—232.

Silverman, Jerome M., and A. Brill, said Brill assor. to Silverman. Bed frame. 3,004,265, 10–17–61, Cl. 5—176.

Silverman, Leslie, to United States of America, Atomic Energy Commission. Method of removing iodine from gases and filter medium therefor. 2,994,577, 8–1–61, Cl. 23—2.

Silverman, Leslie, and D. M. Anderson, to United States of America, Atomic Energy Commission. Electrostatic air cleaning device and method. 2,992,700, 7–18–61, Cl. 183—7.

Silverman, Louis, R. A. Sallach, and R. L. Seitz, to North American Aviation, Inc. Homogeneous nuclear reactor fuel composition. 2,978,399, 4–4–61, Cl. 204—193.2.

Silverman, Milton: *See*—
Ramey, David E., and Silverman. 3,006,954.
Ramey, David E., and Silverman. 3,006,808.
Stiles, Alan R., and Silverman. 3,014,838.

Silverman, Milton, to Shell Oil Co. Bromine-containing organo phosphate. 3,005,841, 10–24–61, Cl. 260—461.

Silverman, Robert M., to McGraw-Edison Co. Dictating machine. 2,969,242, 1–24–61, Cl. 274—46.

Silverman, Robert M., to McGraw-Edison Co. Carriage control mechanism for phonographs. 2,976,048, 3–21–61, Cl. 274—13.

Silverman, Rudolph J. Chair bracket. 3,000,669, 9–19–61, Cl. 297—451.

Silverman, Rudolph J. Furniture bracket. 3,000,679, 9–19–61, Cl. 311—105.

Silverman, Stephen M., and L. W. Throndson, to North American Aviation, Inc. Aircraft air inlet system. 2,971,331, 2–14–61, Cl. 60—35.6.

Silvernail, Lloyd H.: *See*—
Stilbert, Elmer K., Zembal, and Silvernail. 2,972,560

Silvernail, Lloyd H., and M. W. Zembal, to The Dow Chemical Co. Electroconductive coated paper and method of making the same. 3,011,918, 12–5–61, Cl. 117—201.

Silvers, Jerry J.: *See*—
Rosenblatt, Leonard and A., and Silvers, and Vossbrink. 2,981,829.

Silverschotz, Stanford B., to International Telephone and Telegraph Corp. Printed circuit distributor. 2,997,552, 8–22–61, Cl. 200—24.

Silverschotz, Stanford B., and E. Jorow, to International Telephone and Telegraph Corp. Density sensing device. 2,978,909, 4–11–61, Cl. 73—438.

Silversher, Herman I.: *See*—
Barnes, James F., and Silversher. 3,006,113.
Barnes, James F., and Silversher. 3,011,933.

Silverstone, Joseph, and R. S. Smith, to P. Frankenstein & Sons (Manchester) Ltd. and J. Silverstone. Personal sanitary conveniences. 2,976,869, 3–28–61, Cl. 128—295.

Silveston, Peter L.: *See*—
Jahnig, Charles E., and Silveston. 2,971,823.
Jahnig, Charles E., Silveston, and Tyson. 2,982,622.

Silvey, Gene A.: *See*—
Lyons, Vincent J., Silvey, and Turner. 2,997,590.

Silvey, John O., to International Telephone and Telegraph Corp. Television receiver with ultra high frequency cavity tuner inside very high frequency turret tuner. 2,989,627, 6–20–61, Cl. 250—20.

Silvey, John O., to International Telephone and Telegraph Corp. Television receiver with ultra high frequency cavity tuner inside very high frequency turret tuner. 2,997,582, 8–22–61, Cl. 250—20.

Silye, Joseph P. Tent shelter. 2,967,534, 1–10–61, Cl. 135—4.

Sim, Alan C., to International Standard Electric Corp. Semiconductor devices. 2,985,807, 5–23–61, Cl. 317—236.

Sim, Gordon, to Teletype Corp. Non-interfering tape feed-out mechanism. 2,969,432, 1–24–61, Cl. 178—92.

Sim, Gordon, to Teletype Corp. Back space device. 3,013,-716, 12–19–61, Cl. 234—129.

Sima, Florence B.: *See*—
Sima, George A. 2,985,457.

Sima, George A., ½ to H. Cramer and ½ to F. B. Sima, by decree of distribution. Tool holder. 2,985,457, 5–23–61, Cl. 279—93.

Siman, Alfred W., and W. A. V. Thomsen, to Specialties Development Corp. Pneumatic pressure switch. 2,990,852, 7–4–61, Cl. 137—620.

Simanek, Edward J., to American Steel Foundries. Tread brake arrangement. 2,994,409, 8–1–61, Cl. 188—52.

Simard, Roger: *See*—
Thunaes, Arvid, Brown, Rabbitts, Simard, and Herbst. 2,992,887.

Simco Co., The: *See*—
Schweriner, Harold. 2,982,159.

Simek, Jiri. Optical vibrometer. 2,984,110, 5–16–61, Cl. 73—464.

Simendinger, Joseph A. Contact wheels. 2,977,725, 4–4–61, Cl. 51—141.

Simens, Hugo G., to United Aircraft Corp. Specimen holder for radioactive samples. 2,992,726, 7–18–61, Cl. 206—1.

Simerl, Linton E., to Olin Mathieson Chemical Corp. Coating process. 2,969,291, 1–24–61, Cl. 99—171.

Simerson, Richard A.: *See*—
Sievert, Alvin P., and Simerson. 2,997,938.

Simeti, Samuel, and J. Vitkevich. Mop. 2,976,553, 3–28–61, Cl. 15—147.

Simich, Emil: *See*—
Wognum, James N., Moody, and Simich. 3,006,401.

Simich, Emil, R. A. Moody, and J. N. Wognum, to Acme Steel Co. Method of and apparatus for removing camber from metal strips. 2,984,285, 5–16–61, Cl. 153—86.

Simjian, Luther G. Method and apparatus for compartmentizing and storing an article. 2,971,303, 2–14–61, Cl. 53—28.

Simjian, Luther G. Receptacle for depository apparatus. 2,981,492, 4–25–61, Cl. 242—67.3.

Simjian, Luther G., to Reflectone Electronics, Inc. Game apparatus. 2,988,364, 6–13–61, Cl. 273—185.

Simjian, Luther G., to Reflectone Electronics, Inc. Training device for motor vehicle operators. 3,013,343, 12–19–61, Cl. 35—11.

Simjian, Luther G., to Reflectone Electronics, Inc. Vehicular training device. 3,013,344, 12–19–61, Cl. 35—11.

Simjian, Luther G., to Reflectone Electronics, Inc. Vehicle driver training device. 3,013,345, 12–19–61, Cl. 35—11.

Simkins, Quinton W., to Bell Telephone Laboratories, Inc. Nonlinear terminating networks. Re. 25,002, 6–20–61, Cl. 307—106.

Simkovich, John R., to International Telephone and Telegraph Corp. Radial resonant cavities. 3,013,230, 12–12–61, Cl. 333—83.

Simm, Clarke N., to California Research Corp. Method for detecting fluid flow in or near a well bore. 2,977,792, 4–4–61, Cl. 73—155.

Simm, Clarke N., to California Research Corp. Methods for detecting fluid flow in a well bore. 3,011,342, 12–5–61, Cl. 73—155.

Simmerman, Richard C., M. T. Roudebush, and W. L. Moyer, to The National Cash Register Co. Punching apparatus. 3,001,694, 9–26–61, Cl. 234—110.

Simmler, Walter: *See*—
Schnürrbusch, Karl, Simmler, and Noll. 3,012,051.

Simmler, Walter, to Farbenfabriken Bayer Aktiengesellschaft. Trialkylsiloxanes and their production. 3,012,052, 12–5–61, Cl. 260—448.2.

Simmonds Aerocessories, Inc.: *See*—
Prigozy, Stephen. 2,976,727.

Simmonds Aerocessories Ltd.: *See*—
Abberley, John C., and Beech. 2,984,270.
Booth, Christopher H. 2,982,005.
Booth, Christopher H. 2,982,006.
Hall, Godfrey N. 3,008,217.
Oxford, Leonard G. 3,000,077.
Oxford, Leonard G., and Booth. 2,984,892.

Simmonds, Harold F., Jr., to Westinghouse Electric Corp. Refrigeration apparatus. 2,992,546, 7–18–61, Cl. 62—523.

Simmonds Precision Products, Inc.: *See*—
Morris, John N., and McCaul. 2,967,520.
Morris, John N., and Truax. 3,008,653.
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Smith, Albert H. 2,998,559.

Simmons, Anthony T. F.: *See*—
Saunders, Ronald A., Simmons, and Snell. 3,001,745.

Simmons, Charles M.: *See*—
Bucy, Billy J., and Simmons. 2,981,335.

Simmons Co.: *See*—
Blecker, Raymond H. 2,978,715.
Blecker, Raymond H. 3,004,266.
Lawrence, Parker V., and Seifert. 2,974,718.

Simmons, Donald M., Jr.: *See*—
Norris, Scott A., Jr., and Simmons. 2,983,450.

Simmons, Edward C., and R. R. Smith, to General Motors Corp. Refrigerating apparatus. 3,013,399, 12–19–61, Cl. 62—151.

Simmons, Gordon. System for controlling operation of a plurality of functionally related elements. 3,012,156, 12–5–61, Cl. 307—116.

Simmons, Harold C., to Dowty Hydraulic Units Ltd. Hydraulic shock absorbers. 2,985,319, 5–23–61, Cl. 213—45.

Simmons, Harold T., to P. R. Mallory & Co., Inc. Push button timer. 3,015,003, 12–26–61, Cl. 200—38.

Simmons, Howard E., Jr., to E. I. du Pont de Nemours and Co. 2-haloimino-1,3-dioxolanes and method of production. 2,972,620, 2–21–61, Cl. 260—340.9.

Simmons, Howard E., Jr., to E. I. du Pont de Nemours and Co. Preparation of α-hydroxy-aliphatic amides. 3,008,991, 11–14–61, Cl. 260—561.

Simmons, James E.: *See*—
Pogue, Albert, and Simmons. 2,997,796.

Simmons, James F. Bowling alley sander and waxer. 2,978,721, 4–11–61, Cl. 15—98.

Simmons, Malcolm J., and J. E. Hauser, said Simmons assor. to J. E. Hauser. Grease cup. 2,985,256, 5–23–61, Cl. 184—65.

Simmons, Milburn R.: *See*—
Murphey, James S. 3,004,613.

Simmons, Milton E., C. J. Finsterwalder, and F. J. Terkoski, to General Motors Corp. Dynamo electric machine. 2,982,873, 5–2–61, Cl. 310—258.

Simmons, Ronald E. G., H. L. A. Foy, J. D. Shepherd, and M. H. Easy, to The Decca Record Co. Ltd. Radar display apparatus. 3,007,152, 10–31–61, Cl. 343—5.

Simmons, Russell T., to General Electric Co. Temperature responsive control device. 3,009,047, 11–14–61, Cl. 219—20.

Simmons, Vaughan P., to W. H. Brady Co. Nematodic swab. 2,969,057, 1–24–61, Cl. 128—2.

Simmons, William E. Mounting and adjustment means for ground working implements. 2,973,819, 3–7–61, Cl. 172—600.

Simmons, William H. Disengage system for aircraft tail hook. 3,001,743, 9–26–61, Cl. 244—110.

Simms, Paul R., to Teletype Corp. Lubricating device. 2,980,210, 4–18–61, Cl. 184—102.

Simms, Russell K.: *See*—
Adams, Loyd W., and Simms. 2,977,197.

Simms, Thomas S., to General Electric Co. Methods of making copper-aluminum joints. 2,977,675, 4–4–61, Cl. 29—479.

Simms, Thomas S., and A. J. Harder, Jr., to General Electric Co. Heat-insulating units for refrigerator cabinets. 3,004,877, 10–17–61, Cl. 154—45.

Simnad, Massoud T.: *See*—
Goeddel, Walter V., and Simnad. 3,001,238.

Simnad, Massoud T., to United States of America, Atomic Energy Commission. Fuel element construction. 2,996,444, 8–15–61, Cl. 204—193.2.

Simon, Albert: *See*—
Bell, Persa R., Mackin, and Simon. 2,997,431.
Bell, Persa R., Simon, and Mackin. 2,969,308.

Simon, Avery H., R. H. Tracy, and F. A. Yarbrough. Radio warning system. 2,979,706, 4–11–61, Cl. 340—224.

Simon, Bela: *See*—
Berhidi, Mihaly, Simon, and Szendrey. 2,976,448.

Simon-Carves Ltd.: *See*—
Hiby, Friedrich K. 3,014,746.

Simon, Dave. Golf ball dispensing apparatus. 3,000,537, 9–19–61, Cl. 221—7.

Simon, Frank N., to International Telephone and Telegraph Corp. Joule-Thomson effect cooling system. 2,991,633, 7–11–61, Cl. 62—514.

Simon, George. Fluid coupled differential. 3,013,391, 12–19–61, Cl. 60—54.

Simon, Henri J. H.: *See*—
Muytjens, Mathias J.G., and Simon. 2,993,889.

Simon, Henry, Ltd.: *See*—
Allen, Robert W. 2,975,636.
Allen, Robert W. 2,980,207.
Ball, John S., and Gillett. 2,969,193.
Elias, David G., Sunter, and Scott. 2,990,063.
Sugden, George H. 2,991,019.

Simon, Jack, to General Plastics Corp. Method of reconstituting nylon by solution in formic acid and distillation with hydrocarbon. 3,006,867, 10–31–61, Cl. 260—2.3.

Simon, Jean C.: *See*—
Alexis, Roger, and Simon. 3,001,064.

Simon, Joseph E. One-hand operated, quick acting, garden hose nozzle. 2,989,250, 6–20–61, Cl. 239—456.

Simon, Leon: *See*—
Pauling, Harry. 3,007,917.

Simon, Morton L.: *See*—
Hill, Francis U., and Simon. 3,000,109.

Simon, Myron S.: *See*—
Blout, Elkan R., Cohen, and Simon. 3,003,876.
Blout, Elkan R., Corley, Green, and Simon. 2,992,106.
Green, Milton, and Simon. 3,002,997.

Simon, Robert E.: *See*—
Ver Planck, James W., and Simon. 2,976,814.

Simon, Roger: *See*—
Leroy, Pierre, and Simon. 2,975,047.

Simon, Werner, to Ceolon-Gesellschaft K. E. Merckle. Method of producing threads of foamed material. 3,001,359, 9–26–61, Cl. 57—157.

Simon, Werner, to Ceolon-Gesellschaft K.E. Merckle. Elastic foam article and apparatus for making same. 3,009,848, 11–21–61, Cl. 154—54.

Simon, Wilbur: *See*—
Mickelson, Grant A., Simon, and Tibbitts. 2,981,697.

Simon, Wilbur, to Morton Chemical Co. Process for upgrading crude alkali metal sulfates. 3,006,726, 10–31–61, Cl. 23—121.

Simonds Saw & Steel Co.: *See*—
Beckner, Donald O., and Lamlein. 3,004,902.

Simone, Carl F.: *See*—
Franks, Lewis E., Perletti, and Simone. 2,981,892.

Simoneau, Robert G.: *See*—
Holland, Herman, and Simoneau. 2,985,881.

Simonian, John V.: *See*—
Kroll, Harry, Simonian, and Knell. 2,967,196.

Simonini, Pietro, assor. of part interest to Tubi Bonna S.p.A. Adjustable and replaceable conduit coupling. 2,992,839, 7–18–61, Cl. 285—288.

Simoniz Co.: *See*—
Meister, Gerard W. 2,978,422.

Simons, Donald M., to E. I. du Pont de Nemours and Co. Process for preparing polypropylene ether glycols. 2,996,550, 8–15–61, Cl. 260—615.

Simons, Elizabeth W. Hinge mounting for mirrors and the like. 2,967,035, 1–3–61, Cl. 248—28.

Simons, Elizabeth W. Tong hinge mounting for mirrors and the like. 2,983,948, 5–16–61, Cl. 16—166.

Simons, Elizabeth W. Mirror support. 2,984,440, 5–16–61, Cl. 248—28.

Simons, Elizabeth W. Sliding drawer guide. 3,008,790, 11–14–61, Cl. 312—332.

Simons, John C., Jr.: *See*—
Johannessen, Paul R. 2,990,516.

Simons, John C., Jr., to National Research Corp. Electrical apparatus for analyzing gases. 3,009,098, 11–14–61, Cl. 324—33.

Simons, John H. Dental bur holder. 2,971,637, 2–14–61, Cl. 206—17.

Simons, John K., to Quaker Chemical Products Corp. Reaction products of polyesters and primary amines. 2,969,335, 1–24–61, Cl. 260—22.

Simons, Langdon S., Jr.: *See*—
Schladermundt, Peter, Dennerlein, and Simons. 2,973,859.

Simons, Lawrence P. Support garment for men. 2,997,044, 8–22–61, Cl. 128—519.

Simons, Sanford L.: *See*—
Floyd, Frederick K., Simons, Mahoney, and Vaughn. 2,994,418.

Simonsen, Edward H., to Simonsen Metal Products Co. Tray support bracket. 2,995,409, 8–8–61, Cl. 312—325.

Simonsen Metal Products Co.: *See*—
Simonsen, Edward H. 2,995,409.

Simonton, Mike E., to Varian Associates. Antihunting network for servomechanisms. 2,996,670, 8–15–61, Cl. 324—100.

Simpelaar, Clyde S., to Modine Mfg. Co. Heat exchanger. 2,985,433, 5–23–61, Cl. 257—245.

Simpelaar, Clyde S., to Modine Mfg. Co. Method of making a fin collar. 3,011,466, 12–5–61, Cl. 113—118.

Simpkins, Robert L.: *See*—
Babcock, Gary J., Burch, and Simpkins. 3,008,230.

Simplex Forms System, Inc.: *See*—
Shoemaker, James C. 3,010,175.

Simplex Wire and Cable Co.: *See*—
Munn, Paul S. 3,007,252.
Simplicity Engineering Co.: *See*—
Behnke, George W., and Westcott. 2,974,795.
Behnke, George W., Westcott, and Newberry. 2,996,148.
Behnke, George W., and Wirth. 2,992,784.
Wirth, Hans A., Briggs, Kittle, and Judson. 2,992,783.
Simplicity Mfg. Co.: *See*—
Kamlukin, Igor, and Rhoades. 2,989,134.
Simplot, J. R., Co.: *See*—
Shaw, Roy L., Jr., Kueneman, and Conrad. 2,983,619.
Simpson, Alvan D., to The Forming Machine Co. of America, Inc. Means for preventing leakage of fluid. 3,007,518, 11–7–61, Cl. 162—297.
Simpson, Arthur W., ½ to Walds B. Telfer. Plumbing apparatus. 2,973,537, 3–7–61, Cl. 15—104.3.
Simpson, Billy D.: *See*—
Turk, Stanley D., and Simpson. 2,996,509.
Simpson, Billy D., A. M. Schnitzer, and R. L. Cobb, to Phillips Petroleum Co. Production of unsaturated heterocyclic nitrogen bases. 3,007,931, 11–7–61, Cl. 260—283.
Simpson, Charles A.: *See*—
Pennybacker, Miles, and Simpson. 2,969,476.
Simpson, Donald D., to ACF Industries, Inc. Packing dividers. 2,974,817, 3–14–61, Cl. 217—31.
Simpson, Duncan W.: *See*—
Dawson, William H., Jr., and Simpson. 2,987,829.
Simpson, Edward H.: *See*—
Cornish, Harry E., Graef, Groebe, and Simpson. 2,969,702.
Simpson, George R., to American Optical Co. Photographic printing method and apparatus therefor. 2,970,515, 2–7–61, Cl. 88—24.
Simpson, Gordon E.: *See*—
Grant, Eugene F., Simpson, McCoubrey, and Buritz. 2,991,389.
Simpson, Harry A., Jr., to United States of America, Navy. Modular furniture. 2,987,356, 6–6–61, Cl. 312—111.
Simpson, Harry A., Jr., to United States of America, Navy. Clothes compressor for wardrobe. 3,009,756, 11–21–61, Cl. 312—342.
Simpson, Henry A. Cultivating machine. 2,975,845, 3–21–61, Cl. 172—599.
Simpson, Herbert, Corp.: *See*—
Granath, Axel G., and McIlvaine. 2,990,624.
McIlvaine, Robert L. 2,970,778.
McIlvaine, Robert L. 2,978,147.
Simpson, Howard W., to Phillips-Van Heusen Corp. Creased cuff. 2,994,885, 8–8–61, Cl. 2—123.
Simpson, Howard W. Planetary transmission. 3,000,235, 9–19–61, Cl. 74—759.
Simpson, Jack N., and W. C. Morch, to The Electric Storage Battery Co. Headphones. 3,014,998, 12–26–61, Cl. 179—156.
Simpson, James E. Colorants for resins. 2,987,496, 6–6–61, Cl. 260—40.
Simpson, Lee S. Tow vehicle for water-skiers. 2,972,326, 2–21–61, Cl. 115—6.1.
Simpson, Leonard E.: *See*—
Rudder, Frank B., Simpson, and Smith. 2,998,897.
Simpson, Raymond J.: *See*—
Naven, Benjamin S., and Simpson. 3,007,440.
Simpson, Stanley F., to Bethlehem Steel Co. Stamped metal casting mold. 2,977,648, 4–4–61, Cl. 22—57.
Simpson, Theodore B.: *See*—
Bieber, Herman, and Simpson. 2,990,365.
Simpson, Victor R., to International Business Machines Corp. Document feeding. 2,995,360, 8–8–61, Cl. 271—27.
Simpson, Warren C.: *See*—
Sommer, Harry J., and Simpson. 3,006,354.
Simpson, Warren C., and H. J. Sommer, to Shell Oil Co. Transportation of waxy oils. 2,981,683, 4–25–61, Cl. 252—8.3.
Simpson, William, to Newey Bros. Ltd. Stitching of fastener members to tape and the like. 3,006,294, 10–31–61, Cl. 112—2.
Simpson, William E., to General Motors Corp. Electric switches. 2,992,448, 7–18–61, Cl. 15—250.02.
Simpson, William E., to General Motors Corp. Windscreen wiper actuator mechanisms. 3,003,098, 10–3–61, Cl. 318—466.
Simpson, William F., to General Electric Co. Clothes drying machine. 3,009,259, 11–21–61, Cl. 34—133.
Sims, Danny P.: *See*—
Warner, Paul F., and Sims. 2,974,177.
Sims, James R.: *See*—
Focht, Frank T., Sims, and Knapp. 3,007,214.
Knapp, Richard P., and Sims. 2,994,202.
Knapp, Richard P., Sims, and Focht. 2,970,646.
Matter, Robert C., and Sims. 2,997,776.
Sims, James S., Jr., to United Aircraft Corp. Fuel control for dual heat source power plant. 2,970,436, 2–7–61, Cl. 60—39.28.
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Eckert, John P., Jr., and Sims. 3,012,232.
Eckert, John P., Jr., Sims, and Welsh. 2,972,128.
Sims, John C., Jr., to Sperry Rand Corp. Pulse control system. 2,992,416, 7–11–61, Cl. 340—174.
Sims, John C., Jr., to Sperry Rand Corp. Apparatus for magnetic printing. 2,996,575, 8–15–61, Cl. 178—6.6.
Sims, John C., Jr., and W. J. Bartik, to Sperry Rand Corp. Magnetic core memory device. 2,978,681, 4–4–61, Cl. 340—174.
Sims, John H. Game. 2,985,451, 5–23–61, Cl. 273—1.
Sims, Leslie J., to Ecrofnier & Partners Ltd. Wire tensioning tool. 2,982,520, 5–2–61, Cl. 254—29.
Sims, Leslie L.: *See*—
Haefner, Albert J., and Sims. 3,002,028.
Sims, Leslie L., to Ethyl Corp. Use of transition metal carbonyls in the manufacture of cyclopentadienyl manganese tricarbonyl. 2,987,529, 6–6–61, Cl. 260—429.
Sims, Willard M.: *See*—
Honn, Francis J., and Sims. 2,999,854.
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Hawley, Mones E., and Simshauser. 2,972,018.
Simshauser, Elvin D., to United States of America, Air Force. Non-linear transducer armature. 3,005,880, 10–24–61, Cl. 179—114.
Simson, Adolf P., to Gardner-Denver Co. Supercharger for compressor units. 3,007,626, 11–7–61, Cl. 230—56.
Simson, Verne H., to Cutler-Hammer, Inc. Cyclic machine control system. 3,004,202, 10–10–61, Cl. 318—216.
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Pecoraro, Ralph R., and Sinatra. 3,007,392.
Pecoraro, Ralph R., Sinatra, and Dziedziula. 2,997,940.
Sinatra, Angelo S., E. J. Dziedziula, and R. R. Pecoraro, to Ref Mfg. Corp. Refrigerator or cooling devices for fluids. 2,974,499, 3–14–61, Cl. 62—386.
Sinclair, Alfred C., to Clayton Anderson & Co. Hydraulic lift. 2,970,577, 2–7–61, Cl. 121—46.
Sinclair, Alfred C., 16⅔% to W. S. Thompson. Pumping unit. 2,982,100, 5–2–61, Cl. 60—51.
Sinclair, Arthur C.: *See*—
Oliver, Thomas J., Prokop, Sinclair, Warren, and Winfield. 2,972,569.
Sinclair, Carter: *See*—
Bivens, Maurice E., and Sinclair. 2,975,338.
Cooper, Benjamin, and Sinclair. 2,975,356.
Sinclair, Charles W., to Kelsey-Hayes Co. Rim. 3,009,502, 11–21–61, Cl. 152—410.
Sinclair, Charles W., and R. L. Atkin, to Kelsey-Hayes Co. Wheel rim. 2,969,825, 1–31–61, Cl. 152—410.
Sinclair, Charles W., and T. L. Hibbard, to Kelsey-Hayes Co. Wheel and rim structure. 3,007,507, 11–7–61, Cl. 152—413.
Sinclair, Charles W., and R. L. Atkin, to Kelsey-Hayes Co. Brake drum. 3,007,553, 11–7–61, Cl. 188—218.
Sinclair, Donald B., to General Radio Co. Apparatus for measuring envelope delay. 2,970,258, 1–31–61, Cl. 324—57.
Sinclair, Frederick W., to Gloucester Railway Carriage and Wagon Co. Ltd. Bogie trucks for rail vehicles. 2,981,208, 4–25–61, Cl. 105—197.
Sinclair, Gordon R., to United States of America, Air Force. Deceleration parachute retraction system. 3,002,715, 10–3–61, Cl. 244—113.
Sinclair, Harold. Synchronous self-shifting clutches. 2,972,397, 2–21–61, Cl. 192—67.
Sinclair, Harold. Hydraulic turbo-couplings. 2,973,626, 3–7–61, Cl. 60—54.
Sinclair, Harold. Marine propulsion systems. 2,973,845, 3–7–61, Cl. 192—4.
Sinclair, Harold. Hydraulic turbo couplings. 2,983,102, 5–9–61, Cl. 60—54.
Sinclair, Harold. Hydraulic turbo-couplings. 2,989,851, 6–27–61, Cl. 60—54.
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Sinclair, Harold, and P. J. Short, to S.S.S. Gears Ltd. Synchronous self-shifting clutches. 2,971,621, 2–14–61, Cl. 192—67.
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Sinclair, Jack F.: *See*—
Walsh, John, and Sinclair. 2,981,985.
Sinclair, James A. Lawn and garden tools. 2,969,593, 1–31–61, Cl. 30—318.
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Laser, Leon J., and Sinclair. 2,993,174.
Sinclair Oil & Gas Co.: *See*—
Emery, Leonard W. 2,985,240.
Holbert, Don R., and Perry. 3,011,547.
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Sinclair Refining Co.: *See*—
Boyd, John L. 3,003,856.
Brown, Lee V. 2,994,661.
Burk, Emmett H., Jr., Mool, and Thomas. 2,972,650.
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Campbell, Oliver F., and Decker. 3,013,773.
Case, Everett N. 2,973,340.
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Collings, Lawrence V. 3,007,811.
Decker, William H. 3,011,965.
Dorinson, Amos. 2,969,326.
Dorinson, Amos. 2,985,644.
Edison, Robert R., and Smith. 3,005,034.
Elliott, William W., and Moyer. 3,014,854.
Erickson, Henry. 2,992,191.
Fox, Wilbur E. 2,990,362.
Friedman, Bernard S., and Cotton. 2,975,199.
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Hudson, Charles N. 2,967,816.
Hunn, Olen D. 2,973,314.
Keith, Willis C. 2,998,448.
Keith, Willis C., Burk, and C. D. Keith. 2,974,161.
Keith, Willis C. and C. D., and Burk. 2,981,751.
Keith, Willis C., Elkins, and Chambers. 2,973,395.
Kirk, James H. 3,000,710.
Kleinholz, Milton P. 2,991,246.
Lederle, Henry F. 2,984,692.
Matson, Howard J. 2,987,478.
May, Robert L., and Brown. 3,008,900.
Nelson, John W. 2,998,386.
Podilpnik, John. 3,012,981.
Renner, Jack F. 2,991,241.
Renner, Jack F. 2,992,181.
Roehler, Lawrence A. 2,972,578.
Sanford, Robert A., and Foster. 2,992,284.
Sanford, Robert A., and Kovach. 3,000,983.
Schrum, Robert W. 2,992,183.
Sheldahl, David B., and Counts. 2,992,081.
Teeter, Ford C., and Kahler. 2,968,621.
Teter, John W., Gring, and Keith. 2,973,245.
Thomas, Owen H., and Michaels. 2,972,649.
Verdol, Joseph A., and Walker. 2,972,645.
Vlerk, Ernest R., and Mazzoni. 2,977,237.
Watkins, Franklin M. 3,011,862.
Watson, William B. 2,973,315.
Watson, William B. 2,973,317.
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Young, David W. 2,998,387.
Young, David W. 3,005,016.

Sinclair Research Inc.: *See*—
Keith, Carl D., and Piros. 3,014,365.

Sinclair, Stuart W., and E. W. Hornberger, to Clayton Anderson & Co. Band return machine. 3,010,386, 11–28–61, Cl. 100—25.

Sincroft, Donald E.: *See*—
Sipos, Endre F., and Sincroft. 2,991,163.

Sincroft, Donald E., and E. F. Sipos, to Central Soya Co., Inc. Treating compound and method. 2,987,527, 6–6–61, Cl. 260—403.

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Gilfillan, Edward S., Jr., and Sindeband. 2,966,853.

Sindelar, William F., to Master Power Corp. Rotary impact wrench. 3,001,428, 9–26–61, Cl. 81—52.3.

Sindelar, William F., to Master Power Corp. Rotary impact wrench. 3,001,429, 9–26–61, Cl. 81—52.3.

Sinden, Alfred D., and R. O. Schaeffer, to Stephens-Adamson Mfg. Co. Reversible drive for moving sidewalks and the like. 2,973,084, 2–28–61, Cl. 198—203.

Sinden, James W., and U. Hauser, to Hauser Champignonkulturen AG. Method of and apparatus for spawning champignon substratum with champignon mycelium. 2,994,160, 8–1–61, Cl. 47—1.1.

Singalewitch, Joseph D.: *See*—
Chesnut, James A., and Singalewitch. 3,002,770.

Singer-Cobble, Inc.: *See*—
Card, Joseph L. 2,975,736.

Singer-Cobble, Inc., a subsidiary of The Singer Mfg. Co.: *See*—
Card, Roy T. 2,976,829.

Singer-Fidelity, Inc.: *See*—
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Gebele, Kurt, and Singer. 2,990,761.
Mahler, Peter A. 2,987,899.
Mahler, Peter A. 2,987,900.
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Mahler, Peter A., and Haas. 2,981,085.
McKibbin, John T., and Larkin. 2,966,783.
Peel, Robert. 2,995,913.
Reymes-Cole, John M. R. and B. T. R. 2,980,981.

Singer, Franz, to Compur-Werk Friedrich Deckel O.H.G. Gear escapement for a photographic shutter. 2,974,575, 3–14–61, Cl. 95—63.

Singer, Franz, to Compur-Werk Friedrich Deckel O.H.G. Setting means for photographic cameras. 2,983,206, 5–9–61, Cl. 95—10.

Singer, Heinrich, to Interowa Führer-Halmendorf Kommanditgesellschaft fur Kunststoffhandel. Joint for pipes and tubes. 2,967,067, 1–3–61, Cl. 285—238.

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Singer Mfg. Co., The: *See*—
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Enos, John P. 2,983,239.
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Graham, Richard P., Edwards, and Garasimowicz. 2,990,795.
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Hacklander, Hans. 2,974,617.
Hacklander, Hans. 2,976,831.
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Happe, Reynold. 2,968,187.
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Happe, Reynold, and Felix. 2,975,257.
Hayes, Frank A. 2,966,810.
Herbst, Edward J. 2,983,455.
Herbst, Edward J. 2,988,029.
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Herr, John A. 3,008,437.
Hofgesang, William. 2,976,714.
Hofgesang, William. 3,003,736.
Hofgesang, William A. 3,008,178.
Johnson, Ralph E. 2,968,267.
Johnson, Ralph E. 2,970,556.
Johnson, Ralph E. 2,973,733.
Johnson, Ralph E. 2,986,358.
Johnson, Ralph E. 2,989,016.
Johnson, Ralph E. 3,006,298.
Johnson, Ralph E. 3,011,461.
Kessler, Charles A. 2,966,870.
Ketterer, Stanley J. 2,990,794.
Ketterer, Stanley J., and Herron. 3,012,529.
Ketterer, Stanley J., and Herron. 3,012,530.
Kuhar, Ludwig J. 2,974,618.
Matuzas, Anthony J. 2,974,354.
Matuzas, Anthony J. 2,991,582.
McGill, Thomas A., and Macdonald. 2,989,013.
Meloy, Arthur S., Jr., and Van Ness. 2,968,268.
Mendles, Walter J. 2,999,474.
Momberg, James W., and Taylor. 2,981,880.
Parry, Frank. 2,980,044.
Reid, Orland B. 2,988,031.
Ritter, Herman, and Rogers. 3,011,462.
Ross, Roger. 3,011,592.
Smith, Darwin G., and Ketterer. 2,968,269.
Stanton, Edward W. 3,013,514.
Taylor, Edward W., and Momberg. 2,981,879.
Tillstrom, Carl R. 2,981,216.
Vom Lehn, Herman, and Shest. 3,005,428.
Wehof, Hubert. 3,012,434.
Wehof, Hubert, and White. 3,011,080.
Zeier, Frederick F., and Skowronski. 3,008,438.

Singer, Rudolf. Apparatus for repeating the last position of a magnetic recording. 2,972,023, 2–14–61, Cl. 179—100.2.

Singer, Samuel. Adjustable price tags. 3,014,294, 12–26–61, Cl. 40—5.

Singer, Siegfried F., to United States of America, Navy. Magnetic orienter and magnetic guidance device for missiles. 2,984,783, 5–16–61, Cl. 324—43.

Singher, Heron O., and L. Zuckerman, to Ortho Pharmaceutical Corp. Urokinase-a plasminogen activator and methods of obtaining the same. 2,989,440, 6–20–61, Cl. 195—66.

Singher, Heron O., and E. A. Swart, to Ortho Pharmaceutical Corp. Process for purifying relaxin. 2,995,494, 8–8–61, Cl. 167—74.

Singher, Heron O., and R. Egan, to Ortho Pharmaceutical Corp. Method of purification of streptokinase. 2,997,425, 8–22–61, Cl. 195—66.

Singleterry, Charles C., to Classroom Film Strip and Projector Corp. Film strip projector. 2,971,435, 2–14–61, Cl. 88—28.

Singleterry, Curtis R.: *See*—
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Singleton, Aubrey. Cultivator stabilizer. 2,987,125, 6–6–61, Cl. 172—393.

Singleton, Fred G., and W. C. Hunt, to H. H. Robertson Co. Polyepoxide products. 2,999,824, 9–12–61, Cl. 260—18.

Singleton, Gray, to Shirriff-Horsey Corp., Ltd. Process and apparatus for cleaning fruit pulp. 2,983,377, 5–9–61, Cl. 209—164.

Singleton, Henry E., and H. F. Erdley, to Litton Industries, Inc. Precision torque-balance accelerometer. 2,995,038, 8–8–61, Cl. 73—516.

Singleton, John C., to The Babock & Wilcox Co. Liquid level gauge. 2,998,724, 9–5–61, Cl. 73—323.

Singleton, Ogle R., Jr., and G. E. Stein, to Reynolds Metals Co. Process and product of zinc and aluminum lamination. 2,987,814, 6–13–61, Cl. 29—472.3.

Singleton, Peter, to The Loewy Engineering Co. Ltd. Metal extrusion press. 3,012,664, 12–12–61 Cl. 207—2.

Singleton, Robert C., and R. E. McGinnis, to Gregory Industries, Inc. Composite T-beam. 2,987,855, 6–13–61, Cl. 50—290.

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Schrecker, Howard F., and Singleton. 2,970,706.

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Singley, Mark E., to Farm Instruments Corp. Method of manipulating silage in a silo. 2,989,946, 6–27–61, Cl. 119—51.

Sinklewicz, Edward J. Magnetically supported rubber stamps and the like. 2,996,004, 8–15–61, Cl. 101—333.

Sinkinson, Arthur W.: *See*—
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Sinko, Henry, to General Motors Corp. Vehicle suspension. 3,013,843, 12–19–61, Cl. 305—10.

Sinn, Francis P., and C. K. Conrad, to American Metal Climax, Inc. Germanium concentration and production. 2,991,171, 7–4–61, Cl. 75—1.

Sinn, Gustav: *See*—
Graulich, Wilhelm, Sinn, and Müller. 2,984,588.
Graulich, Wilhelm, Sinn, Nottebohn, and Schabert. 2,999,773.

Sinn, Robert S., Radio Corp. of America. Relay circuit. 2,992,367, 7–11–61, Cl. 317—141.
Sinn, Robert S., to Radio Corp of America. Perforation sensing circuit. 2,994,476, 8–1–61, Cl. 235—61.11.
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Sinner, Raymond G., to Philco Corp. Modular circuit construction. 2,977,512, 3–28–61, Cl. 317—101.
Sinner, Woodrow E., to Bjorksten Research Laboratories Inc. Device for opening and closing electrical circuits. 2,982,884, 5–2–61, Cl. 317—141.
Sinnett, Hershel W. Extensible visor arrangement for vehicles. 3,008,757, 11–14–61, Cl. 296—97.
Sinnott, Richard C., to Hexcel Products Inc. Combination timing and current proportioner for welding electrodes. 2,988,629, 6–13–61, Cl. 219—109.
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Russo, Carl J., Trifunovic, and Sinski. 3,000,069.
Sinski, Henry A., to Joseph Bancroft & Sons Co. Method of making novelty yarn. 2,997,838, 8–29–61, Cl. 57—157.
Sintz, Claude, Inc.: *See*—
Lobdell, Webster A. 2,987,333.
Sinykin, Louis S., and A. C. Olsen, to Levin Bros., Inc. Base construction for chairs, couches and the like. 3,006,629, 10–31–61, Cl. 267—99.
Sioux Steel Co., The: *See*—
Klein, Iven W. 2,997,894.
Klein, Iven W. 3,014,575.
Kooiker, Ralph L., and Klein. 2,998,123.
Sipe, Andrew J.: *See*—
De Remer, John B., Sipe, and Beebe. 3,011,040.
De Remer, John B., Sipe, and Beebe. 3,013,624.
Sipe, Charles B. Pan cover holder. 2,972,414, 2–21–61, Cl. 211—13.
Sipek, Ladislav, to Tesla, narodni podnik. Device for fastening the components of an electromagnet, especially for fastening the poleshoes of an electromagnet designed for acceleration of electrically charged particles (for instance in a betatron). 3,009,083, 11–14–61, Cl. 317—200.
Sipler, Clarence L. Tubular conduits. 2,990,855, 7–4–61, Cl. 138—145.
Sipler, Clarence L. Method of making tubular conduits. 2,995,781, 8–15–61, Cl. 18—56.
Sipos, Endre F.: *See*—
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Sipos, Endre F., and D. E. Sincroft, to Central Soya Co., Inc. Method of handling and storing gasoline containing lecithin. 2,991,163, 7–4–61, Cl. 44—66.
Sippach, Frederick W.: *See*—
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Sippach, Frederick W., and R. H. Luppold, Jr., to Hagan Chemicals & Controls, Inc. Reed relay for small voltages. 3,005,069, 10–17–61, Cl. 200—87.
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Sipress, Jack M., to Bell Telephone Laboratories, Inc. Active multiport network. 2,998,580, 8–29–61, Cl. 333—80.
Sipress, Jack M., to Bell Telephone Laboratories, Inc. Active one-port network. 3,001,155, 9–19–61, Cl. 333—80.
Sipress, Jack M., and F. J. Witt, to Bell Telephone Laboratories, Inc. Nonreciprocal wave translating network. 3,001,157, 9–19–61, Cl. 333—80.
Siptrott, Fred M. Automated egg-producing henhouse. 2,969,040, 1–24–61, Cl. 119—21.
Siravo, Frances J. Scissors. 3,014,275, 12–26–61, Cl. 30—229.
Siri, Louis J., to Penn Controls, Inc. Air volume control for water systems. 2,973,773, 3–7–61, Cl. 137—209.
Siri, Louis J., to Penn Controls, Inc. Clamp-on temperature responsive device. 2,979,586, 4–11–61, Cl. 200—140.
Siri, Louis J., to Penn Controls, Inc. Liquid expansion power element. 2,989,083, 6–20–61, Cl. 137—788.
Siri, Louis J., to Penn Controls, Inc. Thermostat. 2,997,561, 8–22–61, Cl. 200—140.
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Sirks, Walter M. Whirling toy. 3,010,249, 11–28–61, Cl. 46—52.
Sirola, Frank. Tool post and tool holder. 2,972,272, 2–21–61, Cl. 82—36.
Sirons, Janis A., to United States of America, Air Force. Radio compass. 2,968,035, 1–10–61, Cl. 343—120.
Sirons, Janis A., to United States of America, Air Force. Light weight crash locator beacon. 2,979,608, 4–11–61, Cl. 250—17.
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Sisco, William E., and J. S. Wiederecht, to American Cyanamid Co. Alcohol recovery process. 2,981,664, 4–25–61, Cl. 202—57.
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Sisk, Ralph. Spring pressed colter shoe. 2,989,129, 6–20–61, Cl. 172—515.
Siskind, Philip, to Sperry Rand Corp. Two-stage half-wave magnetic amplifier. 2,989,687, 6–20–61, Cl. 323—66.
Sisneros, Thomas E., and R. T. Watson, to Radio Corp. of America. Luminescent materials and methods of preparation thereof. 2,971,859, 2–14–61, Cl. 117—33.5.
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Sisson, Kenneth O., to General Motors Corp. Separate wash and rinse temperature selectors. 2,967,546, 1–10–61, Cl. 137—624.2.
Sisson, Kenneth O., to General Motors Corp. Sediment collecting arrangement. 2,973,637, 3–7–61, Cl. 68—23.
Sisson, Kenneth O., to General Motors Corp. Domestic appliance. 2,987,904, 6–13–61, Cl. 68—23.
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Sisson, Kenneth O., and D. J. Barbulesco, to General Motors Corp. Multiple speed transmission. 2,974,542, 3–14–61, Cl. 74—665.
Sisson, Kenneth O., and C. K. Billings, to General Motors Corp. Automatic clothes washing machine. 2,976,710, 3–28–61, Cl. 68—12.
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Sisson, Wayne A., to American Viscose Corp. Method of producing viscose rayon. 2,975,021, 3–14–61, Cl. 18—54.
Sisson, Wayne A., and B. A. Thumm, to American Viscose Corp. Producing all skin rayon. 2,971,817, 2–14–61, Cl. 18—54.
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Sites, Benjamin L., and M. S. Agruss, to Miehle-Goss-Dexter, Inc. Radiant energy means for indurating materials. 3,008,242, 11–14–61, Cl. 34—1.
Sittel, Karl, to Walsco Co. Method and apparatus for producing fibrous structures. 2,998,048, 8–29–61, Cl. 154—1.
Sittel, Karl, to Walsco Co. Method and apparatus for forming fibrous articles. 2,998,051, 8–29–61, Cl. 154—1.7.
Sittel, Richard L., T. M. Cone, A. S. Ringwald, and S. D. Young to Unit Rig & Equipment Co. Pivotal trailer unit. 2,997,315, 8–22–61, Cl. 280—423.
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Tamplen, Jack W., and Sizer. 2,998,070.
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McCormick, Jerry R. D., Arnold, Hirsch, Miller, and Sjolander. 2,996,499.
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Sjostrand, Bengt T. L., to Svenska Oljeslageri Aktiebolaget. Chlorination of naphthoquinone. 2,975,196, 3–14–61, Cl. 260—396.

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Skellett, Albert M., to Tung-Sol Electric Inc. Transistor circuit for intermittently energizing a load. 2,994,013, 7–25–61, Cl. 315—241.

Skellett, Albert M., to Tung-Sol Electric Inc. Cold cathode rectifier. 2,997,640, 8–22–61, Cl. 321—32.

Skellett, Albert M., to Tung-Sol Electric Inc. Electroluminescent display panel and actuating means therefor. 3,012,095, 12–5–61, Cl. 178—5.4.

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Skidmore, Richard H., to J. W. Wilhelm. Wrench calibrator and bolt tester. 2,978,898, 4–11–61, Cl. 73—1.

Skidmore, Richard H., to J. W. Wilhelm. Static torque measuring device. 3,011,332, 12–5–61, Cl. 73—1.

Skidmore, Sam C., and F. B. Crook. Stabilizer for drill bit. 2,978,049, 4–4–61, Cl. 175—391.

Skidmore, William S., to Radio Corp. of America. Electrostatically-shielded loop antenna. 2,981,950, 4–25–61, Cl. 343—788.

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Kikugawa, Ginzo. 3,003,384.

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Skinner, Glenn S., and J. B. Bicking, to Merck & Co., Inc. Haloacetate method for preparing thiamorpholinediones. 3,004,971, 10–17–61, Cl. 260—243.

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Sklaroff, Morton, and T. J. Brennan, to Robertshaw-Fulton Controls Co. Alarm device. 2,993,466, 7–25–61, Cl. 116—112.

Sklash, David W., and H. M. Selling. Flood regulator. 2,990,845, 7–4–61, Cl. 137—358.

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Skoff, Eugene. Cartridge loader for a tubular magazine. 2,981,024, 4–25–61, Cl. 42—87.

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Skopp, Gilbert H., and J. F. Clark, to United States of America, Army. Canopy unlock thruster. 2,996,046, 8–15–61, Cl. 121—40.

Skopyk, Joseph. Jet propulsion apparatus for boats. 3,002,344, 10–3–61, Cl. 60—35.56.

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Skramstad, Harold K., J. H. Wright, and L. Taback, to United States of America, Commerce. Electronic analogue computers for radioactive fallout prediction. 2,998,193, 8–29–61, Cl. 235—184.

Skramstad, Harold K., C. Raudenbush, and J. A. Hart, to United States of America, Navy. Autopilot. 3,011,738, 12–5–61, Cl. 244—77.

Skramstad, Harold K., J. H. Wright, and L. Taback, to United States of America, Commerce. Function generator for analog computers. 3,012,729, 12–12–61, Cl. 235—197.

Skrmetta, Raphael Q. Assister peeler for shrimp peeling machines. 2,976,564, 3–28–61, Cl. 17—2.

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Skuratowicz, Michal. Lotion applicator. 2,995,768, 8–15–61. Cl. 15—547.

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Slater, John M., G. S. Perkins, J. C. Crowley, M. Hallman, R. M. Benson, and D. J. Santogrossi, to North American Aviation, Inc. Flotation gyroscope. 2,995,937, 8–15–61, Cl. 74—5.

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Slater, Saul I. Duplex plug receptacle. 2,969,518, 1–24–61, Cl. 339—31.

Slater, Saul I. Duplex plug receptacle. 2,974,301, 3–7–61, Cl. 339—14.

Slater, Saul I. Weatherproof electrical outlet. 2,985,334, 5–23–61, Cl. 220—24.3.

Slater, Saul I., to Slater Electric Inc. Wall plate for switches, receptacles and the like. 3,011,008, 11–28–61, Cl. 174—66.

Slater, William T., to Kelvin & Hughes Ltd. Optical projection means for transmitting information. 2,996,953, 8–22–61, Cl. 88—24.

Slatic, George A.: *See*—
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Slatin, Harvey L., to United States of America, Atomic Energy Commission. Preparation of pure metals from their compounds. 2,994,650, 8–1–61, Cl. 204—64.

Slatin, Harvey L., to Timax Associates. Process for the electrolytic production of metals. 3,003,934, 10–10–61, Cl. 204—64.

Slattery, Donald W. Geophysical survey apparatus and method of prospecting. 2,994,031, 7–25–61, Cl. 324—6.

Slattery, Gerard: *See*—
Jepson, Malcolm D., and Slattery. 3,010,890.

Slattery, John P., to General Electric Co. Air conditioning apparatus. 2,970,455, 2–7–61, Cl. 62—180.

Slattery, Thomas V. Wool presses. 2,993,546, 7–25–61, Cl. 177—129.

Slaugh, Lynn H.: *See*—
Raley, John H., and Slaugh. 2,993,939.

Slaughter, Gordon K.: *See*—
Sherry, Robert S., and Slaughter. 2,995,746.

Slavich, Ralph: *See*—
Lundy, James H., Rempel, and Slavich. 2,999,485.

Slavin, Edwin. Undertable mounting for portable power tool. 2,980,152, 4–18–61, Cl. 143—132.

Slavsky, Robert J., to Shaw & Slavsky, Inc. Wire marker support with M-shaped end. 2,983,475, 5–9–61, Cl. 248—223.

Slavsky, Robert J., to Shaw & Slavsky, Inc. Shelf price tag. 2,990,196, 6–27–61, Cl. 283—18.

Slavin, St. Clair. Fire alarm system. 3,014,206, 12–19–61, Cl. 340—229.

Slay, Joe E.: *See*—
Brubaker, Wilson M., Hall, and Slay. 3,010,017.

Slaymaker, Frank H., to General Dynamics Corp. Feedback vocoder. 2,996,579, 8–15–61, Cl. 179—1.

Slayter, Games, to Owens-Corning Fiberglas Corp. Glass fibers. 2,985,943, 5–30–61, Cl. 28—82.

Slayter, Games, to Owens-Corning Fiberglas Corp. Prereacted glass batch and method for producing same. 3,001,881, 9–26–61, Cl. 106—52.

Slayter, Games, to Owens-Corning Fiberglas Corp. Fibrous products and method and apparatus for producing same. 3,012,923, 12–12–61, Cl. 156—30.

Slayter, Games, and R. F. Shannon, to Owens-Corning Fiberglas Corp. Glass reinforced gypsum composition and process of preparation. 2,970,127, 1–31–61, Cl. 260—38.

Slayton, Albert, and G. Holton, to Radio-Television Products Corp. Molding machine. 3,003,189, 10–10–61, Cl. 18—30.

Slayton, Ensign T., to The Gleason Works. Roughing cutter for spiral bevel and hypoid gears. 2,978,792, 4–11–61, Cl. 29—105.

Slechta, Henry C., to Western Electric Co., Inc. Cable sheathing tool. 3,005,480, 10–24–61, Cl. 153—1.

Slechta, Jaroslav, to Vyzkumny a zkusebni letecky ustav. Automatic cyclic pitch control mechanism for rotor blades of helicopter aircraft. 2,996,122, 8–15–61, Cl. 170—160.25.

Sleddon, Geoffrey J., to Imperial Chemical Industries Ltd. Production of alkyl halides. 2,990,429, 6–27–61, Cl. 260—652.

Sleddon, Geoffrey J., and R. C. Anderson, to Imperial Chemical Industries Ltd. Alkyl halides from ethers or alcohols and an aluminium halide alkylation sludge. 3,004,079, 10–10–61, Cl. 260—652.
Sleeman, William C., to Pullman Inc. Freight vehicle lining. 2,987,014, 6–6–61, Cl. 105—369.
Sleger, Louis. Tail gate step. 2,991,118, 7–4–61, Cl. 296—62.
Slemmer, Robert H.: *See*—
Callender, Jack E., Slemmer, and Spjeldnes. 3,007,006.
Spjeldnes, Kare K., Callender, Slemmer, and Blashfield. 3,007,008.
Slemmer, Robert H., to North Electric Co. Automatic telephone system. 2,989,592, 6–20–61, Cl. 179—7.1.
Slemmons, Charles O.: *See*—
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Slemmons, Charles O., and G. J. Haught, to The General Tire & Rubber Co. Vibration isolating air spring. 3,008,703, 11–14–61, Cl. 267—1.
Slemmons, Charles O., and B. O. Bordenkircher, to The General Tire & Rubber Co. Circular air spring. 3,010,715, 11–28–61, Cl. 267—65.
Slettengren, Anders I. K., to Aktiebolaget Svelsmekano. Control movement for cutting tool in metal plate cutting machine. 2,986,947, 6–6–61, Cl. 74—38.
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Gains, Walter A., Sletzinger, and Ruyle. 3,014,043.
Sletzinger, Meyer, W. V. Ruyle, and W. A. Gaines, to Merck & Co., Inc. Preparation of tryptamine derivatives. 2,995,566, 8–8–61, Cl. 260—319.
Sletzinger, Meyer, and F. A. Cutler, Jr., to Merck & Co., Inc. Process for the preparation of 16-alkyl-11-oxygenated-16-pregnenes. 3,013,034, 12–12–61, Cl. 260—397.45.
Slezak, Frank B., to Diamond Alkali Co. Process for the preparation of 1,3-dihalo-uracils. 3,002,975, 10–3–61, Cl. 260—260.
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Sliepcevich, Cedomir M., to Conch International Methane Ltd. Method and means for the transportation of liquefied natural gas. 2,984,080, 5–16–61, Cl. 62—48.
Slifer, William J., and B. B. Kemper. System for sorting and grading bags. 2,984,353, 5–16–61, Cl. 209—125.
Sliker, Todd R., to United States of America, Air Force. Sawtooth generator. 2,977,545, 3–28–61, Cl. 328—184.
Slikkers, Leslie V., to The Bulman Corp. Adjustable shelving. 3,010,585, 11–28–61, Cl. 211—136.
Slimowicz, Chester E., to General Aniline & Film Corp. Diazotype materials containing coupling components for high opacity ultraviolet yellows and visually dense sepias. 2,970,909, 2–7–61, Cl. 96—91.
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Carter, Otis L. 2,995,153.
Slipp, Kenneth W.: *See*—
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Sloan, David H., to The Regents of the University of California. High-power magnetron. 2,971,122, 2–7–61, Cl. 315—39.71.
Sloan, David H., to United States of America, Navy. Ramjet device. 2,981,065, 4–25–61, Cl. 60—39.72.
Sloan, David H., to United States of America, Navy. Ramjet device. 3,002,351, 10–3–61, Cl. 60—39.72.
Sloan, Douglas M.: *See*—
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Sloan, Theodore H., ¼ to W. B. Jaspert. Apparatus for deveining shrimp. 2,971,215, 2–14–61, Cl. 17—2.
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Filliung, Jacques J., and Campbell. 3,008,683.
Sloan, William G., A. M. Du Pré, Jr., E. M. Buras, Jr., H. J. Janssen, and J. D. Tallant, to United States of America, Agriculture. Cellulose esters with dimensional stability. 2,993,740, 7–25–61, Cl. 8—132.
Sloane, Glenn L. Pop-up sprinkler head. 2,989,246, 6–20–61, Cl. 239—204.
Sloane, Murray, and F. A. Catroppa. Pressure suit having an automatic valve. 2,989,752, 6–27–61, Cl. 2—2.1.
Slobod, Robert L., and H. A. Koch, Jr., to The Atlantic Refining Co. Miscible slug followed by gas and water. 2,968,350, 1–17–61, Cl. 166—9.
Slocomb, George M., and R. E. Sandiford, to Consolidated Electrodynamics Corp. Peak-reading digital voltmeter. 3,012,195, 12–5–61, Cl. 324—103.
Slocombe, Robert J., to Monsanto Chemical Co. Compatible blends of two or more interpolymers that follow the Slocombe-Wesp rule of azeotropic line clarity and solutions thereof. 3,009,895, 11–21–61, Cl. 260—32.8.
Slocombe, Robert J., and G. L. Wesp, to Monsanto Chemical Co. Clear styrene/acrylonitrile/methacrylonitrile terpolymers obtained by batch free-radical polymerization. 2,984,650, 5–16–61, Cl. 260—80.5.
Slocombe, Robert J., and G. L. Wesp, to Monstanto Chemical Co. Clear styrene/acrylonitrile/alkyl methacrylate terpolymers obtained by batch free-radical polymerization. 2,984,651, 5–16–61, Cl. 260—80.5.
Slocombe, Robert J., and I. O. Salyer, to Monsanto Chemical Co. Compositions comprising blends of vinyl chloride polymers with alpha-methylstyrene/acrylonitrile/styrene interpolymers. 2,988,530, 6–13–61, Cl. 260—31.8.
Slodki, Morey E., to United States of America, Agriculture. Method of producing mannose-6-phosphate. 3,002,966, 10–3–61, Cl. 260—234.
Slodki, Morey E., to United States of America, Agriculture. Process for preparing phosphoric acid monoesters of mannose polymers. 3,002,967, 10–3–61, Cl. 260—234.
Slokker, Petrus W.: *See*—
Kooijman, Pieter L., Kortland, and Slokker. 3,000,832.
Sloneker, James H.: *See*—
Jeanes, Allene R., and Sloneker. 3,000,790.
Sloneker, Littleton B., to Phillips Petroleum Co. Pneumatic tire. 2,998,044, 8–29–61, Cl. 152—349.
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Mirviss, Stanley B., and Slotterbeck. 3,000,859.
Tucker, Merilyn A., and Slotterbeck. 2,968,648.
Tucker, Merilyn A., and Slotterbeck. 2,983,698.
Slough, Carlton M., to Texaco Experiment Inc. Electric initiator. 2,991,715, 7–11–61, Cl. 102—28.
Slough, Warwick, to National Research Development Corp. Cation-exchange resins based on picryl halide reaction products, and the separation of cations. 3,013,995, 12–19–61, Cl. 260—2.2.
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Slover, James W., to Phillips Petroleum Co. Catalytic cracking process and two unit system. 3,004,911, 10–17–61, Cl. 208—78.
Slovin, David G., to United States Rubber Co. Method of making polyurethane filamentary material. 3,009,765, 11–21–61, Cl. 18—54.
Slovinsky, Manuel: *See*—
Cooley, Stone D., and Slovinsky. 2,991,297.
Sluhan, Clyde A., to Master Chemical Corp. Stable aqueous cutting fluid. 2,999,064, 9–5–61, Cl. 252—34.7.
Sluijters, Robert, to American Enka Corp. Spinneret arrangement. 2,986,775, 6–6–61, Cl. 18—8.
Sluka, Edward G., to Chicago Metallic Sash Co. Anchor clip. 3,012,640, 12–12–61, Cl. 189—35.
Slusher, William E., to United States of America, Navy. Dielectric bead design for broadband coaxial lines. 2,992,407, 7–11–61, Cl. 333—96.
Sluter, Simon J.: *See*—
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Slutkin, Ralph: *See*—
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Slyngstad, Charles E., M. F. Nathan, and R. L. Nagy, to The M. W. Kellogg Co. Method and apparatus for conversion of hydrocarbons. 2,994,659, 8–1–61, Cl. 208—113.
Slyngstad, Charles E., and F. L. Lempert, to The M. W. Kellogg Co. Hydrodesulfurizing dissimilar hydrocarbons. 3,011,971, 12–5–61, Cl. 208—210.
Smack, Kenneth G., to Curtiss-Wright Corp. Method of making closed shapes of reinforced plastic. 3,008,859, 11–14–61, Cl. 156—79.
Smader, Charles L.: *See*—
Seyfried, Arthur W., and Smader. 3,013,133.
Smader, Charles L., to Scovill Mfg. Co. Ejector for disconnecting tool shafts from motor driven power unit. 2,974,935, 3–14–61, Cl. 259—1.
Small, Albert W. Method and apparatus for cryptography. 2,984,700, 5–16–61, Cl. 178—22.
Small, Augustus B.: *See*—
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Small, Augustus B., L. S. Minckler, Jr., J. L. Ernst, and F. P. Ford, to Esso Research and Engineering Co. Improving ozone resistance of butyl rubbers. 2,981,714, 4–25–61, Cl. 260—45.7.
Small Business Administration: *See*—
Diambra, Henry M. 2,974,188.
Small, Charles E.: *See*—
Clay, Burton R., and Small. 2,975,314.
Small, Edward F. Apparatus for applying a sewing rib to an insole. 2,984,848, 5–23–61, Cl. 12—20.
Small, Edward F., to Prime Mfg. Co. Tape applying machine. 3,012,261, 12–12–61, Cl. 12—59.5.
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Hirsch, Julius A., and Small. 2,994,462.
Small, Louis. Hardness testing apparatus. 2,986,030, 5–30–61, Cl. 73—83.
Small, Merwyn C., to Jersey Production Research Co. Method and means for raising and lowering a platform. 3,014,346, 12–26–61, Cl. 61—46.5.
Small, Samuel N., to A. G. Cohen and P. Weiss. Folding multiple rigid section umbrellas. 2,967,379, 1–10–61, Cl. 50—49.
Small, Samuel N., to A. G. Cohen and P. Weiss. Mechanism for tilting and supporting umbrella tops. 2,979,065, 4–11–61, Cl. 135—46.
Small, Samuel N., to Julius Duberstein. Apparatus including a swinging frame for intermittently cutting elongated workpieces. 2,981,135, 4–25–61, Cl. 83—310.

Small, Samuel N., to Jay Dee Products Co. Inc. Method and apparatus for mixing articles. 2,991,050, 7–4–61, Cl. 259—95.

Small, Samuel N., to J. Duberstein. Apparatus for intermittently delivering workpieces to receiving means. 3,008,565, 11–14–61, Cl. 198—176.

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Smalley, Burton M., to Joslyn Mfg. & Supply Co. Support for electrical devices. 2,970,800, 2–7–61, Cl. 248—230.

Smalling, Jack W., to Esso Research and Engineering Co. Method detecting the change in the isothermal heat transfer capacity, of a material in a fractionation system. 2,994,643, 8–1–61, Cl. 202—40.

Smallman, Carl R.: *See*—
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Smart, Charles L.: *See*—
Linville, Robert G., Osborne, and Smart. 2,989,499.

Smart, James E., Jr. Grass catching basket for use on rotary lawn mower. 2,971,313, 2–14–61, Cl. 56—25.4.

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Martin, Albert E., Smart, and Richardson. 2,999,929.

Smart, Ray F. Equine restraining device. 2,982,250, 5–2–61, Cl. 119—132.

Smart, Sidney K.: *See*—
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Smathers, Vance A. and K. M. 2,986,438.

Smathers, Vance A. and K. M. Automobile service tray. 2,986,438, 5–30–61, Cl. 311—21.

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Smeaton, Ronald M.: *See*—
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Smedley, Harry H. Excavator tooth. 2,971,280. 2–14–61, Cl. 37—142.

Smeets, Gerard G. F., to Strippit Tool & Machine Ltd. Calibrated positioning device. 3,007,253, 11–7–61, Cl. 33—189.

Smeets, Helmut, to Schloemann Aktiengesellschaft. Drum for the winding on and winding off of cold rolled bands. 2,989,263, 6–20–61, Cl. 242—72.1.

Smejda, Oscar J., to Christiania Spigerverk. Apparatus for arrangement of rods. 2,999,603, 9–12–61, Cl. 214—1.

Smejda, Richard K. Stripe applicators. 3,014,454, 12–26–61, Cl. 118—412.

Smeltzer, Jack C., to Thompson Ramo Wooldridge Inc. Linear ramp voltage wave shape generator. 2,998,532, 8–29–61, Cl. 307—88.5.

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Smialek, Leon J., to General Electric Co. Lamp base and terminal structure. 3,001,097, 9–19–61, Cl. 313—318.

Smidt, Jürgen: *See*—
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Anselm, Hans, Winkler, and Smidt. 2,985,637.

Smidth, F. L., & Co.: *See*—
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Storm, Frederick K., Jr., and Smiley. 3,000,606.

Smiley, Frank P.: *See*—
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Smiley, Harry J.: *See*—
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Nowicki, Henry F., and Smiley. 3,004,564.
Patterson, Raymond B., and Smiley. 2,981,291.

Smiley, Harry J., to James Lees and Sons Co. Method and apparatus for weaving wireless pile fabric. 2,988,113, 6–13–61, Cl. 139—25.

Smiley, Harry J., to James Lees and Sons Co. Transverse pile wire loom. 3,008,494, 11–14–61, Cl. 139—42.

Smiley, Harry J., to James Lees and Sons Co. Needle motion. 3,009,486, 11–21–61, Cl. 139—123.

Smiley, Harry J., H. A. Batty, and T. W. Jones, to James Lees and Sons Co. Shuttle changer for fabric loom. 2,981,294, 4–25–61, Cl. 139—239.

Smiley, James O., to General Motors Corp. Friction element. 2,973,842, 3–7–61, Cl. 188—251.

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Smirl, Richard L., to Borg-Warner Corp. Transmission. 3,001,415, 9–26–61, Cl. 74—472.

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Brown, Carl S. 2,967,699.
Burklin, Adolf J., and Lauck. 2,999,930.
Carlson, Arthur W. 2,967,666.
Chyle, John J. 2,975,513.
Ewart, John C. 2,999,405.
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Johnson, Arthur E. 2,972,096.
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MacKay, Malcolm B. 2,983,487.
Matkovich, George. 2,991,210.
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Postlewaite, William R. 2,991,837.
Probert, Walter L. 2,999,981.
Reed, Daniel J. 2,987,217.
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Smith, Alexander, and B. D. Baggs, Jr., to S B & S Mfg. Co. Earth banking apparatus. 2,974,735, 3–14–61, Cl. 172—108.

Smith, Alexander, and B. D. Baggs, Jr. Under tree hoe mower. 2,976,663, 3–28–61, Cl. 56—25.4.

Smith, Alexander, and B. D. Baggs, Jr. Lawn mower and propelling vehicle. 2,978,857, 4–11–61, Cl. 56—25.4.

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Smith, Alonzo L. Breakwater. 2,967,398, 1–10–61, Cl. 61—5.

Smith, Alonzo L. Fire extinguisher. 2,988,150, 6–13–61, Cl. 169—2.

Smith, Alonzo L. Air-conduction hearing aid clamps. 3,000,462, 9–19–61, Cl. 181—23.

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Smith, Arthur F. Fractionating processes and apparatus for carrying out the same. 2,993,842, 7–25–61, Cl. 202—64.

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Smith, Arvel C. Portable soldering iron. 2,973,422, 8–28–61, 219—26.

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McKinley, John K., Smith, Dickens, and Ballard. 2,998,379.
Smith, Benjamin F., to Light Metals Corp. Extrusion puller. 3,010,575, 11–28–61, Cl. 207—1.
Smith, Bernard F., to Doro Corp. Etching apparatus. 2,983,062, 5–9–61, Cl. 41—9.
Smith, Billy E. Cartridge shell loading device. 3,014,400, 12–26–61, Cl. 86—33.
Smith-Blair, Inc.: *See*—
Recht, Dwight F. 2,997,316.
Smith, Blakely. Steering control. 2,972,976, 2–28–61, Cl. 115—35.
Smith, Bobbie H., and T. J. Kennedy, to Phillips Petroleum Co. Method of preparing a stable oil extended latex. 2,970,125, 1–31–61, Cl. 260—23.7.
Smith, Bonne, Jr.: *See*—
Smith, Bonnie, Jr. 3,013,384.
Smith, Bonnie, Jr. (now by judicial change of name, Bonne Smith, Jr.). Jet atomic system. 3,013,384, 12–19–61, Cl. 60—35.5.
Smith, Bruce K., to Sperry Rand Corp. Logical circuits employing alternating notation. 2,976,519, 3–21–61, Cl. 340—174.
Smith, Bruce K., to Epsco, Inc. Digital attenuator. 2,976,527, 3–21–61, Cl. 340—347.
Smith, Buford D., to Esso Research and Engineering Co. Purification of refrigerant. 2,972,235, 2–21–61, Cl. 62—84.
Smith, Buford R. Valve. 3,011,521, 12–5–61, Cl. 137—625.37.
Smith, Burton F., B., and W. F. Chapman, to Allied Chemical Corp. Water-repellent compositions, method of waterproofing porous surfaces therewith, and resulting water-repellent surfaces. 3,007,812, 11–7–61, Cl. 117—123.
Smith, C. B.: *See*—
McNiel, Fred A. 2,992,418.
Smith, Calvin O.: *See*—
Bertolini, William A., Caputo, and Smith. 3,004,682.
Smith, Cameron H., to Western Electric Co., Inc. Butt welding fixture. 3,008,035, 11–7–61, Cl. 219—101.
Smith, Carl C., and D. H. McKeough, to Canadian Westinghouse Co. Ltd. Circuit interrupters. 2,997,563, 8–22–61, Cl. 200—148.
Smith, Carl M.: *See*—
Stephens, Frederick J., Smith, and Wilson. 3,010,859.
Smith, Carroll Dunham, Pharmacal Co.: *See*—
Neesby, Torben E., Fuhrmann, Pirclo, and Luts. 2,989,561.
Smith, Carter M.: *See*—
Tarbutton, Grady, Jones, Driskell, and Smith. 2,984,545.
Smith, Cecil R., Jr., C. A. Glass, and I. A. Wolff, III, to United States of America, Agriculture. Method of preparing a drying oil and alkyl esters of all-trans-8,10,12, octadecatrienoic acid. 3,013,037, 12–12–61, Cl. 260—410.7.
Smith, Charles E.: *See*—
Fath, Douglas W., and Smith. 2,989,694.
Gartner, Stanley J., and Smith. 2,995,156.
Greening, Donald J., Peterson, and Smith. 3,007,099.
Spencer, Richard A., Jr., and Smith. 3,012,337.
Smith, Charles J., Jr., deceased (by L. H. Smith, executrix), and J. A. Wood, to Olin Mathieson Chemical Corp. Production of diborane. 2,983,582, 5–9–61, Cl. 23—204.
Smith, Charles L. Hand operated portable mortising device. 2,996,090, 8–15–61, Cl. 144—79.
Smith, Charles M.: *See*—
Day, John T., and Smith. 3,004,046.
Smith, Charles M., to Radio Corp. of America. Spacer for mounting electrical elements on supports. 2,999,895, 9–12–61, Cl. 174—138.
Smith, Charles S., to The Babcock & Wilcox Co. Steam generating unit with gas recirculation means for preventing air heater corrosion. 2,966,897, 1–3–61, Cl. 122—479.
Smith, Charles P., to Jes-Cal Co. Honing head. 2,989,825, 6–27–61, Cl. 51—184.3.
Smith, Charles R., and R. R. Comer. Mower attachment for a tractor. 3,003,299, 10–10–61, Cl. 56—25.4.
Smith, Charles R. F., and E. L. Reed, to North American Aviation, Inc. Graphite boron neutron shielding. 2,988,522, 6–13–61, Cl. 252—478.
Smith, Charles T., to Morpul, Inc. Stitch regulator. 3,007,325, 11–7–61, Cl. 66—90.
Smith, Charles W., to E. I. du Pont de Nemours and Co. Process for preparing photopolymerizable compositions. 3,012,952, 12–12–61, Cl. 204—158.
Smith, Clarence: *See*—
Leonard, Leslie G. A., and Smith. 2,977,732.
Smith, Clarence J.: *See*—
Hodges, Frederick G., Jr., and Smith. 3,012,590.
Smith, Clarence J., and R. M. Peterson, to W. F. & John Barnes Co. Can end seamer. 2,975,740, 3–21–61, Cl. 113—17.
Smith, Clarence M., to The Bryant Electric Co. Wiring device. 2,967,286, 1–3–61, Cl. 339—103.
Smith, Clarence M., to The Bryant Electric Co. Wiring device. 3,001,168, 9–19–61, Cl. 339—164.
Smith, Claude F. Bar accessory. 2,972,417, 2–21–61, Cl. 211—71.
Smith, Clifford E., and J. V. Tuschhoff, to A. E. Staley Mfg. Co. Starch adhesive compositions. 3,004,855, 10–17–61, Cl. 106—213.
Smith, Cloyd D., to General Sound Control, Inc. Silencing means for aircraft. 2,988,302, 6–13–61, Cl. 244—15.
Smith, Cloyd D. Magnetic device. 3,014,751, 12–26–61, Cl. 294—65.5.
Smith-Corona Marchant Inc.: *See*—
Barkdoll, Joseph P. Re. 25,011.
Barkdoll, Joseph P. Re. 25,024.
Dustin, Howard M. 3,001,702.
Kleinschmidt, Edward F. 3,013,118.
Kleinschmidt, Edward F., and Anderson. 2,982,817.
Kleinschmidt, Edward F., Anderson, C. P. and H. A., and Clark, and Sherrick. 2,982,810.
Kleinschmidt, Edward F., Ehrlich, and Podwojski. 3,009,988.
Kleinschmidt, Edward F., and Mankawich. 3,014,095.
Lindberg, Charles A. 2,985,369.
Noller, Harry F. 2,973,981.
Smith, Curtis W.: *See*—
Fischer, Rudolph F., and Smith. 2,987,524.
Smith, Cyrus D. Cup and saucer. 3,008,600, 11–14–61, Cl. 220—23.83.
Smith, Dale L.: *See*—
Jarvis, James G., Smith, and Tyler. 3,003,870.
Smith, Dan: *See*—
Bulkley, William L., and Smith. 3,002,372.
Smith, Darwin G., and S. J. Ketterer, to The Singer Mfg. Co. Thread cutting mechanisms for sewing machines. 2,968,269, 1–17–61, Cl. 112—252.
Smith, David B., to Philco Corp. Cathode ray tube display system for color television. 2,969,423, 1–24–61, Cl. 178—5.4.
Smart, David D., to General Electric Co. Automatic inserter. 2,997,779, 8–29–61, Cl. 29—203.
Smith, David G.: *See*—
Smith, Elmore S. and D. G. 3,002,079.
Smith, David R.: *See*—
Hall, Robert L., and Smith. 2,978,377.
Williams, Barney W., Smith, and McMichael. 2,995,429.
Williams, Barney W., Smith, and McMichael. 2,996,370.
Smith, Daniel L., to D. L. Smith, as trustee. Sanitary ice cream dipper. 2,990,789, 7–4–61, Cl. 107—48.
Smith, Dean E. Device for controlling the evaporation of volatile substances. 2,988,284, 6–13–61, Cl. 239—54.
Smith, Dexter C.: *See*—
Wilkins, Robert E., Smith, and Flieder. 2,990,990.
Smith-Dieterich Corp.: *See*—
Moffitt, George W. 2,993,407.
Smith, Donald D., E. E. Frisch, and O. R. Pierce, to Dow Corning Corp. Difluoroorganochlorosilanes. 2,983,746, 5–9–61, Cl. 260—448.2.
Smith, Donald F., to United States of America, Army. Swivel closure for rotatable containers. 2,978,004, 4–4–61, Cl. 150—.5.
Smith, Donald G., to Lockheed Aircraft Corp. Fail-safe windows. 2,989,787, 6–27–61, Cl. 20—40.
Smith, Donald I.: *See*—
Di Camillo, Eugene J., and Smith. 2,978,062.
Guthrie, John M., Bonk, Allardt, Ashley, Burkheimer, and Smith. 3,010,677.
Guthrie, John M., Harkey, and Smith. 2,972,933.
Smith, Donald L., to Air Reduction Co., Inc. Separation of the elements of air. 2,982,107, 5–2–61, Cl. 62—22.
Smith, Donald L., to Crosley Broadcasting Corp. Automatic light control. 3,010,362, 11–28–61, Cl. 88—24.
Smith, Donald M., and V. E. Sodergren, to General Electric Co. Detent mechanism for a watthour meter. 2,994,412, 8–1–61, Cl. 188—82.7.
Smith-Douglass Co., Inc.: *See*—
Hollingsworth, Clinton A. 2,995,437.
Hollingsworth, Clinton A., and Kirkland. 2,995,436.
Hollingsworth, Clinton A., and Sapp. 3,013,664.
Smith, Dudley C., to Kimble Glass Co. Vitreous enamel. 2,969,293, 1–24–61, Cl. 106—49.
Smith, Dudley H., to Keyes Fibre Co. Cartridge packing means. 2,990,945, 7–4–61, Cl. 206—3.
Smith, E. Quimby, Jr., and W. A. Fiedler. Dual purpose air diffuser for jet engines. 3,014,426, 12–26–61, Cl. 102—49.
Smith, Earl R., and H. L. Ziegler, to Pittsburgh Plate Glass Co. Method and apparatus for preparing composite assembly. 2,974,077, 3–7–61, Cl. 154—2.7.
Smith, Edgar M., to Radio Corp. of America. Electrode support. 2,982,878, 5–2–61, Cl. 313—256.
Smith, Edward A.: *See*—
Rice, Willard H., and Smith. 2,996,887.
Smith, Edward E.: *See*—
Crampton, Gale W., and Smith. 3,002,376.
Smith, Edward H.: *See*—
Tanczos, Frank I., Davis, Smith, and Mullen. 3,008,669.
Smith, Edward J.: *See*—
Cooper, James M., Lichtenstein, and Smith. 2,992,330.
Smith, Edward M.: *See*—
MacCracken, Calvin D., and Smith. 2,969,747.
Smith, Edward P., to The Ohio Brass Co. Cable fault locator. 2,993,167, 7–18–61, Cl. 324—52.
Smith, Edward W., and G. V. Copland, to Halliburton Co. Acoustic detecting and locating apparatus. 2,999,557, 9–12–61, Cl. 181—.5.
Smith, Edwin J.: *See*—
Burgert, Harold E. 2,967,428.
Smith, Edwin J., and M. G. Vucich, to National Steel Corp. Method of electrodepositing aluminum on a metal base. 3,007,854, 11–7–61, Cl. 204—28.
Smith, Edwin W., to Turner Corp. Mechanical device. 3,005,592, 10–24–61, Cl. 239—242.

Smith, Eli F.: *See*—
Giannini, Anthony P., and Smith. 2,997,200.
Smith, Elmore S. and D. G., to Moffats Ltd. Terminal assemblies for electric surface heating units. 3,002,079, 9–26–61, Cl. 219—37.
Smith, Elwin G., & Co., Inc.: *See*—
Mostoller, George. 2,989,157.
Smith Engineering Works: *See*—
Rumpel, Harvey H. 2,975,865.
Smith, Ephraim K. Rear view mirror structure. 2,971,436, 2–14–61, Cl. 88—98.
Smith, Eric, and N. Hosansky, to S. B. Penick and Co. Dihydropyranocoumarin derivatives and process for their production. 2,980,699, 4–18–61, Cl. 260—343.2.
Smith, Ernest L., K. H. Fantes, and W. H. C. Shaw, to Glaxo Laboratories Ltd. Process for separating antibiotics produced by S. ostreogrisens culture. 3,014,841, 12–26–61, Cl. 167—65.
Smith, Eugene T.: *See*—
Crumrine, Herbert E., and Smith. 3,013,346.
Smith, Everett D., to Northrop Corp. Blind rivet stem trimmer. 2,992,482, 7–18–61, Cl. 30—167.
Smith, F. L., & Co.: *See*—
Nielsen, Poul B. 3,002,289.
Smith-Fisher, Inc.: *See*—
Grace, Charles R., and Smith. 2,981,854.
Smith, Fleur B.: *See*—
Bomber, Herbert W., Gold, Wirfel, and Smith. 3,002,801.
Kaplan, Sidney J., Bomzer, Smith, and Gold. 2,973,587.
Smith, Fleur W.: *See*—
Bomzer, Herbert W., Senitzky, and Smith. 2,984,915.
Smith, Floyd M.: *See*—
Hayes, Robert A., and Smith. 2,971,946.
Smith, Frances M., to The La Resista Corset Co. Brassieres. 2,969,067, 1–24–61, Cl. 128—489.
Smith, Francis L., to Republic Aviation Corp. Coupling for flared end tubes including inner and outer sleeve elements. 2,999,700, 9–12–61, Cl. 285—332.3.
Smith, Francis R.: *See*—
Spence, Thomas E., and Smith. 2,998,636.
Smith, Frank W.: *See*—
Spokes, Raymond E., and Smith. 2,966,737.
Smith, Franklin O.: *See*—
Brogan, Norman B., Hill, and Smith. 2,976,728.
Smith, Fred T., to Whiting Corp. Hydraulically operated overhead crane. 2,984,191, 5–16–61, Cl. 105—163.
Smith, Fred T., to Whiting Corp. Constant work output rotary hydraulic device. 2,984,222, 5–16–61, Cl. 121—118.
Smith, Fred T., to Whiting Corp. Hydraulic hoist control circuit. 2,986,884, 6–6–61, Cl. 60—53.
Smith, Fred T., and E. T. Dolin, to The Whiting Corp. Ladle handler. 2,987,786, 6–13–61, Cl. 22—82.
Smith, Frederic B., Jr., and A. Macovski, to Radio Corp. of America. Burst synchronized oscillator system. 3,012,094, 12–5–61, Cl. 178—5.4.
Smith, Frederick H., to The Sharples Corp. Centrifuge. 2,985,361, 5–23–61, Cl. 233—45.
Smith, Frederick M., and J. E. Pritchard, to Phillips Petroleum Co. Vinylcyclohexanethiol modified polymers. 2,973,345, 2–28–61, Cl. 260—79.
Smith, Frederick R., to American Viscose Corp. Colorimetric gas sampler-analyzer. 2,968,536, 1–17–61, Cl. 23—254.
Smith, Frederick R., and H. F. Stuhr, Jr., to American Viscose Corp. Stapler fiber cutter with cutter blade rotated to present successively new cutting portions in each cutting cycle. 2,984,139, 5–16–61, Cl. 83—403.
Smith, Gean, to Luminous Ceilings, Inc. Luminous ceiling structure. 2,972,044, 2–14–61, Cl. 240—9.
Smith, Gean, and G. Tuten, to L. J. Segil Co. (Inc.). Ceiling structure. 2,971,617, 2–14–61, Cl. 189—85.
Smith, Gean, and G. Tuten, to Luminous Ceilings, Inc. V-track ceiling structure. 3,013,644, 12–19–61, Cl. 189—85.
Smith, Geoffrey, ½ to James Armstrong & Co. Sheet folding machines. 2,989,305, 6–20–61, Cl. 270—68.
Smith, George A., to Central Transformer Corp. Method of manufacturing magnetic cores. 2,968,862, 1–24–61, Cl. 29—155.7.
Smith, George A., to Central Transformer Corp. Magnetic strip material for cores of transformers and method of manufacture of such strip material and cores. 2,969,585, 1–31–61, Cl. 29—155.57.
Smith, George A., to Central Transformer Corp. Magnetic cores. 2,995,720, 8–8–61, Cl. 336—217.
Smith, George A., to Central Transformer Corp. Three-phase transformer core. 3,011,141, 11–28–61, Cl. 336—213.
Smith, George E.: *See*—
Boyle, Willard S., and Smith. 3,002,156.
Smith, George E. P., Jr.: *See*—
Bentz, Lloyd O., and Smith. 2,996,483.
Smith, George E. P., Jr., to The Firestone Tire & Rubber Co. Thiocarbamylsulfenamide containing acetylenic group. 2,979,504, 4–11–61, Cl. 260—247.1.
Smith, George E. P., Jr., to The Firestone Tire & Rubber Co. 2-mercaptohydroquinone condensation products. 2,979,513, 4–11–61, Cl. 260—327.
Smith, George L. Anti-siphon anti-backflow valve. 2,990,843, 7–4–61, Cl. 137—218.
Smith, George S.: *See*—
Lazar, Melvin E., Smith, and Chapin. 2,979,412.
Smith, George V.: *See*—
Garofalo, Frank, and Smith. 2,986,922.
Smith, George V., to United States Steel Corp. High-carbon razor blade stock and the like. 2,987,429, 6–6–61, Cl. 148—12.
Smith, George W., R. N. Comes, and J. M. Joyner, to Farrel-Birmingham Co., Inc. Apparatus for demoisturizing plastic materials. 2,985,909, 5–30–61, Cl. 18—2.
Smith, George W., Jr., to Bell Telephone Laboratories, Inc. Pulse generator having means for independently controlling, during successive output periods, amplitude or slope and duration. 3,003,111, 10–3–61, Cl. 328—185.
Smith, Graydon, to Clevite Corp. Position measuring apparatus. 2,981,909, 4–25–61, Cl. 336—30.
Smith, Graydon, to Clevite Corp. Position measuring device. 2,986,714, 5–30–61, Cl. 336—30.
Smith, Graydon, to Clevite Corp. Position measuring apparatus. 2,989,711, 6–20–61, Cl. 336—30.
Smith, Graydon, to Clevite Corp. Position measuring apparatus. 3,003,128, 10–3–61, Cl. 336—75.
Smith, Gus T., to Ace Engineering Co. Carrier tube. 2,977,780, 4–4–61, Cl. 66—126.
Smith, Gus T., to Ace Engineering Co. Carrier tube. 2,977,781, 4–4–61, Cl. 66—126.
Smith, Gus T., to Marvel Specialty Co., Inc. Hosiery inspecting, stacking and bundling apparatus. 2,999,618, 9–12–61, Cl. 223—43.
Smith, H. P. Paper Co.: *See*—
Sherman, Clayton C. 2,984,585.
Smith, Harold A.: *See*—
Pennock, Robert L., Jr., and Smith. 2,982,936.
Smith, Harold E.: *See*—
Kneen, Eric, and Smith. 3,014,847.
Smith, Harold K. Digger wheel, pump and motor unit for dredges. 2,991,568, 7–11–61, Cl. 37—66.
Smith, Harold R.: *See*—
Stange, Charles W., and Smith. 3,000,549.
Smith, Harold S., and R. R. Walker; said Smith assor. to Combustion Engineering Inc., and said Walker assor. to Bailey Meter Co. Combustion control. 2,986,645, 5–30–61, Cl. 290—2.
Smith, Harris W.: *See*—
Hunter, Robert H., Hanje, and Smith. 3,001,573.
Hunter, Robert H., Hanje, and Smith. 3,002,551.
Smith, Harry: *See*—
Doyle, Frank P., Nayler, and Smith. 2,985,648.
Smith, Harry B.: *See*—
Fell, Thomas T., Skillman, Mooney, Smith, and Goetz. 3,011,166.
Smith, Harry B., and D. H. Mooney, Jr., to Westinghouse Electric Corp. Pulse doppler radar system. 2,997,708, 8–22–61, Cl. 343—8.
Smith, Harry C., Jr. Fishing rod wrapping device. 2,989,255, 6–20–61, Cl. 242—7.
Smith, Harry E. and M. I. Cigarette, etc., holder. 2,991,789, 7–11–61, Cl. 131—257.
Smith, Harry F.: *See*—
Frederick, Leroy S. 3,001,303.
Smith, Harry J. Fluid flow indicator. 2,988,069, 6–13–61, Cl. 123—41.15.
Smith, Harry J., and W. G. Wing, to Sperry Rand Corp. Accelerometers. 2,973,647, 3–7–61, Cl. 73—497.
Smith, Harry V., R. S. Grant, and W. C. Jones, to Owens-Corning Fiberglas Corp. Binder curing of fibrous masses. 2,997,739, 8–29–61, Cl. 18—6.
Smith, Harvey C. Fire detector. 2,974,210, 3–7–61, Cl. 200—142.
Smith, Harvey J., to Modern Metal Products Co. Display rack. 2,987,195, 6–6–61, Cl. 211—175.
Smith, Harvey J., to Modern Metal Products Co. Card mailing cabinet and desk combinaiton. 3,012,348, 12–12–61, Cl. 40—124.
Smith, Herman N. Display bracket device. 3,008,254, 11–14–61, Cl. 40—1.
Smith, Henry, to J. & H. Smith Mfg. Co. Voltage step-down signal device. 2,967,955, 1–10–61, Cl. 307—157.
Smith, Henry L.: *See*—
Rafferty, Alphonsus W. 2,990,960.
Smith, Henry O.: *See*—
Lamb, Sidney A., Smith, and Norcross. 2,991,232.
Smith, Henry S. Monorail constructions. 2,985,376, 5–23–61, Cl. 238—122.
Smith, Herbert H., to National Malleable and Steel Castings Co. Draft and buffing gear. 2,987,196, 6–6–61, Cl. 213—75.
Smith, Herman W., to Aluminum Co. of America. Bottle cap detector. 2,982,862, 5–2–61, Cl. 250—223.
Smith, Herschel G.: *See*—
Cantrell, Troy L., and Smith. 2,990,370.
Smith, Hinsdale, Jr., to International Business Machines Corp. Print transferring machine. 2,967,478, 1–10–61, Cl. 101—134.5.
Smith, Homer A.: *See*—
Goodwin, Manfred E., Sawyer, and Smith. 2,969,337.
Smith, Horace V., to Oil Metering and Processing Equipment Corp. Electrically controlled liquid metering apparatus. 2,966,798, 1–3–61, Cl. 73—224.
Smith, Horace V., to Oil Metering and Processing Equipment Corp. Multipurpose separator. 2,984,360, 5–16–61, Cl. 210—104.
Smith, Horace V., to Oil Metering and Processing Equipment Corp. Apparatus and method for testing liquid shrinkage. 2,990,714, 7–4–61, Cl. 73—53.
Smith, Horace V., to Oil Metering and Processing Equipment Corp. Metering apparatus and hydrostatic head control system. 3,001,399, 9–26–61, Cl. 73—223.

Smith, Hosea E., to Esso Research and Engineering Co. Apparatus for testing heat exchangers. 2,995,028, 8–8–61, Cl. 73—40.

Smith, Howard C., to Sun Oil Co. Valve operator arrangement. 3,010,340, 11–28–61, Cl. 74—625.

Smith, Howard G.: *See*—
Krause, Lloyd O., and Smith. 2,985,878.

Smith, Howard, Paper Mills Ltd.: *See*—
Cambron, Emile A. 2,991,194.
Cambron, Emile A. 3,006,874.
Cambron, Emile A. 3,006,883.
Mendham, Ronald W. 3,012,330.
Olszowka, Edward P. 2,981,223.

Smith, Hugo C., to Hugo C. Smith Corp. Refrigeration unit. 2,976,699, 3–28–61, Cl. 62—278.

Smith, Hugo C., Corp.: *See*—
Smith, Hugo C. 2,976,699.

Smith, Hugh R., Jr.: *See*—
Hanks, Charles W., Hunt, and Smith. 2,997,760.

Smith, Hugh R., Jr., to Temescal Metallurgical Corp. High-vacuum evaporator. 2,998,376, 8–29–61, Cl. 204—298.

Smith, Hugh R., Jr., to Stauffer Chemical Co. Apparatus for centrifugal casting. 3,013,315, 12–19–61, Cl. 22—65.

Smith, Ira D., to Cleveland Pneumatic Industries, Inc. Landing gear damper. 2,968,455, 1–17–61, Cl. 244—103.

Smith, Ira D., to Cleveland Pneumatic Industries, Inc. Liquid spring. 2,985,443, 5–23–61, Cl. 276—1.

Smith, Ira D., to Cleveland Pneumatic Industries, Inc. Double acting liquid spring. 3,012,769, 12–12–61, Cl. 267—64.

Smith, Irving. World clock. 3,002,337, 10–3–61, Cl. 58—44.

Smith, J. & H., Mfg. Co.: *See*—
Smith, Henry. 2,967,955.

Smith, Jack A.: *See*—
Skakel, James C., and Smith. 3,010,232.

Smith, Jack C., to Jersey Production Research Co. Apparatus for calibrating seismic velocity loggers. 2,970,666, 2–7–61, Cl. 181—5.

Smith, Jack C., to Detrex Chemical Industries, Inc. Control means for solvent recovery machine. 3,002,287, 10–3–61, Cl. 34—45.

Smith, Jack C., E. E. Etterman, and R. T. Romine, to Detrex Chemical Industries, Inc. Automatic filter powder dispenser. 3,010,615, 11–28–61, Cl. 222—227.

Smith, Jack C., E. E. Etterman, and R. T. Romine, to Detrex Chemical Industries, Inc. Automatic drycleaning still. 3,011,956, 12–5–61, Cl. 202—206.

Smith, Jack D.: *See*—
Grace, Charles R., and Smith. 2,981,854.

Smith, James A.: *See*—
Carlisle, Charles H., Chalmers, and Smith. 2,967,291.

Smith, James E., to Crown Zellerbach Corp. Heat sealable label roll and method of making the same. 2,984,342, 5–16–61, Cl. 206—59.

Smith, James E., to Crown Zellerbach Corp. Method of packaging perishable foods. 2,984,573, 5–16–61, Cl. 99—172.

Smith, James F., to American Iron & Machine Works Co., Inc. Piston and piston ring. 2,987,353, 6–6–61, Cl. 309—4.

Smith, James J., R. E. Prouty, and J. A. Keirans, to Essex Wire Corp. Motor starter switch. 2,984,722, 5–16–61, Cl. 200—113.

Smith, James G.: *See*—
Bell, Alan, Smith, and Kibler. 3,012,994.

Smith, James G., to E. I. du Pont de Nemours and Co. Process and apparatus for preparing novelty yarns. 2,975,474, 3–21–61, Cl. 18—8.

Smith, James K.: *See*—
Wintermute, Glenn E., Smith, and Leben. 3,012,926.

Smith, James L.: *See*—
Harrington, Robert C., Jr., and Smith. 2,989,406.

Smith, James L., to Leonard Electronics, Inc. Voltage comparator circuitry. 2,976,729, 3–28–61, Cl. 73—342.

Smith, James R. E.: *See*—
Achorn, Glenwood B., Jr., Bokesch, Dapper, Lebherz, Schwab, Smith, Rawson, and Metcalfe. 2,981,660.

Smith, James T: *See*—
Hauer, Edward R., and Smith. 3,007,242.

Smith, James T., to International Business Machines Corp. Magnetic transducer. 2,968,799, 1–17–61, Cl. 340—174.1.

Smith, James T., to International Business Machines Corp. Information storage in glow discharge devices. 2,977,505, 3–28–61, Cl. 315—84.5.

Smith, James T., and J. Denza. Paint color dispensing machine. 2,979,233, 4–11–61, Cl. 222—135.

Smith, Jay, Jr.: *See*—
Snyder, William M., and Smith. 2,969,673.

Smith, Jerome C.: *See*—
Gartner, Stanley J., and Smith. 2,993,981.

Smith, Joe B., and J. A. Gaylord, to H. Koch & Sons. Survival kits for flight personnel. 2,992,798, 7–18–61, Cl. 244—138.

Smith, Joe D. Ice cream freezer. 2,993,350, 7–25–61, Cl. 62—342.

Smith, Joe H., to Texas Instruments Inc. Magnetic sensing cut-off system. 2,994,574, 8–1–61, Cl. 346—74.

Smith, John A. Flower holder. 3,013,758, 12–19–61, Cl. 248—153.

Smith, John C., to The Dow Chemical Co. Production of ethers by reaction of phenols with 3-chloro-1,2-propylene carbonate. 2,967,892, 1–10–61, Cl. 260—613.

Smith, John E.: *See*—
Nowicki, Henry F., Quinnell, and Smith. 2,990,792.

Smith, John E., and R. L. Ensinger, to Holley Carburetor Co. Fluid pumps. 2,980,023, 4–18–61, Cl. 103—6.

Smith, John F. Method of and apparatus for manufacturing compressed articles. 2,996,759, 8–22–61, Cl. 18—165.

Smith, John F., to E. I. du Pont de Nemours and Co. Process of preparing cured elastomeric copolymer of vinylidene fluoride and hexafluoropropene. 3,008,916, 11–14–61, Cl. 260—41.

Smith, John F., to E. I. du Pont de Nemours and Co. Use of diallyl terephthalate or tetraallyl terephthalamide to promote the curing of fluorocarbon elastomers with dicumyl peroxide and magnesium oxide. 3,011,995, 12–5–61, Cl. 260—41.

Smith, John G., to Burroughs Corp. Item handling apparatus. 2,970,836, 2–7–61, Cl. 271—71.

Smith, John H. Portable hydraulic jack. 2,998,960, 9–5–61, Cl. 254—2.

Smith, John J.: *See*—
Leopold, Wilbur R., Jr., and Smith. 2,994,341.
Mueller, Frank H., and Smith. 2,966,814.
Mueller, Frank H., and Smith. 2,986,958.
Mueller, Frank H., and Smith. 3,002,775.

Smith, John J., to The Rowan Controller Co. Cycle control. 2,993,966, 7–25–61, Cl. 200—38.

Smith, John J., to Mueller Co. Rotary plug valve. 2,994,503, 8–1–61, Cl. 251—110.

Smith, John J., and J. E. Duncan, to Pittsburgh Plate Glass Co. Yellow-green optical glass. 2,991,185, 7–4–61, Cl. 106—52.

Smith, John O., and B. C. Gardner, to Courtaulds Ltd. Crimped regenerated cellulose fibres. 2,986,446, 5–30–61, Cl. 18—54.

Smith, John O., and D. N. Tyler, to Courtaulds Ltd. Production of regenerated cellulose filaments. 2,997,365, 8–22–61, Cl. 18—54.

Smith, John O., Jr.: *See*—
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Morway, Arnold J., and Smith. 2,976,243.

Smith, John R. Vacuum dandruff hair brush. 2,999,263, 9–12–61, Cl. 15—344.

Smith, John R. Vacuum dandruff hair brush. 3,011,207, 12–5–61, Cl. 15—344.

Smith, John R., Jr., to Smith's Bakery, Inc. Rack attachments. 2,989,193, 6–20–61, Cl. 211—183.

Smith, Joseph A.: *See*—
Jacobson, George P., and Smith. 3,010,574.

Smith, John W. Ash tray. 2,969,797, 1–31–61, Cl. 131—242.

Smith, John W., to Battle Creek Packaging Machines, Inc. Wrapper feeding mechanism for wrapping machines adapted to handle limp films. 2,982,077, 5–2–61, Cl. 53—389.

Smith, Joseph A., A. F. Steinhauer, and J. C. Valenta, to The Dow Chemical Co. Dry cleaning solvent containing haloalkyldiphenyl oxide sulfonates. 2,992,999, 7–18–61, Cl. 252—161.

Smith, Joseph H.: *See*—
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Smith, Joseph H. Holder for flower pots and other articles. 3,001,753, 9–26–61, Cl. 248—313.

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Smith, Keith J.: *See*—
Newcomer, Jack S., Smith, and Linder. 3,014,965.

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Smith, Kenneth F.: *See*—
Schneiter, Henry J., and Smith. 2,967,780.

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Anderson, Elvin L., and Reiff. 2,989,539.
Bolling, Charles L., and Stevenson. 3,011,945.
Cook, Leonard, and Fellows. 2,974,148.
Di Carlo, Mario J. 2,998,500.
Edgerton, William H., Gordon, and Wilson. 3,000,886.
Flores, Minerva C., and Loev. 2,989,538.
Georgian, Vlasios, Kerwin, and Wolff. 2,983,736.
Georgian, Vlasios, Kerwin, and Wolff. 3,007,922.
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Kerwin, James F., and Wolff. 2,975,174.
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Loev, Bernard, and Mosher. 2,969,374.
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McLean, Richard A., and Mohrbacher. 2,987,442.
Mesnard, Howard W., Rosen, and Scott. 2,986,475.
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Smith, Laird. Motorboat propelling and steering unit. 2,975,750, 3–21–61, Cl. 115—41.
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Smith, Larrabee M., to Bell Telephone Laboratories, Inc. Transistor pulse generator. 3,007,058, 10–31–61, Cl. 307—88.5.
Smith, Larry E. Safety razor steadying attachment. 3,010,204, 11–28–61, Cl. 30—90.
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Smith, Lester L., to Automatic Electric Laboratories, Inc. Selective signaling radiotelephone system. 2,971,085, 2–7–61, Cl. 250—6.
Smith, Lester L., to Automatic Electric Laboratories, Inc. Incoming telephone call PABX restrictive service. 3,014,989, 12–26–61, Cl. 179—26.
Smith, Lester L., and F. E. Randall; said Randall assor. to said Smith. Tool and method for securing sheet metal pieces together. 3,010,199, 11–28–61, Cl. 29—509.
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Broadhead, James H., Johnson and Smith. 3,003,297.
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Smith, Louis R. Rubbish reducer. 3,010,665, 11–28–61, Cl. 241—99.
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Greenley, Harold H., and Smith. 2,968,764.
Smith, Lynne R.: *See*—
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Smith, Malcolm K.: *See*—
Ehrlich, Arthur, and Smith. 2,984,679.
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Smith, Martin R., and C. Bednars, to The M. W. Kellogg Co. General reforming process. 3,006,840, 10–31–61, Cl. 208—82.
Smith, Marvin A., to Universal Oil Products Co. Apparatus for the manufacture of spherical particles. 2,980,628, 4–18–61, Cl. 252—359.
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Smith, Oscar C. Method and apparatus for preventing moisture accumulation in tanks. 2,976,950, 3–28–61, Cl. 183—4.3.
Smith, Owen A. Coal conveyor. 2,990,942, 7–4–61, Cl. 198—214.
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Smith, Paul C. Folding high chair. 3,012,815, 12–12–61, Cl. 297—40.
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Smith, Pierre F., and L. D. King, Stabilization of effervescent carbonate powders. 2,984,543, 5–16–61, Cl. 23—64.
Smith, Preston W., Jr., and M. C. Junger, to Acoustica Associates, Inc. Sonic wave conductor. 2,998,723, 9–5–61, Cl. 73—290.
Smith, Ralph B., and C. G. Tolson, to American Air Filter Co., Inc. Centrifugal fan wheel. 3,013,714, 12–19–61, Cl. 230—134.
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Smith, Randlow, and C. W. Petterson, to Texaco Inc. Sulfuric acid alkylation with effluent refrigeration and depropanizer bottoms flashing. 2,988,580, 6–13–61, Cl. 260—683.62.
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Smith, Robert A., to American Viscose Corp. Fiber drafting analyzer. 3,005,340, 10–24–61, Cl. 73—159.
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Smith, Robert M., to Universal Oil Products Co. Manufacture of platinum-containing alumina catalyst. 3,003,973, 10–10–61, Cl. 252—441.
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Smith, Robert P., and J. A. Christ, to Vapor Heating Corp. Electro pneumatic temperature control system. 2,975,976, 3–21–61, Cl. 236—78.
Smith, Robert W., to General Motors Corp. Spark plug with improved auxiliary spark gap. 2,988,662, 6–13–61, Cl. 313—124.
Smith, Robert W., R. E. Schwyn, and K. Schwartzwalder, to General Motors Corp. Method of making composite metal members. 3,010,196, 11–28–61, Cl. 29—420.5.

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Smith, Samuel, to Stevens & Bullivant Ltd. Rotary swaging or forging machines. 3,002,406, 10–3–61, Cl. 78—21.
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Smith, Thomas C., to United States of America, Navy. Condition responsive fuzing system. 2,980,020, 4–18–61, Cl. 102—70.2.
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Smith, Thomas R., and S. W. Faust, to The Maytag Co. Automatic dispenser for washing machine. 2,993,357, 7–25–61, Cl. 68—207.
Smith, Thomas W., to The English Electric Co. Ltd. Jet pipe ejector nozzles. 2,974,481, 3–14–61, Cl. 60—35.6.
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Ferm, Glenn O., Smith, and Albrighton. 2,967,232.
Smith, Willis R., to General Railway Signal Co. Centralized traffic control system for railroads. 3,008,041, 11–7–61, Cl. 246—5.
Smith, Winthrope C.: *See*—
Higgins, John J., and Smith. 2,985,608.
Umland, Carl W., II, Gessler, and Smith. 3,003,990.
Smith, Winthrope C., to Esso Research and Engineering Co. Vulcanization of isoolefin-polyolefin polymers. 3,007,889, 11–7–61, Cl. 260—38.
Smithberg, Stuart B.: *See*—
Seehof, Jerrold M., Armstrong, and Smithberg. 2,990,493.
Smithe, F. L., Machine Co., Inc.: *See*—
Novick, Abraham. 2,986,976.
Novick, Abraham. 3,001,505.
Novick, Abraham. 3,009,558.
Novick, Abraham. 3,012,774.
Novick, Abraham. 3,013,527.
Smithers, Phillip G. K., to Trico Products Corp. Windscreen wipers. 2,994,900, 8–8–61, Cl. 15—250.34.
Smithers, V. L., Mfg. Co., The: *See*—
Jackson, James M., Jr. 2,994,985.
Smithers, Vernon L. 3,003,284.
Smithers, Vernon L., to The V. L. Smithers Mfg. Co. Compote for floral arrangements. 3,003,284, 10–10–61, Cl. 47—41.
Smithey, William R., Jr., to Virginia-Carolina Chemical Corp. Process for the manufacture of mixed phosphorothioate esters. 3,004,054, 10–10–61, Cl. 260—461.
Smith-Johannsen, Robert, to Chemelex, Inc. Electrically conductive compositions and the process of making the same. 2,991,257, 7–4–61, Cl. 252—506.

Smith-Johannsen, Robert, to Chemelex, Inc. Zinc silicate sols, their preparation and use in making electrically conductive compositions, films and heating elements. 2,995,529, 8–8–61, Cl. 252—506.
Smith-Johannsen, Robert, to Chemelex, Inc. Inorganic compositions and method of making the same. 3,002,862, 10–3–61, Cl. 117—226.
Smith-Miller, Theodore R. Device for mounting chains on vehicles. 2,990,737, 7–4–61, Cl. 81—15.8.
Smiths America Corp.: *See*—
Henderson, Cyril. 2,974,769.
Majendie, Alastair M. A. 2,978,674.
Majendie, Alastair M. A. 2,998,600.
Majendie, Alastair M. A., and Pollak. 2,972,893.
Steadman, Clifford S. 2,990,927.
Smith's Bakery, Inc.: *See*—
Smith, John R. Jr. 2,989,193.
Smithson, Charles B., to National Union Electric Corp. Filter bag mounting means for suction cleaner. 2,995,206, 8–8–61, Cl. 183—51.
Smithson, Charles B., and R. A. McCallum, to National Union Electric Corp. Vacuum cleaner nozzle. 3,002,217, 10–3–61, Cl. 15—382.
Smithson, James W., to International Minerals & Chemical Corp. Sampling apparatus. 3,005,347, 10–24–61, Cl. 73—423.
Smith-Vaniz, William R., to C.G.S. Laboratories, Inc. Multiple-feedback amplifier series motor control system. 2,978,-624, 4–4–61, Cl. 318—249.
Smith-Vaniz, William R., Jr., to C.G.S. Laboratories, Inc. Methods and apparatus for automatic conversion of international morse code signals to teleprinter code. 2,996,577, 8–15–61, Cl. 178—26.
Smitley, Marion L.: *See*—
Sterner, Melvin F., Smitley, and Zaske. 3,007,682.
Smitley, Marion L., to Holley Carburetor Co. Automatic choke. 2,970,825, 2–7–61, Cl. 261—144.
Smitley, Marion L., to Holley Carburetor Co. Automatic choke. 2,988,344, 6–13–61, Cl. 261—39.
Smoker, Isaac Z., and C. Ritchey, to Sperry Rand Corp. Manure spreader. 3,010,726, 11–28–61, Cl. 275—4.
Smolář, František, to Meopta, narodni podnik. Speed control and signal in motion picture camera. 3,006,239, 10–31–61, Cl. 88—16.
Smolen, Benjamin E., and A. G. Timoner. Indicating toy target. 2,992,003, 7–11–61, Cl. 273—102.1.
Smolen, Sam R.: *See*—
Kowalski, Slawomir, Worden, and Smolen. 2,971,537.
Smolin, Edwin M.: *See*—
Dixon, James K., Smolin, and Saunders. 2,976,333.
Smolin, Edwin M., J. K. Dixon, and K. W. Saunders, to American Cyanamid Co. Production of aromatic compounds. 2,976,334, 3–21–61, Cl. 260—669.
Smoll, Allen E., and J. E. Van Ness, to Stewart-Warner Corp. Conveyor control system. 2,990,965, 7–4–61, Cl. 214—11.
Smout, Donald D., to The British Oxygen Co. Ltd. Electric arc welding. 2,997,571, 8–22–61, Cl. 219—126.
Smulders, Ludovicus J. P.: *See*—
Te Nuyl, Johannes A., and Smulders. 3,007,512.
Smulski, Theodore J., to The Anderson Co. Time-measuring method and apparatus. 2,978,861, 4–11–61, Cl. 58—23.
Smulski, Theodore J., to The Anderson Co. Electric clock. 2,979,629, 4–11–61, Cl. 310—39.
Smutz, Walter D.: *See*—
Sears, George W., Jr., and Smutz. 2,992,262.
Smyser, Clifford: *See*—
Smyser, Elmer D. 2,986,838.
Smyser, Elmer D., deceased; C. Smyser, executor, to J. M. Smyser. Combination sinker and bass plug. 2,986,838, 6–6–61, Cl. 43—42.36.
Smyser, James A. Tire supporting and inflating apparatus. 2,969,096, 1–24–61, Cl. 144—288.
Smyser, James A. Tire chuck. 2,980,950, 4–25–61, Cl. 18—2.
Smyser, Julia M.: *See*—
Smyser, Elmer D. 2,986,838.
Smyth, Charles N., to National Research Development Corp. Pressure measuring apparatus. 2,966,795, 1–3–61, Cl. 73—78.
Smyth, Donald M.: *See*—
Hutt, Stanley D., Smyth, and Stefanski. 2,968,687.
Smyth, George F.: *See*—
Turner, Horace J., and Smyth. 2,976,543.
Smyth, Henry L. R., to National Research Council. Lamp flasher with daylight-responsive inhibiting means. 2,973,-456, 2–28–61, Cl. 315—159.
Smyth, Henry L. R., to National Research Council. Navigation light changer having lamp current monitor. 2,998,-541, 8–29–61, Cl. 315—89.
Smyth Mfg. Co., The: *See*—
Schramm, Carl. 3,009,179.
Schramm, Carl. 3,009,180.
Smyth, Rex W.: *See*—
Carter, Charles E., and Smyth. 2,978,513.
Smyth-Davila, Rodrigo M. Helicopter. 2,980,187, 4–18–61, Cl. 170—135.24.
Smyth-Davila, Rodrigo M. Helicopter. 3,012,614, 12–12–61, Cl. 170—135.22.
Smythe, Carl V., to Rohm & Haas Co. Stabilized diastatic enzyme compositions. 2,979,440, 4–11–61, Cl. 195—64.
Smythe, Frederic H., to Hamilton Watch Co. Battery clip. 2,985,705, 5–23–61, Cl. 136—173.
Smythe, William J.: *See*—
Schwencke, Edmund J., and Smythe. 3,006,869.
Snable, Myron A. Squeeze container with applicator. 2,994,897, 8–8–61, Cl. 15—543.
Snap-On Tools Corp.: *See*—
Hockney, Fred B. 2,995,965.
Snapp, Rex J. Door frame profile gauge. 2,973,584, 3–7–61, Cl. 33—194.
"Snappy," Inc.: *See*—
Greenlaw, Lyle E. 3,010,738.
Anderson, Leroy E., and St. Marie. 3,007,722.
Snavely, Benjamin L., to United States of America, Navy. Gating circuit for scanning trace converter. 3,003,066, 10–3–61, Cl. 250—219.
Sneath, Oswald B., to Multitone Electric Co. Ltd. Transmitters for electromagnetic communication systems. 2,995,656, 8–8–61, Cl. 250—40.
Snedeker, Robert H., to Union Carbide Corp. Process for preparing poly (ethylene oxide) film by calendering. 3,004,296, 10–17–61, Cl. 18—57.
Snell, Foster D.: *See*—
Hass, Henry B., Snell, Osipow, and York. 2,970,962.
Snell, Foster D., Inc.: *See*—
Snell, Foster D., and Osipow. 3,009,872.
Snell, Foster D., and L. I. Osipow, to Foster D. Snell, Inc. Water softening. 3,009,872, 11–21–61, Cl. 210—29.
Snell, Harm D., to N. W. Wise. Multiple reaming tool. 2,991,670, 7–11–61, Cl. 77—73.5.
Snell, Jacob K.: *See*—
Larew, John J., and Snell. 2,981,845.
Snell, Joan B. Apparatus and method for studying earth profile by means of topographic maps. 3,010,210, 11–28–61, Cl. 33—97.
Snell, Reginald J. V.: *See*—
Saunders, Ronald A., Simmons, and Snell. 3,001,745.
Snell, Robert B., to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive tape roll. 3,006,464, 10–31–61, Cl. 206—59.
Snell, William R. Wide angle rear view mirror for vehicles. 3,009,392, 11–21–61, Cl. 88—87.
Snelling, Charles D. Plastic foam packaging. 2,971,640, 3–14–61, Cl. 206—46.
Snelling, Eric C., and P. D. Gribble, to The Mullard Radio Valve Co. Ltd. Geophysical survey apparatus. 2,995,699, 8–8–61, Cl. 324—4.
Snelling, L. C., (London) Ltd.: *See*—
Ford, Ralph E. 2,974,816.
Snellman, Roger, to Harbison-Walker Refractories Co. Suspended furnace roof block. 2,997,008, 8–22–61, Cl. 110—99.
Snelson, Howard J., and W. L. Prior, to Tectum Corp. Apparatus for steam treating fibrous panels. 2,975,470, 3–21–61, Cl. 18—4.
Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa-Societa per Azioni: *See*—
Noberasco, Massimiliano. 3,001,263.
Snider, Kenneth M., to Water Purification, Inc. Apparatus for the purification, neutralization, clarification and softening of liquids. 2,973,097, 2–28–61, Cl. 210—279.
Snider, Stanley R. Boat. 2,969,551, 1–31–61, Cl. 9—2.
Snijders, Pieter W.: *See*—
Bradfute, John O., and Snijders. 3,009,716.
Snipes, Rollie J., to Gulf Oil Corp. Oil, gas, and water separator 2,998,096, 8–29–61, Cl. 183—2.7.
Snitzer, Elias: *See*—
Beard, Richard B., and Snitzer. 2,999,379.
Snitzer, Saul, to B-W Footwear Co. Golf shoe. 3,010,229, 11–28–61, Cl. 36—2.5.
Snoberger, Philip H., to Robertshaw-Fulton Controls Co. Refrigerator compressor control. 2,971,070, 2–7–61, Cl. 200—83.
Snoeyenbos, David R.: *See*—
Heth, Sherman C., and Snoeyenbos. 2,989,829.
Snoeyenbos, Gordon E., and G. W. Johnson, to Malleable Research and Development Foundation. Method of making and mounting foundry patterns. 3,004,311, 10–17–61, Cl. 22—191.
Snook, Roger M. Reversible blade saw handle. 2,996,091, 8–15–61, Cl. 145—31.
Snow, Arthur, F. A. E. Porter, and A. W. Tomalin. Collecting measured quantities of liquid. 3,004,567, 10–17–61, Cl. 141—130.
Snow, Carl A.: *See*—
Foote, James E., and Snow. 2,974,834.
Snow, Chester A., Jr., and A. A. Klehba, to The Gray Manufacturing Co. Transducer assembly. 3,003,772, 10–10–61, Cl. 274—23.
Snow, Floyd E., and J. O. York, to Coast Pro-Seal & Mfg. Co. Applicator and mixer for viscous materials. 2,979,237, 4–11–61, Cl. 222—413.
Snow, George E., to The New Jersey Zinc Co. Electrolytic cell for production of titanium. 2,998,373, 8–29–61, Cl. 204—246.
Snow, Gerald A.: *See*—
Jackson, Charles E., and Snow. 3,010,010.
Snow, Henry J.: *See*
Kleist, Dale, and Snow. 2,972,209.
Snow, Henry J., to Owens-Corning Fiberglas Corp. Method and apparatus for forming fibers. 3,014,235, 12–26–61, Cl. 18—2.5.
Snow, Henry J., to Owens-Corning Fiberglas Corp. Apparatus for forming fibers. 3,014,236, 12–26–61, Cl. 18—2.5.
Snow, John E.: *See*—
Gottesman, Roy T., and Snow. 2,970,163.
Snow, John E. Arrestor brake. 2,991,850, 7–11–61, Cl. 188—151.

Snow, Kenneth T.: *See*—
Hankus, Chester P. 2,996,181.
Snow, Kenneth T., to International Harvester Co. Corn picker. 2,974,465, 3–14–61, Cl. 56—18.
Snow, Marvin. Pressure balancing valves. 2,990,840, 7–4–61, Cl. 137—99.
Snow, Quentin L., and J. T. Weiller. Golf shoe cleaner. 2,980,936, 4–25–61, Cl. 15—113.
Snow, Robert G.: *See*—
Berryhill, Joseph L., and Snow. 3,014,163.
Snow, Warren S.: *See*—
Smiley, Edwin C., and Snow. 2,990,176.
Snowden, William A., Jr. Heat reducing cigarette filter. 2,998,819, 9–5–61, Cl. 131—10.
Snowdon, Arthur E., to The Superior Electric Co. Variable voltage transformer. 2,976,476, 3–21–61, Cl. 323—43.5.
Snow Flake Canning Co.: *See*—
Cyr, Joseph W. 2,973,276.
Snoy, Joseph B., to Borg-Warner Corp. Hydraulic clutch control. 2,979,963, 4–18–61, Cl. 74—364.
Snoy, Joseph B., to Borg-Warner Corp. Transmission control. 3,006,219, 10–31–61, Cl. 74—730.
Snoy, Joseph B., to Borg-Warner Corp. Hydraulic one-way clutch. 3,007,313, 11–7–61, Cl. 60—54.
Snyder, Alton G.: *See*—
Lambert, Harry L., Page, and Snyder. 3,011,618.
Page, Paul F., Lambert, and Snyder. 2,979,277.
Snyder, Bettie L.: *See*—
Fabanich, John P. 2,967,306.
Snyder, Charles C.: *See*—
Barden, Wayne A., Wagner, and Snyder. 2,969,443.
Snyder, Charles E. Oxygen door. 2,980,112, 4–18–61, Cl. 128—191.
Snyder, Charles G., to Anning-Johnson Co. Fluid flow regulating and indicating apparatus. 3,010,316, 11–28–61, Cl. 73—203.
Snyder, Christopher L., to Steatite Research Corp. Pulse code generator assembly. 3,007,067, 10–31–61, Cl. 310—111.
Snyder, Clifford H., and M. D. Thompson, to C. H. Snyder. Apparatus for maintaining solids in suspension and for maintaining accurate proportions of treating solutions and for applying the same. 2,988,286, 6–13–61, Cl. 239—124.
Snyder, Donald L., M. Gisleberg, and R. A. Helwig, to Sylvania Electric Products Inc. Lamp inspection apparatus. 3,003,634, 10–10–61, Cl. 209—111.5.
Snyder, Donald L., and R. A. Helwig, to Sylvania Electric Products Inc. Lamp testing apparatus. 3,006,467, 10–31–61, Cl. 209—80.
Snyder, Duane W. Method of making a mosaic of predetermined design. 3,002,309, 10–3–61, Cl. 41—23.
Snyder, Edwin F.: *See*—
Algren, Axel B., and Snyder. 2,986,018.
Snyder, George H., Inc.: *See*—
Snyder, George H., Jr. 2,998,879.
Snyder, George H., Jr., to George H. Snyder, Inc. Slide container. 2,998,879, 9–5–61, Cl. 206—1.
Snyder, Glenn M., to Landis Tool Co. Control actuating means for machine element having a variable zone of movement. 2,969,625, 1–31–61, Cl. 51—165.
Snyder, Hartland S., and R. F. Hummer, to United States of America, Navy. Infrared tracker. 3,012,148, 12–5–61, Cl. 250—203.
Snyder, Henry J., and P. C. Lawson, to Pittsburgh Plate Glass Co. Pressing apparatus for glass laminates. 2,982,679, 5–2–61, Cl. 154—2.7.
Snyder, Herman B., and L. M. Rosenberg, to Boeing Airplane Co. Chemical milling process and composition. 2,981,610 4–25–61, Cl. 41—42.
Snyder, Jack D. Pipe gauge. 3,000,102, 9–19–61, Cl. 33—143.
Snyder, John A., to Union Carbide Corp. Flame retarded polyethylene. 2,993,019, 7–18–61, Cl. 260—28.5.
Snyder, John R.: *See*—
Nedwick, John J., and Snyder. 2,969,395.
Snyder, John W.: *See*—
Clarke, Ford K., Maines, and Snyder. 2,986,846.
Snyder, Joseph Q.: *See*—
Engelbrecht Robert M., and Snyder. 3,004,930.
Engelbrecht Robert M., and Snyder. 3,005,033.
Snyder, Lenard D., and R. E. Throne, to Joy Mfg. Co. Split kelly driver. 2,979,926, 4–18–61, Cl. 64—23.6.
Snyder, Linus S. Mechanic's scaffold. 2,970,668, 2–7–61, Cl. 182—116.
Snyder, Mahlon C. Constant pressure valve. 2,986,159, 5–30–61, Cl. 137—493.
Snyder, Miles A.: *See*—
Ragan, Robert O., and Snyder. 3,005,391.
Snyder, Peter J. Rotary engine. 2,997,848, 8–29–61, Cl. 60—39.61.
Snyder, Richard A., to Crescent Brass and Pin Co. Sheet metal nail with spreading legs. 3,003,386, 10–10–61, Cl. 85—13.
Snyder, Robert F., to Goodyear Tire & Rubber Co. Electric temperature control. 3,009,046, 11–14–61, Cl. 219—20.
Snyder, Robert W., and R. J. De Gray, to The Standard Oil Co. Method for improving the odor of hydrocarbon distillates with lead dioxide. 2,970,104, 1–31–61, Cl. 208—295.
Snyder, Russel C., and R. E. Partee, to Mansfield Metal Fabricating, Inc. Cooling air flow adjustable louver for heat exchange housing. 2,997,939, 8–29–61, Cl. 98—110.
Snyder, Russel D., to Chicago Rawhide Mfg. Co. Seals and improved shells therefor. 2,995,391, 8–8–61, Cl. 286—11.15.
Snyder, Russell H.: *See*—
Guhlin, Kjall G. 3,002,488.
Snyder, Walter C., and H. B. Prindle, to The Dow Chemical Co. Process for coating metals and compositions useful therein. 2,998,330, 8–29–61, Cl. 117—132.
Snyder, Warren E., to General Motors Corp. Closed circuit gas turbine controls. 2,994,198, 8–1–61, Cl. 60—59.
Snyder, William M., and J. Smith, Jr., to United States of America, Navy. Rodmeter. 2,969,673, 1–31–61, Cl. 73—194.
Snyder, William T.: *See*—
Mihalakis, Agis I. 2,984,152.
Soares, Alfonso P., and M. Lucci. Method and device for repairing tires in general. 2,974,715, 3–14–61, Cl. 154—14.
Soares, Eustace C. Protective circuits. 3,005,932, 10–24–61, Cl. 317—18.
Sobatzki, Raymond J., to Rohm & Haas Co. Method for stabilization of manganese salts of alkylene bisdithiocarbamic acids and the products thereof. 2,974,156, 3–7–61, Cl. 260—429.
Sobel, Frederick: *See*—
Morris, Vernon B., Jr., Ogden, and Sobel. 2,978,102.
Sobel, Ilyitch J., and E. Lessing. Vibratory piezoelectric transducers. 3,004,177, 10–10–61, Cl. 310—912.
Sober, Harold F.: *See*—
Bluestein, Ben A., and Sober. 2,992,083.
Soberliz, Societe de Brevets d'Exploitations et de Recherches Metallurgiques: *See*—
Pruvot, Emile, Boulanger, and Belon. 3,986,503.
Sobey, Albert J., to General Motors Corp. Antisurge control using compressor bleed. 3,006,145, 10–31–61, Cl. 60—39.29.
Soble, Bernard E., and R. A. Yonkers, to Bissel Carpet Sweeper Co. Floor sweepers. 2,986,755, 6–6–61, Cl. 15—4.
Sobisch, Johannes, H.-U. Lauschke, H. Puschmann, and A. Kruger, to Anker-Werke A.G. Programming system for accounting machine. 3,012,717, 12–12–61, Cl. 235—61.6.
Sobotka, August. Easy release bale hook. 2,970,001, 1–31–61, Cl. 294—26.
Sobotka, Harry, and J. D. Chanley, to Mount Sinai Hospital Research Foundation, Inc. Therapeutic use of ortho-carboxy-substituted aromatic phosphates and method of preparing same. Re. 25,085, 11–21–61, Cl. 167—65.
Soc. Acc. Emanuel di G.e R. Emanuel & C.: *See*—
Menon, Luigi. 2,969,021.
Soc. Metallotecnica: *See*—
Cupella, Aldo. 2,981,795.
Cupella, Aldo. 2,981,797.
Soc. Polymer, Industrie Chimiche: *See*—
Maragliano, Domenico, and Cernia. 2,982,760.
Soc. r. l. Attrezzature e Dispositivi per annunci Reclamistici-A.D.A.R.: *See*—
Delfini, Alberto, and Reali. 3,013,352.
Sochor, Joseph J.: *See*—
Femmer, Max E., Sochor, Kusnick, Nielsen, and Vinson. 2,974,306.
Societa Applicazioni Gomma Antivibranti S.A.G.A. S.p.A.: *See*—
Boschi, Antonio, Franceschetti, and Martorana. 3,000,657.
Franceschetti, Alessandro, and Gilardi. 2,982,118.
Societa Farmaceutici Italia: *See*—
Alberti, Carlo G., and Vercellone. 2,980,674.
Camerino, Bruno, Modelli, and Patelli. 2,999,870.
Vercellone, Alberto, and Panizzi. 2,999,877.
Société à Responsibilité limitée; Ateliers de Construction Beadouin: *See*—
Baband, Jean. 2,984,830.
Lucien, Rene. 3,001,744.
Societe a Responsabilite limitee Auxilec, Auxiliaires Electro-Mecaniques de Precision: *See*—
O'Mahony, Gerard. 2,998,538.
Societe a Responsabilite Limitee dite: Delacoste & Cie: *See*—
Delacoste, Claude. 2,989,068.
Societe a Responsabilite Limitee dite: Etablissements Quenot & Cie.: *See*—
Quenot, Michel C. A. 3,004,346.
Claret, Rene J. B. 3,005,352.
Societe a Responsabilite Limitee dite: Quenot & Cie: *See*—
Quenot, Michel. 3,001,738.
Societe a responsabilite limitee dite: Societe Gram-Electric: *See*—
Trottier, Jean E. 3,001,083.
Societe a responsabilite limitee: General Plastics: *See*—
Babin, Jacques A. 3,007,569.
Societe a responsabilite limitee: Recherches Etudes Production R.E.P.: *See*—
Lucien, Rene. 2,975,248.
Lucien, Rene. 2,982,218.
Societe AGRAF: *See*—
Fenon, Henri F. 2,968,040.
Societe Alsacienne de Constructions Mecaniques: *See*—
Audemar, Pierre. 3,011,694.
Grandsard, Pierre P. L. 3,005,199.
Lettermann, Charles. 2,986,779.
Lime, Jean. 2,966,846.
Societe Anonyme Andre Citroen: *See*—
Brueder, Antoine. 2,966,964.
Brueder, Antoine. 2,976,084.
Brueder, Antoine. 2,988,070.
Brueder, Antoine. 2,988,397.
Brueder, Antoine. 3,000,356.
Brueder, Antoine. 3,003,604.

Societe Anonyme Andre Citroen: *See*—Continued
Brueder, Antoine. 3,003,783.
Brueder, Antoine. 3,009,066.
Cadiou, Jean. 2,985,444.
Cadiou, Jean G. 2,991,773.
Henry-Biabaud, Edmond. 2,972,027.
Henry-Biabaud, Edmond. 2,986,129.
Henry-Biabaud, Edmond. 2,991,131.

Societe Anonyme D.B.A.: *See*—
Furia, Andre, and Chevreux. 3,007,447.

Societe Anonyme de Bobinage pour l'Industrie et la Radio: *See*—
Monfray, Benoit. 2,994,010.

Societe Anonyme de Machines Electrostatiques: *See*—
Morel, Roger, and Point. 3,008,645.

Societe Anonyme Defim: *See*—
Prejean, Roger. 2,968,095.

Societe Anonyme des Anciens Etablissements et Levassor: *See*—
Panhard, Paul. 2,982,147.

Societe Anonyme des Anciens Etablissements Panhard et Levassor: *See*—
Panhard, Paul. 2,983,197.

Societe Anonyme des Caves et des Producteurs Reunis de Roquefort: *See*—
Bertrand, Jacques R. R. 2,976,662.

Societe Anonyme des Engrenages Minerva: *See*—
Leboime, Pierre. 2,995,989.

Société Anonyme des Laminoirs, Hauts-Fourneaux, Forges Fonderies et Usines de La Providence: *See*—
Lecocq, André. 2,972,294.

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey: *See*—
Levecque, Marcel, and Charpentier. 2,981,974.
Levecque, Marcel, and Charpentier. 2,991,507.
Levecque, Marcel, and Mabru. 2,984,864.
Levecque, Marcel, and Mabru. 3,007,196.
Levecque, Marcel, and Piot. 2,980,954.

Societe Anonyme des Roulements a Aiguilles: *See*—
Pitner, Alfred. 2,995,406.
Pitner, Alfred. 3,004,322.
Pitner, Alfred. 3,009,748.
Pitner, Alfred O. 2,997,349.

Societe Anonyme des Usines Chausson: *See*—
Chausson, Andre. 2,979,937.
Chausson, André. 2,984,406.
Chausson, Andre. 2,988,376.
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Reutter, Jean-Leon. 2,988,264.

Societe Anonyme dite: Ateliers Bariquand & Marre: *See*—
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Societe Anonyme dite: Ateliers de Constructions Electriques de Charleroi: *See*—
Pensis, René A. F. 3,014,999.

Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse: *See*—
Usselmann, Fernand, and Verhelle. 2,979,083.

Societe Anonyme dite: Enterprise Fougerolle pour Travaux Publics: *See*—
Bouvier, Jean, Bouillot, and Bourgouin. 2,979,913.

Societe Anonyme dite: Etablissements Ducellier: *See*—
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Societe Anonyme dite: Etablissements Gustin Fils: *See*—
Ealet, Pierre. 3,000,411.
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Societe Anonyme dite: Etablissements Matenin: *See*—
Domagalzki, Bernard E. 2,985,325.
Domagalski, Bernard E. 3,002,299.

Societe Anonyme dite: Geoffroy-Delore: *See*—
Haugwitz, Otto. 2,987,268.

Societe Anonyme dite: H. Ernault-Batignolles: *See*—
Lelan, Armand M. 2,977,833.

Societe Anonyme dite: La Manufacture de Feutres de Mouzon-Anciens Etablissements Roger Sommer et Ses Fils: *See*—
Sommer, Francois N. 2,999,763.

Societe Anonyme dite: Laboratoire Roger Bellon: *See*—
Le Men, Jean G. 2,995,574.

Societe Anonyme dite: Nobel-Bozel: *See*—
Adany, Leon. 2,984,608.
Talet, Pierre. 3,008,885.

Societe Anonyme dite: Normacem: *See*—
Pougnand, Clément. 2,990,730.

Societe Anonyme dite: Papeteries de la Robertsau: *See*—
Schmidt, Jacques and P. 3,002,867.

Societe Anonyme dite: Savarin & Veuve Foinant: *See*—
Savarin, Maurice. 2,991,677.

Societe Anonyme dite: Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques D'Ugine: *See*—
Guérin, Jean. 2,976,330.

Societe Anonyme dite: Societe Industrielle de Ferblanterie: *See*—
Pitavy, Pierre F. M. 2,985,095.

Societe Anonyme dite: Societe Lorraine Des Anciens Etablissements de Dietrich & Cie de Luneville: *See*—
Buisson, André. 2,978,259.

Societe Anonyme Dite: Societe Monsavon-l'Oreal: *See*—
Charle, Roger, and Kalopissis. 2,983,569.
Charle, Roger, Kalopissis, and Ghilardi. 2,975,101.
Lantz, Robert, and Kalopissis. 3,011,858.

Societe Anonyme dite: Usines Decoufle: *See*—
Labbé, Francis A. M. 2,989,055.

Societe Anonyme Etablissements Leon Hatot: *See*—
Lavet, Marius J., and Dietsch. 2,986,683.

Societe Anonyme Francaise du Ferodo: *See*—
Kalopissis, Gregoire, and Viout. 2,976,215.
Maurice, Jean, and Rist. 2,981,846.
Maurice, Jean, and Rist. 2,987,155.
Maurice, Jean, and Rist. 2,999,573.
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Societe Anonyme Francaise pour la Separation, l'Emulsion et le Melange (Procedes S.E.M.): *See*—
Caillaud, Michael E. 2,971,465.

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Haugwitz, Otto. 2,969,205.
Haugwitz, Otto. 2,998,694.

Societe Anonyme Steiu et Roubaix: *See*—
Villiers, Hubert L., and Tordo. 2,982,263.

Societe Anonyme Tubest: *See*—
De la Tramerye, Raymond. 2,988,118.

Societe Automata: *See*—
Schmid, Waifgang. 2,973,695.

Societe Auxiliaire de l'Institut Francais du Cauotchouc: *See*—
Beaufils, Edmond R., and Cournut. 2,970,404.

Societe Auxiliaire d'Industrie (Sadi) S.P.R.L.: *See*—
Georges, Felix. 2,978,924.

Societe Beige de l'Azote et des Produits Chimiques du Marly: *See*—
Braconier, Frederic F. A., and Riga. 2,970,178.
Braconier, Frederic F. A., and Riga. 2,978,521.
Braconier, Frederic F.A., and Riga. 2,998,466.
Hoi, Nguyen P. B., and Beaudet. 3,012,042.
Le Bihan, Henri, and Godart. 2,981,764.

Societe Beige d'Optique et d'Instruments de Precision, Societe Anonyme: *See*—
Cobert, Arthur J. 2,983,127.

Societe Bertin & Cie: *See*—
Bertin, Jean H., and Schmitt. 3,012,738.
Salmon, Benjamin J. M., and Bertin. 3,001,691.

Societe Bertin et Cie (Societe a Responsabilite Limitee): *See*—
Bertin, Jean H. 2,973,825.

Societe Chimique de la Grande Paroisse (Azote et Produits Chimiques): *See*—
Gosselin, Albert. 2,986,532.

Societe Civile de Recherches et d'Etudes Industrielles: *See*—
Vincens, Rene. 2,984,532.

Societe d'Applications et de Constructions pour Materiel Automobile (S.A.C.M.A.): *See*—
Mennesson, Robert M. 2,985,186.

Societe d'Applications Generales d'Electricite & de Mecanique: *See*—
Rabeux, Jean, and Jacob. 2,976,890.

Société d'Applications Générales d'Electricité et de Mécanique SAGEM: *See*—
Judet, Henri. 2,981,214.

Societe d'Applications Industrielles Plastiques: *See*—
Renoux, Robert A. 2,998,622.

Societe de Brevets H.D.: *See*—
Chomarat, Jean. 2,974,903.

Societe de Cartonnages d'Echantillonnage et de Reliure d'Aubervilliers (SCERA): *See*—
Ponsar, Christian. 2,990,757.

Societe de Fabrication d'Instruments de Mesure (S.F.I.M.): *See*—
Horath, Werner K. 2,986,941.

Societe de l'Accumulateur Fulmen: *See*—
Rowe, Robert. 3,002,042.

Societe de Prospection Electrique, Procedes Schlumberger: *See*—
Bricaud, Joseph M. 2,998,570.
Delacour, Jacques. 3,014,424.
Roussin, René R. 2,992,492.

Societe d'Electrochimie d'Electrometallurgie et des Acieries Anonyme Electriques d'Ugine and l'Air Liquide, Societe Pour l'Etude et l'Exploitation des Procedes Georges Claude: *See*—
Sancelme, Andre. 2,983,584.

Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—
Andrieux, Jean L., and Bounier. 2,977,218.
Armand, Charles, and Angleys. 2,996,771.
Cardey, Francois, and Boudier. 2,996,414.
Chadenson, Pierre. 3,007,333.
Chatelin, Bernard, Modiano, and Weiss. 3,014,065.
Greffe, André. 3,001,863.
Hurel, Pierre. 2,995,435.
Modiano, Jacques. 2,987,542.
Mollard, Paul. 3,006,721.
Villemey, Lucien. 3,002,817.
Weiss, Francis. 3,008,990.
Weiss, Francis, Modiano, and Marion. 3,006,950.

Societe d'Electronique et d'Automatisme: *See*—
Cazauvieilh, Christian A. 3,010,221.
Hanlet, Jacques M. N. 2,983,631.
Lacroix, Serge. 3,008,447.
Raymond, Francois H. 2,980,804.
Raymond, Francois H. 3,009,068.

Societe d'Equipements Industriels et Laitiers: *See*—
Vaucher, Maurice, and Jaoul. 2,969,927.

Societe des Accumulateurs Fixes et de Traction (Societe Anonyme): *See*—
Herold, Rodolphe A. 2,994,728.
Jacquier, Pierre A. C. 2,971,999.

Societe des Acieries de Longwy (Societe Anonyme): *See*—
Burstlein, Eugene M. 2,989,182.

Societe des Couleurs de Provence: *See*—
Sciallano, Clement, and Carles. 2,968,636.
Societe des Fabrications Unicum (societe a responsabilite limitee): *See*—
Perruca, Felix. 3,010,330.
Societe des Forges et Ateliers du Creusot: *See*—
Nectoux, André. 2,993,387.
Nectoux, Andre. 3,001,418.
Societe des Glaces de Boussois: *See*—
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Societe des Gypses et Platres de France: *See*—
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Societe des Lunetiers Cottet Poichet, Tagnon & Cie: *See*—
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Societe des Raffineries & Sucreries Say: *See*—
Lepoutre, Raymond, and Martin. 2,984,965.
Societe des Usines Chimiques Rhone-Poulenc: *See*—
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Evieux, Ernest A. 3,012,999.
Gailliot, Paul, and Baget. 2,979,502.
Gailliot, Paul, and Gaudechon. 2,981,736.
Jacob, Robert M., and Robert. 2,972,612.
Jacob, Robert M., and Robert. 2,975,175.
Jacob, Robert M., and Joseph. 2,976,291.
Jacob, Robert M., and Robert. 2,985,653.
Le Bras, Jean, and Pinazzi. 2,982,788.
Leymarie, Hubert. 3,013,928.
Metivier, Jean. 2,981,748.
Metivier, Jean. 3,007,962.
Ninet, Leon, Pinnert, and Preud'homme. 3,000,785.
Pacoud, André, Dallemagne, and Mercier. 3,013,954.
Preud'Homme, Jean, and Charpentie. 2,978,380.
Preud'Homme, Jean, and Charpentie. 3,011,947.
Toulec, Lucien. 3,012,982.
Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture: *See*—
Rubin, Maurice. 2,977,186.
Societe d'Etudes d'Inventions et de Brevets-S.E.I.B.: *See*—
Carriol, Louis A. 2,986,951.
Carriol, Louis A. 2,990,977.
Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S.A.: *See*—
Horgen, Helge. 3,011,484.
Huber, Robert. 2,990,680.
Guilloud, Jean F. 3,011,268.
Hanlet, Jacques M. N. 3,012,107.
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Societe d'Etudes et de Recherches Pour l'Application: *See*—
Mercier, Pierre E. 2,984,501.
Societe d'Exploitation des Materiels Hispano-Suiza: *See*—
Billard, Alexandre. 3,009,386.
Plotkowiak, Joseph, and Pelisson. 2,977,071.
Societe d'Exploitations des Brevets et Appareils Tirfor, dite Tirfor S.A.: *See*—
Persiaux, Jean. 2,995,339.
Societe dite "Aerazur Constructions Aeronautiques": *See*—
Forichon, Alphonse. 2,997,263.
Societe dite: Filature et Tissage du Territoire: *See*—
Burckle, Xavier. 2,970,334.
Societe dite: Precision Mecanique Labinal: *See*—
Ponsy, Louis E. 3,004,234.
Societe dite: Societe Anonyme des Roulements a Alguilles: *See*—
Pitner, Alfred O. 2,983,560.
Societe dite Soletanche: *See*—
Baud, Leon, and Taussig. 3,012,621.
Societe dite Soletanche (S.A.R.L.): *See*—
Caron, Claude. 3,012,405.
Societe d'Optique et de Mecanique de Haute Precision: *See*—
Balurteau, Jean-Michel. 2,970,517.
Rosier, Raymond, and Balurteau. 2,969,706.
Societe financiere d'Expansion Commerciale et Industrielle S.A. "Sfindex": *See*—
Weber, Paul F. 2,972,468.
Societe Francaise d'Optique et de Mecanique: *See*—
Dubuisson, Bernard L. Y. 3,000,284.
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Societe francaise Sadir-Carpentier: *See*—
Zisler, Siegfried, and von Weiser. 2,977,595.
Societe Generale de Products Refractaires: *See*—
Kiehl, Jean P. 3,003,887.
Societe Generale Isothermos: *See*—
Bouvat-Martin, Jean. 3,001,836.
Bouvat-Martin, Jean. 3,011,837.
Societe Genevoise d'Instruments de Physique: *See*—
Engel, Willy. 2,982,185.
Koulicovitch, Miron. 3,002,421.
Mottu, Andre. 2,998,560.
Mottu, Andre. 3,014,765.
Mottu, Andre, and Rollat. 3,005,078.
Mottu, Andre, and Viret. 2,986,021.
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Mottu, André, and Viret. 3,012,453.
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Societe Glaenzer Spicer Societe Anonyme: *See*—
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Societe Grenobloise d'Etudes et d'Applications Hydrauliques, Societe Anonyme: *See*—
Alexandre, Philippe. 2,986,887.
Trentini, Bernard, and Cohen de Lara. 2,986,343.
Societe Industrielle & Commerciale R. Marechal S.I.C.M.A.: *See*—
Marechal, Robert. 3,001,821.
Societe Industrielle de Brevets et d'Etudes S.I.B.E.: *See*—
Mennesson, Andre L. 2,998,232.
Societe Industrielle des Derives de l'Acetylene (S.I.D.A.): *See*—
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Societe Industrielle et Agricole de la Somme et Raffinerie Francois: *See*—
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Societe Industrielle Generale de Mecanique Appliquee S.I.G.M.A.: *See*—
Crichton, Alexandre. 3,009,474.
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Societe Lamy d'Etudes et de Recherches "Soler": *See*—
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Societe Lorraine des Anciens Etablissements de Dietrich & Co., de Luneville: *See*—
Buisson, André. 3,000,648.
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Societe Luxembourgeoise de Brevets et de Participations: *See*—
Paulsen, Jean F. 2,981,207.
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Societe Marocaine de Recherches d'Etudes et de Developpements "Somarede": *See*—
Gendreu, Robert, Honore, and Torcheux. 3,001,115.
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Torcheux, Emile, and Honore. 2,999,919.
Societe Metallurgique d'Imphy (Societe Anonyme): *See*—
Cherreau, André G., Girard, and Villachon. 2,983,998.
Societe Moderne de Fabrications Mecaniques: *See*—
Rouby, Charles. 2,978,827.
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Societe Monsavon-L'Oreal: *See*—
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Societe Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—
Baliguet, Michel P., Ernst, and Jardinier. 2,979,290.
Bauger, Louis J., and Barthime. 2,975,593.
Eggers, Gerhard, and Ernst. 2,974,907.
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Mihail, Arlette M., nee Grousset, Tochon, Turinetti, and Dubois. 2,997,844.
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Societe Poitevine de Conditionnement (Societe Anonyme) *See*—
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Societe pour l'Equipement des Industries Chimiques-S.P.E.I.C.H.I.M. - Reunion des Anciens Etablissements Barbet, Egrot & Grange, Pingris & Mollet-Fontaine: *See*—
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Socke, John E., to American Can Co. Conveyor mechanisms. 3,001,637, 9–26–61, Cl. 198—225.
Socke, John E., to American Can Co. Slitting machine. 3,001,787, 9–26–61, Cl. 271—49.
Socolofsky, John F., to Socony Mobil Oil Co., Inc. Marine turbine lubrication. 2,991,250, 7–4–61, Cl. 252—46.7.
Socony Mobil Oil Co.: *See*—
Sudholz, Louis H. 2,993,857.
Sudholz, Louis H. 2,993,858.
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Andress, Harry J., Jr. 2,982,632.
Andress, Harry J., Jr. 2,982,633.
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Andress, Harry J., Jr. 2,984,554.
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Andress, Harry J., Jr., and Gee. 3,003,960.
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Baker, Charles O., and Scauzillo. 3,010,537.
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Becker, Myron. 2,978,303.
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Bergstrom, Eric V. 2,968,610.
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Billmeier, Robert A., and McHale. 3,007,781.
Blount, Floyd E., and Anthony. 2,979,389.
Boenau, Arthur H. 2,999,765.
Bonner, Tom W., and Mills. 2,992,331.
Bourguet, Jean M. 3,009,472.
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Bowles, Vernon O. 2,981,677.
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Branton, Peter D., and Plank. 2,991,242.
Brennan, William R. 2,972,503.
Brooks, Frank W., Jr., and Duval. 2,987,469.
Browning, Lewis M., Jr., and Halik. 3,002,805.
Brumbaugh, Andrew K. 2,996,361.
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Caldwell, Richard L., and Sippel. 2,972,679.
Capowski, Julius, and Wascher. 3,014,792.
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Crean, Robert B. 2,983,656.
De Chellis, Italo V., and Halik. 2,984,617.
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Duval, Claiborne A., Jr. 2,999,803.
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Francis, Alfred W. 3,003,006.
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Glammaria, John J. 2,968,585.
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Hamilton, Lyle A., and Landis. 2,995,569.
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Hicks, Warren G. 3,008,120.
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Johnson, George C., and Kerr. 2,971,824.
Kerr, George T. 2,983,580.
Knoble, William S., and McGovern. 2,986,590.
Laug, Ernst. 2,999,814.
Leonardi, Samuel J., and Oberright. 3,012,967.
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Liddy, Clarence. 2,999,066.
Lifland, Philip P., and Potas. 2,980,605.
Loper, George B. 2,991,446.
Lucki, Stanley J. 2,975,205.
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Middleton, Jack R. 3,009,757.
Mills, Robert L., and Zemanek. 2,998,091.
Mills, Robert L., and Zemanek. 3,010,069.
Mitchell, John G. 2,967,094.
Mitchell, John G. 2,978,280.
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Munns, George W., Jr. 2,970,954.
Munns, George W., Jr., Myers, and Weisz. 2,983,667.
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Musgrave, Albert W. 2,988,729.
Musgrave, Albert W. 2,990,619.
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Myers, Herbert, and Otto. 2,983,687.
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Overton, William C., Jr. Re. 24,931.
Paradiso, Michael A., and Vignone. 3,008,810.
Plank, Charles J., and Rosinski. 2,996,448.
Porter, John G., Jr., and Walton. 2,984,614.
Shapiro, Abraham. 2,970,958.
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Wilson, John W., Jr. 3,010,898.
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Soddy, Thomas C., to Chicago Railway Equipment Co. Railway brake gear structure. 2,969,858, 1–31–61, Cl. 188—219.1.

Soddy, Thomas C., to Chicago Railway Equipment Co. Bimetal brake drum. 2,978,073, 4–4–61, Cl. 188—218.

Soddy, Thomas C., to Chicago Railway Equipment Co. Railway car flush door structure. 2,979,787, 4–18–61, Cl. 20—23.

Soddy, Thomas C., to Chicago Railway Equipment Co. Snubber for railway truck bolster support springs. 2,981,535, 4–25–61, Cl. 267—9.

Sodeco, Societe des Compteurs de Geneve: *See*—
Dietrich, Theodore. 2,982,389.
Fliglister, Karl. 3,001,705.
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Lüscher, Paul. 2,992,775.
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Soden, George B.: *See*—
Fackler, Bernard E., and Soden. 2,975,247.

Soder, Alfons, and W. Siedel, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Addition product of tetracycline and methanol and process for preparing it. 2,994,716, 8–1–61, Cl. 260—559.

Soderberg, Eric W., to Newburgh Molded Products, Inc. Spoon. 2,995,265, 8–8–61, Cl. 215—100.

Soderberg, John W., ¼ to R. P. Strakos, ¼ to J. Malasky, and ¼ to J. F. Kearney. Automatic traffic control. 2,980,887, 4–18–61, Cl. 340—40.

Söderberg, Leif E. R.: *See*—
Westberg, Johan E. H., Söderberg, and Bergström. 2,972,668.

Soderberg, Nels A. Railroad bridge tie spacer. 2,991,857, 7–11–61, Cl. 189—34.

Soderberg, Sten, and J. T. Muller, to Leslie Co. Throttling valve. 2,988,105, 6–13–61, Cl. 137—329.03.

Soderberg, Sten, and S. Schiller, to Leslie Co. Pressure reducing valve. 2,989,982, 6–27–61, Cl. 137—505.22.

Soderberg, Sten, and J. T. Muller, to Leslie Co. Self-centering and self-aligning valve disc. 3,009,678, 11–21–61, Cl. 251—85.

Sodergren, Victor E.: *See*—
Smith, Donald M., and Sodergren. 2,994,412.

Soderhamns Verkstader Aktiebolag: *See*—
Thunell, Bertil H. 2,989,095.

Soderholm, Arne: *See*—
Fluur, Alf, and Soderholm. 3,010,314.

Söderholm, Arne O. Force transducers. 2,984,102, 5–16–61, Cl. 73—141.

Soderman, George W., to Western Electric Company, Inc. Wire feeding apparatus. 2,970,733, 2–7–61, Cl. 226—149.

Soderquist, Frederick J., and J. L. Amos, to The Dow Chemical Co. Process for the preparation of 2,3-, 2,4-, and 2,5-dichlorostyrene. 2,979,536, 4–11–61, Cl. 260—650.

Soderquist, Leslie E., to The McNeil Machine & Engineering Co. Green tire loading and centering mechanism. 2,976,566, 3–28–61, Cl. 18—2.

Soderquist, Leslie E., to The McNeil Machine & Engineering Co. Mechanism for holding and inflating tires after vulcanization. 2,978,741, 4–11–61, Cl. 18—2.

Soderquist, Leslie E., to The McNeil Machine & Engineering Co. Press for shaping and curing pneumatic tires. 2,997,740, 8–29–61, Cl. 18—17.

Soderquist, Leslie E., to McNeil Machine & Engineering Co. Center mechanism for tire presses. 3,012,277, 12–12–61, Cl. 18—17.

Soderquist, Leslie E., to The McNeil Machine & Engineering Co. Apparatus and method for positioning a tire in a curing press. 2,997,738, 8–29–61, Cl. 18—2.

Söderström, Lars-Johan. Tube coupling provided with locking means. 3,014,689, 12–26–61, Cl. 251—151.

Soding, Fritz, to Accumulatorenfabrik Aktiengesellschaft. Gastight enclosed alkaline accumulator. 2,997,516, 8–22–61, Cl. 136—37.

Soennecken, F.: *See*—
Ziegler, Karl. 2,974,947.

Soeters, Cornelis J.: *See*—
Best, Ronald L., Crossley, Paul, Pardun, and Soeters. 2,975,060.
Best, Ronald L., Soeters, Davies, and Paul. 3,012,891.

Soeters, Cornelis, J. H. Pardun, A. Crossley, and S. Paul, to Lever Brothers Co. Cocoa-butter substitutes and compositions containing same. 2,975,061, 3–14–61, Cl. 99—118.

Soeters, Cornelis J., H. Pardun, A. Crossley, and S. Paul, to Levers Brothers Co. Compositions containing cocoa-butter substitutes. 2,975,062, 3–14–61, Cl. 99—118.

Soffa, Albert: *See*—
Hohenadel, John J., Soffa, and Kulicke. 2,982,985.
Kulicke, Frederick W., Jr., and Soffa. 3,003,051.

Soffer, Herbert: *See*—
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Sofield, Charles R.: *See*—
Browne, Edwin C., and Sofield. 2,981,693.

Sofranic: *See*—
Hugel, Gerard. 2,972,482.

Softky, Sheldon D., to Tracerlab, Inc. Low background counter. 2,985,785, 5–23–61, Cl. 313—93.

Sogn, Allen W.: *See*—
Lind, Charles J., and Sogn. 3,012,040.

Sohio Petroleum Co.: *See*—
Fielders, Cecil. 3,008,227.
Seely, Dwight H., Jr. 2,981,070.

Sohl, William E.: *See*—
Shrewsbury, Raymond W., Anderson, and Sohl. 3,001,886.

Sohl, William E., to Minnesota Mining & Mfg. Co. Abrasive structures and reinforcing therefor. 2,988,860, 6–20–61, Cl. 51—206.

Sohmer, John S. Combined golf club carrier and chair. 2,987,109, 6–6–61, Cl. 155—2.

Sohst, Walter. Optical aiming device. 3,010,019, 11–21–61, Cl. 250—83.3.
Soilserv, Inc.: *See*—
Scott, David B., Jr. 2,967,376.
Solto, Frank S. Window squeegees. 3,013,290, 12–19–61, Cl. 15—245.
Sokal, Andrew L., to Johns-Manville Fiber Glass Inc. Expansible mandrel. 3,000,585, 9–19–61, Cl. 242—72.
Sokoloff, Boris T. Nematocidal composition. 3,012,931, 12–12–61, Cl. 167—14.
Sokso, Mike. Grinder attachment for rotary shear. 3,011,292, 12–5–61, Cl. 51—250.
Sola, John B.: *See*—
Krol, Stanley J., and Sola. 3,002,669.
Krol, Stanley J., and Sola. 3,004,581.
Sola, Joseph G., to Basic Products Corp. Voltage regulating apparatus. 2,996,656, 8–15–61, Cl. 323—45.
Solar Aircraft Co.: *See*—
Carlson, Paul G. 2,971,334.
Kress, Ralph. 2,976,676.
Long, John V., and Furth. 2,977,251.
Price, Edmund T., Woodward, and Messer. 3,001,274.
Reed, Wendell E. 2,969,640.
Reed, Wendell E. 2,981,058.
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Solar Chemical Corp.: *See*—
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Solartron Electronic Group Ltd., The: *See*—
Bailey, Christopher E. G. 2,989,239.
Bailey, Christopher E. G., and Kennard. 2,977,687.
Pask, Andrew G. S. 2,984,017.
Sole, Harry I.: *See*—
Layton, Forrest E., and Sole. 3,004,371.
Solecki, Edward G.: *See*—
Shonka, Francis R., and Solecki. 2,972,784.
Solecki, John E.: *See*—
Phillips, Richard H., and Solecki. 2,978,092.
Solem, Thor L. C., and C. F. Hanson, to Johnson Hydraulic Equipment Co. Bale stacker. 2,971,318, 2–14–61, Cl. 56—473.5.
Soler, Tomas F. Semiautomatic mechanism for eventually holding heel-blanks. 3,007,261, 11–7–61, Cl. 36—42.
Solimine, Albert F.: *See*—
Kolinger, Kenneth J., Moreno, and Solimine. 2,973,049.
Sollsch, Rudolf, to Isco Optische Werke G.m.b.H. Photographic or cinematographic high-speed tele-objective. 2,972,285, 2–21–61, Cl. 88—57.
Sollsch, Rudolf, to Isco Optische Werke G.m.b.H. High-speed optical objective. 2,991,696, 7–11–61, Cl. 88—57.
Soll, Manfred: *See*—
Schubert, Friedrich, Goerrig, and Soll. 3,000,688.
Sollecito, William E., to General Electric Co. Electronic switch with comparator. 2,985,775, 5–23–61, Cl. 307—88.5.
Sollecito, William E., to General Electric Co. Fluid level sensor. 3,010,320, 11–28–61, Cl. 73—304.
Soller, Henry W.: *See*—
Prange, Charles H., Leonard, Soller, and Feagin. 3,010,852.
Sollinger, Ferdinand P.: *See*—
Bentele, Max, Jones, and Sollinger. 3,007,460.
Sollman, Paul B.: *See*—
Dodson, Raymond M., and Sollman. 2,999,101.
Dodson, Raymond M., and Sollman. 3,014,076.
Sollner, Hugo: *See*—
Spalding, Arthur R., and Sollner. 3,006,639.
Söllner, Kurt: *See*—
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Solomon, Allen L.: *See*—
Goldberg, Paul, and Solomon. 2,982,740.
Solomon, Charles R., J. H. Stevens, and W. E. Warren, to The Martin Co. Rigid-fuel line coupling with inspection means. 2,985,466, 5–23–61, Cl. 285—93.
Solomon, Frank: *See*—
Mendelsohn, Meyer, and Sólomon. 3,013,100.
Solomon, Frank, and R. F. Entes, to Yardney International Corp. Electrochemical battery and negative electrode therefor. 2,994,729, 8–1–61, Cl. 136—24.
Solomon, Nathan L. Flared bristle molded plastic brushes. 2,988,765, 6–20–61, Cl. 15—187.
Solomon, Nathan L. Extensible combs. 2,989,059, 6–20–61, Cl. 132—159.
Solomon, Nathan L. Hair curlers. 3,008,475, 11–14–61, Cl. 132—41.
Solomon, Paul W., to Phillips Petroleum Co. Process for quaternization of heterocyclic nitrogen base polymers with sulfonium halides and products produced thereby. 3,012,002, 12–5–61, Cl. 260—45.5.
Solow, Benjamin, to International Resistance Co. Wire wound resistor and method of making the same. 2,985,951, 5–30–61, Cl. 29—155.68.
Soloway, Harold: *See*—
Shapiro, Seymour L., Freedman, and Soloway. 2,971,018.
Shapiro, Seymour L., Freedman, and Soloway. 2,993,905.
Soloway, Saul, to Faberge, Inc. Method for coloring nacreous materials and products and compositions provided thereby. 2,995,459, 8–8–61, Cl. 106—290.
Soloway, Sidney, to Schlumberger Well Surveying Corp. Neutron source for well logging apparatus. 2,967,245, 1–3–61, Cl. 250—84.5.
Soloway, Sidney, to Schlumberger Well Surveying Corp. Particle accelerating system. 2,988,642, 6–13–61, Cl. 250—84.5.
Solt, George S., to The Permutit Co. Ltd. Electrodialytic cells. 2,990,361, 6–27–61, Cl. 204—301.
Soltau, William E., and P. F. Orchard, to Bristol Aero-Engines Ltd. Annular combustion chambers for use with compressors capable of discharging combustion supporting medium with a rotary swirl through an annular outlet. 2,977,760, 4–4–61, Cl. 60—39.65.
Soltes, William T. Electrically conducting fibrous carbon. 3,011,981, 12–5–61, Cl. 252—502.
Soltis, John E., to United States Steel Corp. Dual beam balance scale. 2,980,192, 4–18–61, Cl. 177—25.
Solum, James R.: *See*—
Wright, Kenneth A., and Solum. 2,998,848.
Wright, Kenneth A., and Solum. 3,000,444.
Wright, Kenneth A., and Solum. 3,004,606.
Wright Kenneth A., and J. R. and K. W. Solum. 3,012,612.
Solum, James R., and W. C. Hempel, to B and W, Inc. Friction clamp collar. 2,983,982, 5–16–61, Cl. 24—279.
Solum, Kenneth W.: *See*—
Wright Kenneth A., and J. R. and K. W. Solum. 3,012,612.
Solvay & Cie: *See*—
Clement, Jean. 2,982,608.
Clement, Jean. 3,002,914.
Daras, Nestor. 2,978,518.
Delmas, André. 2,997,176.
De Prez, Charles. 3,006,974.
Meuret, Fernand, and Brouwers. 3,003,010.
Pirlot, Georges. 2,990,276.
Solvent Service, Inc.: *See*—
Elliott, William R. 3,000,767.
Elliott, William R. 3,010,853.
Solventol Chemical Products, Inc.: *See*—
Goldsmith, Henry A. 2,971,919.
Goldsmith, Henry A., and Ray. 2,971,918.
Solvik, Ragner S., to National Distillers and Chemical Corp. Centrifugal separation. 3,013,005, 12–12–61, Cl. 260—94.9.
Solzman, Isel I. Plastic casing for air exhauster. 2,987,983, 6–13–61, Cl. 98—43.
Somers, Raymond A., and D. R. Locke, to Sperry Rand Corp. Shaver with adjustable rollers. 2,991,554, 7–11–61, Cl. 30—34.
Somerville, Alexander: *See*—
Cheek, Willard D., and Somerville. 3,012,143.
Somerville, Alexander, to General Motors Corp. Scintillation detector circuit. 2,979,617, 4–11–61, Cl. 250—71.5.
Somerville, James C., to Imperial Chemical Industries Ltd. Rendering fibrous materials water-repellent. 3,009,833, 11–21–61, Cl. 117—161.
Somerville Ltd.: *See*—
Atkinson, William G. 2,986,322.
Somes, Frederick J., Jr., to General Electric Co. Method of installing an electrical system. 2,975,512, 3–21–61, Cl. 29—429.
Somes, Frederick J., Jr., to General Electric Co. Electrical distribution system. 2,989,579, 6–20–61, Cl. 174—99.
Somes, Frederick J., Jr., to General Electric Co. Hanger for electrical distribution system. 3,006,591, 10–31–61, Cl. 248—317.
Somes, Frederick J., Jr., to General Electric Co. Connector for electrical distribution systems. 3,007,996, 11–7–61, Cl. 174—40.
Somlyody, Arpad, to Burroughs Corp. Counter circuit and count indicator. 3,008,067, 11–7–61, Cl. 315—168.
Sommariva, Gio B. Blading of an axial rotative compressor. 2,969,909, 1–31–61, Cl. 230—122.
Sommer, Alfred: *See*—
Robinson, Preston, and Sommer. 3,002,930.
Sommer, Francois N., to Societe Anonyme dite: La Manufacture de Feutres de Mouzon-Anciens Etablissements Roger Sommer et Ses Fils. Method of applying flock to a fabric. 2,999,763, 9–12–61, Cl. 117—33.
Sommer, Friedrich: *See*—
Lohs, Willy, Sommer, Lehmann, Haase, and Cordt. 2,978,556.
Lohs, Willy, Sommer, and Thom. 2,999,904.
Sommer, Gordon M.: *See*—
Johansen, Einar K., and Sommer. 3,002,479.
Sommer, Gordon M., to U.S. Industries, Inc. Transfer mechanism. 2,998,887, 9–5–61, Cl. 214—1.
Sommer, Gordon M., and T. J. Ter Meer, to U. S. Industries, Inc. Die clamp. 2,984,176, 5–16–61, Cl. 100—295.
Sommer, Gordon M., and J. K. Liu, to U.S. Industries, Inc. Clutches. 2,998,872, 9–5–61, Cl. 192—18.
Sommer, Harry J.: *See*—
Simpson, Warren C., and Sommer. 2,981,683.
Sommer, Harry J., and W. C. Simpson, to Shell Oil Co. Method for transporting liquids through pipelines. 3,006,354, 10–31–61, Cl. 137—13.
Sommer, Karl: *See*—
Heyna, Johannes, Sommer, Siebert, and Berner. 3,008,950.
Sommer, Lawrence G. Adjustable rotary spacer. 3,006,273, 10–31–61, Cl. 101—114.
Sommer, Richard, to Voigtlander A.G. Photographic camera provided with shutter and diaphragm. 3,011,420, 12–5–61, Cl. 95—64.
Sommer, Richard, and P. Greger, to Voigtlander A.G. Photographic camera provided with a shutter and diaphragm. 2,981,163, 4–25–61. Cl. 95—10.

Sommer, Siegfried: *See*—
Kreuter, Herbert, Sommer, and Kirschner. 3,007,904.
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Rehn, Karl, Junghanns, Sommer, and Bestian. 3,006,907.

Sommer, Walter, to SKF Kugellagerfabriken Gesellschaft mit beschrankter Haftung. Bearing arrangement for bottom rolls. 2,991,513, 7–11–61, Cl. 19—134.

Sommer, Walter, to SKF Kugellagerfabriken Gesellschaft mit beschrankter Haftung. Top roller for spinning machines. 3,008,194, 11–14–61, Cl. 19—142.

Sommer, Walter, and F. Schmidt, to SKF Kugellagerfabriken Gesellschaft mit beschrankter Haftung. Top roller for spinning machines. 2,972,787, 2–28–61, Cl. 19—142.

Sommeria, Marcel R., to Welding Research, Inc. Seam tracking transducer. 2,971,079, 2–7–61, Cl. 219—125.

Sommermeyer, Friedrich, to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate. Film advance mechanism for multi-format roll film cameras. 2,967,471, 1–10–61, Cl. 95—31.

Sommers, Armiger H., to Abbott Laboratories. Tetrahydrofurfurylpiperazines. 2,992,222, 7–11–61, Cl. 260—268.

Sommers, Armiger H., to Abbott Laboratories. Substituted piperazines. 2,995,553, 8–8–61, Cl. 260—268.

Sommers, Armiger H., to Abbott Laboratories. Piperazine compounds. 2,996,507, 8–15–61, Cl. 260—268.

Sommers, Edward P., Sr. Vented liquid dispensing device. 2,992,761, 7–18–61, Cl. 222—479.

Sommers, Roy W.: *See*—
Paddison, Osborne H., and Sommers. 2,976,278.

Sommerville, Anthony W.: *See*—
Nicklin, Thomas, Sommerville, Brunner, and Isherwood. 2,997,439.

Somerville, Peter P., to Jones & Laughlin Steel Corp. Composite wire rope sling. 2,988,394, 6–13–61, Cl. 294—74.

Somville, Charles A. Powder reactor for self-propelled projectiles. 2,978,867, 4–11–61, Cl. 60—35.6.

Somville, Charles A. Projectile fuze. 2,988,995, 6–20–61, Cl. 102—76.

Sondergaard, Svend: *See*—
Swedlow, Theodore, and Sondergaard. 3,000,774.
Swedlow, Theodore, Sondergaard, and De Swart. 3,000,057.

Sondheimer, Franz: *See*—
Djerassi, Carl, Lemin, Rosenkranz, and Sondheimer. 2,977,358.
Ringold, Howard J., Sondheimer, and Rosenkranz. 2,968,656.

Sondheimer, Franz, J. Romo, G. Rosenkranz, and C. Djerassi, to Syntex S.A. Process for the production of cyclopentanophenanthrene compounds. 3,014,031, 12–19–61, Cl. 260—239.55.

Sondvik Steel, Inc.: *See*—
Johansson, Oscar E. 2,993,689.

Songas, John G., to Minnesota Mining and Mfg. Co. Impact media for mechanical plating and method of using same. 3,013,892, 12–19–61, Cl. 117—24.

Songer, Charles H. Door jamb straightedge bracket. 2,969,595, 1–31–61, Cl. 33—85.

Songer, Francis H. Doll eyes. 2,989,819, 6–27–61, Cl. 46—167.

Songer, Kimble S.: *See*—
Hoppin, George S., III, and Songer. 3,006,757.

Sonic Dynamics, Inc.: *See*—
Wellekens, John F. 2,970,466.

Sonmore, Stanley V.: *See*—
Ertsgaard, Byron L., and Sonmore. 3,000,224.

Sonnabend, Lawrence F., to The Dow Chemical Co. Reaction products of phenols and diisopropenylbenzene. 3,004,953, 10–17–61, Cl. 260—62.

Sonne, Julius W., and M. O. Bohn; said Sonne assor. to said Bohn. Garage cupola. 3,013,484, 12–19–61, Cl. 98—42.

Sonneborn Chemical and Refining Corp.: *See*—
Liberthson, Leo, and Lipkind. 3,006,875.

Sonneland, Ralph E.: *See*—
Wayland, Hubert E., and Sonneland. 2,982,280.

Sonnemann, William K., to Westinghouse Electric Corp. Compensator relaying assembly. 2,973,459, 2–28–61, Cl. 317—47.

Sonnenberg, Charles F., to Westinghouse Electric Corp. Terminal bushings. 3,001,005, 9–19–61, Cl. 174—142.

Sonnenburg, William J., and F. W. Oestreich, Jr. Meter minder. 3,000,541, 9–19–61, Cl. 222—20.

Sonnenfeldt, Richard W., to Radio Corp. of America. Color synchronization for color television. 2,969,422, 1–24–61, Cl. 178—5.4.

Sonnenfeldt, Richard W., to Radio Corp. of America. Color television receiver color demodulation apparatus. 2,980,762, 4–18–61, Cl. 178—5.4.

Sonnenfeldt, Richard W., to Radio Corp. of America. Oscillating in-phase detectors. 3,015,069, 12–26–61, Cl. 329—150.

Sonner, Edwin W., Jr. Fishhook holder. 3,001,319, 9–26–61, Cl. 43—42.74.

Sonner, Edwin W., Jr. Fish hook extractor. 3,001,320, 9–26–61, Cl. 43—53.5.

Sönnerskog, Sven H.: *See*—
Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,085.
Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,086.

Sonnichsen, Arne. Method for the manufacturing of electrically welded tubes and improvement in means for such manufacture. 2,976,394, 3–21–61, Cl. 219—59.

Sonnino Tauro: *See*—
Di Paco, Gianfranco, and Sonnino. 2,989,531.

Sonnleitner, Hans. Method of covering bucket seats. 2,989,112, 6–20–61, Cl. 154—41.

Sonobond Corp.: *See*—
De Prisco, Carmine F. 3,002,270.

Sonoco Products Co.: *See*—
Biggs, William A., Jr. and Robertson. 2,974,081.
Dunlap, Charles K. 3,002,433.
Dunlap, Charles K., Broadbent, and Taylor. 3,000,590.
Dunlap, Charles K., Sr., C. K. Dunlap, Jr., and Whaley. 3,002,872.
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Sonotone Corp.: *See*—
August, John H. 2,971,045.
Busse, Harold M. 2,971,065.
Klingener, Harry F. Re. 24,968.
Koren, Heiman W., and Michalko. 2,967,750.

Sonstegard, Ralph L. Foot actuated multiple rheostat control. 2,981,915, 4–25–61, Cl. 338—171.

Sontheimer, Carl G., to C.G.S. Laboratories, Inc. Automobile radio receiver system. 2,973,431, 2–28–61, Cl. 250—20.

Sontheimer, Carl G., to C.G.S. Laboratories, Inc. Adjustable controllable inductance tuning apparatus. 2,978,660, 4–4–61, Cl. 336—135.

Sontheimer, Carl G., to The Liquidometer Corp. Liquid quantity measuring system. 3,010,319, 11–28–61, Cl. 73—304.

Soodak, Harry, and E. P. Wigner, to United States of America, Atomic Energy Commission. Fast neutron reactor. 2,993,850, 7–25–61, Cl. 204—193.2.

Soos, Steve J., ½ to F. Popovitch, and T. Vigh. Ensilage elevator. 2,977,004, 3–28–61, Cl. 214—17.

Soper, Donald H. Outboard motor tilting device. 2,979,017, 4–11–61, Cl. 115—17.

Soper, Quentin F., to Eli Lilly and Co. Alkylaminoalkyl ethers of phenols. 2,967,201, 1–3–61, Cl. 260—570.7.

Soper, Ralph B., and J. J. Doherty, to Sylvania Electric Products Inc. Method of producing thin wafers of semiconductor materials. 2,968,866, 1–24–61, Cl. 29—417.

Soper, Ralph B., and R. C. Tonner, to Sylvania Electric Products Inc. Method of classifying non-magnetic elements. 2,978,804, 4–11–61, Cl. 29—413.

Sophiea, Helen B. Clothes retainer. 3,013,424, 12–19–61, Cl. 68—23.

Sopocy, Miles M. Paint applicator. 2,985,902, 5–30–61, Cl. 15—166.

Sorbie, Thomas B.: *See*—
Allgeyer, Guy H., Early, and Sorbie. 2,978,619.
Allgeyer, Guy H., Early, and Sorbie. 2,987,179.

Sorbie, Thomas B., to Owens-Illinois Glass Co. Apparatus for detecting and inspecting articles in containers. 3,003,627, 10–10–61, Cl. 209—71.

Söredal, Sven G., to Svenska Ackumulator Aktiebolaget Jungner. Servo-motor with built-in tac-generator and systems. 2,993,160, 7–18–61, Cl. 318—448.

Sorem, Stanley S., and C. H. Bailey, to Shell Oil Co. Method of lubricating surfaces with a vaporous lubricant. 2,971,609, 2–14–61, Cl. 184—1.

Sorem, Stanley S., and C. H. Bailey, to Shell Oil Co. High temperature lubricant. 2,994,408, 8–1–61, Cl. 184—1.

Sorensen, Carl: *See*—
Porland, Kjeld, and Sorensen. 2,997,241.

Sorensen & Co., Inc.: *See*—
Kohn, Samuel T. 2,967,271.
Kohn, Samuel T. 2,973,470.
Leon, John. 2,968,757.

Sorensen, David P., to Minnesota Mining and Mfg. Co. Heat-sensitive copy-sheet. 2,995,466, 8–8–61, Cl. 117—36.

Sorensen, Henry, to Her Majesty the Queen in right of Canada, as represented by the Minister of National Defence. Flame thrower. 3,011,541, 12–5–61, Cl. 158—28.

Sorensen, Knud B., and W. D. Martin, to Deere & Co. Markers for planters. 2,975,840, 3–21–61, Cl. 172—128.

Sorensen, Knud B., A. J. Bjerkan, and L. F. Sanderson, to Deere & Co. Planters. 3,005,426, 10–24–61, Cl. 111—63.

Sorensen, Roger A.: *See*—
Boeye, Paul E., and Sorensen. 3,006,462.

Sorensen, Roy T. Loose leaf binder and supporting structure therefor. 2,980,445, 4–18–61, Cl. 281—33.

Sorensen, Thor E., and L. R. Lightner, to Union Bag-Camp Paper Corp. Die cut pallet and method of making. 2,996,276, 8–15–61, Cl. 248—120.

Sorenson, Grant E., to National Presto Industries, Inc. Electrically heated device with plug-in thermostat. 3,007,028, 10–31–61, Cl. 219—44.

Sorge, Ottokar: *See*—
Pletzsch, Herbert, and Sorge. 2,993,191.

Sori, Salvatore, to I-T-E Circuit Breaker Co. Neutral bar assembly. 2,967,287, 1–3–61, Cl. 339—198.

Soriero, Frank J., Jr.: *See*—
Brewer, Thomas L., Morris, and Soriero. 3,007,539.

Sorkin, Charles S., and M. E. Annett, to Philco Corp. Improvement in servo systems. 2,995,694, 8–8–61, Cl. 318—448.

Sorkin, Jack L., and R. C. Vickery, to Horizons Inc. Photosensitized transparent element. 3,002,851, 10–3–61, Cl. 117—34.

Sörman, Rolf M. J., to Aktiebolaget Gotaverken. Tankers or like ships. 2,979,009, 4–11–61, Cl. 114—74.
Soroban, Inc.: *See*—
MacNeill, John H. 2,998,874.
MacNeill, John H., West, and Thomson. 2,967,918.
Sorokin, Michael A.: *See*—
Fitz, Edward J., and Sorokin. 3,008,181.
Sorokin, Victor G., and A. S. Wolanin, to Westinghouse Electric Corp. Rotating rectifier. 2,972,711, 2–21–61, Cl. 317—234.
Soros, Paul: *See*—
Isbrandtsen, Waldemar M., Bridges, and Soros. 3,009,586.
Sorvik, Erling M.: *See*—
Sunden, Olof, and Sorvik. 2,970,977.
Sosin, Boleslaw M., to Marconi's Wireless Telegraph Co. Ltd. Signal mixers. 2,978,579, 4–4–61, Cl. 250—20.
Sosnick, Benjamin. Mist and spray production method and nozzle designs for its usage. 2,999,647, 9–12–61, Cl. 239—468.
Sosnowich, Michael, to Modern Dust Bag Co., Inc. Mounting disposable vacuum cleaner bags, by means of rigid member with slotted corners. 2,975,863, 3–21–61, Cl. 183—51.
Sosnowski, John., W. J. Maier, S. B. Sweetser, and W. Priestley, Jr., to Esso Research and Engineering Co. HCl removed from recycle gas. 2,969,319, 1–24–61, Cl. 208—139.
Sosa, Charles J. Concealed hinge. 3,001,224, 9–26–61, Cl. 16—164.
Sottysiak, Joseph: *See*—
Duffy, Joseph E., and Sottysiak. 2,983,604.
Sottysiak, Joseph, and B. R. Harriman, to General Aniline & Film Corp. Physical properties of photographic papers. 2,970,907, 2–7–61, Cl. 96—85.
Sotzky, Bernard, to Rooted Hair, Inc. Method of stitching strands of simulated hair to a workpiece and of brushing aside loose ends of hair. 3,013,567, 12–19–61, Cl. 132—5.
Soubier, Leonard D.: *See*—
Santelli, Thomas R., and Soubier. 3,001,239.
Soubier, Leonard D., to Owens-Illinois Glass Co. Method of and apparatus for making plastic articles. 2,966,702, 1–3–61, Cl. 18—55.
Soubier, Leonard D., to Owens-Illinois Glass Co. Method and apparatus for producing charges of molten glass. 2,993,302, 7–25–61, Cl. 49—55.
Soubier, Leonard D., to Owens-Illinois Glass Co. Method and apparatus for forming hollow articles. 3,000,052, 9–19–61, Cl. 18—5.
Soubier, Leonard D., to Owens-Illinois Glass Co. Method and apparatus for feeding charges to molds. 3,014,313, 12–26–61, Cl. 49—5.
Souchet, André A. H., to La Telemecanique Electrique (Societe Anonyme). Cut-off switch. 2,995,638, 8–8–61, Cl. 200—147.
Souchot, René, to Compagnie des Machines Bull (Societe Anonyme). Full-pocket signalling devices for machines operating with record cards. 3,006,641, 10–31–61, Cl. 271—88.
Soucie, Russell J.: *See*—
McLaren, David J., and Soucie. 2,971,532.
Soucy, George H., to Brown & Sharpe Mfg. Co. Mircometer frame. 2,975,523, 3–21–61, Cl. 33—164.
Soudan, Paul, and J. O. Breton, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Process for treating aluminum ores. 2,992,893, 7–18–61, Cl. 23—143.
Souder, Alan M., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,990,719, 7–4–61, Cl. 74—5.1.
Souder, Louis C.: *See*—
Melamed, Sidney, and Souder. 2,980,652.
Soulen, Robert L.: *See*—
Kundiger, Donald G., and Soulen. 3,008,994.
Soumerai, Henri: *See*—
Berger, Richard K., Soumerai, and Van Newenhoven. 3,009,632.
Soumerai, Henri, to Worthington Corp. Interchangeable, hermetic and open-type refrigeration compressor. 2,999,629, 9–12–61, Cl. 230—58.
Sound Communication Products, Inc.: *See*—
Jeanmonod, Michel, and Blowers. 2,988,599.
Souser, Chester E., to Armstrong Cork Co. Conveyor system. 2,993,582, 7–25–61, Cl. 198—21.
South, Frank C., to United States of America, Navy. Target sleeve. 3,000,634, 9–19–61, Cl. 273—105.3.
South African Council For Scientific and Industrial Research: *See*—
Cooke, Brian A., Morgan, and Schwelgart. 2,977,298.
Strasheim, Albertus, and Tappere. 2,998,036.
Southall, Fred. Detachable rainshield for automobile windshields. 2,989,339, 6–20–61, Cl. 296—95.
South Bend Tackle Co., Inc.: *See*—
Macy, John M., and Shanahan. 3,003,376.
South Chester Corp.: *See*—
Bisbing, Robert H., and Barry. 2,993,187.
Southern Clays, Inc.: *See*—
Beamesdorfer, John W., and Morris. 2,974,054.
Proctor, William J., Jr. 3,014,836.
Southern Developers, Inc.: *See*—
Davenport, Leon. 2,975,577.
Southern Electric, Inc.: *See*—
Bretz, Frank E., Jr. Re. 25,001.
Southern Gas Association: *See*—
Damewood, Glenn, and Hanchett. 2,979,940.
Damewood, Glenn, and Hanchett. 2,997,124.
Southern Hotel and Restaurant Supplies, Inc.: *See*—
Muckler, Frank, and Fraser. 2,997,155.
Southern, Leslie, to The General Electric Co. Ltd. Shaft couplings. 2,996,902, 8–22–61, Cl. 64—29.
Southern Machinery Co.: *See*—
Jones, Coy V., Sr. 3,012,767.
Southern Mill Equipment Corp.: *See*—
Haddad, Salomao J. 3,004,416.
Haddad, Salomao J. 3,006,174.
Southern Saw Service, Inc.: *See*—
Bennett, Clifford B. Re. 24,993.
Southern Seating Corp.: *See*—
Erickson, Rita A., and La Valley. 3,001,252.
Southern Spring Bed Co.: *See*—
Browning, Wayne F., Jr. 2,994,441.
Southern Textile Machinery Co., Inc.: *See*—
De Spain, Thomas H. 2,969,757.
De Spain, Thomas H. 2,990,982.
Southern United Telephone Cables Ltd.: *See*—
Stark, William H. C. 3,011,707.
Southern Welding & Machine Co., Inc.: *See*—
Michie, James T. 2,991,803.
Southern Wood Preserving Co.: *See*—
Rogers, Thomas G. 3,001,649.
Southern States Equipment Corp.: *See*—
Burdeshaw, Thomas A. 2,970,194.
Richardson, Olan, and Gustafson. 3,012,123.
Southwest Industries, Inc.: *See*—
Barstow, William F. 3,000,707.
Southwest Oilfield Products, Inc.: *See*—
Leman, Arthur L. 2,981,575.
Southwest Research Institute: *See*—
Gesick, Edward J., Mynatt, and McCoy. 3,006,649.
Southwest Specialty, Inc.: *See*—
Irvin, Clifford M., Jr. 2,998,131.
Southwest Structural Concrete Corp.: *See*—
Dorland, Robert C. 3,007,284.
Southwick, John A. Cooling system for engines. 2,967,517, 1–10–61, Cl. 123—41.55.
Southwood, Robert L.: *See*—
Kremen, Seymour S., and Southwood. 2,983,566.
Kremen, Seymour S., and Southwood. 2,983,567.
Southworth, James, Jr.: *See*—
Heuninckx, Alphonse M., and Southworth. 2,991,323.
Southworth Machine Co.: *See*—
Hopkinson, David B. 2,982,064.
Souza, David W., to Dymo Industries, Inc. Contrast color embossed plastics. 2,996,822, 8–22–61, Cl. 40—136.
Souza, David W., to Dymo Industries, Inc. Hand operated embossing tool. 3,006,451, 10–31–61, Cl. 197—6.7.
Sova, Clarence. Multiple article holder. 2,973,099, 2–28–61, Cl. 211—89.
Sovex Ltd.: *See*—
Sauvee, Robert L. 2,971,632.
Sovish, Richard C., to The Dow Chemical Co. Vinylbenzyl ketones and esters and polymers thereof. 3,006,895, 10–31–61, Cl. 260—63.
Sovish, Richard C., and F. L. Saunders, to The Dow Chemical Co. Modification of cellulosic articles. 2,998,329, 8–29–61, Cl. 117—93.
Sowa, Frank J. Method of making an insulated electrical connector. 2,974,400, 3–14–61, Cl. 29—155.55.
Sowa, Frank J. Coordination complexes of urea and boron trifluoride and methods of producing the same. 2,980,733, 4–18–61, Cl. 260—555.
Sowa, Frank J. Method for reducing the moisture content of crops. 3,001,862, 9–26–61, Cl. 71—2.7.
Sowa, Frank J. Method of producing esters of isocyanic acid. 3,013,045, 12–12–61, Cl. 260—453.
Sowder, Tony R., to Riblet Tramway Co. Self-energizing rope brake for aerial tramways. 2,975,728, 3–21–61, Cl. 104—178.
Sowder, Tony R., to Riblet Tramway Co. Aerial lift passenger chair. 2,985,224, 5–23–61, Cl. 155—2.
Sowell, Clyde E. Toy power shovel. 2,985,326, 5–23–61, Cl. 214—135.
Sowell, Ernest A.: *See*—
Voigt, John E., Horst, and Sowell. 2,977,357.
Sowell, Ernest A., J. E. Voigt, and R. J. Horst, to Anheuser-Busch, Inc. Method for producing a high viscosity starch. 3,001,985, 9–26–61, Cl. 260—233.3.
Sowers, Anthony E.: *See*—
Pearce, James G., Sager, and Sowers. 2,968,749.
Sowers, George H., and E. H. Colesworthy, to Johns-Manville Fiber Glass Inc. Method and apparatus for processing fibrous material. 2,990,004, 6–27–61, Cl. 154—29.
Sowers, Hal L.: *See*—
Betz, Howard T., and Sowers. 2,983,190.
Sowter, George R.: *See*—
Atchison, Robert A., and Sowter. 3,012,338.
Sowton, Ankier J. Automatic mail box flag. 3,014,641, 12–26–61, Cl. 232—35.
Soyka, George E.: *See*—
Goyette, Francis H., and Soyka. 2,987,262.
Söyland, Ingebret and K. Mobile excavators. 2,995,261, 8–8–61, Cl. 214—138.
Söyland, Kristian: *See*—
Söyland, Ingebret and K. 2,995,261.
Space Dynamics Corp.: *See*—
Palmeri, Victor R. 2,987,687.
Space Electronics Corp., The: *See*—
Lehan, Frank W. 2,992,325.
Lehan, Frank W., and Norby. 2,998,516.
Stewart, Robert M. 2,969,531.

Space Recovery Systems: *See*—
Knacke, Theodore W. 3,009,673.
Space Technology Laboratories, Inc.: *See*—
Ghose, Rabindra N. 2,972,105.
Marrison, Warren A. 2,974,243.
Ward, Roy C. 2,972,104.
Spacht, Ronald B., to The Goodyear Tire & Rubber Co. Aralkyl, tert.-alkyl, alkyl substituted phenols as antioxidants in rubbers. 2,967,853, 1-10-61, Cl. 260—45.95.
Spacht, Ronald B., to The Goodyear Tire & Rubber Co. Catalytic alkylation of phenol. 2,975,216, 3-14-61, Cl. 260—624.
Spacht, Ronald B., to The Goodyear Tire & Rubber Co. Catalytic alkylation of phenol. 2,975,217, 3-14-61, Cl. 260—624.
Spacht, Ronald B., to The Goodyear Tire & Rubber Co. Stabilization of organic compositions with metal deactivators. 3,010,938, 11-28-61, Cl. 260—45.9.
Spacial, Harry S., to Alloyd Research Corp. Mass spectrometer. 2,970,215, 1-31-61, Cl. 250—41.9.
Spadaro, James J.: *See*—
Eaves, Paul H., and Spadaro. 3,010,977.
Spaenig, Hermann: *See*—
Jahrstorfer, Michael, Spaenig, and Weickmann. 3,006,904.
Spaeth, Irvin J., to Chicago Railway Equipment Co. Railway brake beam structure. 2,973,063, 2-28-61, Cl. 188—229.6.
Spähn, Heinz, and F. H. Wells, to Albright and Wilson (Mfg.) Ltd. Method for chemical polishing of copper. 3,008,812, 11-14-61, 156—20.
Spain, John S. Liquid dispenser for washing appliances. 2,991,911, 7-11-61, Cl. 222—67.
Spain, Robert F.: *See*—
Diamond, Milton J., Fredrickson, and Spain. 3,003,628.
Spain, Roy C., to The Yale & Towne Mfg. Co. Side bar cylinder lock assembly. 3,002,268, 10-3-61, Cl. 29—428.
Spalding, A. G., & Bros., Inc.: *See*—
Latina, Harry B. 2,995,756.
Latina, Harry B. 2,995,757.
Marciniak, Emil J. 3,002,757.
Molitor, Robert P. 2,998,977.
Spalding, Arthur R., and H. Soliner, to Bell & Howell Co. Document stacking mechanism. 3,006,639, 10-31-61, Cl. 271—68.
Spalding, Dudley B. Pressure exchanger apparatus. 2,971,343. 2-14-61, Cl. 62—6.
Spalding, Dudley B. Pressure exchangers. 3,002,357, 10-3-61, Cl. 62—6.
Spalding, Dudley B. Compression ignition pressure exchanger. 3,003,315, 10-10-61, Cl. 60—39.45.
Spalding Knitting Mills: *See*—
Fouts, Thurston R. 3,009,339.
Spalding, Richard L., to Radio Corp. of America. Art of making and testing gettered electron tubes. 2,979,371, 4-11-61, Cl. 316—30.
Spalding, Robert V. Outdoor type domestic incinerator. 2,971,479, 2-14-61, Cl. 110—18.
Spalding, Wilhelm: *See*—
Herlach, Friedrich, Linder, and Spalding. 2,973,694.
Spangenberg, Wesley: *See*—
Bailey, Emmett C., and Spangenberg. 2,972,900.
Spangler, Bernard. Sign. 3,013,475, 12-19-61, Cl. 40—132.
Spangler, Edwin L., Jr.: *See*—
Miner, Charles H. 2,974,544.
Spangler, James O. Body warmer. 3,000,616, 9-19-61, Cl. 257—12.
Spangler, Richard F.: *See*—
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Spann, Albert C. and E. F. Irrigating sprinkler. 2,977,052. 3-28-61, Cl. 239—253.
Spann, Elmer F.: *See*—
Spann, Albert C. and E. F. 2,977,052.
Spannhake, Ernst W.: *See*—
Holbrook, Edward L., Spannhake, and Whaley. 2,989,999.
Hyler, John H., Lott, and Spannhake. 2,998,998.
Spano, John F.: *See*—
Von Hofe, George W., and Spano. 2,982,188.
Spanos, John, to Raytheon Co. Electrical connections to semiconductor bodies. 2,982,893, 5-2-61, Cl. 317—235.
Sparcraft, Inc.: *See*—
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Spargo, John: *See*—
Mader, Emil A. 2,974,731.
Spargo, John. Pivotal louver assembly. 2,998,765, 9-5-61, Cl. 98—119.
Sparke, Harry; *See*—
Rose, Leslie, and Sparke. 2,976,105.
Sparke, Maurice B.: *See*—
Pethrick, Samuel R., and Sparke. 2,991,252.
Pethrick, Samuel R., and Sparke. 3,005,775.
Sparklets Ltd.: *See*—
Heskett, Kenneth D. 2,985,928.
Rousset, Rene P. 2,973,123.
Sparklin, Charles H., and E. L. Hall, to Whirlpool Corp. Vacuum cleaner. 2,980,939, 4-25-61, Cl. 15—377.
Sparkman, Colonel. Livestock chute gate. 2,999,480, 9-12-61, Cl. 119—98.
Sparkman, Orval, and C. T. Wasileski. Cryogenic pipe coupling. 2,971,782, 2-14-61, Cl. 285—332.3.
Sparks Corp., The: *See*—
Allison, Crawford G., Hartman, and Sparks. 2,971,638.
Sparks, George C.: *See*—
Allison, Crawford G., Hartman, and Sparks. 2,971,638.
Sparks, George C. Tear-strip pill package. 2,968,391, 1-17-61, Cl. 206—42.
Sparks, George C. Easy-opening setup box. 2,975,954, 3-21-61, Cl. 229—51.
Sparks, Warren O.: *See*—
Pitcher, Richard M., Rose, and Sparks. 2,978,033.
Sparling, Robert O. Pile fabric loom assembly and wire therefor. 2,967,548, 1-10-61, Cl. 139—37.
Sparling, Robert O. Leno-type loom assembly and pile wire therefor. 2,971,539, 2-14-61, Cl. 139—46.
Sparmann, Heinz W., to Schering A.G. Method of preventing marine growth, and antifouling compositions useful for said method. 2,970,923, 2-7-61, Cl. 106—15.
Sparrow, Ernest E., to American Optical Co. Hand stamps. 2,994,266, 8-1-61, Cl. 101—380.
Sparrow, Hubert T., to Minneapolis-Honeywell Regulator Co. Thermoelectrically energized control apparatus. 2,977,050, 3-28-61, Cl. 236—1.
Sparrow, Maxwell E.: *See*—
Weiss, Charles. 2,992,648.
Spase, Charles B., deceased, by M. N. Spase, executrix. Speed torque metering unit. 2,983,123, 5-9-61, Cl. 64—30.
Spase, Charles B., deceased, by M. N. Spase, executrix. Thermally responsive transmission for automobile fan. 2,983,124, 5-9-61, Cl. 64—30.
Spase, Maude N.: *See*—
Spase, Charles B. 2,983,123.
Spase, Charles B. 2,983,124.
Spat, Melvin, to United States of America, Navy. Lubricating arrangement for co-axial shafts. 2,999,000, 9-5-61, Cl. 308—187.
Spatz, Fritz and W. Spacers for steel inserts in reinforced concrete. 2,984,947, 5-23-61, Cl. 50—507.
Spatz, Werner: *See*—
Spatz, Fritz and W. 2,984,947.
Spaude, Siegfried: *See*—
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Spaulding, Charles A., and M. E. Oberholtz, to The Refinite Corp. Vacuum cleaner attachment for swimming pool skimmer. 3,000,508, 9-19-61, Cl. 210—477.
Spaulding, David C.: *See*—
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Spaulding, Howard I. Control for dispensing devices. 2,986,310, 5-30-61, Cl. 222—481.5.
Spaulding, Joseph H. Illuminator bracket. 2,974,920, 3-14-61, Cl. 248—291.
Spaulding, Joseph H. Leveling means for illuminator. 3,011,047, 11-28-61, Cl. 240—3.
Spaunburgh, Richard G.: *See*—
Rhodes, Michael S., and Spaunburgh. 2,970,123.
Spaven, William J., to United States of America, Navy. Computer. 2,993,645, 7-25-61, Cl. 235—194.
Speakman Co.: *See*—
Fraser, James. 2,987,070.
Fraser, James. 3,007,648.
Fraser, James, and McLean. 2,991,795.
McLean, Edward S. 3,008,652.
McLean, Edward S., and Fraser. 3,014,667.
Speakman, Raymond H., and R. B. Macleod, to Imperial Chemical Industries Ltd. Process and apparatus for making crimped filaments. 2,974,391, 3-14-61, Cl. 28—11.
Spear, Gilmore M.: *See*—
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Spear, Gilmore M., to The Gleason Works. Cutter for spiral bevel and hypoid gears. 2,974,398, 3-14-61, Cl. 29—105.
Spear, Leonard I. Contact lens holder. 2,997,918, 8-29-61, Cl. 88—56.
Spear Products, Inc.: *See*—
Wolfe, Robert A. 2,982,553.
Spear, Walter A., to Nutone, Inc. Ceiling heater and ventilator. 3,0001,056, 9-19-61, Cl. 219—39.
Spear, Walter A., to Nutone, Inc. Door chime. 3,002,187, 9-26-61, Cl. 340—328.
Spears, Esten W., Jr., and W. T. Given, III, to General Motors Corp. Variable convergent-divergent jet nozzle. 3,004,385, 10-17-61, Cl. 60—35.6.
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Spechler, Daniel S.: *See*—
Beeber, Allan R. A., and Spechler. 2,999,016.
Specht, Charles A., to Minerals & Chemicals Philipp Corp. Tobacco composition and smoking unit containing material for eliminating deleterious matter. 3,005,732, 10-24-61, Cl. 131—17.
Specht, Charles A., to Minerals & Chemicals Philipp Corp. Tobacco composition and smoking unit containing material for eliminating deleterious matter. 3,011,921, 12-5-61, Cl. 131—17.
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Special Engineering Service, Inc.: *See*—
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Special Instruments Laboratory, Inc.: *See*—
Neil, Hugh G. 2,981,986.
Neil, Hugh G. 3,001,080.
Special Products Co. of Tennessee, Inc.: *See*—
Duchene, William R., Arledge, and Jacomino. 2,998,512.
Special Purpose Engine Co. Inc.: *See*—
Taylor, Charles F., and Livengood. 2,968,916.

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Delong, Armin, Drahós, and Speciálný. 2,993,993.
Dennis, David H. 2,990,699.
Diquattro, Robert G. 3,001,377.
Diquattro, Robert G. 3,012,613.
Fleming, William T. 2,995,292.
Joerren, Ernest A., and Bagno. 3,011,718.
Klein, Clifford J. 2,994,859.
Masnik, Walter, and Kirkup. 2,992,527.
Olandt, John W. 3,007,445.
Rasmusson, Donald R., and Schrank. 2,985,383.
Schmidlin, Albertus E., and Fleming. 3,004,444.
Siman, Alfred W., and Thomsen. 2,990,852.
Specialties, Inc.: *See*—
Blake, Richard F. 2,967,252.
Bucalo, Louis. 2,977,793.
Bucalo, Louis. 2,995,930.
Cahill, Daniel T. 2,969,772.
Carey, Thomas P. 2,974,647.
Doty, Spencer W. 2,996,705.
Fieldgate, Ivan O. 2,971,375.
Gallagher, Norman K., and Caruthers. 3,007,343.
Gwathmey, Edward S. 2,979,948.
Kane, Donald C. 2,975,958.
McClellan, Stephen A. 3,008,134.
Pucill, Peter M. 2,969,765.
Roderick, Robert L., and Gwathmey. 2,973,643.
Specialty Engineering & Electronics Co.: *See*—
Ross, Joseph I. 2,987,691.
Specialty Papers Co., The: *See*—
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Speckman, Clifford H. Rotary mower. 2,976,665, 3-28-61, Cl. 56—255.
Specmade Products, Inc: *See*—
Crandall, Loid. 2,990,736.
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Spedding, Frank H., H. A. Wilhelm, and W. H. Keller, to United States of America, Atomic Energy Commission. Production of metals. 3,000,726, 9-19-61, Cl. 75—84.1.
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Rosenthal, Sidney N. 2,999,266.
Rosenthal, Sidney N. 3,000,355.
Rosenthal, Sidney N. 3,003,181.
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Rosenthal, Sidney N. 3,003,183.
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Rosenthal, Sidney N. 3,003,461.
Rosenthal, Sidney N. 3,003,468.
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Oleesky, Samuel S., Peach, Speen, and McClure. 3,002,190.
Speer Carbon Co.: *See*—
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Speer, Ivan E., to The Garrett Corp. Fuel control for turbine driven compressor unit. 3,002,346, 10-3-61, Cl. 60—39.07.
Speers, Stewart W., to American Viscose Corp. Apparatus for finishing textiles. 2,973,635, 3-7-61; Cl. 68—5.
Spees, Arthur T. Tear strip means for plastic packaging. 2,991,000, 7-4-61, Cl. 229—51.
Speese, Daniel S. Toilet-seat cover dispensing machine. 2,987,732, 6-13-61, Cl. 4—247.
Speggiorin, Giuseppe, and A. Lampuzzi. Universal winding machine for coins and disc shaped objects. 3,000,160, 9-19-61, Cl. 53—212.
Speh, Karl C., and W. E. Landauer, to Cutler-Hammer, Inc. Measuring apparatus. 2,984,746, 5-16-61, Cl. 250—83.3.
Speicher, Paul L., to The Cyclone Seeder Co., Inc. Broadcast spreader. 2,992,008, 7-11-61, Cl. 275—12.
Speidel Corp.: *See*—
Augenstein, Karl C. 2,986,871.
Augenstein, Karl C. 2,998,697.
Maeder, Paul F. 2,993,100.
Minicucci, Peter, Jr. 3,013,834.
Speidel, George B., to Metal Edge Industries. Staying machine die. 2,987,728, 6-13-61, Cl. 1—117.
Speidel, George B., to Metal Edge Industries. Staying machine. 2,997,714, 8-29-61, Cl. 1—117.
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Speiler, Jack B., and G. J. King, to United Aircraft Corp. Star tracker. 3,014,133, 12-19-61, Cl. 250—203.
Spellman, William. Drip dryer. 2,967,624, 1-10-61, Cl. 211—100.
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Spenadel, Lawrence, to Esso Research and Engineering Co. Method for producing isoparaffins. 2,987,561, 6-6-61, Cl. 260—683.53.
Spenadel, Lawrence, and R. O. Steiner, to Esso Research and Engineering Co. Means for producing branched hydrocarbons. 2,982,800, 5-2-61, Cl. 260—683.53.
Spence, Gerald M., to Monolith Portland Midwest Co. Process of sintering aluminum containing minerals. 2,973,244, 2-28-61, Cl. 23—52.
Spence, Harry R. Methods and apparatus for desulphurization of ferrous metals. 2,992,097, 7-11-61, Cl. 75—55.
Spence, Paulsen. Pump. 2,967,486, 1-10-61, Cl. 103—103.
Spence, Paulsen. Temperature regulator. 2,990,721, 7-4-61, Cl. 74—102.
Spence, Paulsen. Regulating-valve means. 3,006,362, 10-31-61, Cl. 137—489.5.
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Spence, Robert, to United Kingdom Atomic Energy Authority. Nuclear reactors. 2,994,651, 8-1-61, Cl. 204—154.2.
Spence, Robert E., to Dana Corp. Releasable snap ring connection. 2,987,897, 6-13-61, Cl. 64—21.
Spence, Thomas E., to SKF Industries, Inc. Fabrication of anti-friction bearing units. 3,013,327, 12-19-61, Cl. 29—148.4.
Spence, Thomas E., and A. R. Spicacci, to Channnig Corp. Anti-friction bearing fabrication. 2,986,802, 6-6-61, Cl. 29—148.4.
Spence, Thomas E., and F. R. Smith, to SKF Industries, Inc. Methods of fabricating anti-friction bearings. 2,998,636, 9-5-61, Cl. 29—148.4.
Spence, William G. Check valves. 2,966,925, 1-3-61, Cl. 137—540.
Spencer, Arthur J., to International Computers and Tabulators Ltd. Data storage devices. 2,984,823, 5-16-61, Cl. 340—172.5.
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Clark, Clayton F., and Hill. 2,991,265.
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Crowe, Gordon A. 3,000,698.
Hopkins, Thomas R., Neighbors, and Hoffmann. 3,008,869.
Martin, Paul T. 2,990,690.
Sprang, Fred G., Jr. 2,985,387.
Spencer, David P., and H. R. Bourne. Coating of fabrics. 2,981,637, 4-25-61, Cl. 117—76.
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Spencer, Glenn S., to The Bendix Corp. Engine starter drives. 2,979,961, 4-18-61, Cl. 74—7.
Spencer, Glenn S., to The Bendix Corp. Engine starter drives. 2,999,705, 9-12-61, Cl. 287—52.08.
Spencer, Harvey G., to United States of America, Air Force. Sealing rings. 2,998,991, 9-5-61, Cl. 288—17.
Spencer, Herbert D. Device for elevating and aligning building material. 2,969,220, 1-24-61, Cl. 254—4.
Spencer, James A., to Radio Corp. of America. Selective signalling display system with checking and acknowledgment. 2,978,676, 4-4-61, Cl. 340—154.
Spencer, James H., to Raytheon Co. Method for bonding laminations. 2,992,480, 7-18-61, Cl. 29—472.3.
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Spencer, Kenneth M., to Sylvania Electric Products Inc. Electrical welding apparatus. 2,976,395, 3-21-61, Cl. 219—108.
Spencer, Kenneth M., to Sylvania Electric Products Inc. Anode assembly mechanism. 3,012,169, 12-5-61, Cl. 313—288.
Spencer, Michael S., and D. A. Dowden, to Imperial Chemical Industries Ltd. Selective hydrogenation of conjugated diolefines to mono-olefines. 3,009,969, 11-21-61, Cl. 260—666.
Spencer, Richard A., Jr., and C. B. Smith, to ACF Industries, Inc. Carrier landing trainer. 3,012,337, 12-12-61, Cl. 35—12.
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Spencer, Robert D., to Aerotec Industries, Inc. Angle of attack instrumentation for aircraft. 2,986,033, 5-30-61, Cl. 73—180.
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Spencer, Rolf E., to Electric & Musical Industries Ltd. Interpolation device for the control of automatic machines. 2,992,774, 7–18–61, Cl. 235—61.6.
Spencer, Rolf E., to Electric & Musical Industries Ltd. Apparatus for deriving a differential coefficient. 3,009,642, 11–21–61, Cl. 235—197.
Spencer, Rolf E., to Electric & Musical Industries Ltd. Interpolator devices. 3,010,656, 11–28–61, Cl. 235—197.
Spencer, Rolf E., and J. H. Phillips, to Electric & Musical Industries Ltd. Automatic control servosystem, especially for machine tools. 2,969,489, 1–24–61, Cl. 318—28.
Spencer, Rolf E., and R. Voles, to Electric & Musical Industries Ltd. Displacement measuring devices. 2,994,051, 7–25–61, Cl. 336—115.
Spencer, Rolf E., and J. H. Phillips, to Electric & Musical Industries Ltd. Servomotor control system especially for machine tools. 2,994,812, 8–1–61, Cl. 318—28.
Spencer, Sherron F., to Spencer Rock Drill Co., Inc. Rock drill bit. 2,971,594, 2–14–61, Cl. 175—400.
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Spencer, William H., and J. D. Brown, to Ultra-Tach Co. Insulation mounting. 2,999,277, 9–12–61, Cl. 20—4.
Spencer, William H., and J. D. Brown, to Ultra-Tach Co. Insulation mounting. 2,999,278, 9–12–61, Cl. 20—4.
Spengler, Arthur F., Jr.: *See*—
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Spengler, Günter, and H. Hohn, to The Alpha Molykote Corp. Method of lubrication employing a mixed metal sulfide lubricant and bearing surface with same applied thereto. 2,977,302, 3–28–61, Cl. 252—25.
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Spengler, Walter. Apparatus for grounding electrostatic charges. 2,983,847, 5–9–61, Cl. 315—111.
Speranza, George P., to Jefferson Chemical Co., Inc. Process for refining crude polymers and adducts of propylene oxide. 3,000,963, 9–19–61, Cl. 260—615.
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Spero, George B.: *See*—
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Spero, George B., and J. L. Thompson, to The Upjohn Co. 11-oxygenated-6 methyl progesterone and intermediates therefor. 2,968,655, 1–17–61, Cl. 260—239.55.
Spero, George B., F. H. Lincoln, Jr., and W. P. Schneider, to The Upjohn Co. 17*a*,21-epoxy-pregnenes. 3,012,028, 12–5–61, Cl. 260—239.55.
Spero, Harold A. Sunglasses. 2,998,610, 9–5–61, Cl. 2—13.
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Sperry, Charles R., and C. S. Marden, to Arthur D. Little, Inc. Fluid-tight fastener and closure. 2,978,770, 4–11–61, Cl. 24—203.
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Barr, John D., and Sloan. 2,998,728.
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Dove, Frank. 2,969,208.
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French, Norman E. 2,977,804.
Glenny, Arthur P. 2,973,650.
Jones, Brian H. 2,967,703.
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Sperry Gyroscope Co. of Canada, Ltd.: *See*—
Herzl, Peter J. 3,007,494.
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Henry, Elliott A. 2,985,009.
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Abzug, Malcolm J. 2,979,289.
Adams, George R., and Cleary. 3,012,667.
Baker, Donald H. 2,998,727.
Bargetzi, Fred H., Jr., and Brady. 3,012,572.
Barnaby, Roland E. 2,990,718.
Beach, Lennox F. 2,998,794.
Beiler, Aaron P. 3,001,635.
Berglund, Arthur. 2,971,253.
Berky, Richard K. 2,981,343.
Blain, Albert. 2,976,510.
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Blanshine, Allison W. 2,978,097.
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Bonn, Theodore H. 2,970,295.
Bonn, Theodore H. 2,972,129.
Bonn, Theodore H. 2,987,709.
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Bonn, Theodore H., and Eckert. 2,997,599.
Bonn, Theodore H., and Lawrence. 2,979,698.
Bonn, Thodore H., and Spencer. 2,972,059.
Braddon, Frederick D., Beach, and Chadwick. 2,979,010.
Brand, Frederick B., Chadwick, and Bentkowsky. 3,003,450.
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Clement, Warren F. 2,998,804.
Cohn, Seymour B., and Proctor. 3,008,141.
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Crane, Jack W., and Pellett. 2,977,873.
Crosby, Robert L., Prom, and Kelsey. 3,008,055.
Cypser, Gustav J., and Dayton. 2,999,237.
Daniels, Howard L. 2,995,632.
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Da Ros, Dino A. 2,974,297.
De Lauty, Loren J. 2,986,942.
Depp, Marlin C. 2,974,264.
De Prado, John R. 3,007,510.
Dingelstedt, Carl. 2,982,967.
Dorman, Charles. 2,989,232.
Drexel, Werner H. 3,004,196.
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Esval, Orland E. 2,993,625.
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Freeman, Herbert. 2,970,763.
Glass, Emmett F., McCarty, and Bumm. 3,006,124.
Goodwin, David P., and Spencer. 2,979,699.
Greenfield, Milton H. 2,991,464.
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Hammon, Robert L. 2,995,040.
Hammond, Edmund B., Jr. 2,968,871.
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Harris, Herbert, Jr., and White. 3,008,073.
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Hill, John L. 2,991,460.
Hilmar, Fred E. 2,991,408.
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Hollyday, James H. 2,975,650.
Hollyday, James H. 2,994,178.
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Ingwerson, Dale R., and Carpentier. 2,995,302.
Israelson, Evert G., and Morris. 2,976,977.
Jude, George F., and Miller. 2,998,946.
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Kline, Charles M. 3,010,295.
Lalli, John O. 3,003,398.
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Lane, Arthur W. 2,977,806.
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Lanning, Walter C. 2,970,759.
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Lawrence, Joseph D., Jr. 2,992,409.
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Leahy, Robert E. 3,013,261.
Lipkin, Daniel M. 2,987,667.
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Lukoff, Herman, and Stovall. 2,972,127.
MacDonald, Leslie A. 3,008,076.
Mannheimer, David. 2,995,739.
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Mark, Richard S., Stansell, Oldenburg, and Boyden. 2,989,231.
McCartney, Earl J., and Braddon. 2,986,966.
McCarty, Horace G. 2,986,863.
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McCoy, Rawley D. 3,008,136.
Melrowitz, Richard L. 3,007,637.
Meyer, Bruce L. 2,981,853.
Miller, Harry, and Jude. 3,007,656.
Miller, Harry, and Parker. 2,973,927.
Morris, John C. 2,996,165.
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Naiman, Mark. 2,987,582.
Neumann, George J. 2,999,153.
Newell, William H. 2,967,663.
Newell, William H., Burgess, Zabb, and Frangoulis. 2,978,177.
Newell, William H., Burgess, Zabb, and Frangoulis. 2,996,706.
Newell, William H., and Crowther. 2,995,296.
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Newton, George C., Jr., White, and Hammond. 2,968,997.
Nolt, Edwin B. 2,981,173.
Nolt, Edwin B. 3,014,335.
Olivieri, Daniel, and Forker. 2,999,213.
Oppenheimer, Ernest, and Selden. 2,987,050.
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Osgood, Harold A., Jr. 2,984,150.
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Potter, Francis M., and Achtmeyer. 2,998,937.
Quinn, James A., and Frangoulis. 2,990,116.
Ragni, Victor F. 2,995,743.
Rand, Philip S. 3,011,703.
Randise, Dominick. 2,999,174.
Rapacz, Raymond. 3,004,251.
Reitman, Lester J. 3,007,446.
Riola, Michael R. 2,986,945.
Rossing, Thomas D., and Bergh. 3,004,243.
Rubens, Sidney M. 2,995,631.
Rundlett, James C. 2,987,719.
Schneider, Joseph R. 3,008,137.
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Schwalbe, Julian H. 3,013,260.
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Schwalm, Bruce D. 2,990,667.
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Sims, John C., Jr. 2,996,575.
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Siskind, Philip. 2,989,687.
Smith, Bruce K. 2,976,519.
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Smoker, Isaac Z., and Ritchey. 3,010,726.
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Torrey, Robert D. 2,972,060.
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Wadey, Walter G. 3,005,533.
Wathen, Robert L. 2,999,239.
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Williams, Gerald I. 3,001,180.
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Wittke, Ernest C. 2,978,622.
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Wolters, Carl F. 2,984,531.
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Bosch, Carl. 2,995,751.
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Crooke, Raymond E. 2,980,326.
Crowther, George A. 2,997,232.
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D'Amico, Salvatore P. 2,972,710.
Erb, Theodor, Egan, and Fredricks. 2,967,940.
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Spesock, Gilbert J., D. L. Rolph, and C. S. Balaz, to Friden, Inc. Electro-magnetic selecting apparatus. 2,970,756, 2–7–61, Cl. 235—60.12.

Spexarth, Christian L., to Harley-Davidson Motor Co. Apparatus for providing a proper mixture of fuel and oil for an internal combustion engine. 2,986,162, 5–30–61, Cl. 137—571.

Spexarth, Christian L., to Outdoor Recreation, Inc. Portable fogging device for insecticides and the like. 3,002,237, 10–3–61, Cl. 21—109.

Speyer, Frederick B., to Collier Carbon and Chemical Corp. Stabilization of polyolefines with alkaline stabilizers. 3,012,003, 12–5–61, Cl. 260—45.7.

Speziale, Angelo J.: *See*—
Hamm, Philip C., and Speziale. 2,973,258.
Hamm, Philip C., and Speziale. 3,007,786.

Speziale, Angelo J., to Monsanto Chemical Co. Quaternary ammonium iodides. 3,014,046, 12–19–61, Cl. 260—347.3.

Spiazzi, Ivo, to Fabbrica Italiana Macchine Aziendali. System for the feeding of plates in address-printing machines. 3,006,458, 10–31–61, Cl. 198—221.

Spiazzi, Ivo, to Fabbrica Italiana Macchine Aziendali. Combined printing of fixed and variable data by means of address-printing machines. 3,007,397, 11–7–61, Cl. 101—57.

Spicacci, Attilio R.: *See*—
Spence, Thomas E., and Spicacci. 2,986,802.

Spicacci, Attilio R. Oscillatory mechanism and bearing therefor. 2,971,387, 2–14–61, Cl. 74—60.

Spicacci, Attilio R. Method of manufacturing bearing races. 2,983,030, 5–9–61, Cl. 29—148.4.

Spicacci, Attilio R. Method of manufacturing a raceway. 3,005,297, 10–24–61, Cl. 51—291.

Spicer, Curtis D., to General Electric Co. Tube crack-off machine. 2,986,845, 6–6–61, Cl. 49—50.

Spicer, John J., Jr., to Novo Industrial Corp. Control switch. 2,977,432, 3–28–61, Cl. 200—16.

Spicer, John J., Jr., to Novo Industrial Corp. Turn signal switch. 2,977,435, 3–28–61, Cl. 200—61.27.

Spicers Ltd.: *See*—
Monck, Bosworth E. 3,011,377.

Spickard, Lawrence J. Plank driving head. 3,005,503, 10–24–61, Cl. 175—157.

Spickelmier Industries, Inc.: *See*—
Ammerman, John M. 2,978,757.

Spider Staging, Inc.: *See*—
Fisher, Sidney L. 2,998,094.

Spiegel, Eitel-Fritz, to M. Grundig. Television pickup camera with spiral scanning and beam intensity modulation proportional to deflection velocity. 3,006,994, 10–31–61, Cl. 178—7.2.

Spiegel, Maurice L., to La Maur, Inc. Sprayable water free alcoholic polyvinyl-pyrrolidone hair preparation. Re. 25,022, 8–8–61, Cl. 167—87.1.

Spiegel, Milton, to Food Machinery and Chemical Corp. Comminuting device. 2,995,248, 8–8–61, Cl. 210—67.

Spiegelhalter, William G., to General Electric Co. Variable output air conditioning unit and control arrangement therefor. 3,009,332, 11–21–61, Cl. 62—180.

Spiegler, Kurt S.: *See*—
Kukin, Ira, and Spiegler. 2,980,517.

Spieker, Luverne J.: *See*—
Bucy, J. Fred, Jr., Jones, Morrison, and Spieker. 2,994,851.

Spielberg, Arnold M.: *See*—
Page, John F., and Spielberg. 3,007,137.

Spieler, George W.: *See*—
Finley, George A., and Spieler. 2,983,312.
Finley, George A., and Spieler. 2,983,500.

Spielman, James F., to Aerotec Industries, Inc. Safety reel. 2,982,492, 5–2–61, Cl. 242—107.4.

Spielman, James F. Helicopter rotor control devices. 3,006,418, 10–31–61, Cl. 170—160.24.

Spier, Carl P., to Morris Bean & Co. Sipe blades. 2,983,005, 5–9–61, Cl. 22—160.

Spier, Carl P., and P. W. Wagner, to Morris Bean and Co. Manufacture of core forms. 2,983,004, 5–9–61, Cl. 22—158.

Spier, Hans G., to Baldwin-Lima-Hamilton Corp. Gear-type misalignment coupling. 3,010,294, 11–28–61, Cl. 64—9.
Spierer, Walter J. Combined sinker and fish lure. 2,968,114, 1–17–61, Cl. 43—44.99.
Spierto, James R.: *See*—
Dixon, Austin, and Spierto. 2,984,903.
Spies, Donald H.: *See*—
Schubert, Hermand A., and Spies. 3,005,405.
Spies, George R., Jr., and M. Kollar, to Air Reduction Co., Inc. Torch tips and methods of making same. 2,993,531, 7–25–61, Cl. 158—27.4.
Spies, Hans: *See*—
Bock, Peter, Spies, and Deitlhauser. 3,003,479.
Spiess, C. F., & Sohn: *See*—
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Spiess, Fred N., to The Regents of the University of California. Method and apparatus for measuring accelerations in the ocean. 2,986,036, 5–30–61, Cl. 73—382.
Spiess, Georg. Separating device for sheet feeding apparatus. 3,000,629, 9–19–61, Cl. 271—26.
Spietschka, Ernst, and H. Schlichenmaier, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Leuco-sulfuric acid esters of dyestuffs of the benzanthrone-pyrazolanthrone series. 3,004,030, 10–10–61, Cl. 260—275.
Spigel, Robert. Respirator. 2,972,345, 2–21–61, Cl. 128—29.
Spillane, Leo J.: *See*—
Winternitz, Paul F., and Spillane. 3,008,988.
Spiller, Charles A.: *See*—
Kennel, William E., Field, Spiller, and Weisemann. 2,973,350.
Spillers Ltd.: *See*—
Evans, Cyril H. 3,014,801.
Spilliaert, André H., and G. Higuet, to Cie Massey-Ferguson. Bale delivery assembly. 3,012,648, 12–12–61, Cl. 193—43.
Spillios, Themus A. Method of handling strip or bar materials. 2,992,749, 7–18–61, Cl. 214—152.
Spillios, Themus A. Storage device for heavy articles. 2,992,802, 7–18–61, Cl. 248—120.
Spillmann, Max: *See*—
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Spilman, Raymond: *See*—
Jerabek, Charles A., Spilman, and Stephenson. 3,002,584.
Spincraft, Inc.: *See*—
Belau, Kenneth E. 2,984,738.
Spindler, Bernard A. Dog house. 2,987,043, 6–6–61, Cl. 119—121.
Spindler, Joseph C., to Zenith Radio Corp. Power cord type antenna system for a wave-signal receiver. 2,991,355, 7–4–61, Cl. 250—16.
Spindler, Joseph C., to Zenith Radio Corp. Remote control system. 2,992,412, 7–11–61, Cl. 340—171.
Spinelli, Frank P., and J. T. Coliz, to Automatic Switch Co. Mechanically held movement and magnetic motor therefor. 3,011,100, 11–28–61, Cl. 317—123.
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Hildebrandt, Friedrich. 2,993,798.
Hildebrandt, Friedrich, and Hose. 3,006,027.
Spinrad, Robert J., to United States of America, Atomic Energy Commission. Core saturation blocking oscillator. 3,005,158, 10–17–61, Cl. 328—58.
Spiral Binding Co., Inc.: *See*—
Catini, Vincenzo. 2,995,157.
Spiro, Philip. Refrigeration alarm system. 2,968,275, 1–17–61, Cl. 116—102.
Spirt, Milton. Cabinet-type adjustable and tunable indoor dipole antenna system. 2,983,917, 5–9–61, Cl. 343—745.
Spisak, Edward G., to Gar Wood Industries, Inc. Wheel trim. 3,012,823, 12–12–61, Cl. 301—37.
Spiselman, Joseph W. Constructions for elevated sectional flooring. 3,011,222, 12–5–61, Cl. 20—6.
Spisz, Albert S., to L. W. Menzimer, trustee. Brake actuating mechanism. 3,002,394, 10–3–61, Cl. 74—152.
Spitaleri, Vernon R.: *See*—
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Mangus, George, and Spitaleri. 2,990,000.
Spitler, Clem H., and J. D. Gayer, to Master Vibrator Co. Troweling machine. 2,979,996, 4–18–61, Cl. 94—45.
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Spitzer, Charles F., to General Electric Co. Electroluminescent devices and networks. 2,975,290, 3–14–61, Cl. 250—213.
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Kulsrud, Russell M., and Spitzer. 3,012,955.
Spitzer, Lyman, Jr., to United States of America, Atomic Energy Commission Reactors. 3,002,912, 10–3–61, Cl. 204—154.2.
Spitzner, Herbert: *See*—
Vogel, Helmut, Hartmann, and Spitzner. 3,005,594.
Spivak, Karl L.: *See*—
Mund, Morris. 2,979,025.
Spivey, Alva C. Yarn guide element. 3,004,733, 10–17–61, Cl. 242—157.
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Callender, Jack E., Slemmer, and Spjeldnes. 3,007,006.
Spjeldnes, Kare K., J. E. Callender, R. H. Slemmer, and W. H. Blashfield, to North Electric Co. Automatic telephone system. 3,007,008, 10–31–61, Cl. 179—22.
Splettstoeser, Floyd W. Milk weighing device for pipeline milking. 3,013,431, 12–19–61, Cl. 73—202.
Spodig, Heinrich. Magnetic separator. 2,968,402, 1–17–61, Cl. 209—219.
Spodobalski, Joseph W., to Wheeler, Morris, & Co., Inc. Methods of forming and dressing saw teeth. 2,986,049, 5–30–61, Cl. 76—112.
Spohn, Karl. Method of and apparatus for making plate and cylinder cams. 2,990,753, 7–4–61, Cl. 90—20.
Spokes, Albert. Nut with recesses to receive metal of the workpiece. 3,000,420, 9–19–61, Cl. 151—41.73.
Spokes, Raymond E., and F. W. Smith, to American Brake Shoe Co. Friction elements. 2,966,737, 1–3–61, Cl. 29—182.5.
Spon, Carroll V.: *See*—
North, Edwin W., and Spon. 2,998,993.
Sponge Products Corp.: *See*—
Greenleaf, Nathaniel B. 2,975,455.
Spool, Max. Bead-stringing machines. 3,004,690, 10–17–61, Cl. 223—48.
Spoon, Hans J.: *See*—
Grosser, Hermann K. M., and Spoon. 3,007,998.
Spooner, Daniel. Instruction device for telling time. 2,994,970, 8–8–61, Cl. 35—39.
Spooner, David L., to Industrial Nucleonics Corp. Measuring system. 2,999,932, 9–12–61, Cl. 250—83.
Spooner Dryer & Engineering Co. Ltd., The: *See*—
Spooner, William W. 2,969,204.
Spooner, William W. 3,006,080.
Spooner, Howard E., to Engelhard Industries, Inc. Method of making an electrical contact. 2,984,893, 5–23–61, Cl. 29—155.55.
Spooner, Howard E., to Engelhard Industries, Inc. Welding apparatus and method. 3,011,044, 11–28–61, Cl. 219—82.
Spooner, Robert B., to Koppers Co., Inc. Power production system. 3,012,937, 12–12–61, Cl. 204—193.2.
Spooner, William W., to The Spooner Dryer & Engineering Co. Ltd. Apparatus for tensioning materials. 2,969,204, 1–24–61, Cl. 242—75.2.
Spooner, William W., to The Spooner Dryer & Engineering Co. Ltd. Convection treatment apparatus. 3,006,080, 10–31–61, Cl. 34—160.
Spoor, Herbert J.: *See*—
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Lange, Harold T., and Kounovsky. 2,967,403.
Leimbach, John G. 3,014,351.
Leimbach, John G. 3,014,352.
Spork, Erwin E. Sliding door lock. 3,012,430, 12–12–61, Cl. 70—99.
Spotnails, Inc.: *See*—
Crooks, Charles E., and Beckman. 2,983,255.
Shearer, Robert B. 2,994,879.
Spotz, Donald R.: *See*—
Bayuk, Robert R., Howe, and Spotz. 2,994,515.
Spound, Albert M. Projecting headrest. 2,976,915, 3–28–61, Cl. 155—177.
Spound, Albert M. Reclining chair headrest constructions. 2,982,340, 5–2–61, Cl. 155—177.
Spound, Albert M., and J. Martin; said Martin assor. to said Spound. Automatically actuated headrest for reclining chairs. 2,975,826, 3–21–61, Cl. 155—177.
Spracklen, Stanford B., D. N. Campbell, and C. G. Fellows, to Union Carbide Corp. Method of and apparatus for electrochemical gas analysis. 3,005,758, 10–24–61, Cl. 204—1.
Spragens, George F. Continuous mixing apparatus. 2,981,522, 4–25–61, Cl. 259—3.
Spragens, George F. Continuous mixing and jet discharge apparatus. 2,981,523, 4–25–61, Cl. 259—3.
Sprague, Thomas D.: *See*—
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Sprague, Carl F., to General Electric Co. Article packing card. 3,011,628, 12–5–61, Cl. 206—45.19.
Sprague Electric Co.: *See*—
Allison, William M. 2,974,396.
Bernard, Walter J., and Auty. 3,003,089.
Beverly, Merritt L., and Kahn. 2,970,244.
Cahill, Robert V. 2,994,945.
Deyerl, Herman F. 3,015,050.
Donohue, Frank L., and Teeple. 2,994,057.
Geiser, David T. 2,975,384.
Geiser, David T. 3,014,977.
Hunicke, Raymond L. 2,996,038.
Hutt, Stanley D., Smyth, and Stefanski. 2,968,687.
Kahn, Manfred, and Cooper. 3,002,137.
Lebert, Gerald A., and Schulze. 3,014,978.
Lehovec, Kurt. 2,991,371.
Lehovec, Kurt. 2,993,998.
Lehovec, Kurt. 3,007,992.
Lehovec, Kurt, and Zuleeg. 2,980,831.
May, Harold V., and Kalker. 3,014,195.
Netherwood, Paul H., Laliberte, and Shor. 2,997,414.
Oberly, John J. 2,983,823.
Rice, Livingston L., and Dagnoli. 3,009,086.
Robinson, Preston. 2,981,646.
Robinson, Preston. 2,993,156.

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Robinson, Preston. 3,015,051.
Ross, Sidney D. 3,014,265.
Rubinstein, Harry W., Williams, and Dornfeld. 2,968,752.
Sprague Engineering Corp.: *See*—
Livers, Carlos B. 2,994,306.
Sprague, Frank. Sequence controller for valves. 2,973,782, 3–7–61, Cl. 137—627.5.
Sprague, Gordon V., Jr.: *See*—
Howard, Jerome C., Card, and Sprague. 3,010,127.
Sprague, Gordon V., Jr., to United Shoe Machinery Corp. Machines for applying a uniform coating. 3,003,459, 10–10–61, Cl. 118—8.
Sprague & Henwood, Inc.: *See*—
Janson, Leroy W., and De Witt. 3,004,614.
Sprague, James M., and J. B. Bicking, to Merck & Co., Inc. 5-acylamido-4-substituted-thiazole-2-sulfonamides having diuretic properties. 2,978,457, 4–4–61, Cl. 260—306.8.
Sprague, James M., and C. Ziegler, to Merck & Co., Inc. 2-sulfamyl-4-substituted-thiazoles having diuretic properties. 2,994,701, 8–1–61, Cl. 260—302.
Sprague, James M., and C. Ziegler, to Merck & Co., Inc. 2-(p-carboxybenzene-sulfonylamino)-4-methyl-5-sulfamyl thiazole. 2,994,702, 8–1–61, Cl. 260—306.8.
Sprague, James M., E. L. Engelhardt, and M. E. Christy, to Merck & Co., Inc. Derivatives of heterocyclic compounds. 2,996,503, 8–15–61, Cl. 260—247.1.
Sprague, James W.: *See*—
Quinan, James R., and Sprague. 3,011,882.
Sprague Meter Co., The: *See*—
St. Clair, Theodore A., and Greenhill. 2,976,726.
Whitworth, Fairchild. 2,968,314.
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Michels, John H., and Rutt. 3,005,953.
Sprague, Richard E.: *See*—
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Cagle, Toby T. 2,997,138.
Sprague, Robert M., to A. Alford. Parallel plate transmission line antenna. 2,973,514, 2–28–61, Cl. 343—727.
Sprague, Stanley R., and T. W. Havely, to Shell Oil Co. Power transmission mineral oil base fluid. 2,982,734, 5–2–61, Cl. 252—78.
Sprague, Theodore S., to The Babcock & Wilcox Co. Method and apparatus for a binary fluid power plant. 3,002,347, 10–3–61, Cl. 60—39.12.
Sprague, Theodore S., and M. B. Leland, to The Babcock & Wilcox Co. Heat transfer apparatus. 2,973,251, 2–28–61, Cl. 23—284.
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Wahlin, Fred W., and O'Brien. 2,999,648.
Sprecher, Rodney F. Flash attachment for starter's pistol. 2,977,580, 3–28–61, Cl. 340—321.
Spreckles Sugar Co.: *See*—
Armer, Austin A. 2,997,086.
McGinnis, Richard A. 2,969,298.
Spreeuwenberg, Pieter. Scaffolding coupling. 2,974,985, 3–14–61, Cl. 287—54.
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Kessler, Jacob C. F., and Spreeuwers. 2,996,466.
Sprehe, Wilbert: *See*—
Campbell, Donald A., and Sprehe. 2,998,023.
Spreitzer, Henry W., to The Warner & Swasey Co. Machine tool. 2,999,408, 9–12–61, Cl. 82—14.
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Sprick, Herbert, to The Auto-Soler Co. Apparatus for attaching top lifts to shoes. 3,007,170, 11–7–61, Cl. 1—19.
Spriggs, John D. Nylon lined bearings. 3,008,779, 11–14–61, Cl. 308—238.
Spriggs, Robert P., to Jersey Production Research Co. Locking assembly. 2,982,356, 5–2–61, Cl. 166—114.
Spring, Carl E., to Leitner Equipment Co. Cabinet structure. 3,001,844, 9–26–61, Cl. 312—111.
Springate, Maurice S., to Aviation Developments Ltd. Ball detent fastener with cam lever actuating means. 2,968,205, 1–17–61, Cl. 85—5.
Springer, Anton M., to Telefonban und Normalzeit G.m.b.H. Rotatable electromagnetic transducers. 2,977,423, 3–28–61, Cl. 179—100.2.
Springer, Anton M., to Telefonbau und Normalzeit G.m.b.H. Variable drive friction controlled recording system. 2,996,583, 8–15–61, Cl. 179—100.2.
Springer, Edward M., to Heyer Inc. Duplicating machine. 2,975,707, 3–21–61, Cl. 101—232.
Springer, Edward M., and F. K. Moore, to Heyer Inc. Coating means for duplicating machine. 2,996,039, 8–15–61, Cl. 118—260.
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Springer, Ira H., and R. P. Paige. Multiple glass structural unit and method of making the same. 3,008,196, 11–14–61, Cl. 20—56.5.
Springer, James C., to Emerson-Pryne Co. Recessed spotlight fixture. 2,989,619, 6–20–61, Cl. 240—78.
Springer, Warren P. Display device. 2,996,820, 8–22–61, Cl. 40—31.
Springer, William E., to Robbins & Myers, Inc. Balancing mechanism for sabre saws and the like. 2,970,484, 2–7–61, Cl. 74—50.
Springham, John, to Blackburn and General Aircraft Ltd. Hydraulic powered flying controls. 2,970,443, 2–7–61, Cl. 60—97.
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Sproule, Donald O., ½ to Glass Developments Ltd. Ultrasonic flaw detecting apparatus. 2,972,069, 2–14–61, Cl. 310—8.3.
Sproule, Lorne W.: *See*—
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Sproule, Lorne W., L. F. King, and W. C. Pattenden, to Esso Research and Engineering Co. Oxidation inhibition of oleaginous materials. 2,988,506, 6–13–61, Cl. 252—18.
Sproull, Reavis C., and C. C. Cosby Jr., to Philip Morris Inc. Package. 2,996,177, 8–15–61, Cl. 206—47.
Sproull, William C., Jr., to Minneapolis-Honeywell Regulator Co. Automatic reaction control system for aircraft. 3,010,681, 11–28–61, Cl. 244—77.
Sprouse, Lowell E.: *See*—
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Sprouse, Lowell E. to Vernco Corp. Spiral blower wheel. 2,980,990, 4–25–61, Cl. 29—156.8.
Sprouse, Verner E., to Vernco Corp. Snap filter frame. 2,981,367, 4–25–61, Cl. 183—44.
Sprouse, Verner E., to Vernco Corp. Bar interconnection. 3,000,658, 9–19–61, Cl. 287—103.
Sprouse, Verner E. and L. E. Filter frame. 2,973,831, 3–7–61, Cl. 183—51.
Sprouse, Verner E., and P. E. Bender, to Vernco Corp. Fan support bracket. 2,978,216, 4–4–61, Cl. 248—201.
Sprouse, Verner E., and E. D. Wiseman, to Vernco Corp. Float valve. 3,004,748, 10–17–61, Cl. 251—234.
Sprout, Waldron & Co., Inc.: *See*—
Fisher, Chester D. 2,985,965.
Green, Frank B. K. 2,969,113.
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Green, Frank B. K. 2,996,421.
Sprowl, John D.: *See*—
Fetzer, Maurice C., Sprowl, and Channon. 2,985,530.
Spuglos, Aristos G. Double lure fish bait. 2,986,837, 6–6–61, Cl. 43—42.15.
Spühl, Walter. Clamping device. 2,980,149, 4–18–61, Cl. 140—92.8.
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Kreidl, Werner H., and Vieli. 2,970,120.
Spunt, Shepard A. Devices, process and products indicating the free end of textile strand wound on a core. 2,993,258, 7–25–61, Cl. 28—1.
Spurck, Richard F., to Machlett Laboratories, Inc. Electron tube structures. 3,003,603, 10–10–61, Cl. 189—36.5.
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Huehnel, Alwin L. 3,014,359.
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King, James V. 2,990,725.
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Leitch, John D. 2,976,963.
Mekelburg, Earl F. 2,982,832.
Mierendorf, Robert C. 2,990,500.
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Schurr, Charles A. 2,991,396.
Stanback, Harris I., and Kingdon. 2,976,514.
Van Valkenburg, Hermon L., and Nielsen. 2,981,922.
Whiting, Harold E. 2,967,215.
Zeller, Josef J. 2,967,290.
Square Mfg. Co.: *See*—
Arnett, Leslie, and Freise. 2,978,143.
Squassoni, Gino F., and J. C. Plastaras, to Mergenthaler Linotype Co. Photographic reproducing machine. 3,007,369, 11–7–61, Cl. 88—24.
Squillier, Samuel. Rotary indexing table. 2,966,813, 1–3–61, Cl. 74—821.
Squire, Fred B. Mailbox sign. 2,976,633, 3–28–61, Cl. 40—125.
Squire, Gordon P. J., to Henry Squire & Sons Ltd. Hasps. 2,973,987, 3–7–61, Cl. 292—281.
Squire, Henry, & Sons Ltd.: *See*—
Squire, Gordon P. J. 2,973,987.
Squire, Herbert D., to Midwest Mfg. Co. Magnetic door latch. 2,970,857, 2–7–61, Cl. 292—251.5.
Squire, Herbert D., to Admiral Corp. Dual pivot freezer hinge. 3,001,225, 9–26–61, Cl. 16—166.
Squire, Herbert D., to Admiral Corp. Freezer chest hinge. 3,001,226, 9–26–61, Cl. 16—190.
Squires, Rathbun B., to Westinghouse Electric Corp. Load control system for plural generators. 2,985,765, 5–23–61, Cl. 307—57.
Sramek, Elmer D.: *See*—
Engleson, Harry E., and Sramek. 2,971,442.
Engleson, Harry E., and Sramek. 2,971,636.
Engleson, Harry E., and Sramek. 2,973,611.
Srofe, Jesse. Merchandising device. 3,003,620, 10–10–61, Cl. 206—45.14.
Sroka, Anthony W. Reel loader for photo film. 2,977,062, 3–28–61, Cl. 242—77.1.
Staadt, Harold E.: *See*—
Hradel, Joseph R., and Staadt. 2,992,912.
Staadt, Richard L., to International Harvester Co. Hydraulic fluid pressure operated device for clutches. 2,967,396. 1–10–61, Cl. 60—54.5.
Staaf, Harry R. Magnetic toy device. 2,979,861, 4–18–61. Cl. 46—239.
Staak, Louis E., to General Electric Co. Improved method of providing a bearing lubricating structure. 2,979,779, 4–18–61, Cl. 18—59.
Staar, Marcel J. H. Phonograph record adapter. 2,971,763, 2–14–61, Cl. 274—10.
Staar, Marcel J. H. Phonograph apparatus. 2,977,124, 3–28–61, Cl. 274—9.
Staar, Marcel J. H. Phonograph apparatus. 3,004,764, 10–17–61, Cl. 274—9.
Staats, Herbert W.: *See*—
Seemann, Hugo J., and Staats. 2,972,652.
Staats, William A., and W. J. Conery, to The F. E. Myers & Bro. Co. Ejector. 2,969,748. 1–31–61, Cl. 103—271.
Staatsbedrijf Artillerie-Inrichtingen: *See*—
Jungeling, Friedhelm G., De Boer, and Salters. 2,995,958.
Staatsbedrijf der Posterijen, Telegrafie en Telefonie: *See*—
Kosten, Leendert. 2,979,569.
Wagter, Sjirk. 2,973,721.
Stabenow, Georg, to LaMont Steam Generators, Inc. Thermal liquid heater. 2,994,308, 8–1–61, Cl. 122—406.
Stabil Internacional S.A.: *See*—
Parodi, Federico A. 2,974,456.
Stabilimenti Elettromeccanici Riuniti Ansaldo-San Giorgio Societa per Azioni: *See*—
Daniele, Sante. 2,997,209.
Stabler, Edward P., to General Electric Co. Magnetic logic circuits employing magnetic relay components. 2,988,649, 6–13–61, Cl. 307—88.
Stäbler, Heinz K.: *See*—
Nallinger, Friedrich K. H., and Stäbler. 2,996,136.
Stabnau, Roy E. Lawn mower cleaning device. 2,984,061, 5–16–61, Cl. 56—25.4.
Stabnau, Roy E. Lawn mower cleaning device. 2,992,524, 7–18–61, Cl. 56—25.4.
Stabryla, Leon. Fish handling and scaling clamps. 2,979,763, 4–18–61, Cl. 17—8.
Stacey, Frank J., and C. M. Schulz, to American Can Co. Can runway. 2,974,775, 3–14–61, Cl. 198—41.
Stacey, Maurice: *See*—
Patrick, Colin R., Stacey, and Tatlow. 3,000,976.
Stach, Kurt, J. D. Achelis, H.-G. Kroneberg, and H.-G. Kurbjuweit, to C. F. Boehringer & Soehne G.m.b.H. Pyrazolonyl carbinols, and process of making same. 3,004,984, 10–17–61, Cl. 260—310.
Stachon, Joseph A. Vacuum operated hair clipper. 2,980,994, 4–25–61, Cl. 30—133.
Stackbin Corp.: *See*—
Shaw, Richard A. 2,971,653.
Stackhouse, Wells F., to American Locker Co., Inc. Key. 3,008,322, 11–14–61, Cl. 70—395.
Stackler, Heinrich. Method and apparatus for utilizing waste heat in breweries. 3,001,467, 9–26–61, Cl. 99—278.
Stackpole Carbon Co.: *See*—
Arnold, Henry B. 2,981,698.
Atkinson, Richard M., and Shaler. 2,998,641.
Dressel, Henry M. 2,967,922.
Stacor Equipment Co.: *See*—
Puetz, Jordan F. 3,014,565.
Ward, Arthur L. 3,015,045.
Stacy, Donald G.: *See*—
Day, Donald F., Stacy, and Stuyvenberg. 2,997,337.
Stade, Bertil, and E. Hoglund, to Mercury Metal Products, Inc. Engine exhaust rain cap. 2,983,216, 5–9–61, Cl. 98—59.
Stade, Gerhard, to H. Lindner, G.m.b.H. Positioning, adjusting or measuring device for machines and for measuring apparatus. 2,987,953, 6–13–61, Cl. 88—14.
Stadig, Cornelis J.: *See*—
Van den Bergh, Barend, and Stadig. 2,993,333.
Stadium Ltd.: *See*—
Hefford, Charles G. 2,980,977.
Stadler, Charles J., to Odin Corp. Billet handling apparatus. 2,981,419, 4–25–61, Cl. 214—1.
Stadler, Robert H. Bait tank. 2,974,437, 3–14–61, Cl. 43—55.
Stadtlaender, Otto, to Beton-Spritz-Maschinen G.m.b.H. Device for conveying concrete, mortar or similar viscous materials. 3,001,828, 9–26–61, Cl. 302—14.
Staege, Werner, and R. Schenk, to Kugelfischer Georg Schäfer & Co. Fuel injection pumps. 3,007,464, 11–7–61, Cl. 123—140.
Staeger, Rudolf: *See*—
Günther, Hermann, and Staeger. 3,010,013.
Staehelin, Alexander: *See*—
Druey, Jean, Meier, and Staehelin. 3,004,972.
Druey, Jean, Meier, and Staehelin. 3,004,973.
Staehle, Henry C.: *See*—
Taylor, Erle W., and Staehle. 3,003,413.
Staeuble, Max, and K. Weber, to Ciba Ltd. Water-soluble dyestuffs. 2,989,540, 6–20–61, Cl. 260—328.
Staeuble, Max, and K. Weber, to Ciba Co., Inc. New water-soluble dyestuffs of the thioxanthone and acridone series. 2,993,045, 7–18–61, Cl. 260—249.
Stafford, Jay D., and C. O. Glasgow, to National Tank Co. Safety control system. 2,995,201, 8–8–61, Cl. 183—2.7.
Stafford, Jerome W.: *See*—
Baumbach, Harlan L., and Stafford. 3,011,388.
Stafford, John E.: *See*—
Tateishi, Arthur K., and Stafford. 2,983,795.
Stafford, John K. Fencing game. 2,998,974, 9–5–61, Cl. 273—85.
Stafford, Russell, and K. Damron, deceased (J. Damron, administratrix). Coal breaking, sizing and stone separating apparatus. 2,996,259, 8–15–61, Cl. 241—86.
Stafford, Thomas D. Method of insulating and protecting pipe. 2,972,968, 2–28–61, Cl. 111—5.
Stafford, William L.: *See*—
Greene, Kenneth F., and Stafford. 2,979,770.
Stafiej, Stanley F., to American Cyanamid Co. Preparation of substituted borazoles. 2,998,449, 8–29–61, Cl. 260—551.
Stageberg, Wilfred E.: *See*—
Conway, Walter P., Hoeppner, and Stageberg. 2,998,340.
Stageberg, Wilfred E., to Bemis Bro. Bag Co. Heat sealing apparatus. 2,979,113, 4–11–61, Cl. 154—42.
Stahel, Peter: *See*—
Wegmann, Jacques, and Stahel. 3,007,762.
Stahel, Walter, to Machine Tool Works Oerlikon, Administration Co. Damper for a spinning or twining spindle sleeve having a deformable damping element. 3,012,395, 12–12–61, Cl. 57—135.
Sta-Hi Corp.: *See*—
Baker, Craig C., Spitaleri, and Oderman. 2,966,847.
Stahl, Hans-Otmar: *See*—
Fischer, Ernst O., Hafner, and Stahl. 3,006,940.
Stahl, Leslie W., and E. Williams, Jr., to Dresser Industries, Inc. Cylinder head and liner hold-down assemblies. 3,008,429, 11–14–61, Cl. 103—216.
Stahl, Raymond A., to American Bosch Arma Corp. Acoustic modulator. 2,996,611, 8–15–61, Cl. 250—17.
Stahl, Richard. Support for cameras and the like. 2,985,415, 5–23–61, Cl. 248—122.
Stahl, Walter, to Westinghouse Electric Corp. Electric lamp. 2,976,441, 3–21–61, Cl. 313—33.
Stahl, William F. Method of forming plastic containers 2,989,785, 6–27–61, Cl. 18—59.
Stahl, William F., to Minneapolis-Honeywell Regulator Co. Transmitting apparatus. 2,989,870, 6–27–61, Cl. 74—98.
Stahl, William L.: *See*—
Barbeau, Raymond A., Stahl, and Young. 2,985,714.
Luhn, Hans P., Wilson, Stahl, Berg, and Dustman. 2,994,429.
Stahle, Martin. Fishpump. 2,997,345, 8–22–61, Cl. 302—14.
Stahler, Alvin and L. Aqueous ammonium hydroxide detergent composition. 3,001,947, 9–26–61, Cl. 252—152.
Stahler, Leonard: *See*—
Stahler, Alvin and L. 3,001,947.
Stahler, Leonard M., and J. D. Stone, to United States Borax & Chemical Corp. Composition and method for control of vegetation. 3,004,844, 10–17–61, Cl. 71—2.4.
Stahley, Jacob N. Athletic training apparatus. 2,967,709. 1–10–61, Cl. 273—55.
Stahlgruber, Otto Gruber & Co.: *See*—
Gruber, Wilhelm. 3,009,846.
Stahlhut, Leo G.: *See*—
Falk, Harry J., Garnett, and Stahlhut. 2,991,708.
Stahly, Daniel C.: *See*—
Bender, Frederick M., Mooney, and Stahly. 3,012,158.
Stahly, Eldon E., ¾ to O. W. Burke, Jr., and ¼ to Eastman Kodak Co. Rubber containing para-phenylene-diamine antiozonants. 3,009,899, 11–21–61, Cl. 260—45.9.
Stahmer, Bernhardt. Turbine principle helicopter-type blade for aircraft. 2,973,166, 2–28–61, Cl. 244—23.

Stahr, Donald A. Feed processing mechanism. 2,982,484, 5-2-61, Cl. 241—101.

Staiger, Kurt: *See*—
Kamm, Wunibald I. E., Staiger, and Krautter. 2,976,906.

Stainless Foundry & Engineering, Inc.: *See*—
Boyd, Walter K., Langston, and Johnson. 3,008,822.

Stainless Metal Products, Inc.: *See*—
Young, Ira B., Jr. 2,980,261.
Young, Ira B., Jr. 2,980,282.

Stair, Carlyle B. Trailer brake actuator. 2,966,965, 1-3-61, Cl. 188—112.

Staker, Donald D.: *See*—
Godfrey, Kenneth L., and Staker. 2,977,309.
Paris, William W., and Staker. 3,004,987.

Staker, Donald D., to Monsanto Chemical Co. Rust preventive compositions containing heterocyclic ketone condensates of acyclic succinic acids. 3,013,975, 12-19-61, Cl. 252—51.5.

Staker, Donald D., to Monsanto Chemical Co. Heterocyclic ketone condensates of acyclic succinic acids. 3,014,044, 12-19-61, Cl. 260—326.5.

Staknore Co., Inc.: *See*—
Geller, Roscoe G. 2,977,169.

Stalder, Arnold: *See*—
Geyer, Ulrich, Spillmann, Stalder, and Tagmann. 2,980,737.

Stalder, John J., to United States of America, Army. Force measurement system. 2,968,952, 1-24-61, Cl. 73—517.

Stalder, William L., to Phillips Petroleum Co. Solids recovery. 3,008,947, 11-14-61, Cl. 260—94.9.

Stalego, Charles J., to Owens-Corning Fiberglas Corp. Method and apparatus for producing fibers. 2,972,169, 2-21-61, Cl. 18—2.5.

Stalego, Charles J., to Owens-Corning Fiberglas Corp. Apparatus for forming fibers. 2,980,952, 4-25-61, Cl. 18—2.5.

Stalego, Charles J., to Owens-Corning Fiberglas Corp. Production of glass filaments. 2,987,773, 6-13-61, Cl. 18—47.3.

Stalego, Charles J., to Owens-Corning Fiberglas Corp. Method and means for centrifuging curly fibers. 2,998,620, 9-5-61, Cl. 18—2.6.

Stalego, Charles J., to Owens-Corning Fiberglas Corp. Method of forming fibers. 3,012,281, 12-12-61, Cl. 18—47.3.

Stalego, Charles J., and H. E. Leaman, to Owens-Corning Fiberglas Corp. Apparatus for producing fibers. 3,002,224, 10-3-61, Cl. 18—2.5.

Stalego, Joseph P., to Owens-Corning Fiberglas Corp. Bonded glass fiber structures and compositions employed in same. 2,990,307, 6-27-61, Cl. 154—43.

Stalego, Joseph P., to Owens-Corning Fiberglas Corp. High temperature inorganic binder and products produced with same. 3,002,857, 10-3-61, Cl. 117—126.

Stalego, Joseph P., to Owens-Corning Fiberglas Corp. Mineral fiber product. 3,011,929, 12-5-61, Cl. 154—44.

Staley, A. E., Mfg. Co.: *See*—
Allen, Ernest E., and Wack. 2,993,006.
Brown, Herman. 3,003,954.
Etheridge, Oliver R. 2,980,576.
Ferguson, Carl S. 2,973,885.
Fredrickson, Ralph E. C. 3,003,894.
Gill, Lowell O., and Wagoner. 3,014,901.
McDonald, John W. 2,994,615.
Miller, James L. 2,999,761.
Smith, Clifford E., and Tuschhoff. 3,004,855.
Wolff, Hans. Re. 24,919.
Wolff, Hans. 2,971,012.

Stalker Corp., The: *See*—
Clarke, Daniel J., and Oetliker. 2,995,338.
Stalker, Edward A. 2,976,011.
Stalker, Edward A. 2,986,375.
Stalker, Edward A. 2,991,929.
Stalker, Edward A. 2,992,810.
Stalker, Edward A. 3,002,265.
Stalker, Edward A., and Clarke. 3,008,509.

Stalker, Edward A. Rotary fluid machines with damped blades. 2,969,952, 1-31-61, Cl. 253—39.

Stalker, Edward A., to The Stalker Corp. Fabricated bladed compressor wheels. 2,976,011, 3-21-61, Cl. 253—39.

Stalker, Edward A., to The Stalker Corp. Bladed wheels for compressors, turbines and the like. 2,986,375, 5-30-61, Cl. 253—39.

Stalker, Edward A., to The Stalker Corp. Supersonic compressors. 2,991,929, 7-11-61, Cl. 230—120.

Stalker, Edward A., to The Stalker Corp. Rotor construction and fabrication. 2,992,810, 7-18-61, Cl. 253—39.

Stalker, Edward A., to Stalker Corp. Fabrication of blades for compressors and the like. 3,002,265, 10-3-61, Cl. 29—156.8.

Stalker, Edward A. Bladed rotor and the like for axial flow fluid machines. 3,006,620, 10-31-61, Cl. 253—77.

Stalker, Edward A. Shrouded rotors for compressors, turbines and the like. 3,011,759, 12-5-61, Cl. 253—39.

Stalker, Edward A. Bladed rotor for compressors, turbines, and the like. 3,012,754, 12-12-61, Cl. 253—77.

Stalker, Edward A. Turbine rotor. 3,014,691, 12-26-61, Cl. 253—39.

Stalker, Edward A., and D. J. Clarke, to Stalker Corp. Machine for making blade envelopes. 3,008,509, 11-14-61, Cl. 153—48.

Stalkup, Alfred R. Reversible ratchet wrench. 2,972,919, 2-28-61, Cl. 81—63.

Stall, Cash G., 1/10 to Gadget-of-the-Month Club, Inc. Educational peg receiving toy. 3,008,246, 11-14-61, Cl. 35—22.

Stall, Orville T. Machine for manufacturing sinuous drapery pleater. 2,991,822, 7-11-61, Cl. 153—45.

Stallabrass, James R.: *See*—
Robertson, Ernest O., Stallabrass, and Bailey. 2,980,896.

Stallard, John A., and T. P. Davies, to Chicopee Mfg. Corp. Methods of bonding fibrous structures. 3,014,830, 12-26-61, Cl. 156—36.

Stallard, Langdon B., to International Business Machines Corp. Matrix memory. 2,975,406, 3-14-61, Cl. 340—174.

Stallard, Ralph M.: *See*—
Hsu, Ming C., and Stallard. 2,982,456.
Hsu, Ming C., and Stallard. 2,991,216.

Stalley, John C.: *See*—
Holmes, Peter D., and Stalley. 2,987,560.
Holmes, Peter D., Stalley, and Moy. 2,972,644.

Stalley, John C., J. N. Haresnape, and R. Turner, to The British Petroleum Co. Ltd. Catalyst. 2,998,393, 8-29-61, Cl. 252—465.

Stallwood, Leslie: *See*—
Clements, John A., and Stallwood. 2,978,056.

Stalnecker, Frederick I., to Cities Service Refining Corp. Safety shut-off device. 3,007,480, 11-7-61, Cl. 137—102.

Stamatoff, Gelu S., to E. I. du Pont de Nemours and Co. Bisphenol polyoxalates. 2,989,501, 6-20-61, Cl. 260—47.

Stambaugh, Alberta H.: *See*—
Stambaugh, Lloyd A. 2,977,710.

Stambaugh, David J.: *See*—
Boardman, Lester R., and Stambaugh. 2,998,663.

Stambaugh, Lloyd A., 1/2 to A. H. Stambaugh. Bait harnesses. 2,977,710, 4-4-61, Cl. 43—44.2.

Stambera, Adolf, to Firma Fr. Hesser, Maschinenfabrik-Aktiengesellschaft. Apparatus for feeding rod-shaped articles to automatic scales. 2,976,006, 3-21-61, Cl. 249—15.

Stamberger, Paul, and W. W. Fuchs, deceased (F. W. Fuchs, sole heir and personal representative), to Crusader Chemical Co., Inc. Composition comprising the reaction product of a quaternary ammonium compound and a polymer of ethylenically unsaturated monomer. 2,984,639, 5-16-61, Cl. 260—33.4.

Stamberger, Paul, and W. M. Fuchs, deceased (F. W. Fuchs, sole heir and sole personal representative), to Crusader Chemical Co., Inc. Method of producing foamed rubbers. 3,006,868, 10-31-61, Cl. 260—2.5.

Stambul, Joseph, deceased; R. Stambul, administratrix. Controlling the blood cholesterol level by administration of diiodotyrosine polypeptide. 2,980,585, 4-18-61, Cl. 167—65.

Stambul, Rae: *See*—
Stambul, Joseph. 2,980,585.

Stamford Rubber Supply Co.: *See*—
Fontein, Freerk J. 2,982,411.
Posnansky, Karl W. 2,986,540.

Stamicarbon N.V.: *See*—
Bos, Harmannus. 2,996,529.
Bos, Jan A., and Mulder. 2,975,209.
De Koning, Jacob. 2,988,200.
De Koning, Jan. 3,007,574.
De Vooys, Gerard J., and Fontein. 2,978,278.
Fontein, Freerk J. 2,974,068.
Fontein, Freerk J. 2,976,996.
Fontein, Freerk J. 2,996,182.
Haringhuizen, Pieter J. 2,975,605.
Hendriks, Petrus F. A. M. 3,009,687.
Koopal, Sieds. 3,002,734.
Krijgsman, Centinus. 2,972,408.
Leeman, Jan N. J. 2,984,355.
Leeman, Jan N. J. 2,998,882.
Leeman, Jan N. J. 3,007,573.
Muytjens, Mathias J. G., and Simon. 2,993,889.
Ottenheym, Johannes H., and Garritsen. 3,000,881.
Van Berkel, Wilhelm P. J. 2,988,581.
Van Weele, Cornelis. 3,011,723.

Stamm, Heinrich, to ETA A.G. Ebauches-Fabrik. Slipping clutch device. 2,995,019, 8-8-61, Cl. 64—30.

Stamm, Robert F., and P. A. Button, to American Cyanamid Co. Light beam weakener. 2,999,414, 9-12-61, Cl. 88—1.

Stamm, Robert H.: *See*—
Stulen, Frank L., and Stamm. 3,002,567.

Stamm, Russell D., to General Instrument Corp. Pushbutton tuner. 2,996,925, 8-22-61, Cl. 74—10.33.

Stammbach, Walter: *See*—
Frick, Wilhelm E., Schetty, and Stammbach. 3,011,942.

Stamp, Hugo O., deceased; R. J. Stamp, and Marine National Exchange Bank of Milwaukee, executors. Golf club carrier. 2,985,462, 5-23-61, Cl. 280—47.19.

Stamp, Robert J.: *See*—
Stamp, Hugo O. 2,985,462.

Stampa, Guido B., and A. G. Farnham, to Union Carbide Corp. Catalyst of ortho vanadium ester and organo-aluminum compound and ethylene polymerization thereby. 3,008,948, 11-14-61, Cl. 260—94.9.

Stamper, Winford D.: *See*—
Ruse, Raymond L., and Stamper. 3,008,303.

Stampler, Charles W.: *See*—
Thibault, George E. 2,981,458.

Stamps, George M., to Hogan Faximile Corp. Continuous facsimile scanning apparatus. 2,967,907, 1-10-61, Cl. 178—7.6.

Stamps, George M., to Faximile Inc. Continuous scanner with warped mirror. 2,976,361, 3-21-61, Cl. 178—7.6.

Stamps, George M., to Faximile Inc. Continuous scanner. 2,976,362, 3-21-61, Cl. 178—7.6.
Stamps, George M., to Hogan Faximile Corp. Facsimile scanning means. 3,011,020, 11-28-61, Cl. 178—7.6.
Stan, Henry: *See*—
Pearson, Charles, Jr., and Stan. 3,011,783.
Stanaway, Robert E., to Consolidated Electrodynamics Corp. Magnetic switch. 2,999,914, 9-12-61, Cl. 200—87.
Stanback, Harris I., and R. H. Kingdon, to Square D Co. Terminal connector. 2,976,514, 3-21-61, Cl. 339—272.
Stanbro, Forest M. and W. K. Distributor head. 2,990,459, 6-27-61, Cl. 200—27.
Stanbro, Wilbur K.: *See*—
Stanbro, Forest M. and W. K. 2,990,459.
Stancel, Albert L., Jr., to West Point Mfg. Co. Hemming and cutting attachment for sewing machines. 3,006,300, 10-31-61, Cl. 112—252.
Standal, Elizabeth V.: *See*—
Standal, Stanley. 2,972,364.
Standal, George M. Chipper knife grinder. 2,976,649, 3-28-61, Cl. 51—55.
Standal, Stanley, deceased; E. V. Standal, executrix. Saw teeth. 2,972,364, 2-21-61, Cl. 143—141.
Standard Box Spring Co.: *See*—
Ciampa, Joseph F. 2,968,052.
Standard Brands Inc.: *See*—
Reich, Ismar M. 2,998,316.
Standard Car Truck Co.: *See*—
Barber, Franklin D. 3,003,832.
Williams, Ray C. 3,005,629.
Standard Coil Products Co., Inc.: *See*—
Eland, Robert C. A. 2,968,742.
Feigl, Erich F. 2,970,762.
Frey, Cleon F. 2,967,238.
Thias, Edwin P. 2,975,276.
Standard Container, Inc.: *See*—
Commarato, Joseph. 2,996,258.
Standard Dayton Corp.: *See*—
Martin, Edwin R. 2,979,648.
Standard Duplicating Machines Corp.: *See*—
Ajam, Mustafa J. 3,006,636.
Dann, Charles W. 2,987,005.
Standard Electric Time Co.: *See*—
Feroleto, Dominick. 3,004,449.
Standard Electrical Products Co.: *See*—
Ross, Albert, and Goffstein. 2,993,262.
Standard Gage Co., Inc.: *See*—
Boat, Earl M. 2,993,280.
Croshier, Walter J. 2,969,597.
Standard Machine & Mfg. Co.: *See*—
Deutsch, Carl J. 2,973,718.
Standard Mfg. Co.: *See*—
Hennen, Joseph W. 3,009,473.
Standard Mirror Co., Inc.: *See*—
Bertell, Paul. 2,989,896.
Bertell, Paul, and Knowlton. 2,993,410.
Bertell, Paul, and Meade. 2,989,897.
Meade, Lynn C., and Gray. 3,005,385.
Standard Motor Co. Ltd., The: *See*—
Hine, James S. 3,012,688.
Standard Motor Products, Inc.: *See*—
Adler, Fred. 2,979,577.
Standard Oil Co., The: *See*—
Belden, Sarah H. 2,993,765.
Burhans, Ralph W. 3,005,911.
Darling, Samuel M., and Liao. 2,989,467.
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Darling, Samuel M., and Liao. 2,989,470.
De Gray, Richard J. 2,987,385.
Dravnieks, Andrew. 2,994,821.
Hughes, Everett C. 2,987,384.
Idol, James D., Jr., Tiffan, and Beals. 3,005,517.
Lutz, Irvin H. 3,005,770.
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Beretvas, Helen S., and Barnes. 3,007,911.
Bertolacini, Ralph J. 2,977,380.
Bertolacini, Ralph J. 2,983,690.
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Bertolacini, Ralph J., and Seelig. 2,995,510.
Binning, Robert C. 2,981,680.
Binning, Robert C. 3,007,851.
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Binning, Robert C., Jennings, and Martin. 2,985,588.
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Birkness, Harald A. 2,993,366.
Bland, Julius. 3,013,528.
Borg, Arthur C., and Leet. 2,980,614.
Bowman, Norman J. 3,012,867.
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Brennan, Harry M., and Field. 2,971,928.
Broadhead, Ronald L. 2,985,602.
Brown, Russell H., and Hamer. 3,007,782.
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Bussert, Jack F. 3,012,932.
Cafcas, Thomas H., and Lindert. 2,968,620.
Carmody, Don R., and Zletz. 2,998,699.
Carmody, Don R., and Zletz. 3,001,361.
Dravnieks, Andrew. 3,008,085.
Ebner, Herman G. 3,007,784.
Eisenhauer, Roy J., and Zajac. 3,000,820.
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Fields, Ellis K. 2,971,909.
Fields, Ellis K. 2,979,531.
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Fotis, Peter, Jr. 2,984,691.
Friedlander, Herbert N., and Baldwin. 2,970,169.
Gentry, Robert H., Jr., and Micheletti. 2,986,925.
Goodmann, Eugene P., Gordon, and Thompson. 3,011,970.
Gordon, Leon B. 2,981,726.
Gordon, Moses, and Kerns. 2,974,095.
Grande, Philip, Jr., and Hamilton. 2,979,546.
Haxton, Manford R., Lovell, and Kitchens. 2,989,462.
Herzel, Rudy, and Campion. 2,972,641.
Higley, Willard S. 2,968,607.
Horner, John F., and Wright. 2,980,515.
Jacobs, Robert B., and Lo Giurato. 2,971,370.
Kapff, Sixt F. 2,980,513.
Kapff, Sixt F., and Jacobs. 2,967,425.
Kapff, Sixt F., Lo Giurato, and Jacobs. 2,967,422.
Kawahara, Fred K. 2,972,526.
Kawahara, Frederick K. 3,006,741.
Kennedy, Don E. 2,976,678.
Kennel, William E., Field, Spiller, and Weisemann. 2,973,350.
Kenton, Joseph R. 2,979,520.
Kirkland, Earl V., and Brinkley. 3,002,897.
Klass, Donald L., Sieker, and Watson. 3,000,916.
Knight, Harmon M., and Kelly. 2,981,770.
Knight, Harmon M., and Kelly. 2,986,589.
Knight, Harmon M., and Kelly. 3,012,859.
Knobloch, James O., and Liao. 2,996,520.
Kuentzel, Ward E. 2,967,639.
Lamkin, John C. 2,972,888.
Lee, Robert J. 2,984,623.
Leisey, Frank A. 2,967,946.
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Levy, Stephen D., McCaulay, and Mikovsky. 3,009,004.
Lewis, Lloyd G. 2,977,474.
Liao, Ilsiang P., and Towle. 2,971,011.
Linsk, Jack. 2,973,256.
Little, Randel Q., Jr., and Bussert. 2,976,207.
MacFie, Kenneth W., and Mosher. 2,988,571.
Magness, James F. 2,985,696.
Malec, Robert E. 2,991,162.
Marti, Paul O., Jr. 3,007,773.
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May, Paul D. 3,014,923.
McCaulay, David A. 3,006,977.
McHenry, Keith W., Seelig, Brennan, and Carl. 2,998,380.
Meyer, Delbert H. 2,976,030.
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Meyer, Delbert H. 3,010,991.
Micheletti, Steno F. 3,002,387.
Mosher, Robert A., and Marti. 3,012,506.
Mosher, Robert A., and Stanley. 2,999,462.
Mosher, Robert A., and Stanley. 3,012,507.
Myerholtz, Ralph W., Jr., and De Young. 3,004,014.
Nevitt, Thomas D. 2,997,433.
Offutt, Elmer B. 2,972,889.
Pilar, Frank L. 2,967,176.
Plemich, John J. 3,006,849.
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Ridgway, John A., Jr., and Curran. 3,000,809.
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Sabol, Albert R. 2,976,239.
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Sabol, Albert R., Blaha, and Karll. 3,002,925.
Schaap, Luke A. 2,995,610.
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Seanley, Clyde S., and Fields. 2,983,733.
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Swakon, Edward A. 2,970,059.
Twaddle, Warren W. 2,992,679.
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Van Strien, Richard E., and Bolton. 2,985,603.
Wadsworth, Francis T., and Adams. 2,997,371.
Webb, Glenn M. 3,011,968.
Weisemann, Gert H. 3,007,973.
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Clift, Theriis L. 2,975,998.
Darling, Samuel M. 2,968,623.
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Darling, Samuel M., and Liao. 2,979,459.
Denny, Marlene, and Liao. 3,013,046.
Emrick, Donald D. 3,009,791.
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Farrell Robert E., and Pack. 2,972,576.
Fay, Philip S. 3,013,502.
Fay, Philip S., and Nichols. 2,967,358.
Foreman, Robert W., Szabo, and Veatch. 2,981,667.
Grimes, William W., Mills, and Wishart. 2,973,645.
Kircher, Nevin W. 3,008,333.
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McCowen, Howell H., and Kircher. 2,978,300.
Milberger, Ernest C., and Darling. 2,968,625.
Snyder, Robert W., and De Gray. 2,970,104.
Stine, Harrison M., and Hughes. 2,995,516.
Veatch, Franklin, Alford, and Croft. 2,978,339.
Veatch, Franklin, Alford, and Croft. 2,978,340.
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Cottrill, Charles E. 2,969,904.
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Standig, Bernard. Collapsible barbecue. 2,998,002, 8–29–61, Cl. 126—25.

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Standing, Walter, to Electrothermal Engineering Ltd. Apparatus for determining the melting point of a substance. 3,013,428, 12–19–61, Cl. 73—17.

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Nigrelli, Biagio J., Standley, Wittmann, and Pederson. 2,990,952.

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Stanford, Clement L., and H. T. Ortmann, to Electriliving Corp. Baseboard heater assembly. 3,008,030, 11–7–61, Cl. 219—31.

Stanford, Eric L. C., deceased, by M. T. Stanford, executrix. Boat beacher and launcher. 2,976,694, 3–28–61, Cl. 61—67.

Stanford, George W.: *See*—
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Stange, Hugo, A. F. Ferris, and F. E. Gould, to Food Machinery and Chemical Corp. Process of producing L-lysine. 2,995,601, 8–8–61, Cl. 260—534.

Stanhope, Russell C., to Micromatic Hone Corp. Spherical grinding machine and method. 2,982,057, 5–2–61, Cl. 51—73.

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Stanko, George L., to Abbott Laboratories. Stabilized dextran composition. 3,006,814, 10–31–61, Cl. 167—78.

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Stanley, George C. Flow stabilizer for oil wells. 3,013,583, 12–19–61, Cl. 138—43.

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Stanley, Herbert M., and M. M. Wirth, to British Hydrocarbon Chemicals Ltd. Production of conjugated diolefines. 2,977,396, 3–28–61, Cl. 260—681.

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Stanley, Richard B., and P. M. Woessner, to The Kartridg Pak Co. Pressure filler head of pressure-dispensed products and method. 3,013,591, 12–19–61, Cl. 141—3.

Stanley, Richard C., to Stanley-Bledsoe Corp. Pipe cleaning apparatus. 3,004,278, 10–17–61, Cl. 15—319.

Stanley, Richard C. Pipe aligning and supporting apparatus. 3,008,439, 11–14–61, Cl. 113—102.

Stanley, Richard C. Television controlled internal pipe welding apparatus. 3,009,049, 11–14–61, Cl. 219—60.

Stanley, Richard C., to Midwestern Welding Co. Internal pipe welding apparatus. 3,009,048, 11–14–61, Cl. 219—60.

Stanley, Robert K., and I. Schwartz Crimping. 2,972,798, 2–28–61, Cl. 28—72.

Stanley, Robert M., to Stanley Aviation Corp. Snap-ring coupling for telescoping tubular elements. 3,006,666, 10–31–61, Cl. 285—320.

Stanley, Stanley J., to Stanley Supply Co., Inc. Package of surgical gloves. 3,005,545, 10–17–61, Cl. 206—63.2.

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Stanley, William G., to Standard Oil Co. Igniter for rocket propellant. 3,000,311, 9–19–61, Cl. 102—70.

Stanley, William G., to Standard Oil Co. Shaped ammonium nitrate propellant grain. 3,012,508, 12–12–61, Cl. 102—98.

Stanley, William G., and P. O. Marti, Jr., to Standard Oil Co. Ammonium nitrate gas-generating compositions. 2,988,435, 6–13–61, Cl. 52—.5.

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Stansbury, Harry A., Jr., and D. T. Manning, to Union Carbide Corp. Novel products and methods for preparing acetals of alpha-keto aldehydes. 2,995,573, 8–8–61, Cl. 260—340.9.
Stansbury, Harry A., Jr., and H. R. Guest, to Union Carbide Corp. Polymers containing sulfide and spirobi (meta-dioxane) groups. 2,998,427, 8–29–61, Cl. 260—340.7.
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Bottoms, Paul H., Stansbury, and Clapp. 3,004,295.
Stansbury, Roy E., to Phillips Petroleum Co. Combatting wood-boring insects with insecticides dispersed in isoparafinic hydrocarbons. 3,005,751, 10–24–61, Cl. 167—38.6.
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Stanton, Francis P., to Bristol Siddeley Engines Ltd. Means for preventing the accumulation of ice or other solids in ducts. 2,978,169, 4–4–61, Cl. 230—132.
Stanton, George T., to Dictaphone Corp. Method and apparatus for synchronizing transducer head scanning motion in sound recording and reproducing machines. 2,990,184, 6–27–61, Cl. 274—11.
Stanton, George W., to The Dow Chemical Co. Process for wet spinning and washing synthetic fibers. 2,983,571, 5–9–61, Cl. 18—54.
Stanton, George W. Railroad track ballast dressing machine. 3,007,264, 11–7–61, Cl. 37—104.
Stanton, George W., and A. Armen, to The Dow Chemical Co. Modified acrylonitrile polymer fibers wtih increased shrinkability and dyeability. 2,970,884, 2–7–61, Cl. 18—54.
Stanton, George W., and T. G. Traylor, to The Dow Chemical Co. Compositions comprising graft copolymers of certain sulfonated acrylate and acryloyl taurine type monomers on acrylonitrile polymer substrates. 3,008,918, 11–14–61, Cl. 260—45.5.
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Stanton, Haskell M., to Mohasco Industries, Inc. Wire slide for use in looms. 2,993,515, 7–25–61, Cl. 139—40.
Stanton, James W., to General Electric Co. Temperature stabilized transistor amplifier. 3,009,113, 11–14–61, Cl. 330—19.
Stanton, Robert J., K. Schmidt, and W. C. Rudd, to Magnetic Heating Corp. Method of welding metal elements. 2,992,319, 7–11–61, Cl. 219—67.
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Stanton, Walter O. Phonograph pick-up arm. 2,993,698, 7–25–61, Cl. 274—23.
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Stanwick, Tad, W. Hamilton, and J. E. Hannigan, to Cleveland Pneumatic Industries, Inc. Vehicle load shock absorbing unit. 2,973,174, 2–28–61, Cl. 248—119.
Stanzel, Victor. Applicator for liquids. 2,975,467, 3–21–61, Cl. 15—611.
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Staples, Crawford E.: *See*—
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Staples, Crawford E., to Westinghouse Air Brake Co. Automatic control system for railway car classification yards. 2,976,406, 3–21–61, Cl. 246—182.
Staples, Crawford E., to Westinghouse Air Brake Co. Railway track occupancy detectors. 3,004,149, 10–10–61, Cl. 246—29.
Staples, Crawford E., to Westinghouse Air Brake Co. Sensitive shunting circuits. 3,011,050, 11–28–61, Cl. 246—34.
Staples, Crawford E., and T. E. Hopkins, to Westinghouse Air Brake Co. Station transfer circuits for remote control systems. 2,981,930, 4–25–61, Cl. 340—163.
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Kingsley, David G. 2,999,616.
Kingsley, David G., and Hayward. 2,999,615.
Kingsley, David G., Rice, and Hayward. 2,999,614.
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Stapp, Henry E. Mechanism for switching, classifying and segregating railroad cars. 2,976,817, 3–28–61, Cl. 104—26.
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Starbuck, Herman S., and H. E. Liebelt, to S & C Mfg. Co. Air washer. 3,006,436, 10–31–61, Cl. 183—22.
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Phillips, Benjamin, and Starcher. 2,977,374.
Phillips, Benjamin, Starcher, and Heywood. 2,999,868.
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Phillips, Benjamin, Tinsley, and Starcher. 3,000,878.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,879.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,880.
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Starcher, Paul S., and S. W. Tinsley, to Union Carbide Corp. Epoxides and method of preparing the same. 2,999,866, 9–12–61, Cl. 260—348.
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Stark, Howard J., and C. E. Miller. Laminated bondings member. 3,001,213, 9–26–61, Cl. 9—11.
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Stark, John, Jr., and W. E. Lavender, to Radio Corp. of America. Color television receiver fine tuning indication. 2,990,447, 6–27–61, Cl. 178—5.4.
Stark, Louis E., to Union Carbide Corp. Polyethylene binder for flux-coated welding rod. 3,004,872, 10–17–61, Cl. 117—202.
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Stark, Virgil. Apparatus and wearing apparel for body refrigeration. 3,000,190, 9–19–61, Cl: 62—259.
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Starp, Franz W. R., to Alfred Gauthier, G.m.b.H. Photographic camera. 2,985,082, 5–23–61, Cl. 95—10.
Starr, Arthur T., to International Standard Electric Corp. Semi-conductor devices. 3,013,192, 12–12–61, Cl. 317—235.
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Tilles, Harry. 3,009,940.
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Steele, Francis E. Method relating to the production of oil. 2,988,640, 6–13–61, Cl. 250—83.3.
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Steele, John C. Static grounding device for vehicles. 2,985,799, 5–23–61, Cl. 317—2.
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Steen, John B., to American Enka Corp. Method of threading drawtwister. 2,976,671, 3-28-61, Cl. 57—157.
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Stefan, Nicholas, to Anchor Post Products, Inc. Universal angle coupling. 2,976,021, 3-21-61, Cl. 256—65.
Stefano, Anthony J. Universal world time and star map. 3,003,258, 10-10-61, Cl. 35—44.
Stefano, Nicholas M. Garment support. 2,998,172, 8-29-61, Cl. 223—88.
Stefano, Nicholas M., to Fairchild Stratos Corp. Helicopter. 3,002,711, 10-3-61, Cl. 244—17.23.
Stefanov, Boris, to Kauke & Co., Inc. Voltage controlled frequency circuit. 3,010,078, 11-21-61, Cl. 332—15.
Stefanovic, Milutin: *See*—
Muller, Georges, and Stefanovic. 2,980,714.
Muller, Georges, and Stefanovic. 3,007,951.
Stefanski, Matthew F.: *See*—
Hutt, Stanley D., Smyth, and Stefanski. 2,968,687.
Steffel, Lu Verne G. Wiener holder. 2,969,012, 1-24-61, Cl. 99—419.
Steffensen, Percy L., to Bethlehem Steel Co. Pellet furnace. 3,003,756, 10-10-61, Cl. 263—29.
Steffes, Milton J., to Van Norman Industries, Inc. Hollow drill. 2,969,122, 1-24-61, Cl. 175—394.
Steffinich, Rudolph A. Bed sheet. 3,013,283, 12-19-61, Cl. 5—334.
Stegelman, Albert F., to Phillips Petroleum Co. Liquid-solid bipropellant rocket. 2,984,973, 5-23-61, Cl. 60—35.6.
Stegeman, Wilson. Fishermen's tool. 3,000,127, 9-19-61, Cl. 43—1.
Stegemann, Hans, and E.-G. Neumann, to Deutsche Akademie der Wissenschaften zu Berlin. Automatic fraction collector. 2,967,633, 1-10-61, Cl. 214—309.
Stegemeier, Richard J.: *See*—
Josendal, Virgil A., and Stegemeier. 2,986,639.
Steglich, Herbert H., to Zenith Radio Corp. Portable radio. 2,987,616, 6-6-61, Cl. 250—14.
Steglich, Kurt, to Askania-Werke A.G. Cassegrain mirror lens objective. 2,968,220, 1-17-61, Cl. 88—57.
Stehling, Kurt R.: *See*—
Moore, Wendell F., and Stehling. 3,008,672.
Stehman, Carlyle J.: *See*—
Johnson, Clarence L., and Stehman. 2,994,717.
Steibel, James P., to The Dumore Co. Control means for fluid actuated work cylinders. 3,005,444, 10-24-61, Cl. 121—45.
Steichele, Elisabeth: *See*—
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Steichele, Joseph, to Firma SKF Kugellagerfabriken G.m.b.H. Idler pulleys for belt drives. 2,979,368, 4-11-61, Cl. 308—190.
Steidinger, Donald J.: *See*—
Stratton, Edwin J. D., and Steidinger. 2,988,969.
Steidle, Wallace E. Rotary joint. 2,983,528, 5-9-61, Cl. 285—269.
Steidler, Walter. Internal combustion engines. 2,972,987, 2-28-61, Cl. 123—32.
Steierman, Bernard L., to Owens-Illinois Glass Co. Apparatus for shaping cylindrical stock. 2,981,975, 5-2-61, Cl. 18—19.
Steierman, Bernard L., to Owens-Illinois Glass Co. Container for radiation sterilized products. 3,004,679, 10-17-61, Cl. 215—1.
Steiger, Benjamin F., and M. Yarmovsky, to Tung-Sol Electric Inc. Ballast tube. 2,999,216, 9-5-61, Cl. 338—20.
Steiger, Leonard W., to Stephan Chemical Co. Glaze and enamel compositions including lithium fluosilicate and method of making them. 2,995,468, 8-8-61, Cl. 117—70.
Steiger, Norbert: *See*—
Keller, Oscar, and Steiger. 2,970,152.
Steigerwald, John R., to The Goodyear Tire & Rubber Co. Indicator means for use with skid warning systems. 3,009,132, 11-14-61, Cl. 340—53.
Steigerwald, John R., to The Goodyear Tire & Rubber Co. Indicator means for brakes. 3,009,142, 11-14-61, Cl. 340—407.
Steigerwald, Karl H., to C. Zeiss. Means for controlling crystal structure of materials. 2,968,723, 1-17-61, Cl. 250—49.5.
Steigerwald, Karl H., to C. Zeiss. Method and means for welding using a controlled beam of charged particles. 2,987,610, 6-6-61, Cl. 219—117.
Steigerwald, Karl H., to C. Zeiss. Method and device for working materials by means of a beam of charged particles. 2,989,614, 6-20-61, Cl. 219—50.
Steigerwald, Karl H., to C. Zeiss. Electron beam means for initiating chemical reactions. 3,009,050, 11-14-61, Cl. 219—69.
Steigerwalt, Oliver L., to United States of America, Air Force. Radiant energy signalling system. 2,968,036, 1-10-61, Cl. 343—225.
Steigmann, Ernst A., to General Foods Corp. Process for preparing photographic emulsions. 3,007,796, 11-7-61, Cl. 96—94.
Steimel, Karl, to Licentia Patent-Verwaltungs-G.m.b.H. Gas centrifuge for isotope separation. 3,004,158, 10-10-61, Cl. 250—41.9.
Stein, Curvin H.: *See*—
Gurd, George W. 3,003,009.
Stein, Dorothea A.: *See*—
Gurd, George W., and Stein. 3,003,009.
Stein, Elmer L., to Eye-Beam Displays, Inc. Telescopically extensible pole. 2,967,592, 1-10-61, Cl. 189—26.
Stein, Frank S., and E. W. Torok, to Westinghouse Electric Corp. High current NPNP switch. 2,980,832, 4-18-61, Cl. 317—235.
Stein, Fred, Laboratories, Inc.: *See*—
Stein, Frederick W. 2,987,227.
Stein, Frederick W., to Fred Stein Laboratories, Inc. Test cell release loading device. 2,987,227, 6-6-61, Cl. 222—502.
Stein, George A., to A. O. Smith Corp. Method of applying coating material to articles. 2,987,419, 6-6-61, Cl. 117—93.
Stein, George E.: *See*—
Singleton, Ogle R., Jr., and Stein. 2,987,814.
Stein, Gerhard M.: *See*—
Radish, Charles J., and Stein. 2,982,439.
Stein, Hall, & Co., Inc.: *See*—
Robbins, Albert R. 2,996,462.
Stein, Herbert A. Method and apparatus for moving cementitious compositions. 3,011,414, 12-5-61, Cl. 94—44.
Stein, Jack, to Art Industries, Inc. Table place mat. 2,999,332, 9-12-61, Cl. 45—68.4.
Stein, Jack C. Machine for removing the ballast from beneath railway track sleepers. 2,974,429, 3-14-61, Cl. 37—104.
Stein, Jesse. Articles for puncturing small apertures in cigarettes and the like. 2,983,044, 5-9-61, Cl. 30—123.
Stein, Joseph P. Self-closing concealed hinge. 3,004,280, 10-17-61, Cl. 16—54.
Stein, Leonhard, and E. Lindner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Basically substituted diphenyl-carbinol esters and a process for preparing them. 2,989,533, 6-20-61, Cl. 260—294.3.
Stein, Robert E., to General Steel Industries, Inc. Railway vehicle truck. 3,013,507, 12-19-61, Cl. 105—182.
Stein, Sam. Method of making disposable litter bags. 3,003,402, 10-10-61, Cl. 93—35.
Stein, Werner: *See*—
Hartmann, Helmut, and Stein. 2,972,636.
Stein, Werner, and W. Offermann, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Composition of matter comprising a high molecular weight polymer and an acetal or ketal of a hydroxycarboxylic acid. 2,985,536, 5-23-61, Cl. 106—176.
Stein, William B. Milling cutter with adjustable radial rake. 2,972,802, 2-28-61, Cl. 29—105.
Steinacker, Peter, to Westfalia Separator AG. Centrifugal separator having lining of elastomer material. 3,012,710, 12-12-61, Cl. 233—41.
Steinbach, Heinz and R. Scheidig, to International Standard Electric Corp. Electromagnetic impulse counter. 2,980,891, 4-18-61, Cl. 340—168.
Steinbach, Heinz, and J. Bernutz, to International Standard Electric Corp. Multiswitch of the crossbar type. 3,001,024, 9-19-61, Cl. 179—27.54.
Steinbach, Richard L. Mounting bracket for infra-red lamps. 3,014,680, 12-26-61, Cl. 248—50.
Steinback, Clarence I.: *See*—
Bieber, Frederick J., and Steinback. 2,996,265.
Steinback, John E.: *See*—
Katzenberger, Edward F., Knapp, and Steinback. 2,988,152.
Montgomery, Harold C., and Steinberg. 2,996,028.
Steinberg, Albert H.: *See*—
Blewis, Bernard A., and Steinberg 3,006,787.
Steinberg, Howard: *See*—
Bohm, Robert E., and Steinberg. 3,005,011.
Brotherton, Robert J., Steinberg, and McCloskey. 2,974,165.
Wright, John H., Petterson, and Steinberg. 2,979,524.
Wright, John H., Petterson, and Steinberg. 2,982,733.
Steinberg, John C.: *See*—
Davis, Jerome I., Steinback, and Enyeart. 2,993,549.
Steinberg, John C., to Bell Telephone Laboratories, Inc. Torpedo control circuit. 2,991,742, 7-11-61, Cl. 114—23.
Steinberg, John C., to Bell Telephone Laboratories, Inc. Depth control device. 3,002,483, 10-3-61, Cl. 114—25.
Steinberg, Morris A., to Horizons Inc. Joining of graphite members. 2,979,813, 4-18-61, Cl. 29—470.
Steinberg, Morris A., to Horizons Inc. Joining of graphite members. 2,979,814, 4-18-61, Cl. 29—470.

Steinberg, Richard, and V. F. Cartwright, to Ralph M. Parsons Co. Aircraft collision warning system. 3,004,254, 10–10–61, Cl. 343—6.8.

Steinberger Drilling Co.: *See*—
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Steinberger, Ralph J., to Steinberger Drilling Co. Traveling kelly packer. 2,992,841, 7–18–61, Cl. 286—7.

Steinbock, Edmund A., C. Armbrecht, and E. A. Steinbock, Jr.; said Armbrecht and said Steinbock, Jr., assors. to said Steinbock. Crucible former and sprue former carrier. 3,005,232, 10–24–61, Cl. 18—5.7.

Steinbock, Edmund A., Jr.: *See*—
Steinbock, Edmund A., Armbrecht, and Steinbock, Jr. 3,005,232.

Steinbrecher, Ernst E., to Engelhard Hanovia, Inc. Light communication alinement system. 2,982,859, 5–2–61, Cl. 250—205.

Steinbrecher, Lester: *See*—
Newhard, Nelson J., Jr., Dollman, and Steinbrecher. 2,988,465.

Steinbrecher, Lester, to Amchem Products, Inc. Method of and material for applying chromate conversion coatings on aluminum. 3,009,842, 11–21–61, Cl. 148—6.2.

Steinbrink, Hans: *See*—
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Steinbrunn, Gustav, A. Fischer, and H. Stummeyer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. N'-cyclohexyl or octyl, N'-β-hydroxyethyl or propyl, N²N²-dimethyl or diethyl-urea. 3,006,955, 10–31–61, Cl. 260—553.

Steinbuch, Karl, to International Standard Electric Corp. Sorting arrangement. 2,993,596, 7–25–61, Cl. 209—111.5.

Steinbuch, Karl, and U. Schottle, to International Standard Electric Corp. Article sorting control arrangement. 3,006,466, 10–31–61, Cl. 209—72.

Steindorf, Robert T., to Chain Belt Co. Sediment eductors for settling chambers. 2,980,934, 4–25–61, Cl. 15—1.7.

Steinemann, Ulrich, Aktiengesellschaft: *See*—
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Steinen, William F. Nozzle mounting adapter for in line pipe and tube installations. 2,973,976, 3–7–61, Cl. 285—197.

Steinen, William F. Spray nozzle. 2,985,386, 5–23–61, Cl. 239—597.

Steinen, William F. Draft regulator construction. 2,990,118, 6–27–61, Cl. 236—45.

Steiner, Albert M. and R. L., to The Bromo-Mint Co. Butterfly mobile toy. 2,994,156, 8–1–61, Cl. 46—124.

Steiner, Alois. Pneumatic sledge hammer. 2,995,113, 8–8–61, Cl. 121—13.

Steiner American Corp.: *See*—
Birr, Rudolph G. 2,983,200.

Steiner, Friedrich: *See*—
Steiner, Fritz (as known as Friedrich). 2,993,082.

Steiner, Fritz (as known as Friedrich Steiner), to International Standard Electric Corp. Method of overcoming bearing errors in direction finding systems. 2,994,082, 7–25–61, Cl. 343—116.

Steiner, Harry, to Corde De Parie Corset Co., Inc. Brassiere construction. 2,973,764, 3–7–61, Cl. 128—476.

Steiner, Jesse E. Invalid bed. 3,013,281, 12–19–61, Cl. 5—62.

Steiner, Joseph W., to Westinghouse Electric Corp. Holding device. 2,989,721, 6–20–61, Cl. 339—108.

Steiner, Karl U.: *See*—
Geiger, Georg, and Steiner. 2,998,402.

Steiner, Lawrence S. Hinge construction for use with foldable type furniture. 2,984,859, 5–23–61, Cl. 16—190.

Steiner, Louis. Dispensing machines for cans and other cylindrically shaped packages. 2,974,829, 3–14–61, Cl. 221—251.

Steiner, Reinhold O.: *See*—
Spenadel, Lawrence, and Steiner. 2,982,800.

Steiner, Robert L.: *See*—
Steiner, Albert M. and R. L. 2,994,156.

Steinert, Kurt: *See*—
Loef, Jakob, Paul, and Steinert. 3,003,586.

Steinfatt, Fritz, G. Braun, and B. Schmidt, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Mobay Chemical Co. Preparation of polyurethane foam containing an alkylthiuram-disulfide or an alkyl dithiocarbamate. 3,006,870, 10–31–61, Cl. 260—2.5.

Steingass, Josef. Coupling arrangement for semi-trailers. 3,008,733, 11–14–61, Cl. 280—438.

Steingiser, Samuel: *See*—
Yanko, William H., Steingiser, and Salyer. 2,973,292.

Steinhagen, William K.: *See*—
De Wilde, Andries C., and Steinhagen. 2,979,643.

Steinhard, Bertram H., to The Cincinnati Milling Machine Co. Machine tool workpiece loading mechanism. 2,976,650, 3–28–61, Cl. 51—103.

Steinhardt, Irving H. Circular puzzle game. 2,974,957, 3–14–61, Cl. 273—132.

Steinhauer, Alfred F.: *See*—
Smith, Joseph A., Steinhauer, and Valenta. 2,992,999.

Steinhauer, Alfred F., and J. C. Valenta, to The Dow Chemical Co. Heavy duty liquid detergent compositions. 2,990,375, 6–27–61, Cl. 252—138.

Steinhauser, Hayes B., to The Bendix Corp. Simulated ground display. 2,967,263, 1–3–61, Cl. 315—26.
2,969,822, 1–31–61, Cl. 150—1.6.

Steinhof, Karl, Apparatefabrik: *See*—
Schurich, Herbert. 2,981,497.

Steinhofer, Adolf, K. Buschmann, and L. Unterstenhoefer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the production of unsaturated hydrocarbons from liquid hydrocarbons. 3,005,857, 10–24–61, Cl. 260—679.

Steinkamp, Herman A., to The Eastern Cap and Closure Co. Removable cover for pressure dispensing containers. 3,013,700, 12–19–61, Cl. 222—182.

Steinkamp, William I.: *See*—
Wyman, Walter L., and Steinkamp. 2,968,715.

Steinke, Carl J., to Zenith Radio Corp. Frequency-channel indicator. 2,983,248, 5–9–61, Cl. 116—124.4.

Steinke, Harold C.: *See*—
Erekson, Arthur B., Steinke, and Mohr. 2,970,922.

Steinke, Joseph F., and L. C. Erickson, to Elenco Products Corp. Torque limiter. 2,977,779, 4–4–61, Cl. 64—30.2.

Steinke, Leo: *See*—
Knapp, Heinrich, and Steinke. 3,000,368.
Knapp, Heinrich, and Steinke. 3,004,720.

Steinkoenig, Charles A. Concentric disc calculator. 3,013,720, 12–19–61, Cl. 235—78.

Steinle, August. Feed metering device. 3,010,612, 11–28–61, Cl. 222—189.

Steinle, Josef, to Certus Maschinenbau G.m.b.H. Machine for introducing or extracting bottles into or from bottle cases. 2,966,995, 1–3–61, Cl. 214—309.

Steinlein, Eric J. Throttle and clutch control head. 2,967,436, 1–10–61, Cl. 74—471.

Steinlein, Gustav, to Fichtel & Sachs A.G. Diaphragm spring arrangement. 3,013,792, 12–19–61, Cl. 267—1.

Steinlin, Felix, to Les Files de Calais. Production of coloured filaments, threads and the like from viscose. 2,993,018, 7–18–61, Cl. 260—17.4.

Steinman, Leon H., and M. L. MacKnight, to Litton Industries of California. Reactive intercoupling of modular units. 2,967,267, 1–3–61, Cl. 317—101.

Steinman, Wilbert H., and A. A. White, to North American Aviation, Inc. Self-adaptive test fixture for keyed receptacle. 2,968,019, 1–10–61 Cl. 339—151.

Steinmayer, Alwin G., to McGraw-Edison Co. Three-legged magnetic core. 2,968,778, 1–17–61, Cl. 336—213.

Steinmayer, Alwin G., to McGraw-Edison Co. Method of winding a magnetic core. 3,008,222, 11–14–61, Cl. 29—155.57.

Steinmetz, Alfons: *See*—
Scherer, Otto, Steinmetz, Kuhn, Wetzel, and Grafen. 2,994,723.

Steinmetz, Alfred A., and H. C. Isaacs, to The Western Union Telegraph Co. Telegraph tape transmitter distributor. 3,012,096, 12–5–61, Cl. 178—17.

Steinmetz, John C., to North American Aviation, Inc. Store retaining device. 2,971,792, 2–14–61, Cl. 294—83.

Steinmetz, Pearl J., to The H. W. Gossard Co. Brassiere. 2,971,514, 2–14–61, Cl. 128—494.

Steinmuller, L. & C., G.m.b.H.: *See*—
Wolf, Otto, Wenzel, Schmidt, Hebenstreit, Hulsse, and Dorling. 3,001,513.

Steins, Erhard H.: *See*—
Chapin, William S., Jr., and Steins. 2,997,005.

Steinsberger, Jack C.: *See*—
Revesz, Guy H., and Steinsberger. 2,982,103.

Steinthal, Augustus J., to M. Steinthal & Co., Inc. Retractable parachute system for aircraft and pilot chute ejecting mechanism. 2,972,457, 2–21–61, Cl. 244—113.

Steinthal, Augustus J., to M. Steinthal & Co., Inc. Pilot chute with auxiliary deployment canopy. 2,974,913, 3–14–61, Cl. 244—145.

Steinthal, Augustus J., to M. Steinthal & Co., Inc. Flame and abrasion resistant riser for parachute. 2,983,470, 5–9–61, Cl. 244—113.

Steinthal, Augustus J., to M. Steinthal & Co., Inc. Pilot chute. 3,008,675, 11–14–61, Cl. 244—149.

Steinthal, M., & Co., Inc.: *See*—
Gross, Reinhold J. 2,983,007.
Gross, Reinhold J. 3,011,742.
Kiehl, Paul F. 2,991,964.
Sepp, Oscar W., Jr. 2,972,458.
Steinthal, Augustus J. 2,972,457.
Steinthal, Augustus J. 2,974,913.
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Steinthal, Martin B. 3,008,248.

Steinthal, Martin B., to M. Steinthal & Co., Inc. Sample swatch display book. 3,008,248, 11–14–61, Cl. 35—55.

Stejskal, Gottfried: *See*—
Grotzschel, Rudolf, Gopfert, Liebusch, and Stejskal. 2,983,185.

Stelber Cycle Corp.: *See*—
Steller, Philip. 2,979,366.

Stell, George H., to Precision Metal Workers. Sliding mount for kitchen implements and the like. 2,976,005, 3–21–61, Cl. 248—298.

Stella, Frank A., to The Hubley Mfg. Co. Holster. 3,003,670, 10–10–61, Cl. 224—2.

Steller, Philip, to Stelber Cycle Corp. Bicycle sprocket wheel assembly. 2,979,366, 4–11–61, Cl. 308—179.5.

Stelling, Walter R., Jr., to Faustel, Inc. Bag making machine. 2,982,187, 5–2–61, Cl. 93—8.

Stellmach, Hans, to Vaillant, Joh., K.G. Bunsen burners. 2,985,233, 5–23–61, Cl. 158—116.

Stelma, Inc.: *See*—
Peterson, Norman E. 2,990,444.

Stelnicki, Mitchel R. Food package. 3,012,895, 12–12–61, Cl. 99—192.

Stelzer, Roland B., to Texaco Inc. Electrical analogue. 2,989,234, 6–20–61, Cl. 235—61.6.
Stelzer, William, to Kelsey-Hayes Co. Control device for utilizing an internal combustion engine to create subatmospheric pressure. 2,967,392, 1–10–61, Cl. 60—14.
Stelzer, William, to Kelsey-Hayes Co. Booster brake mechanism. 2,976,686, 3–28–61, Cl. 60—54.6.
Stelzer, William, to Kelsey-Hayes Co. Fluid motor mechanism. 2,976,846, 3–28–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Power mechanism. 2,976,849, 3–28–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Fluid pressure operated motor. 2,976,850, 3–28–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Air suspension system and levelling valve for motor vehicles. 2,977,133, 3–28–61, Cl. 280—124.
Stelzer, William, to Kelsey-Hayes Co. Motor mechanism. 2,980,068, 4–18–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Tractor-trailer brake system. 2,980,469, 4–18–61, Cl. 303—29.
Stelzer, William, to Kelsey-Hayes Co. Fluid pressure motor mechanism. 2,985,143, 5–23–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Tractor-trailer brake system. 2,985,488, 5–23–61, Cl. 303—15.
Stelzer, William, to Kelsey-Hayes Co. Tractor-trailer brake system. 2,985,489, 5–23–61, Cl. 303—23.
Stelzer, William, to Kelsey-Hayes Co. Booster motor mechanism. 2,989,033, 6–20–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Fluid pressure motor mechanism. 2,989,035, 6–20–61, Cl. 121—41.
Stelzer, William, to Kelsey-Hayes Co. Self-adjusting take-up means. 2,990,917, 7–4–61, Cl. 188—1.
Stelzer, William, to Kelsey-Hayes Co. Tractor-trailer brake system. 3,001,831, 9–26–61, Cl. 303—7.
Stelzer, William, to Stoffel Seals Corp. Seals and method of attaching them to tying elements. 3,009,276, 11–21–61, Cl. 40—316.
Stelzer, William, to Kelsey-Hayes Co. Pressure controlling valve mechanism for motor vehicle brake systems. 3,011,833, 12–5–61, Cl. 303—60.
Stelzer, William. Control system for elevators. 3,012,634, 12–12–61, Cl. 187—12.
Stelzer, William. Inclined elevator. 3,014,556, 12–26–61, Cl. 187—12.
Stelzer, William, and D. T. Ayers, Jr., to Kelsey-Hayes Co. Booster mechanism. 2,980,066, 4–18–61, Cl. 121—41.
Stemberger, John, to American Brake Shoe Co. Rail lubricator delivery and applying device. 2,995,210, 8–8–61, Cl. 184—3.
Stemke, Henry F. Connector. 2,972,657, 2–21–61, Cl. 174—84.
Stemp, Henry E. Electrically heated lunch box. 2,976,390, 3–21–61, Cl. 219—35.
Stemp, Ronald G.: *See*—
Mason, Frederick P., and Stemp. 2,977,179.
Stempel, Arthur: *See*—
Aeschlimann, John A., and Stempel. 2,974,166.
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Stenberg, John: *See*—
Knox, William J., Jr., and Stenberg. 2,992,108.
Stenberg, Nyyrikki K., to Fischer & Porter Co. Dry-feed chlorinator and the like. Re. 25,095, 12–19–61, Cl. 137—559.
Stenberg, Nyyrikki K., to Fischer & Porter Co. Apparatus for introducing gas into a stream of liquid. 3,010,467, 11–28–61, Cl. 137—14.
Stenberg, Russell J., to Archer-Daniels-Midland Co. Polyoxyalkylated aliphatic nitriles and amines and method. 2,983,738, 5–9–61, Cl. 260—404.
Stenberg, Russell J., and A. E. Rheineck, to Archer-Daniels-Midland Co. Method of preparing nitriles. 2,993,926, 7–25–61, Cl. 260—465.2.
Stencel Aero Engineering Corp.: *See*—
Stencel, Fred B. 3,010,685.
Stencel, Fred B. 3,014,678.
Stencel, Fred B., to Stencel Aero Engineering Corp. Power actuated parachutes. 3,010,685, 11–28–61, Cl. 244—147.
Stencel, Fred B., to Stencel Aero Engineering Corp. Parachute apparatus. 3,014,678, 12–26–61, Cl. 244—147.
Stenemur, Stig B.: *See*—
Sunden, Olof, and Stenemur. 3,012,015.
Stenerson, Charles K.: *See*—
Lorrig, Robert J., and Stenerson. 3,002,146.
Stengel, Leonard A., to Commercial Solvents Corp. Ammonium nitrate explosives. 2,976,137, 3–21–61, Cl. 52—14.
Stengel, Leonard A., to Commercial Solvents Corp. Ammonium nitrate explosives. 2,978,864, 4–11–61, Cl. 60—35.4.
Stenger, Richard C.: *See*—
Bemiss, Robert P., Herring, and Stenger. 2,987,237.
Stenger, Vernon A.: *See*—
Goodenough, Robert D., and Stenger. 2,980,497.
Goodenough, Robert D., and Stenger. 2,980,499.
Goodenough, Robert D., and Stenger. 2,980,502.
Stenhardt, Carl M. E.: *See*—
Rydbeck, Olof E. H., and Stenhardt. 2,974,295.
Stennes, Charles. Geometrical cutting machine. 3,002,281, 10–3–61, Cl. 33—27.
Stentz, Blair E., to The Swartzbaugh Mfg. Co. Power wheel unit. 2,973,823, 3–7–61, Cl. 180—11.
Stenudd, Sven G. V., to Atvidabergs Industrier. Electric control device for the control of electric voltage or current. 2,969,498, 1–24–61, Cl. 323—22.
Stenuis, Frederick W.: *See*—
Breslouf, Morris, and Stenuis. 3,011,985.
Stenzel, Wolfram G.: *See*—
McKenney, Henry F., Stenzel, Lowenstein, and Richter. 3,001,183.
Stenzl, Johann, and F. Häfliger, to Geigy Chemical Corp. New pyrazolone derivatives. 2,993,052, 7–18–61, Cl. 260—306.8.
Stepat, Dorothy L., and M. G. Ryan. Teaching aid for demonstrating clothing designs. 2,987,831, 6–13–61, Cl. 35—56.
Stepath, Myron D., to Arcair Co. Cutting and gouging torch head. 2,989,617, 6–20–61, Cl. 219—69.
Stephan, Alfred H.: *See*—
Shotts, Adolph C., and Stephan. 3,009,960.
Stephan Chemical Co.: *See*—
Steiger, Leonard W. 2,995,468.
Stephan, Clarence A. Wire rope splicing sleeve. 3,008,208, 11–14–61, Cl. 24—123.
Stephan, Hallis N., to The New Britain Machine Co. Pattern for tracer controlled machine tool. 2,976,777, 3–28–61, Cl. 90—62.
Stephanou, Stephen E., L. L. Schwalley, and S. H. Lee, to United States Borax & Chemical Corp. Borate-hypochlorite bleach. 2,977,314, 3–28–61, Cl. 252—99.
Stephen, James, to Burroughs Corp. Calculating machine drive apparatus. 2,988,272, 6–13–61, Cl. 235—62.
Stephen, William E.: *See*—
Barker, Peter W., Heslop, Poole, and Stephen. 2,978,289.
Andrew, Herbert F., Stephen, and Waite. 2,979,498.
Stephen, William E., to Imperial Chemical Industries Ltd. New monoazo dyestuffs. 2,977,353, 3–28–61, Cl. 260—153.
Stephen, William E., to Imperial Chemical Industries Ltd. Triazinyl azo dyestuffs. 3,004,022, 10–10–61, Cl. 260—153.
Stephen, William F., to Western Electric Co., Inc. Apparatus for propelling articles. 2,993,737, 7–25–61, Cl. 302—2.
Stephen, William F., to Western Electric Co., Inc. Article-transfer apparatus. 3,014,323, 12–26–61, Cl. 53—246.
Stephens-Adamson Mfg. Co.: *See*—
Glavan, Richard. 2,973,227.
Glavan, Richard, and King. 3,001,841.
Renner, Elmer J. 2,998,731.
Sinden, Alfred D., and Schaeffer. 2,973,084.
Stephens, Allen J. Hub sealing means. Re. 24,940, 2–28–61, Cl. 286—11.
Stephens, Allen J. Wheel oil seals. 2,990,201, 6–27–61, Cl. 286—11.
Stephens, Charles R., Jr.: *See*—
Blackwood, Robert K., Rennhard, Beereboom, and Stephens. 2,984,686.
Conover, Lloyd H., and Stephens. 2,972,630.
Rennhard, Hans H., Conover, Gordon, and Stephens. 3,002,021.
Stephens, Charles R., Jr., to Chas. Pfizer & Co., Inc. Active derivatives of the tetracycline antibiotics. 2,974,167, 3–7–61, Cl. 260—559.
Stephens, Charles R., Jr., to Chas. Pfizer & Co., Inc. Recovery of 6-deoxy-6-demethyl-tetracycline. 2,999,111, 9–5–61, Cl. 260—559.
Stephens, Clifford A., and R. W. McCandless. Manufacture of coated leather shaft seals. 2,983,131, 5–9–61, Cl. 69—21.
Stephens, Francis E., to James R. Kearney Corp. Protector sleeve for electrical connector. 3,009,986, 11–21–61, Cl. 174—84.
Stephens, Francis F., to The Crookes Laboratories Ltd. Therapeutic derivatives of aryl-benzthiazoles. 2,996,512, 8–15–61, Cl. 260—304.
Stephens, Frederick J., C. M. Smith, and W. C. Wilson, to Smith Mfg. Co. Ltd. Carpet tile. 3,010,859, 11–28–61, Cl. 154—49.
Stephens, Frederick N., C. C. Perkins, Jr., and T. J. Love, Jr., to Gustin-Bacon Mfg. Co. Rotary oven. 2,979,765, 4–18–61, Cl. 18—4.
Stephens, Hubert W., to Chrysler Corp. Transmission oil strainer. 3,014,592, 12–26–61, Cl. 210—168.
Stephens, James, to United States Metallic Packing Co. Ltd. Packings for rotary shafts and the like. 3,006,667, 10–31–61, Cl. 286—11.15.
Stephens, James R., and R. E. Van Strien, to Standard Oil Co. Compositions from trimellitic anhydride, epoxys and fatty acids. 3,012,979, 12–12–61, Cl. 260—18.
Stephens, John A.: *See*—
Darlington, Walter A., and Stephens. 3,004,887.
Stephens, Joseph F., to Gustin-Bacon Mfg. Co. Acoustical insulation paneling system. 2,994,112, 8–1–61, Cl. 20—4.
Stephens, Raymond M. Oil well heater. 2,998,069, 8–29–61, Cl. 166—61.
Stephens, Ronald B., to Heli Coil Corp. Tool for inserting wire coils in bores. 2,969,588, 1–31–61, Cl. 29—240.5.
Stephens, Roy M., to Dan River Mills, Inc. Heddle and harness. 2,991,810, 7–11–61, Cl. 139—92.
Stephens, Verlin C.: *See*—
Bray, Malcolm D., and Stephens. 3,000,874.
Stephens, Verlin C., to Eli Lilly and Co. Erythromycin esters. 2,993,833, 7–25–61, Cl. 167—55.
Stephens, Wilbur E.: *See*—
Foster, Thomas W. F., and Stephens. 2,987,391.
Stephens, Will R., to Barnard & Leas Mfg. Co., Inc. Apparatus for producing liquid reaction products. 2,977,201, 3–28–61, Cl. 23—259.2.
Stephens, Will R., to Barnard & Leas Mfg. Co., Inc. Liquid fertilizer processing equipment. 2,985,513, 5–23–61, Cl. 23—259.1.

Stephens, Will R., to Barnard & Leas Mfg. Co., Inc. Dissolving apparatus. 2,997,373, 8–22–61, Cl. 23—272.6.
Stephens, William R., and P. A. Johnson. Foldable awning. 2,980,180, 4–18–61, Cl. 160—62.
Stephens, William T., to The Parker Appliance Co. Gear pump structure. 2,981,200, 4–25–61, Cl. 103—126.
Stephens, William T., to Parker-Hannifin Corp. Control valve for fluid pressure motors. 3,014,498, 12–26–61, Cl. 137—622.
Stephenson, Charles F.: *See*—
Jerabek, Charles A., Spilman, and Stephenson. 3,002,584.
Stephenson, Clay W., and N. D. Van Horn, to Duncan Coffee Co. Tea bag. 3,006,764, 10–31–61, Cl. 99—77.1.
Stephenson, David S.: *See*—
Richardson, John D., and Stephenson. 2,987,277.
Stephenson, Donald H.: *See*—
Jenny, Alfred L., and Stephenson. 2,994,809.
Stephenson, Ferrald D., 10% to T. C. Whisler, Sr. Excavator tooth. 2,982,035, 5–2–61, Cl. 37—142.
Stephenson, Ferrald D. Keeper. 2,994,141, 8–1–61, Cl. 37—142.
Stephenson, James R. Card shuffler and dealer. Re. 24,986, 5–16–61, Cl. 273—149.
Stephenson, Leslie: *See*—
Elks, Joseph, Oughton, and Stephenson. 2,994,707.
Stephenson, Oliver: *See*—
Petrow, Vladimir, and Stephenson. 3,014,912.
Stephenson, Paul A., to Old Town Corp. Duplicating machines. 2,993,438, 7–25–61, Cl. 101—132.5.
Stephenson, Thomas G.: *See*—
Schroeder, Wilburn C., Levene, and Stephenson. 3,001,652.
Stepnica, Vladimir, to Sigmund Pumps Ltd. Self-priming centrifugal pump. 2,994,275, 8–1–61, Cl. 103—113.
Stepp, James D., to Standard Ultramarine & Color Co. Pigment-substrate mixtures. 3,013,889, 12–19–61, Cl. 106—289.
Sterans, Barbara: *See*—
Lott, William A., Bernstein, and Sterans. 2,999,110.
Sterba, Donald R., and A. M. Olsen, to Crane Co. Gun barrel liner. 2,972,800, 2–28–61, Cl. 29—1.1.
Sterczala, Walter P., to Lockheed Aircraft Corp. Chemical milling etch-rate control apparatus. 3,013,569, 12–19–61, Cl. 134—113.
Sterer Engineering and Mfg. Co.: *See*—
Benaway, Bernard G. 3,003,478.
Sterick, Harrison D., to Union Chill Mat Co. Overhead heating unit. 2,993,489, 7–25–61, Cl. 126—92.
Steritl, Anthony P. Rotary pump. 2,995,093, 8–8–61, Cl. 103—132.
Sterlin, Aaron, to Nalco Chemical Co. Hydrocarbon liquids inhibited against corrosion. 2,994,596, 8–1–61, Cl. 44—63.
Sterling Drug Inc.: *See*—
Albertson, Noel F. 2,980,692.
Alford, Charles E. 2,999,790.
Auerbach, Morris E., and Browning. 2,979,468.
Crounse, Nathan N. 2,980,625.
Crounse, Nathan N. 2,995,525.
Elpern, Bill. 2,978,454.
Elpern, Bill. 3,010,965.
Gorman, William G. 3,004,718.
Hart, John W. 2,986,141.
Hoppe, James O., and Maletta. 2,996,433.
Kirchner, Frederick K. 3,007,938.
Larsen, Aubrey A. 3,009,952.
Lesuk, Alex. 3,011,952.
Surrey, Alexander R. 3,002,001.
Zenitz, Bernard L. 2,987,519.
Sterling Engineering Co. Ltd.: *See*—
Ruffell, Leslie E. 3,012,479.
Sterling Faucet Co.: *See*—
Drobilits, Martin E., and Lantz. 2,977,988.
Sterling, George B.: *See*—
Dreisbach, Robert R., Gifford, Lipke, and Sterling. 3,005,796.
Sterling, George B., to The Dow Chemical Co. Synthetic rubber emulsion polymerizations in the presence of alpha or beta conidendrol. 2,968,645, 1–17–61, Cl. 260—63.
Sterling, George B., and J. F. Mulloy, to The Dow Chemical Co. Method of inhibiting exothermic reaction in butadiene rubber emulsion polymerizations. 2,996,480, 8–15–61, Cl. 260—63.
Sterling, Henley F., to International Standard Electric Corp. Producing silicon of high purity. 2,989,378, 6–20–61, Cl. 23—252.
Sterling, Henley F., and E. L. Bush, to International Standard Electric Corp. Methods of producing silicon of high purity. 2,993,762, 7–25–61, Cl. 23—223.5.
Sterling Industries, Inc.: *See*—
Katz, Avrum, S. 2,979,759.
Sterling, John, Corp.: *See*—
Sterling, John G., and Dornbreck. 2,999,267.
Sterling, John G., and G. L. Dornbreck, to John Sterling Corp. Sliding door hanger assembly. 2,999,267, 9–12–61, Cl. 16—105.
Sterling Plastics Corp.: *See*—
Grothe, Fred I. 2,983,298.
Sterling Precision Corp.: *See*—
Beck, William C. 2,981,886.
Brasack, Fritz, and Brall. 3,002,366.
Laverty, Howard J. 3,002,607.
Sterling Pulp & Paper Co.: *See*—
Hearden, Lester C., and Meyer. 2,979,979.
Sterman, Samuel: *See*—
Homler, Paul A., and Sterman. 3,000,842.
Sterman, Samuel, to Union Carbide Corp. Modified polysiloxanes. 2,996,479, 8–15–61, Cl. 260—46.5.
Stern, Adolf J.: *See*—
Lamont, John, and Stern. 2,981,919.
Stern, David R.: *See*—
Cecil, Edward C., Stern, and Schafer. 2,998,299.
Stern, Hans. Classification of materials. 2,999,593, 9–12–61, Cl. 209—144.
Stern, Hans M.: *See*—
Nelson, Alfred M., Mondt, and Stern. 3,001,549.
Nelson, Alfred M., Stern, and Wiener. 2,988,215.
Nelson, Alfred M., Stern, and Wiener. 2,997,173.
Wiener, Jerome B., Stern, and Nelson. 2,973,200.
Stern, Hansjoerg, to General Electric Co. Multiple input hydraulic amplifier. 2,970,575, 2–7–61, Cl. 121—41.
Stern, Jesse E., and G. L. Santore, to United States of America, Navy. Two component pallograph. 2,976,721, 3–28–61, Cl. 73—71.
Stern, Joseph M., and R. H. Fuller, to Pacific Semiconductors, Inc. Semiconducting diode recovery tester. 2,999,983, 9–12–61, Cl. 324—158.
Stern, Lewis J., to Stubnitz Greene Corp. Combination pad and insulator for cushions. 2,985,230, 5–23–61, Cl. 155—181.
Stern, Maurice N. Cylindrical perpetual calendar. 2,998,666, 9–5–61, Cl. 40—114.
Stern, Max H., to Eastman Kodak Co. Desulfuration process for preparing symmetrical unsaturated hydrocarbons. 2,990,430, 6–27–61, Cl. 260—666.
Stern, Max H., to Eastman Kodak Co. Water-soluble vegetable oil sterol derivatives. 3,004,043, 10–10–61, Cl. 260—397.2.
Stern, Patricia E. Thermal energy recovery and transfer device for deicing and other purposes. 3,014,251, 12–26–61, Cl. 20—40.5.
Stern, Walter P., to W. E. Kelsey. Detachable and washable armrest. 2,987,343, 6–6–61, Cl. 296—49.2.
Stern, William C., to Illinois Tool Works. Washer feeding apparatus. 2,996,220, 8–15–61, Cl. 221—263.
Sternberg, Herbert B., to Auto Facto Systems, Inc. Vehicle identification system. 2,973,596, 3–7–61, Cl. 40—2.2.
Sternberg, Herbert B., to Auto Facto Systems, Inc. Vehicle identification apparatus. 3,006,092, 10–31–61, Cl. 40—2.2.
Sternberg, Theodore A., to Radio Corp. of America. Heat radiating coatings. 2,987,423, 6–6–61, Cl. 117—217.
Sternberg, Willi, to Gritzner-Kayser Aktiengesellschaft. Selector mechanism for zig-zag sewing machines. 3,012,527, 12–12–61, Cl. 112—158.
Sterne, Willard F., and R. A. Bright, to V. I. Du Bois, L. T. Holzworth, R. C. Sterne, E. Silbert, and F. E. Taylor. Safety goggle. 3,000,011, 9–19–61, Cl. 2—14.
Sterner, Melvin F., to Holley Carburetor Co. Means for starting and operating internal combustion engines. Re. 25,023, 8–8–61, Cl. 123—119.
Sterner, Melvin F., to Holley Carburetor Co. Carburetor fuel bowl transfer tube. 2,973,947, 3–7–61, Cl. 261—23.
Sterner, Melvin F., to Holley Carburetor Co. Accelerating pump. 2,993,684, 7–25–61, Cl. 261—34.
Sterner, Melvin F., M. L. Smitley, and A. P. Zaske, to Holley Carburetor Co. Automatic choke. 3,007,682, 11–7–61, Cl. 261—39.
Sterner, Philip E.: *See*—
Foster, James H., and Sterner. 2,970,369.
Sternfeld, Julius: *See*—
Seism, William A., Huntington, Lurie, and Sternfeld. 2,994,865.
Sternglass, Ernest J., to Westinghouse Electric Corp. Radiation detector. 2,994,773, 8–1–61, Cl. 250—83.3.
Stern-Montagny, Francis, to International Business Machines Corp. Transfer circuit. 2,994,854, 8–1–61, Cl. 340—174.
Sterren, Arthur M.: *See*—
Hildebrandt, Eugene E., and Sterren. 3,006,358.
Sterzer, Fred, to Radio Corp. of America. Microwave amplifier. 2,977,482, 3–28–61, Cl. 307—88.
Sterzer, Fred, to Radio Corp. of America. Parametric oscillator phase switching means. 2,992,398, 7–11–61, Cl. 331—55.
Sterzer, Fred, to Radio Corp. of America. Information handling devices. 2,999,167, 9–5–61, Cl. 307—88.
Sterzer, Fred, to Radio Corp. of America. Shift circuits. 3,002,108, 9–26–61, Cl. 307—88.
Sterzer, Fred, and D. J. Blattner, to Radio Corp. of America. Logic circuit for a radio frequency carrier infomation handling system. 2,977,484, 3–28–61, Cl. 307—88.5.
Sterzer, Walter G.: *See*—
Werner, Frank R., and Sterzer. 3,001,695.
Stetka, Daniel G.: *See*—
Frate, Domenico C., and Stetka. 3,002,779.
Richter, Melvin W., and Stetka. 2,994,511.
Stetter, Charles W.: *See*—
Wagner, Edward W., and Stetter. 3,000,336.
Stetz, William: *See*—
Ballato, Joseph J., Colangione, and Stetz. 2,995,765.
Stetzer, Raymond: *See*—
Alexander, Everett, Greif, Jass, and Stetzer. 2,974,089.
Steuben Trust Co.: *See*—
Madsen, Jay, and Tydings. 3,010,337.
Steuber, Elmer G.: *See*—
Shank, Augustus J., and Steuber. 2,997,219.

Steven, Gary: *See*—
Kinkel, Christian F., Richards, Steven, and Troy. 2,977,878.
Nehrenberg, Alvin E., Philip, and Steven. 2,996,376.
Steven, Harry M., and R. W. Marshall, to General Electric Co. Circuit breaker. 2,981,811, 4–25–61, Cl. 200—88.
Stevens, Andrew: *See*—
McLaughlin, George H., Stevens, and Charuba. 3,014,176.
Stevens-Arnold Inc.: *See*—
Reifel, Harry. 2,992,307.
Stevens, Arthur D.: *See*—
McPherson, Alexander L., Stevens, Bailey, and Klusch. 3,010,668.
Stevens, Brooks, Jr., to Ames Textile Corp. Pile loop crushing method and apparatus. 2,996,904, 8–22–61, Cl. 66—92.
Stevens, Brooks, Jr., to Ames Textile Corp. Apparatus for treatment of long webs under pressure. 3,005,327, 10–24–61, Cl. 68—5.
Stevens & Bullivant Ltd.: *See*—
Smith, Samuel. 3,002,406.
Stevens, Curtis T. Delay opening valve. 2,971,464, 2–14–61, Cl. 103—6.
Stevens, Donald L.: *See*—
Patterson, George W., Schafer, and Stevens. 3,014,660.
Stevens, Francis D. H.: *See*—
MacLeod, David E., and Stevens. 2,970,457.
Stevens, Frederic B., Inc.: *See*—
Barton, James. 2,972,403.
Stevens, George H.: *See*—
Hunter, Hale H., and Stevens. 3,009,280.
Stevens, Guy L. Piston ring groove spacer. 2,967,745, 1–10–61, Cl. 309—44.
Stevens, Harold B., to Shawinigan Chemicals Ltd. Preparation of peracetic acid. Re. 25,057, 10–17–61, Cl. 260—502.
Stevens, Harold E.: *See*—
Bird, James R., and Stevens. 2,973,479.
Stevens, Harold W.: *See*—
Hendrickson, Lester C., and Stevens. 2,991,883.
Stevens, Harry S.: *See*—
Thuet, Hans A., and Stevens. 3,006,041.
Stevens, Horace D., to The Firestone Tire & Rubber Co. Apparatus for making pneumatic air springs. 2,979,104, 4–11–61, Cl. 154—1.
Stevens, J. P., & Co., Inc.: *See*—
Tesoro, Giuliana C. 3,000,762.
Stevens, James H.: *See*—
Solomon, Charles R., Stevens, and Warren. 2,985,466.
Stevens, James I., J. E. Cottle, and W. T. Wise, to Phillips Petroleum Co. Catalyst activation. 2,987,487, 6–6–61, Cl. 252—467.
Stevens, James I., and J. E. Cottle, to Phillips Petroleum Co. Solids recovery process. 3,004,019, 10–10–61, Cl. 260—94.9.
Stevens, Jesse W., to Sunkist Growers, Inc. Method of preparing dry culture media. 2,970,948, 2–7–61, Cl. 195—102.
Stevens, Lewis A., and W. S. Roney, to United States of America, Navy. Radar reflecting tow target. 2,978,700, 4–4–61, Cl. 343—18.
Stevens, Lewis F.: *See*—
Baillie, Edward C., and Stevens. 2,976,206.
Stevens, Louis D., to International Business Machines Corp. Information storage matrix. 3,014,203, 12–19–61, Cl. 340—173.
Stevens Mfg. Co., Inc.: *See*—
Bletz, Howard W. 3,005,080.
Mertler, Charles S. 3,005,076.
Stevens, Martin L.: *See*—
Kaman, Charles, and Stevens. 2,983,319.
Stevens, Martin L., to The Kaman Aircraft Corp. Helicopter with jet driven rotor. 2,994,384, 8–1–61, Cl. 170—135.4.
Stevens, Nichols. Machine tool clamp. 2,970,833, 2–7–61, Cl. 269—189.
Stevens, Nichols. Toggle bolt assembly. 2,990,746, 7–4–61, Cl. 85—3.
Stevens, Norbert J., E. R. Parker, and T. Yousch, to Joy Mfg. Co. Furnace baffle. 2,983,235, 5–9–61, Cl. 110—97.
Stevens, Norman B., S. R. Bradshaw, and C. H. Davison, to United States of America, Navy. Apparatus for producing a scanning sequence. 3,002,125, 9–26–61, Cl. 315—23.
Stevens, Norman C., and L. R. Riechel; said Reichel assor. to said Stevens. Toggle clamp. 2,988,122, 6–13–61, Cl. 144—290.
Stevens, Phillip J.: *See*—
Hughes, Larry E., and Stevens. 2,968,919.
Stevens, Robert W.: *See*—
Goss, Barnard L., and Stevens. 2,994,005.
Stevens, Stanley S.: *See*—
Garner, Wendell R., and Stevens. 2,997,662.
Stevens-Thuet Co.: *See*—
Thuet, Hans A., and Stevens. 3,006,041.
Stevens, Travis E., to Rohm & Haas Co. Process for the preparation of fluorohydrocarbons. 2,972,639, 2–21–61, Cl. 260—653.8.
Stevens, Walter R.: *See*—
Ferguson, Harold M., and Stevens. 2,968,023.
Ferguson, Harold M., Stevens, and Sagar. 2,975,400.
Stevens, William W.: *See*—
Billetter, Halton A., and Stevens. 2,980,360.
Stevenson, Albert F., and K. S. Lion. Method and means for subjecting a liquid medium to violent vibrational pressure effects. 3,001,768, 9–26–61, Cl. 250—1.
Stevenson, Carl R.: *See*—
Bolling, Charles L., and Stevenson. 3,011,945.
Stevenson, Derek A.: *See*—
Taylor, Harold M., and Stevenson. 3,007,408.
Stevenson, Donald H.: *See*—
Craig, Robert G., and Stevenson. 2,980,631.
Stevenson, George G.: *See*—
Trautmann, Herbert L., and Stevenson. 3,005,576.
Stevenson, Halsey B.: *See*—
Lindsey, Richard V., Jr., and Stevenson. 2,999,107.
Stevenson, Herbert A., J. R. Marshall, and A. F. Hams, to Boots Pure Drug Co. Ltd. New organic sulphonamido isothiocyanates. 2,980,668, 4–18–61, Cl. 260—239.8.
Stevenson, Howard S. Extruded metal sill. 2,990,040, 6–27–61, Cl. 189—75.
Stevenson, James J., and P. R. Dowden, to Continental Rubber Works. Paper mill roll. 2,983,990, 5–16–61, Cl. 29—132.
Stevenson, Kenneth M.: *See*—
Langenwalter, Daniel F., and Stevenson. 3,012,244.
Stevenson, Peter C., E. R. Hewitt, deceased, by A. S. Hewitt, executor. Fertilizer composition comprising a nitrogenous compound and hydrazine or hydrazine salts. 3,000,723, 9–19–61, Cl. 71—30.
Stevenson, Robert B.: *See*—
Robinson, Harold C., Aitken, and Stevenson. 2,983,443.
Stevenson, Robert W., to The Jeffrey Mfg. Co. Material reducing apparatus. 2,986,347, 5–30–61, Cl. 241—191.
Stevenson, Rulon E. Calculating device. 3,005,586, 10–24–61, Cl. 235—89.
Stevenson, Thomas. Ignition system for caseless rounds in open breech type guns. 2,981,151, 4–25–61, Cl. 89—1.7.
Stevenson, Thomas, W. W. Cavell, and J. J. Caven, to United States of America, Army. Spotter-tracer projectile. 3,013,495, 12–19–61, Cl. 102—59.
Stevenson, Wilbur E., and L. Thiergartner. Dispenser for animal feed materials. 2,973,120, 2–28–61, Cl. 222—134.
Stevick, Larry E.: *See*—
Mudrak, Anton, and Stevick. 3,006,941.
Stevinson, Harry T., and D. A. Baker, to National Research Council. Quick release mechanism. 2,974,898, 3–14–61, Cl. 244—1.
Stevoff, George. Safety container and locking cap therefor. 2,987,207, 6–6–61, Cl. 215—9.
Steward, Omar W.: *See*—
Holbrook, George W., and Steward. 3,012,006.
Stewart, Andrew H. Charge forming apparatus. 2,969,614, 1–31–61, Cl. 49—55.
Stewart, Aubrey P., Jr., R. A. Johnson, and P. T. Anderson, to Hawthorn-Mellody, Inc. Process for stabilizing dairy products against age-thickening. 3,008,840, 11–14–61, Cl. 99—212.
Stewart, Calvin R. Sterilizable and non-breakable micro slide container. 2,998,127, 8–29–61, Cl. 206—1.
Stewart, Clarence H.: *See*—
Durkee, James D., and Stewart. 2,995,628.
Stewart, Clifford R., deceased, by M. C. Stewart, executrix, to R. L. Faber. Method of examining oil samples. 3,003,350, 10–10–61, Cl. 73—64.
Stewart, Clyde, to Collins Radio Co. Electromechanical phase detector for radio sextants. 2,969,540, 1–24–61, Cl. 343—117.
Stewart Development Co.: *See*—
Stewart, Hugh T. 2,999,831.
Stewart, Edwin H., Jr., to Electronic Processes Corp. of California. Power control circuit. 2,971,137, 2–7–61, Cl. 317—142.
Stewart, Felix I. Conveyor. 2,967,605, 1–10–61, Cl. 198—181.
Stewart, Frederic, to McKenzie & Holland (Australia) Pty. Ltd. Flasher relays. 2,982,871, 5–2–61, Cl. 310—19.
Stewart, Frederick P. Waste basket and mounting. 2,980,281, 4–18–61, Cl. 220—18.
Stewart, G. Douglass: *See*—
Arnold, Philip H., Desnoes, Stearn, Stewart, and Wood. 2,993,095.
Stewart, Harold H. Torque limiting devices. 2,969,132, 1–24–61, Cl. 192—56.
Stewart, Hugh T., to Stewart Development Co. Vulcanized rubber product containing a metal hydride as an antioxidant. 2,999,831, 9–12–61, Cl. 260—33.6.
Stewart, James U., and R. C. Cooprider, to The Drackett Co. Measuring pump. 2,966,861, 1–3–61, Cl. 103—153.
Stewart, James U., and R. C. Cooprider, to The Drackett Co. Aerosol spray head. 2,974,880, 3–14–61, Cl. 239—493.
Stewart, James W., to Marbill Co. Method for making rubber shoes. 3,002,230, 10–3–61, Cl. 18—59.
Stewart, John E., to Federal-Mogul-Bower Bearings, Inc. Method of molding shaft seals. 2,982,999, 5–9–61, Cl. 18—59.
Stewart, John F., to Radio Corp. of America. Method of making a phosphor screen and screen produced thereby. 2,982,669, 5–2–61, Cl. 117—33.5.
Stewart, John S.: *See*—
Adamson, Percy, and Stewart. 3,014,120.
Stewart, Kenneth C., to Mine Safety Appliances Co. Noise meter. 2,982,914, 5–2–61, Cl. 324—111.
Stewart, Leonard F.: *See*—
Zubaty, Joseph G., and Stewart. 3,008,460.
Stewart, Lyle. Mowing attachment for tractors or the like. 2,997,835, 8–29–61, Cl. 56—25.
Stewart, Minnette C.: *See*—
Stewart, Clifford R. 3,003,350.
Stewart, Phillip G., to Dynex, Inc. Variable volume hydraulic pump. 2,997,956, 8–29–61, Cl. 103—41.

Stewart, Richard M.: *See*—
MacQueen, Charles W., Farmin, and Stewart. 2,982,428.
Stewart, Richard M. Submerged combustion heating apparatus. 2,981,250, 4–25–61, Cl. 126—360.
Stewart, Robert J., to The Bulman Corp. Structural device. 3,009,581, 11–21–61, Cl. 211—147.
Stewart, Robert M., to Space Electronics Corp. Image reproducing apparatus. 2,969,531, 1–24–61, Cl. 340—324.
Stewart, Roger B., to Reit-Price Mfg. Co., Inc. Lockable universal implement head. 3,006,668, 10–31–61, Cl. 287—14.
Stewart, Thomas D., to Movet Industries, Inc. Railway car mover. 2,989,007, 6–20–61, Cl. 105—90.
Stewart, Thomas H., Jr., and R. A. MacDonald, to International Minerals & Chemical Corp. Granulation of mixed fertilizers. 2,971,832, 2–14–61, Cl. 71—64.
Stewart, Walter R. Method of making a sea shell surfacing. 3,007,270, 11–7–61, Cl. 41—34.
Stewart-Warner Corp.: *See*—
Allen, Arthur C., Bjorn, and Sadoff. 2,991,395.
Bystricky, Joseph C., and Jennings. 2,991,846.
Castor, Richard W. 3,013,121.
Dinkelkamp, Henry T. 2,995,212.
Fisher, John T. 2,990,696.
Fisher, John T. 2,997,131.
Gersch, Adolph E. 3,005,951.
Kraft, Edmond W. 2,991,418.
Maccabee, David E. 2,971,380.
Maudlin, Wendell E., and McKinzie. 2,993,106.
Purnell, Richard F. 3,000,519.
Randall, Ross D. 2,995,122.
Smoll, Allen E., and Van Ness. 2,990,965.
Swanson, William G. 2,998,889.
Tramontini, Vernon N. 2,990,877.
Tramontini, Vernon N. 2,998,806.
Wargo, Peter. 2,979,659.
Wargo, Peter. 3,013,210.
Wein, John F., and Wendell. 2,971,470.
Woodcock, Charles A. 2,972,033.
Zargarpur, Rouholah. 2,992,300.
Stewart, Warren A. Prestressed golf club. 2,992,828, 7–18–61, Cl. 273—80.
Stewart, Weldon A. Switch and control. 2,993,972, 7–25–61, Cl. 200—157.
Stewart, William B.: *See*—
Zimsky, John J., and Stewart. 2,989,883.
Stewart, William D.: *See*—
Terek, Joseph A., and Stewart. 2,986,831.
Stewart, William J., to Esso Research and Engineering Co. Multiple vent. 3,014,615, 12–26–61, Cl. 220—85.
Stewart, William T.: *See*—
Stuart, Frank A., Stewart, and Lowe. 2,993,032.
Stewart, William T., W. Lowe, F. W. Kavanagh, and F. A. Stuart, to California Research Corp. Polyglycol carbamates. 2,998,445, 8–29–61, Cl. 260—482.
Stibbe, G., & Co. Ltd.: *See*—
Burdett, Henry S. 2,966,784.
Stich, Jules N.: *See*—
Kimura, Shuji, and Stich. 2,980,536.
Stich, Wilhelm, to Bochumer Verein fuer Gusstahlfabrikation Aktiengesellschaft. Resistance heating process and apparatus. 2,972,043, 2–14–61, Cl. 219—156.
Stichting Reactor Centrum Nederland: *See*—
Went, Jan J. 2,983,229.
Stickel, Wesley N., to Texon, Inc. Apparatus for saturating webs of felted fibres. 2,993,470, 7–25–61, Cl. 118—407.
Stickelber, Merlin A. Panning mechanism for bread molder. 3,000,154, 9–19–61, Cl. 53—74.
Stickley, Edward S.: *See*—
Griffith, Edwin, and Stickley. 2,991,870.
Stickney, Donald B. and D. B. Stickney, Jr. Instrument attaching device. 3,006,052, 10–31–61, Cl. 24—263.
Stickney, Donald B., Jr.: *See*—
Stickney, Donald B. and D. B. Stickney, Jr. 3,006,052.
Stickney, Michael E.: *See*—
Savage, Lester D., Jr., and Stickney. 2,984,109.
Stickney, Palmer B.: *See*—
Germann, Donald P., Kropa, King, and Stickney. 3,003,988.
Stickney, Wendell H., and R. F. Reifers, to Diamond National Corp. Pulp molding die. 2,981,330, 4–25–61, Cl. 162—411.
Stidham, James F. Object depository monitor. 2,980,223, 4–18–61, Cl. 194—4.
Stiebel, Ariel I., to Rockwell-Standard Corp. Electronically controlled working processes. 2,999,921, 9–12–61, Cl. 219—7.5.
Stiebel, Ariel I., and M. G. Rigby, to Rockwell-Standard Corp. Safety device for power presses. 3,011,610, 12–5–61, Cl. 192—131.
Stiebel, Theodor H. Miniature immersion heaters with watertight handles enclosing switching means. 2,977,456, 3–28–61, Cl. 219—41.
Stiebel, Theodor H. Single hand control for hot beverage preparation apparatus for use particularly in aircraft and automobiles. 2,989,093, 6–20–61, Cl. 141—278.
Stieber, Harry C.: *See*—
Fisher, Richard S., Gartland, Mail, and Stieber. 2,992,901.
Stiefel, Christian, and H. König, to Waggonfabrik Talbot. Closure for vehicles especially rail vehicles and trucks. 3,008,759, 11–14–61, Cl. 296—100.
Stiefel, Rudy C., D. A. Strakhov, and P. A. Carbone, to Sperry Rand Corp., Ford Instrument Co. Division. Integrated plug-in unit. 3,001,102, 9–19–61, Cl. 317—99.
Stiefel, Werner, to Hoffman Maschinen A.-G. Zurich. Method and apparatus for steaming and ironing a clothing having a collar. 2,986,311, 5–30–61, Cl. 223—57.
Stieg, William E., and A. T. Nielsen, to Chas. Pfizer & Co., Inc. Process of preparing vitamin A esters. 2,971,966, 2–14–61, Cl. 260—410.
Stieg, William E., and J. D. Gillis, Jr., to Chas. Pfizer & Co., Inc. Process for the manufacture of C_{14} aldehyde. 2,987,550, 6–6–61, Cl. 260—598.
Stieger, Francis M., to Monsanto Chemical Co. Laminated structures. 2,991,208, 7–4–61, Cl. 154—46.
Stieger, Walter: *See*—
Meyer, Kurt, Jenne, Schwalb, Michel, Stieger, and Weng. 2,982,533.
Stiegler, Elwood A.: *See*—
Giusti, George R., Stiegler, and Hirsch. 3,001,334.
Stieglitz, Hermann W.: *See*—
Kaiser, Walter S., and Stieglitz. 2,975,265.
Stieltjes, Frederik H.: *See*—
Van Overbeek, Adrianus J. W. M., and Stieltjes. 2,982,918.
Van Overbeek, Adrianus J. W. M., Stieltjes, Jochems, Ensink, Verhagen, and Tummers. 3,008,091.
Stier, Karl-Heinrich: *See*—
Rellensmann, Otto, and Stier. 3,001,290.
Stier, Reinhardt, and E. Hofmann, to Robert Bosch, G.m.b.H. Fuel injection pump for multicylinder internal combustion engines. 2,999,487, 9–12–61, Cl. 123—139.
Stierlin, Hans. Generator assembly for absorption refrigerating system of the pressure-equalized gas type. 2,999,373, 9–12–61, Cl. 62—497.
Stifano, Vincent Anthony, Jr., to The Holo-Krome Screw Corp. Apparatus for tensioning threaded members. 2,995,033, 8–8–61, Cl. 73—141.
Stiff, Bernard G. E.: *See*—
Kelliher, Maurice G., Nygard, Stiff, and Wilson. 2,993,143.
Stiffey, Arthur V. B.: *See*—
Broquist, Harry P., Albrecht, and Stiffey. 2,980,590.
Stiftelsen Svensk Textilforskning: *See*—
Lundgren, Sven-Olof. 2,975,625.
Stigler, Willard R.: *See*—
Drabik, Walter, and Stigler. 3,009,073.
Stigler, Willard R., and W. Drabik, to General Motors Corp. Method and wedges for conducting heat from slots of dynamoelectric machine. 2,990,487, 6–27–61, Cl. 310—214.
Stiglic, Paul M., to Thompson Ramo Wooldridge Inc. Speed sensing system. 2,988,919, 6–20–61, Cl. 73—502.
Stiglic, Paul M., to Thompson Ramo Wooldridge Inc. Turbine engine acceleration control apparatus. 3,000,181, 9–19–61, Cl. 60—39.28.
Stiglic, Paul M., and D. J. Shramo, to Thompson Ramo Wooldridge Inc. Pressure relay. 2,977,968, 4–4–61, Cl. 137—86.
Stiglic, Paul M., and G. L. Mrava, to Thompson Ramo Wooldridge Inc. Positioning device. 2,984,213, 5–16–61, Cl. 121—41.
Stiglic, Paul M., and D. D. Carrell, to Thompson Ramo Wooldridge Inc. Fluid pressure operated servo actuator. 2,992,633, 7–18–61, Cl. 121—41.
Stihl, Andreas. Rotatable earth borer. 2,973,821, 3–7–61, Cl. 175—388.
Stilbert, Elmer K., M. W. Zembal, and L. H. Silvernail, to The Dow Chemical Co. Method of manufacturing paper. 2,972,560, 2–21–61, Cl. 162—168.
Stilborn, Herbert G. Stay put drain plug. 2,968,047, 1–17–61, Cl. 4—295.
Stile-Craft Manufacturers: *See*—
Rogers, Gerald L. 2,982,135.
Rogers, Gerald L. 3,003,213.
Rogers, Gerald L. 3,012,580.
Stiles, Alan R.: *See*—
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Stiles, Alan R., and M. Silverman, to Shell Oil Co. Insecticides. 3,014,838, 12–26–61, Cl. 167—30.
Stiles, Alan R., and L. F. Ward, Jr., to Shell Oil Co. Phosphorus-containing insecticides. 3,014,839, 12–26–61, Cl. 167—30.
Stiles, Gene A., to Pratt, Read & Co., Inc. Keyboard construction. 2,996,941, 8–22–61, Cl. 84—440.
Stiles, Melvin S., and R. N. Straehl, to General Dynamics Corp. Optical navigational instruments. 3,006,233, 10–31–61, Cl. 88—1.
Stiles, Morrison N., to Time, Inc. Coating compositions and processes for making paper more receptive to ink. 3,005,727, 10–24–61, Cl. 117—76.
Stiles, Richard C.: *See*—
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Stiles, Richard C., to General Motors Corp. Current collector contact means. 2,985,782, 5–23–61, Cl. 310—240.
Stiles, Samuel J. Chamfer strip for concrete forms. 2,991,532, 7–11–61, Cl. 25—118.
Stiles, Samuel R., to The M. W. Kellogg Co. Alkylation process. 3,013,093, 12–12–61, Cl. 260—683.62.
Still, Paul F., to Avocation Products. Water going line carrier. 3,007,432, 11–76–1, Cl. 115—6.1.
Stille, Gunnar, and D. Ersson, to Stockholms Bagerlaktiebolag. Conveyor. 2,990,052, 6–27–61, Cl. 198—182.

Stilley, George W.: *See*—
Robinson, Lee R., Stilley, and Cypher. 2,991,114.
Stillman, Harold. Storage drawer. 2,967,078, 1-3-61, Cl. 312—111.
Stillman, Jerome I.: *See*—
Scapple, Robert Y. ,and Stillman. 3,008,104.
Stillo, Horatio S., R. S. Kolat, and W. R. Nummy, to The Dow Chemical Co. Detergent compositions. 2,981,692, 4-25-61, Cl. 252—170.
Stillwagon, Crawford K. Valve. 2,994,342, 8-1-61, Cl. 137—454.2.
Stillwagon, George B., Jr., ½ to K. G. Fraser. Method of making universal joints. 3,012,315, 12-12-61, Cl. 29—423.
Stillwell, Charlotte B.: *See*—
Stillwell, Orval W. and C. B. 2,972,825.
Stillwell, Orval W. and C. B. Farm gate. 2,972,825, 2-28-61, Cl. 39—75.
Stillwell, Peter F. T. C.: *See*—
Newbery, Gordon W., Montgomery, and Stillwell. 3,005,-160.
Stillwell, William D., to The Harshaw Chemical Co. Dehydrogenation catalysts. 2,971,926, 2-14-61, Cl. 252—441.
Stilwell, Robert E.: *See*—
Bray, Walter E., and Stilwell. 2,980,252.
Stilwell, Robert E., to Food Machinery and Chemical Corp. Combination pipe coupling and automatic drain valve. 2,975,799, 3-21-61, Cl. 137—521.
Stilwell, William E., Jr., to The Murray Corp. of America. Laundry appliance motor control. 2,971,143, 2-7-61, Cl. 318—466.
Stilz, Walter, and H. Pommer, to Badische Anilen- & Soda-Fabrik Aktiengesellschaft. Production of symmetrically substituted conjugated hexatrienes and their vinylogues. 3,009,921, 11-21-61, Cl. 260—340.5.
Stimler, Morton, to United States of America, Navy. Remote control switching circuit. 2,974,260, 3-7-61, Cl. 317—137.
Stimler, Morton, and J. W. Willis, to United States of America, Navy. Remote control switching circuit. 3,009,082, 11-14-61, Cl. 317—151.
Stimpson, Robert H., and I. J. Hutchings, to H. J. Heinz Co. Method of preparing cooked egg yolk and cooked egg yolk product. 2,999,024, 9-5-61, Cl. 99—182.
Stimson, Allen G., E. J. Fox, and H. P. Rexer, to Eastman Kodak Co. Electrical measuring instrument. 2,996,673, 8-15-61, Cl. 324—151.
Stimson, Allen G., J. H. Eagle, and N. N. Lareau, to Eastman Kodak Co. Exposure meter compensating device. 3,001,-443, 9-26-61, Cl. 88—23.
Stimson, Allen G., and G. F. Pickens, to Eastman Kodak Co. Viewfinder signals for photographic cameras. 3,003,389, 10-10-61, Cl. 88—16.
Stimson, Glen H., to United-Greenfield Corp. Helix tester. 2,974,418, 3-14-61, Cl. 33—199.
Stine, Carl A. Adjustable tray. 2,980,165, 4-18-61, Cl. 155—128.
Stine, Harrison M., and E. C. Hughes, to The Standard Oil Co. Cutting oil containing calcium stearate. 2,995,516, 8-8-61, Cl. 252—40.7.
Stine, Homer R. Journal lubricator. 2,969,261, 1-24-61, Cl. 308—87.
Stine, Howard E., Jr.: *See*—
Evans, William R., and Stine. 2,992,576.
Stiner, Kent P.: *See*—
Herrmann, John A., Farnsworth, and Stiner. 2,969,438.
Stingel, Frederick J., and H. V. R. Parish. Vehicle auxiliary brake mechanism. 2,990,903, 7-4-61, Cl. 180—82.
Stinger, Henry J., and T. M. Urban, to E. I. du Pont de Nemours and Co. Electric blasting cap. 2,999,460, 9-12-61, Cl. 102—28.
Stinson, Dorothy B.: *See*—
Stinson, Peery L. 3,008,158.
Stinson, Harold S. Attachment for fishhooks. 3,000,131, 9-19-61, Cl. 43—44.6.
Stinson, John A.: *See*—
Hammes, Frederic J. 2,999,952.
Stinson, Lawrence W., to Continental Electronics Mfg. Co. Radio frequency transmission line switching system. 3,009,118, 11-14-61, Cl. 333—7.
Stinson, Peery L., deceased (D. B. Stinson, administratrix of said P. L. Stinson). Universal mooring and ramp. 3,008,158, 11-14-61, Cl. 14—71.
Stinton, Frederick M. Flight time computer. 2,972,813, 2-28-61, Cl. 33—142.
Stires, Eldon R., to The Central Ohio Paper Co. Envelope. 3,004,699, 10-17-61, Cl. 229—84.
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North, Gerald C., Noznick, and Stiritz. 2,997,396.
Stirnemann, Ernst, W. Moser, and S. Perl, to Lonza Electric and Chemical Works Ltd. Process for the production of pyridine carboxylic acids. 2,996,511, 8-15-61, Cl. 260—295.5.
Stirrup, Frank A. Film negative supporting frame. 2,992,-603, 7-18-61, Cl. 95—100.
Stirrup, Frank A. Type cleaning device with reversible cleaning element. 3,000,031, 9-19-61, Cl. 15—210.
Stirrup, Frank A. Device for selecting recorded sections of recording strips. 3,000,105, 9-19-61, Cl. 33—189.
Stites, George M. Roller skate training device. 3,008,725, 11-14-61, Cl. 280—11.2.
Stivers, David A., to Minnesota Mining and Mfg. Co. Composition comprising phenol-aldehyde resin and heavy metal hydroxy halide, and process for the vulcanization of rubber therewith. 2,999,081, 9-5-61, Cl. 260—43.
Stobb, Anton R., to Western Publishing Co., Inc. Rotary type sheet cutter. 3,008,364, 11-14-61, Cl. 83—23.
Stobbe, Benjamin B., to Wilson Athletic Goods Mfg. Co., Inc. Baseball glove with lacing at the finger crotches. 2,988,-744, 6-20-61, Cl. 2—19.
Stobbe, Helmut, and H. Heitmann, to International Standard Electric Corp. Circuit arrangement for line identification. 2,999,130, 9-5-61, Cl. 179—18.
Stöbe, Robert, to Wacker-Chemie G.m.b.H. Process for preventing corrosion of metals. 2,996,351, 8-15-61, Cl. 21—2.5.
Stock, Alvin L.: *See*—
Keeney, William E., Berry, and Stock. 2,978,223.
Stock, Arthur J., to Stock Equipment Co. Spring loaded compensator. 3,001,597, 9-26-61, Cl. 177—120.
Stock, Bernard L. Means for detecting the presence of contents in envelopes. 3,003,631, 10-10-61, Cl. 209—81.
Stock, Charles S., to American Air Filter Co., Inc. Room ventilating ;method and apparatus. 2,979,265, 4-11-61, Cl. 236—44.
Stock Equipment Co.: *See*—
Stock, Arthur J. 3,001,597.
Stock, Keith M. Irrigation water signal. 2,990,806, 7-4-61, Cl. 116—118.
Stock, Philip R. Work clamping devices. 2,991,669, 7-11-61, Cl. 77—63.
Stockdale, William D., to Illinois Tool Works. Plastic flower pot. 3,009,603, 11-21-61, Cl. 220—97.
Stocker, Arthur C.: *See*—
Covely, Frank D., 3rd, and Stocker. 2,995,744.
Stocker, Arthur C., to Radio Corp. of America. Direct view storage tube with controlled erasure. 2,967,969, 1-10-61, Cl. 315—8.5.
Stocker, Edo H.: *See*—
Griffiths, Edward G., and Stocker. 2,995,793.
Stocker, Edward T.: *See*—
Ellis, Edward A., Stocker, Waddell, and Whipple. 2,971,-706.
Stocker, Emil: *See*—
Purgin, André, and Stocker. 3,009,913.
Stocker, Karl M., to Hermann Schwarz, Kommanditgesellschaft. Cap unit for use in connection with mining. 2,997,319, 8-22-61, Cl. 287—99.
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Stocker, Rudolph. Concrete structure. 3,002,843, 10-3-61, Cl. 106—97.
Stockford, Michael T.: *See*—
Ashman, Charles S., James, and Stockford. 2,975,358.
Stockholms Bagerlaktiebolag: *See*—
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Stockholms Superfosfat Fabriks Aktiebolag: *See*—
Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,085.
Sunden, Olof, and Sorvik. 2,970,977.
Sunden, Olof, and Stenemur. 3,012,015.
Stocklein, Walter, H. Schmidt, and G. Dünkel, to Licentia Patent-Verwaltungs-G.m.b.H. Arrangement of oil pumps in compression type refrigerating machines. 2,996,240, 8-15-61, Cl. 230—206.
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Stockton, Charles O., Jr. Awning structure. 2,967,336, 1-10-61, Cl. 20—57.5.
Stockton, Thomas R., to Ford Motor Co. Overrunning coupling. 2,973,847, 3-7-61, Cl. 192—45.
Stockton, Thomas R., to Ford Motor Co. Overrunning coupling mechanism. 3,014,567, 12-26-61, Cl. 192—45.
Stockton, Thomas R., and N. T. General, to Ford Motor Co. Governor mechanism. 2,993,499, 7-25-61, Cl. 137—100.
Stockwell, Glade M., to Collins Radio Co. Antibacklash differential mechanism. 3,012,449, 12-12-61, Cl. 74—713.
Stocky, Jan. Apparatus for investigation of the occurrence of secondary after images. 3,004,468, 10-17-61, Cl. 88—20.
Stoddard, Craig. Wire milk crate. 2,968,418, 1-17-61, Cl. 220—19.
Stoddard, Edgar S., to General Electric Co. Water demineralizing methods and systems. 2,980,598, 4-18-61, Cl. 204—151.
Stoddard, Edgar S., to General Electric Co. Apparatus and method for sanitizing tableware. 2,981,267, 4-25-61, Cl. 134—95.
Stoddard, Nicholas J.: *See*—
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Seem, Warren A., and Stoddard. 2,966,775.
Seem, Warren A., and Stoddard. 3,009,312.
Stoddard, Richard D. Snow removal attachment for a rotary lawn mower. 2,984,919, 5-23-61, Cl. 37—53.
Stoddard, Stephen D., and W. T. Harper, to United States of America, Atomic Energy Commission. New method of graphite preparation. 2,997,744, 8-29-61, Cl. 18—55.
Stoddard, William B., Jr.: *See*—
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Stoddart, Richard R. 2,971,231.
Stoddart, Hugh F., and E. Du Bois, to Baird-Atomic, Inc. Method and apparatus for measuring the ratio of electric potentials. 2,999,206, 9-5-61, Cl. 324—140.
Stoddart, Richard R., to Stoddart Aircraft Radio Co., Inc. Cable fastener. 2,971,231, 2-14-61, Cl. 24—16.

Stoddart, Wilbert E., F. R. Graesser, D. L. Thompson, and N. Keir, to Dominion Malting (Ontario) Ltd. Process for the continuous malting of grain. 2,998,351, 8-29-61, Cl. 195—71.

Stoeckel, Albert L.: *See*—
Cochrane, Donald P., and Stoeckel. 2,971,719.

Stoeckel, Albert L., and C. T. Zimmermann, to United States Steel Corp. Apparatus for feeding and counting billets. 2,975,969, 3-21-61, Cl. 235—98.

Stoeckel, Albert L., and C. T. Zimmermann, to United States Steel Corp. Packaging machine. 2,983,088, 5-9-61, Cl. 53—59.

Stoeckicht, Wilhelm G. Gear-mechanism with a double helical gearing. 2,982,146, 5-2-61, Cl. 74—466.

Stoeckicht, Wilhelm G. Planetary gearing with double helical gears. 3,011,365, 12-5-61, Cl. 74—801.

Stoermer, William F., to Thompson Ramo Wooldridge Inc. Pressure change indicator. 3,011,470, 12-5-61, Cl. 116—117.

Stoesser, Wesley C., and W. R. Surine, to The Dow Chemical Co. Process for the production of aspirin. 2,987,539, 6-6-61, Cl. 260—480.

Stoffel, Herman A.: *See*—
Kleinschmidt, Harry, and Stoffel. 2,973,179.

Stoffel Seals Corp.: *See*—
Stelzer, William. 3,009,276.

Stoffels, Robert E., to Automatic Electric Laboratories, Inc. Telegraph character counter. 2,990,451, 6-27-61, Cl. 178—15.

Stoffels, Robert E., R. C. Stiles, and E. A. Hilker, to Automatic Electric Laboratories, Inc. Telegraph switching system. 2,994,737, 8-1-61, Cl. 178—2.

Stoffert, Arnold C., to General Electric Co. Fluid lubrication system. 2,975,864, 3-21-61, Cl. 184—6.

Stoffey, Donald G.: *See*—
Fancher, Llewellyn W., Stoffey, Maxwell, and Menn. 2,998,347.

Stoffregen, Jurgen, and H. Oehmig, to O. H. Drager. Apparatus for removing of secretions from air ducts and lungs. 2,967,525, 1-10-61, Cl. 128—276.

Stofle, Jeanette A. Combination turban and pin tray. 2,988,747, 6-20-61, Cl. 2—174.

Stohlmann, August S. A., Jr. Soil aerator. 3,008,527, 11-14-61, Cl. 172—556.

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Stohr, Jacques A., to Commissariat a l'Energie Atomique. Method and device for arc welding. 2,970,207, 1-31-61, Cl. 219—131.

Stokely, Raymond E., to Borg-Warner Corp. Constant velocity joint. 2,986,022, 5-30-61, Cl. 64—21.

Stoker, Carl B., Jr., to The Goodyear Tire & Rubber Co. Container, package, and manufacture of package. 2,980,245, 4-18-61, Cl. 206—46.

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Stoker, Nelson D. Variable area rudder. 3,001,502, 9-26-61, Cl. 114—167.

Stokes, Charles A., and R. N. Secord, to Cabot Corp. Production of finely-divided aluminum oxide from bauxite. 3,007,774, 11-7-61, Cl. 23—143.

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Frank, Raymond G. 2,970,485.
Frank, Raymond G. 2,989,781.
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Stokes, Jacob L., M. N. Mickelson, and R. S. Flippin, to United States of America, Agriculture. Preparation of egg products. 2,989,405, 6-20-61, Cl. 99—210.

Stokes, Konrad H.: *See*—
Johnson, Justin O., Jr., and Stokes. 2,979,953.

Stokes, Konrad H., to Minneapolis-Honeywell Regulator Co. Dampening apparatus. 2,974,755, 3-14-61, Cl. 188—100.

Stokes, Morris A., and E. C. Parnell, to Bristol Siddeley Engines Ltd. Combustion system for a gas turbine engine. 2,974,487, 3-14-61, Cl. 60—39.71.

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Stolk, William, to Machine Tool Electric Corp. Electromagnetic method of sheet feed control and control devices. 2,973,959, 3-7-61, Cl. 271—18.

Stolk, William, and W. C. Holm, to Machine Tool Electric Corp. Hardness sensing device. 2,992,554, 7-18-61, Cl. 73—79.

Stolk, William, and E. E. Judge, Jr., to Machine Tool Electric Corp. Two-stage holding magnet for presses and the like. 2,992,580, 7-18-61, Cl. 83—136.

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Heckmaier, Joseph, and Stoll. 2,981,718.

Stoll, Curt, KG. Maschinen u. Apparatebau: *See*—
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Stoll, Emil, to J. I. Case Co. Wire box assembly. 2,989,172, 6-20-61, Cl. 206—1.

Stoll, Gottlieb T., to Curt Stoll KG. Maschinen u. Apparatebau. Single phase motor. 2,994,796, 8-1-61, Cl. 310—172.

Stoll, Milton L. Traffic mover apparatus. 2,997,691, 8-22-61, Cl. 340—41.

Stoll, Reiner G., and H. R. Stucki, to Celanese Corp. of America. Turbine driven false twist spindle. 2,990,674, 7-4-61, Cl. 57—77.33.

Stoll, Ulrich W., to United States of America, Navy. Hydrophobic Portland cement. 2,996,394, 8-15-61, Cl. 106—95.

Stoll, Willy G.: *See*—
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Litvan, Franz, and Stoll. 3,010,996.

Stoll, Willy G., and F. Litvan, to Geigy Chemical Corp. Anaesthetic composition. 3,012,936, 12-12-61, Cl. 167—52.

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Stolle, Anthony D., and R. B. Ellis, to International Register Co. Switch blade and mounting therefor. 2,974,212, 3-7-61, Cl. 200—166.

Stolle, Donald E., and N. O. Cross; said Stolle assor. to Standard-Vacuum Oil Co., and said Cross assor. to Esso Research and Engineering Co. Tube calipering device. 2,973,583, 3-7-61, C. 33—178.

Stoller, Arthur I., to Radio Corp. of America. Method and apparatus for preparing magnetic recording elements. 3,001,891, 9-26-61, Cl. 117—93.

Stoller, Frederick L., to Phillips Petroleum Co. Recovery of polymerization catalyst. 2,969,349, 1-24-61, Cl. 260—94.9.

Stolpen, Beulah H. Reading blocks. 2,987,833, 6-13-61, Cl. 35—71.

Stoltman, Donald D., to General Motors Corp. Throttle valve control mechanism. 2,968,476, 1-17-61, Cl. 267—1.

Stoltman, Donald D., to General Motors Corp. Altitude compensated carburetor. 3,011,770, 12-5-61, Cl. 261—39.

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Stolz, Desmond, and C. E. Letsche, to Acro-Welder Mfg. Co. Welding machine. 3,011,045, 11-28-61, Cl. 219—86.

Stolz, William J. Removable inserts for pipe passages in concrete. 2,968,855, 1-24-61, Cl. 25—128.

Stolze, Roger M., to Collins Radio Co. Pulse energy meter. 2,984,787, 5-16-61, Cl. 324—102.

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Stone, Aidan M., and J. C. Worst, to General Electric Co. Laundry machine. 3,014,591, 12-26-61, Cl. 210—144.

Stone, Albert E., to Minneapolis-Honeywell Regulator Co. Automobile air conditioning control apparatus. 2,968,471, 1-17-61, Cl. 217—284.

Stone, Barbara. Apparatus for controlling leaks in walls. 3,003,666, 10-10-61, Cl. 222—185.

Stone, Bobbie D., to Monsanto Chemical Co. Process for the production of large single crystals of boron phosphide. 3,009,780, 11-21-61, Cl. 23—204.

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Stone, Charles L. Leveling attachment for a fork lift truck. 3,010,595, 11-28-61, Cl. 214—701.

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Stone, George R., to Talon, Inc. Automatic lock slider for slide fasteners. 2,983,018, 5-9-61, Cl. 24—205.14.

Stone, Guthrie B. Rotatable lump remover. 3,011,267, 12-5-61, Cl. 34—112.

Stone, Harold C., and B. H. Schultz, to McGraw-Edison Co. Series capacitor protective systems. 2,994,014, 7-25-61, Cl. 317—12.

Stone, Herbert L., to Jersey Production Research Co. Method of increasing recovery from oil reservoirs. 2,994,372, 8-1-61, Cl. 166—7.

Stone, Herbert L., to Jersey Production Research Co. Method of increasing oil recovery. 2,994,373, 8-1-61, Cl. 166—9.

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Stone, Milton C., to General Motors Corp. Fuel control for a turbo-prop engine using operating limits of power output temperature. 2,977,756, 4–4–61, Cl. 60—39.28.
Stone, Morris D., and H. H. Talbot, to United Engineering and Foundry Co. Sheet and plate stretching apparatus. 2,971,557, 2–14–61, Cl. 153—35.
Stone, Norman E., to Allis-Chalmers Mfg. Co. Coating for sheet steel in transformer cores. 2,985,855, 5–23–61, Cl. 336—60.
Stone, Orison W., to Continental Can Co., Inc. Locking construction for paperboard cartons. 2,975,891, 3–21–61, Cl. 206—65.
Stone, Orison W., to Continental Can Co., Inc. Tear line construction for paperboard cartons. 3,004,697, 10–17–61, Cl. 229—51.
Stone, Orison W., and L. H. Campbell, to Continental Can Co., Inc. Closure for folding paperboard cartons. 2,970,741, 2–7–61, Cl. 229—41.
Stone, Orison W., and L. H. Campbell, to Continental Can Co., Inc. Dual locking construction for paperboard wrappers. 2,973,129, 2–28–61, Cl. 229—16.
Stone, Orison W., and D. P. Doran, to Continental Can Co., Inc. Package with article-holding insert suspended in an open-faced paperboard frame. 2,993,587, 7–25–61, Cl. 206—45.19.
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Stone, Robert R., Jr., to United States of America, Navy. Frequency measuring system employing frequency comparison. 2,972,108, 2–14–61, Cl. 324—79.
Stone, Robert R., Jr., to United States of America, Navy. Frequency synthesizer employing carrier and sideband selection. 2,973,483, 2–28–61, Cl. 331—38.
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Morris, Harold H., and Stone. 3,003,346.
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Stone, Walter N., and N. R. Richmond, to The Kaman Aircraft Corp. Shaft coupling. 2,997,863, 8–29–61, Cl. 64—13.
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Stoner, Arthur M., to The Jacobs Mfg. Co. Multiple-screw actuated collet chuck. 2,985,456, 5–23–61, Cl. 279—51.
Stoner, Arthur M., and G. S. Haviland, to The Jacobs Mfg. Co. Adjustable chair locking device. 2,998,281, 8–29–61, Cl. 297—374.
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Stoner, George W. and Gary W. Structural post assembly for walls. 2,998,108, 8–29–61, Cl. 189—34.
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Stoner Mudge, division of American Marietta Co.: *See*—
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Stoops, Charles E., and J. M. Day, to Phillips Petroleum Co. Irradiation of olefins and mixtures thereof with alcohols. 2,981,670, 4–25–61, Cl. 204—158.
Stoops, Charles E., and J. M. Day, to Phillips Petroleum Co. Atomic reactor. 3,007,859, 11–7–61, Cl. 204—193.2.
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Stossel, Ernest, to Argus Chemical Corp. Preparation of colloidal dispersions of fine-particle size silica hydrogel in polyols. 3,004,921, 10–17–61, Cl. 252—309.
Stossel, Ernest. Foam producing and dispensing device. 3,010,613, 11–28–61, Cl. 222—190.
Stott, Albert M., to United States of America, Army. Double acting actuator. 2,988,066, 6–13–61, Cl. 123—24.
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Stott, Albert M., and N. J. Waecker, to United States of America, Army. Controlled thrust ejection capsule rocket. 2,996,272, 8–15–61, Cl. 244—122.
Stott, Albert M., and H. A. Magnus, to United States of America, Army. Gunsight retracting thruster. 3,000,173, 9–19–61, Cl. 60—26.1.
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Stough, Gerald D., to Whitehead & Kales Co. Merchandise carrying rack having shock resistant coupling means. 2,988,018, 6–13–61, Cl. 105—369.
Stough, Gerald D., to Whitehead & Kales Co. Cargo bracing structure. 2,988,019, 6–13–61, Cl. 105—369.
Stough, Gerald D., to Whitehead & Kales Co. Cargo bracing structure. 2,988,020, 6–13–61, Cl. 105—369.
Stoughton, Raymond W., to United States of America, Atomic Energy Commission. Separation of plutonium ions from solution by adsorption on zirconium pyrophosphate. 2,970,035, 1–31–61, Cl. 23—14.5.

Stoughton, Raymond W., to United States of America, Atomic Energy Commission. Process for separating plutonium (IV) values from uranium and fission product values, e.g., zirconium and columbium, utilizing a lanthanum oxalate carrier precipitate. 3,005,681, 10–24–61, Cl. 23—14.5.
Stout, Arthur G., to Jamar-Olmen Co. Apparatus for the manufacture of paper. 2,977,686, 4–4–61, Cl. 34—114.
Stout, Ellarson R., to Curtiss-Wright Corp. Flexible coupling for drive shafting. 3,000,198, 9–19–61, Cl. 64—15.
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Stover, Ancil C., to W. A. Eisenhauer, W. P. Ellwood, and L. E. Eisenhauer, d.b.a. The Eisenhauer Mfg. Co. Hydraulic fluid system. 2,980,128, 4–18–61, Cl. 137—108.
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Stover, Emory F. Pneumatic measuring apparatus. 2,978,908, 4–11–61, Cl. 73—407.
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Stover, Harry E., to Anchor Hocking Glass Corp. Method of making a closure cap and closure cap made thereby. 2,976,200, 3–21–61, Cl. 154—89.
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Stover, Harry E., to Anchor Hocking Glass Corp. Closure cap, method of making same, and sealed package therefor. 3,005,563, 10–24–61, Cl. 215—40.
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Dubský, Bořivoj, and Straka. 2,977,790.
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Dubský, Bořivoj, and Straka. 3,011,081.
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Straley, James M., and R. R. Giles, to Eastman Kodak Co. 1-amino-2-bromo-4-arylaminoanthraquinone compounds. 2,968,661, 1–17–61, Cl. 260—377.
Straley, James M., and R. R. Giles, to Eastman Kodak Co. Anthraquinone dye compounds. 2,967,871, 1–10–61, Cl. 260—377.
Stram, Oscar B.: *See*—
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Strand Electric and Engineering Co. Ltd., The: *See*—
Bentham, Frederick P., and Leggett. 3,004,193.
Strandberg, Charles F. Method and apparatus for counting impulses. 3,003,691, 10–10–61, Cl. 235—92.
Strandberg, Malcom W. P. Power supply. 2,982,903, 5–2–61, Cl. 321—2.
Strandengen, Einar, to A/S Grorud Jernvarefabrik. Friction hinge, especially for pivot windows. 2,999,268, 9–12–61, Cl. 16—141.
Straney, Kenneth O.: *See*—
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Strang, John M., to Barr and Stroud Ltd. Rangefinders, and like optical instruments. 2,989,889, 6–27–61, Cl. 88—2.6.
Strang, Robert W. Method and apparatus for producing ore sinter. 2,980,527, 4–18–61, Cl. 75—5.
Strange, Harold O.: *See*—
Pellegrini, John P., Jr., and Strange. 2,983,678.
Pellegrini, John P., Jr., and Strange. 2,983,679.
Strange, John, Carton Co.: *See*—
Strange, William M. 2,970,738.
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Strasheim, Albertus, and E. J. Tappere, to South African Council for Scientific and Industrial Research. Apparatus for packing powders into vessels having long narrow cavities, more especially cavity electrodes for spectrochemical analysis. 2,998,036, 8–29–61, Cl. 141—72.
Strassburger, Julius H., to National Steel Corp. Apparatus for operating metallurgical furnaces. Re. 24,944, 2–28–61, Cl. 266—30.
Strassburger, Julius H., to National Steel Corp. Apparatus for operating metallurgical furnaces. 2,980,416, 4–18–61, Cl. 266—30.
Strassel, Harry K.: *See*—
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Strasser, Hans. Machines for trimming appendages or articles. 2,978,778, 4–11–61, Cl. 25—108.
Strassheim, Frederick W. Filters. 2,978,108, 4–4–61, Cl. 210—346.
Straszheim, Robert D., and K. J. Lowin, to Deere & Co. Weights and weight-mounting means for tractors and the like. 3,003,785, 10–10–61, Cl. 280—150.
Strate, Frank R. Method of hard facing metal. 2,998,322, 8–29–61, Cl. 117—22.
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Udy, Marvin J. 3,005,687.
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Stratford Engineering Corp.: *See*—
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Stratford, Herbert W., to Stratford Engineering Corp. Flash evaporator rotor. 2,990,011, 6–27–61, Cl. 159—4.
Strathearn, Donald M., and J. M. Thornbery, to Controls Co. of America. Timer. 2,995,143, 8–8–61, Cl. 137—387.
Stratman, Urban F., to The Bendix Corp. Respiratory gas flow regulators. 2,967,536, 1–10–61, Cl. 137—63.
Stratmann, Heinrich: *See*—
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Stratton, Arvin V., ⅓ to E. Stratton. Excavating tooth. 2,987,838, 6–13–61, Cl. 37—142.

Stratton, Charles A., to Phillips Petroleum Co. Hydroxylated asphalt and drilling fluid containing the same. 3,006,846, 10–31–61, Cl. 252—8.5.

Stratton, Clell T., and A. E. Sarge, to United States of America, Army. Automatic emergency alert system. 3,009,059, 11–14–61, Cl. 250—20.

Stratton, Edward B., Jr., to Nathional Cleveland Corp. Method for deep-draw vacuum forming. 2,973,558, 3–7–61, Cl. 18—56.

Stratton, Edwin J. D., and D. J. Steldinger, to Uarco, Inc. Continuous form envelopes with gummed flaps and method of making same. 2,988,969, 6–20–61, Cl. 93—61.

Stratton, Elton: *See*—
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Bauer, Robert F., and Stratton. 2,981,347.
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Stratton, Hal, to Shell Oil Co., Continental Oil Co., Superior Oil Co., and Union Oil Co. of California. Drilling. 2,999,549, 9–12–61, Cl. 175—5.

Stratton, Lawrence J., and K. M. Chirgwin, to The Siegler Corp. Alternating current generating system. 2,995,696. 8–8–61, Cl. 322—32.

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Stratton, Robert R.: *See*—
Beach, Clarence E. 3,014,645.

Straub, Albert, to Eugen Bauer G.m.b.H. Speed synchronizing arrangement for separate sound and motion picture apparatus. 2,993,406, 7–25–61, Cl. 88—16.2.

Straub, Albert, to Eugen Bauer G.m.b.H. Cinematographic projector. 3,002,423, 10–3–61, Cl. 88—17.

Straub, Frederick A.: *See*—
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Straub, Harald W., to United States of America, Army. Optical devices for producing parallel beams. 3,001,079, 9–19–61, Cl. 250—216.

Straub, Joseph E., and L. W. Hubbard, Jr., to Illinois Tool Works. Torque solenoid. 2,989,871, 6–27–61, Cl. 74—99.

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Straube, Harold M., to Bell Telephone Laboratories, Inc. Dual transistor switch. 2,994,044, 7–25–61, Cl. 332—47.

Straube, Harold M., to Bell Telephone Laboratories, Inc. Transistor bridge modulator. 3,010,079, 11–21–61, Cl. 332—47.

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Straughn, John L., and W. B. Tarpley, Jr., to Aeroprojects, Inc. Process of forming a dispersion of aerosol particles and process for coating solid particles with said dispersion. 3,009,826, 11–21–61, Cl. 117—100.

Straumann, Reinhard, to Institut Dr. Ing. Reinhard Straumann A.G. Manufacture of point bearings in instruments. 2,973,291, 2–28–61, Cl. 148—12.7.

Straus, Martin L., II, deceased; F. C. Reed, executor. Hair drying device. 2,997,792, 8–29–61, Cl. 34—95.

Straus, S. Charles, to Cincinnati Mfg. Corp. Swivel head for milling machines. 3,013,473, 12–19–61, Cl. 90—17.

Strauss, Howard J., to Electric Storage Battery Co. Jointing of metal inserts to plastic materials. 2,972,655, 2–21–61, Cl. 136—168.

Strauss, Joseph, to Trenton Times Corp. Etching machine. 2,995,850, 8–15–61, Cl. 41—9.

Strauss, Leopold: *See*—
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Strauss, Raymond C. Motor control mechanism. 2,982,382, 5–2–61, Cl. 192—3.

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Vlannes, Peppino N., and Strauss. 2,990,344.

Strauss, Walter L. Storage container record. 3,000,640, 9–19–61, Cl. 274—42.

Strauss, Wennemar, and W.-D. Willmund, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Process for the production of metal electrodeposits. 2,986,498, 5–30–61, Cl. 204—46.

Strauss, Wennemar, and W. Gündel, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Inhibited acid bath and use. 2,988,512, 6–13–61, Cl. 252—150.

Strauss, Wennemar, and H. Wedell, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Copper-electroplating baths. 3,000,800, 9–19–61, Cl. 204—52.

Strauss, William. Insulating grommet. 2,984,698, 5–16–61, Cl. 174—138.

Straussler, Nicholas P. S. Boat. 2,977,606, 4–4–61, Cl. 9—2.

Straussler, Nicholas P. S. Collapsible motor vehicle. 3,004,619, 10–17–61, Cl. 180—27.

Straw, Douglas, and C. E. Herrick, Jr., to General Aniline & Film Corp. Multicolor reproduction using light sensitive diazo oxides. 2,993,788, 7–25–61, Cl. 96—13.

Straw, Jesse H., to The Sheffield Corp. Machine tool. 2,976,772, 3–28–61, Cl. 90—1.4.

Strawn, Theodore R. Aircraft. 3,014,674, 12–26–61, Cl. 244—13.

Strayer, Arthur C. Paper board storage file. 2,990,083, 6–27–61, Cl. 220—97.

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Mankoff, Lawrence L., and Streater. 2,998,499.

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Meese, Clarence E. and R. R. 3,008,206.

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Streckfus, John G. Apparatus for covering steel covered rollers with bonded ply rubber. 2,979,107, 4–11–61, Cl. 154—1.8.

Streeck, Rolf: *See*—
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Streed, David D. M., and E. A. Luxenberger, to United States Rubber Co. Hollow molded plastic articles and method of forming the same. 2,974,373, 3–14–61, Cl. 18—59.

Street, Brian F., and W. H. Skoroszewski, to Shell Oil Co. Alpha-olefin polymers stabilized with phenyl phosphine derivatives. 2,981,716, 4–25–61, Cl. 260—45.7.

Street, Leslie J.: *See*—
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Goslin, Thomas P. 2,990,898.
Goslin, Thomas P. 2,990,937.
Kennedy, Verne C., Jr. 2,981,587.

Strehlein, Mary A. Fastener. 2,986,791, 6–6–61, Cl. 24—222.

Strehlke, Robert W. Outdoor toilet seat unit. 3,001,206, 9–26–61, Cl. 4—116.

Strehlow, Robert W., and H. P. Lanz, to Food Machinery and Chemical Corp. Process controls for sterilizers. 2,792,293, 2–21–61, Cl. 99—330.

Strehlow, Walter F., and R. Carlin, to Allis-Chalmers Mfg. Co. Vehicle power train of the quick shift type. 2,970,482, 2–7–61, Cl. 74—15.84.

Strehlow, Walter F., to Allis-Chalmers Mfg. Co. Control mechanism for tractor hydraulic system. 2,981,342, 4–25–61, Cl. 172—8.

Strehlow, William A. Method of preparing and cooking potatoes. 2,994,613, 8–1–61, Cl. 99—100.

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Streich, Paul B., Sr., to Charles Bruning Co., Inc. Apparatus for applying developer powder to photo-conductive insulating sheets. 3,003,462, 10–10–61, Cl. 118—637.

Streicher, Johann S., to Engelhard Industries, Inc. Electrical contacts. 2,985,532, 5–23–61, Cl. 75—212.

Streicher, Michael A., to E. I. du Pont de Nemours and Co. Immersion deposition of tin. 2,976,169, 3–21–61, Cl. 117—37.

Strelakos, George, Jr. Kite-dispensed toy. 3,006,586, 10–31–61, Cl. 244—155.

Streng, Alex G.: *See*—
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Stresau, Richard H., to United States of America, Navy. Electric initiator for fuze. 2,972,951, 2–28–61, Cl. 102—70.2.

Stresau, Richard H. F., to United States of America, Navy. Electric detonator. 2,981,186 4–25–61, Cl. 102—28.

Stresau, Richard H. F., and H. J. Plumley. Method and means for producing a low energy detonator. 2,986,803, 6–6–61, Cl. 29—155.5.

Stresnak, Clarence E., and N. B. Owen. Overload spring mount for shock absorbers. 3,010,714, 11–28–61, Cl. 267—8.

Stretton, Henry J., to G. D. Peters & Co., Ltd. Control means for fluid-operated engines producing rotary power. 2,990,814, 7–4–61, Cl. 121—39.

Stretton, Thomas E., and F. D. Miller, to National Distillers and Chemical Corp. Chlorination process. 2,997,508, 8–22–61, Cl. 260—660.

Streuber, Rudolf G.: *See*—
Hedberg, Carl W., and Streuber. 2,976,130.

Strick Trailers, a division of Fruehauf Trailer Co.: *See*—
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Bohlen, Charles L., Sheppard, and D'Orazio. 3,004,772.

Strick Trailers of Philadelphia, Pa., a division of Fruehaut Trailer Co.: *See*—
Abolins, Andrew. 2,972,175.
Abolins, Andrew. 2,975,933.
Abolins, Andrew. 2,981,555.

Strickel, William R., and E. E. Kihlstrum, to Johnson and Johnson. Blanks of non-woven fabrics. 2,988,468, 6–13–61, Cl. 154—46.

Stricker, George O.: *See*—
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Stricker, Henry C., Jr., to Highway Trailer Industries, Inc. Warehouseman's container. 2,998,156, 8–29–61, Cl. 220—1.5.

Strickholm, Harry, and E. L. Lincoln, Jr., to Litton Systems, Inc. Phasing mechanisms for facsimile machines and the like. 3,009,018, 11-14-61, Cl. 178—69.5.
Strickland, David O. Self-propelled row crop sprayer. 2,985,379, 5-23-61, Cl. 239—127.
Strickland, Edward T., to Brunswick Corp. Machine tool. 2,995,875, 8-15-61, Cl. 51—50.
Strickland, Edward T., H. C. Amos, and B. M. Glass; said Strickland and Amos assors. to General Analytics Associates, and said Glass assor. to The Brunswick-Balke-Callender Co. Polar wind apparatus. 2,975,987, 3-21-61, Cl. 242—2.
Strickland, Edward T., and H. C. Amos, to Philbrick-Strickland Laminates, Inc. Apparatus and method for making a hollow multi-layered article. 2,987,100, 6-6-61, Cl. 154—1.7.
Strickland, Edward T., and H. C. Amos, to Brunswick Corp. Machine tool. 2,995,874, 8-15-61, Cl. 51—50.
Strickland, John T., Jr. Skate wheel grinding machine. 3,008,275, 11-14-61, Cl. 51—129.
Strickland, Raymond I., and W. C. McCorkle, Jr., to United States of America, Army. Fin-stabilized, center-rotated rocket. 2,968,996, 1-24-61, Cl. 89—1.7.
Strickland, Royce M., to United-Greenfield Corp. Carbide drill. 2,977,828, 4-4-61, Cl. 77—67.
Strickler, Allen, to Beckman Instruments, Inc. Integrating method and apparatus. 2,967,749, 1-10-61, Cl. 346—33.
Stricklin, Frederic L., Jr., to Shell Oil Co. Apparatus for exploring drill holes. 2,986,694, 5-30-61, Cl. 324—10.
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Stringer, Richard F., C. N. Kimberlin, Jr., and F. S. McQuaid, to Esso Research and Engineering Co. Process for the dehydrogenation of hydrocarbons in the presence of sulfur dioxide and a calcium nickel phosphate catalyst. 2,971,035, 2-7-61, Cl. 260—673.5.
Stringer, Robert M.: *See*—
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Stringfellow, George S., and E. J. Emkjer, to General Dynamics Corp. Parallel digital to A.C. analog converter. 2,970,308, 1-31-61, Cl. 340—347.
Strinning, Nils E. Suspension fittings. 3,002,631, 10-3-61, Cl. 211—153.
Striplin, Charles D., to Fibreboard Paper Products Corp. Machine for closing carton lids. 2,971,443, 2-14-61, Cl. 93—36.
Striplin, Marcus M., Jr., D. McKnight, and E. C. Marks, to Tennessee Valley Authority. Manufacture of superphosphoric acid. 2,999,010, 9-5-61, Cl. 23—165.
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Strobel, Albert F., and S. C. Catino, to General Aniline & Film Corp. Stilbene monotriazole brightening agents. 2,993,892, 7-25-61, Cl. 260—240.
Strobel, Arthur J., to Eltic, Inc. Elapsed time speed check arrangement. 2,978,863, 4-11-61, Cl. 58—145.
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Weber, Victor, and Strobel. 2,989,611.
Strobel, Charles K., to Robertshaw-Fulton Controls Co. Control device for clothes drier. 2,974,421, 3-14-61, Cl. 34—45.
Strobel, Charles K., to Robertshaw-Fulton Controls Co. Domestic appliance control. 2,993,974, 7-25-61, Cl. 219—20.
Strobel, Charles K., and R. T. Kimmell, to Robertshaw-Fulton Controls Co. Temperature responsive control. 2,971,074, 2-7-61, Cl. 219—20.
Strobel, Charles K., and V. Weber, to Robertshaw-Fulton Controls Co. Temperature control device. 2,988,140, 6-13-61, Cl. 158—144.
Strobel, Charles K., and G. F. Conner, to Robertshaw-Fulton Controls Co. Thermal relay. 3,003,086, 10-3-61, Cl. 317—132.
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Stroburg, John V. and G. O. Press roll twine guard for roll-type balers. 2,975,700, 3-21-61, Cl. 100—5.
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Hilker, Eugene B., Cowles, Stroh, and Fleming. 2,980,069.
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Seydel, Robert, Unterstenhöfer, and Stroh. 2,998,348.
Stroh, Rudolf, W. Sutter, A. R. Heinz, and H. Haberland, to Farbenfabriken Bayer Aktiengesellschaft. Process for the polymerization of unsaturated compounds, using a borazane catalyst. 2,973,337, 2-28-61, Cl. 260—45.4.
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Stroh, Walter J., to Zenith Radio Corp. Synchronizing-signal separator. 3,001,014, 9-19-61, Cl. 178—7.3.
Stroh, William P. Apparatus for making skinless cocktail sausages. 2,980,949, 4-25-61, Cl. 17—34.
Strohm, Harold G., to Production Specialists. Foam generating devices. 2,967,698, 1-10-61, Cl. 261—76.
Strohmeier, Harald, and W. Mader, to Gebr. Bohler & Co. Aktiengesellschaft. Coated welding electrode for electric arc welding. 3,004,873, 10-17-61, Cl. 117—204.
Strom, Albert P., and W. H. Fischer, to Westinghouse Electric Corp. Circuit breaker. 3,008,017, 11-7-61, Cl. 200—82.
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Stroman, Larry J., to Dresser Industries, Inc. Stabilized power supply. 2,999,972, 9-12-61, Cl. 323—44.
Stroman, Lawrence E. Mechanical cotton defoliator and topper. 2,977,741, 4-4-61, Cl. 56—25.4.
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Schlau, Floyd E. 3,000,573.
Schlau, Floyd E. 3,000,999.
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Stromberg, David E. 3,006,209.
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Stromberg, Verner L., to Petrolite Corp. Process of preventing deposits in internal combustion and jet engines employing additives. 2,993,771, 7-25-61, Cl. 52—.5.
Stromberg, Verner L., to Petrolite Corp. Acid additives. 2,993,772, 7-25-61, Cl. 52—.5.
Stromberg, Verner L., to Petrolite Corp. Ester additives. 2,993,773, 7-25-61, Cl. 52—.5.
Stromberg, Verner L., and W. B. Hughes, to Petrolite Corp. Urethanes. 2,987,515, 6-6-61, Cl. 260—256.4.
Stromblad, Elmer S. Hens' nests. 2,975,759, 3-21-61, Cl. 119—50.
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Strong, Edward W., A. J. Pappas, A. M. Losey, and G. G. Clewlow, to Gyrodyne Co. of America, Inc. Rotor control system for helicopter. 2,980,186, 4-18-61, Cl. 170—135.26.
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Stroup, Earl L., and K. M. Christensen, to Overhead Door Corp. Upwardly acting door and sections therefor. 2,978,021, 4–4–61, Cl. 160—191.

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Struble, Glenn E., to Diamond National Corp. Carton with reclosing pour spout. 2,974,846, 3–14–61, Cl. 229—17.

Struble, Glenn E., to Diamond National Corp. Cartons. 2,974,851, 3–14–61, Cl. 229—40.

Struble, Glenn E., to Diamond National Corp. Easily opened and reclosed carton. 2,974,853, 3–14–61, Cl. 229—51.

Struble, Glenn E., to Diamond National Corp. Accordion style bottom fold carrier. 2,998,900, 9–5–61, Cl. 220—113.

Struble, Glenn E., to Diamond National Corp. Carrier carton. 3,011,677, 12–5–61, Cl. 220—113.

Struck, Horace. Combination hog farrowing feeder and waterer. 2,972,979, 2–28–61, Cl. 119—51.5.

Struckhoff, Henry V. Stock feeder. 3,004,518, 10–17–61, Cl. 119—58.

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Stuart, Archibald P., to Sun Oil Co. Oxidation of petroleum fractions. 2,977,310, 3–28–61, Cl. 252—55.

Stuart, Archibald P., to Sun Oil Co. Polymerization of olefins. 2,980,664, 4–18–61, Cl. 260—93.7.

Stuart, Archibald P., to Sun Oil Co. Separation of dihydronaphthalene isomers. 2,983,769, 5–9–61, Cl. 260—674.

Stuart, Archibald P., to Sun Oil Co. Polymerization of olefins. 2,996,493, 8–15–61, Cl. 260—93.7.

Stuart, Archibald P., and H. M. Khelkhatian, to Sun Oil Co. Method of preparing polypropylene with a subchloride of zirconium or titanium activated by mono alkyl aluminum dihalide. 2,967,206, 1–3–61, Cl. 260—683.15.

Stuart, Archibald P., and J. L. Jezl, to Sun Oil Co. Hydrogenation of olefins. 2,983,770, 5–9–61, Cl. 260—677.

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Stuart, Joseph, III, to Hiller Aircraft Corp. Propeller blade. 2,981,337, 4–25–61, Cl. 170—159.

Stuart, Joseph III, to Hiller Aircraft Corp. Helicopter torque control device. 3,000,445, 9–19–61, Cl. 170—135.22.

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Studer, Paul A., and J. S. Milazzo, to General Aniline & Film Corp. Preparation of vat dyestuffs of the naphthoylene diarylimidazol series. 2,993,902, 7–25–61, Cl. 260—282.
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Sucetti, Glenn. Dry plaster mix comprising aggregate, clay, cellulose derivative and amine aldehyde resin. 2,993,016, 7–18–61, Cl. 260—15.
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Suchow, Lawrence, to Francis Earle Laboratories, Inc. Light-stable bismuth oxychloride nacreous pigment and method of preparing same. 2,974,053, 3–7–61, Cl. 106—187.
Suchow, Lawrence, to Francis Earle Laboratories, Inc. Nacreous iron oxide pigment and method of preparation. 2,989,411, 6–20–61, Cl. 106—193.
Suchoza, Bernard P., and J. K. Perhacs, to United States of America, Atomic Energy Commission. Multi-port valve. 3,005,467, 10–24–61, Cl. 137—625.11.
Suckfull, Fritz: *See*—
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Suckow, William B. Static electricity device. 2,969,484, 1–24–61, Cl. 317—2.
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Jakimiuk, Wslewolod J., and Scoazec. 2,980,368.
Marchetti, Charles J., and Tresch. 3,002,710.
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Sudarsky, Jerry M., and R. A. Fisher, to Bioferm Corp. Process for preparing bioflavonoids. 2,984,601, 5–16–61, Cl. 195—7.
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Showalter, Robert N., De Long, and Suderow. 2,976,693.
Suderow, George E., to De Long Corp. Self-energizing mechanical grippers and wedging ring assembly. 2,970,445, 2–7–61, Cl. 61—46.5.
Suderow, George E., to De Long Corp. Deep water mobile marine platform. 2,970,446, 2–7–61, Cl. 61—46.5.
Suderow, George E., to Delong Corp. Method of constructing and setting a caisson for a bridge pier or the like support. 2,972,234, 2–21–61, Cl. 61—52.
Suderow, George E., to De Long Corp. Mobile breakwater. 2,976,692, 3–28–61, Cl. 61—5.
Suderow, George E., to De Long Corp. Internal and external jack assembly for telescopic caissons. 2,984,075, 5–16–61, Cl. 61—46.5.
Suderow, George E., to De Long Corp. Apparatus and method for erecting a supporting structure over a body of water. 2,997,852, 8–29–61, Cl. 61—46.5.
Suderow, George E., to Delong Corp. Method and apparatus for testing pipe joint. 3,000,205, 9–19–61, Cl. 73—46.
Suderow, George E., to De Long Corp. Off-shore drilling barge. 3,001,593, 9–26–61, Cl. 175—9.
Suderow, George E., to De Long Corp. Off-shore drill rig. 3,001,594, 9–26–61, Cl. 175—9.
Suderow, George E., to De Long Corp. System for erecting a marine platform. 3,007,317, 11–7–61, Cl. 61—465.
Suderow, George E., to De Long Corp. Convertible floating barge and working platform assembly for marine operations. 3,013,396, 12–19–61, Cl. 61—46.5.
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Sudholz, Louis H., to Socony Mobil Oil Co. Metalworking lubricant. 2,993,858, 7–25–61, Cl. 252—32.7.
Suffern, Marc W.: *See*—
Julian, Sanforo. 3,001,530.
Sugalski, Alfred A., S. L. Williams, and W. F. Mathewson, Jr., to United States of America, Navy. High temperature analytical filter. 2,979,207, 4–11–61, Cl. 210—193.
Sugalski, Alfred A., S. L. Williams, and W. F. Mathewson, Jr., to United States of America, Navy. High temperature analytical filter. 3,004,671, 10–17–61, Cl. 210—445.
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Hass, Henry B. 2,970,142.
Hass, Henry B., Snell, Osipow, and York. 2,970,962.
Sugarman, Meyer L., Jr., to Radio Corp. of America. Electrostatic printing. 2,993,787, 7–25–61, Cl. 96—1.
Sugden, George H., to Henry Simon, Ltd. Combined material scraper and air current diverter for cereal grinding roller mills. 2,991,019, 7–4–61, Cl. 241—112.
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Sugimoto, Kasuke. Apparatus for the correction of displaced spondyls. 3,001,523, 9–26–61, Cl. 128—49.
Sugino, Kiichiro, K. Odo, and E. Ichikawa. Method of producing calcium-free crystalline cyanamide. 2,982,616, 5–2–61, Cl. 23—190.
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Suhrmann, Robert, to North American Philips Co., Inc. Circuit arrangement for re-introducing the direct current component of a video signal. 3,003,028, 10–3–61, Cl. 178—7.3.
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Sulich, John, Jr., and C. Botkin, to General Aniline & Film Corp. Process of producing diazotype paper. 2,993,803, 7–25–61, Cl. 117—34.
Sulkin, Maurice A., G. W. Campbell, and L. C. Young, to North American Aviation, Inc. Asymmetrically variable supersonic inlet system. 2,969,939, 1–31–61, Cl. 244—53.
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Suller, William J., and J. M. Fernandez, ½ to E. L. Reynolds. Automatic transmission gear selector safety device. 2,970,679, 2–7–61, Cl. 192—4.
Sullivan, Anthony F. Method of making grooved rings. 2,966,741, 1–3–61, Cl. 29—558.
Sullivan, Boetius H., Jr., to National Lead Co. Journal stop mechanism. 3,011,836, 12–5–61, Cl. 308—38.
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Sullivan, Charles F., to Fairchild Data Devices Corp. High speed motion picture camera. 2,980,306, 4–18–61, Cl. 226—86.
Sullivan, Charles J. Electrical educational testing and scoring system. 3,003,259, 10–10–61, Cl. 35—48.
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Sullivan, George C. Method of making a gun barrel. 2,990,342, 6–27–61, Cl. 204—26.
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Sullivan, Herbert W. High power amplifier. 3,011,025, 11–28–61, Cl. 179—1.
Sullivan, Hetty B. Collapsible container. 3,005,992, 10–31–61, Cl. 4—110.
Sullivan, James D., to A. O. Smith Corp. Glass coated steel structure and method of making the same. 2,976,171, 3–21–61, Cl. 117—53.
Sullivan, James D., to A. O. Smith Corp. Glass coated steel article and method of making the same. 2,980,553, 4–18–61, Cl. 117—70.

Sullivan, James F., and V. J. Lique, to International Instruments, Inc. Inductive type sensing and control system. 2,967,278, 1–3–61, Cl. 331—65.
Sullivan, John F., J. Cording, Jr., and M. J. Willard, Jr., to United States of America, Agriculture. Process of producing dehydrated mashed potatoes. 3,012,897, 12–12–61, Cl. 99—207.
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Sullivan, Norman M., to The Alvey-Ferguson Co. Brake system for a roller type conveyor. 2,979,177, 4–11–61, Cl. 193—35.
Sullivan, Paul A., to Raytheon Co. Pulse position modulation systems. 2,971,169, 2–7–61, Cl. 332—9.
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Sullivan, Raymond P., to Union Carbide Corp. Electric arc working. 3,002,084, 9–26–61, Cl. 219—127.
Sullivan, Richard A., to Western Electric Co., Inc. Crystal growing apparatus. 2,994,593, 8–1–61, Cl. 23—273.
Sullivan, Robert E., to The Anaconda Co. Production of superphosphate fertilizers. 3,006,754, 10–31–61, Cl. 71—41.
Sullivan, Timothy J., to Sullivan Valve and Engineering Co. Two-stage single diaphragm valve. 2,973,935, 3–7–61, Cl. 251—30.
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Sulmer, Fred U., to Westinghouse Electric Corp. Gyro erection cut-out method. 2,969,683, 1–31–61, Cl. 74—5.41.
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Summerfield, John M., to United States Gypsum Co. Process and apparatus for producing plasterboard. 2,985,219, 5–23–61, Cl. 154—1.
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Summerlin, Frederick A., and B. H. Arkell, to The Sperry Gyroscope Co. Ltd. Helicopter air speed measuring instrument. 2,986,933, 6–6–61, Cl. 73—181.
Summerlin, Frederick A., and R. Hadekel, to The Sperry Gyroscope Co. Ltd. Control apparatus for aircraft. 3,003,719, 10–10–61, Cl. 244—76.
Summerlin, Frederick A., and H. J. C. Weighell, to The Sperry Gyroscope Co. Ltd. Contour-following machine. 3,007,375, 11–7–61, Cl. 90—62.
Summerlin, Frederick A., to The Sperry Gyroscope Co. Ltd. Automatic control devices for aircraft. 3,007,657, 11–7–61, Cl. 244—77.
Summers, Claude R., Jr., to Gulf Oil Corp. Fuel oil compositions containing anti-microbial agents. 2,975,042, 3–14–61, Cl. 44—56.
Summers, Donald C., to The Key-Tag Checking System Co. Laundry identification equipment. 3,003,267, 10–10–61, Cl. 40—19.5.
Summers, Erwin R., to General Electric Co. Method of casting squirrel cage rotors. 2,996,773, 8–22–61, Cl. 22—200.5.
Summers, Harold W., to Clifford Machine Tools Ltd. Means for feeding elongated work pieces to and/or from a centreless grinding machine. 3,011,290, 12–5–61, Cl. 51—103.
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Sund, Fred. Rock picker with overload and clearance release. 2,995,194, 8-8-61, Cl. 171—63.

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Sunday, William, to Super Mold Corp. of California. Latch unit for inside curing rims. 2,985,917, 5-30-61, Cl. 18—43.

Sundberg, Alfred A., to The Bendix Corp. Direct reading dynamometer. 2,978,901, 4-11-61, Cl. 73—136.

Sundberg, Carl W., to Whirlpool Corp. Vacuum cleaner. 2,975,460, 3-21-61, Cl. 15—323.

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Sundberg, Olle M. Orthopedic walking appliance. 2,981,312, 4-25-61, Cl. 155—22.

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Sunden, Olof, Sönnerskog, Sunden, and Larsson. 2,967,086.

Sunden, Olof, S. H. Sönnerskog, N. B. Sunden, and H. E. Larsson, to Stockholms Superfosfat Fabriks Aktiebolag. Process of wet-spinning fibers containing polyacrylonitrile. 2,967,085, 1-3-61, Cl. 18—54.

Sunden, Olof, S. H. Sönnerskog, N. B. Sunden, and H. E. Larsson, to Stockholms Superfosfat Fabriks Aktiebolag. Process of wet-spinning fibers containing polyacrylonitrile. 2,967,086, 1-3-61, Cl. 18—54.

Sunden, Olof, and E. M. Sorvik, to Stockholms Superfosfat Fabriks Aktiebolag. Method of preparing an acrylonitrile polymer interlinked by a metal alcoholate, composition thereof, and filament therefrom. 2,970,977, 2-7-61, Cl. 260—30.8.

Sunden, Olof, and S. B. Stenemur, to Stockholms Superfosfat Fabriks Aktiebolag. Copolymers of acrylonitrile and sulfopropronyl substituted amides. 3,012,015, 12-5-61, Cl. 260—79.3.

Sunderland, George B., to American Cyanamid Co. Method of making cellular furane ring compound modified urea-formaldehyde condensates and articles obtained thereby. 3,006,871. 10-31-61, Cl. 260—2.5.

Sundholm, Edwin P. Multi-fill grease gun. 2,978,151, 4-4-61, Cl. 222—386.5.

Sundholm, Norman K., and W. L. Hubbard, to United States Rubber Co. Method of killing algae. 2,990,810, 9-12-61, Cl. 210—64.

Sundin, Anders E., to Hydrauliska Industri Aktiebolaget. Lever beam of a loading apparatus. 2,998,143, 8-29-61, Cl. 212—35.

Sundquist, Arvid M., to A. M. and E. V. Sundquist, d.b.a. Reliance Tool and Die Works. Quiver. 3,010,502, 11-28-61, Cl. 150—1.5.

Sundquist, Edward V.: *See*—
Sundquist, Arvid M. 3,010,502.

Sunds Verkstader Aktiebolag: *See*—
Frykhult, Rune H. 3,014,589.

Sundstrand Corp.: *See*—
Buck, Norton B. 2,987,681.
Chrzanowski, Richard S., and Walker. 2,986,097.
Erikson, Evans W. 3,007,448.
Hann, Melvin M. 2,986,896.
Holzl, Robert A. 2,993,768.
Swanson, Fred R., and Erikson. 2,968,965.
Swanson, Walter S., Hutchinson, and Bert. 2,969,001.
Zwick, Eugene B. 2,999,358.

Sundstrand, Oscar J., to Victor Adding Machine Co. Printing calculating machine. 2,984,412, 5-16-61, Cl. 235—60.2.

Sundstrom, Clemens E. Package with immobilizing filler. 3,010,570, 11-28-61, Cl. 206—42.

Sundt, Edward V. Rotator mechanism for antennas or the like. 2,966,811, 1-3-61, Cl. 74—804.

Sundt, Edward V., to Sundt Engineering Co. Time delay fuse. 2,974,208, 3-7-61, Cl. 200—131.

Sundt, Edward V. Motor driven speed reducer. 2,991,665, 7-11-61, Cl. 74—805.

Sundt, Edward V. Clockwork mechanism. 3,011,304, 12-5-61, Cl. 58—26.

Sundt Engineering Co.: *See*—
Sundt, Edward V. 2,974,208.

Sundt, Hans E.: *See*—
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Sundt, Peter C.: *See*—
Mize, Doyle D., Sundt, and Drews. 2,980,885.

Sung, Chien-Bor: *See*—
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Johnson, Maurice V., Jr., and Savage. 2,987,991.
McDonald, Michael J. 3,003,232.
Stevens, Jesse W. 2,970,948.
Swisher, Horton E. 2,976,159.

Sunnen, Joseph. Measuring instrument. 3,002,284, 10-3-61, Cl. 33—164.

Sunnen, Joseph. Stroking device. 3,009,446, 11-21-61, Cl. 121—41.

Sunstein, David E. Index signal system for cathode ray tube and method. 3,013,113, 12-12-61, Cl. 178—5.4.

Sunstrand Corp.: *See*—
Swanson, Fred R. and W. S., and Nordstrom. 3,010,348.
Tomell, Paul M. 3,010,405.

Sunter, Thomas C.: *See*—
Ellas, David G., Sunter, Scott, and Simon. 2,990,063.

Sunukjian, Haig, to James Haig, Inc. Interengaging wall units. 3,012,377, 12-12-61, Cl. 50—184.

Sunvic Controls Ltd.: *See*—
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Suomi, Verner E.: *See*—
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Suominen, Lauri L. E. Tire for vehicle wheels. 3,001,568, 9-26-61, Cl. 152—209.

Suozzi, Joseph J., to United States of America, Navy. Biased-rectifier control of magnetic amplifiers. 2,972,714, 2–21–61, Cl. 323—89.
Suozzo, Leonard S., to Bergen Pipesupport Corp. Combined support and shock absorber for piping and the like. 2,979,297, 4–11–61, Cl. 248—54.
Suozzo, Leonard S., to Bergen Pipesupport Corp. Sway brace for piping. 2,981,511, 4–25–61, Cl. 248—54.
Suozzo, Leonard S., to Bergen Pipesupport Corp. Floor type spring support. 3,000,600, 9–19–61, Cl. 248—54.
Suozzo, Salvador. Television brightener. 2,981,952, 4–25–61, Cl. 343—820.
Super-Cut, Inc.: *See*—
Hoerer, Martin. 2,990,828.
Miller, Harold C. 2,996,061.
Miller, Harold C. 3,003,493.
Superior Concrete Accessories, Inc.: *See*—
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Burski, Leonard J. G. 2,994,815.
Carpenter, William P. 2,976,477.
Carpenter, William P. 2,976,481.
Fredrickson, Gustav O. 2,982,872.
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Bauer, Robert F., and Stratton. 3,012,610.
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Stratton, Hal. 2,999,549.
Superior Plastics Inc.: *See*—
Bezark, Richard S. 2,995,833.
Bezark, Richard S. 3,009,265.
Bezark, Richard S. 3,009,267.
Superior Railway Products Corp.: *See*—
Pennington, William A. 2,993,219.
Superior Standards Mfg. Co. of Texas: *See*—
Grooms, Elic L., Jr. 2,998,003.
Superior Steel Corp.: *See*—
Jones, Joseph H. 3,001,059.
Superior Switchboard & Devices Co., The: *See*—
Berndt, Arthur A. 2,988,727.
Superior Tank Corp.: *See*—
Propst, James P., III. 2,975,978.
Superior Tube Co.: *See*—
Bounds, Ardrey M., and Hoff. 2,975,050.
Superior Valve and Fittings Co.: *See*—
Yocum, William C. 2,986,372.
Supermarket Metal Products, Inc.: *See*—
Markau, Harry R. 2,966,772.
Super Mold Corp. of California: *See*—
Bowen, Silas M. 3,005,619.
Duerksen, Arnold. 2,977,092.
Eriksen, Merrill K. 2,968,469.
Fannen, John J. 2,970,346.
Fannen, John J. 2,981,977.
Glynn, Edwin A. 3,004,587.
Roesch, Ernst. 2,985,231.
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Sunday, William. 2,985,917.
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Todd, Hoyt H. 2,985,551.
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Supinger, William M. Filter system and cartridge. 2,988,225, 6–13–61, Cl. 210—439.
Supiro, Lester D. Method of rapidly producing metallic powders of high purity. 2,987,392, 6–6–61, Cl. 75—90.
Supitilov, Michael C., to Du Kane Corp. Transducer. 2,974,204, 3–7–61, Cl. 179—115.5.
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Surbatovich, Milo, to Dresser Industries, Inc. Formation sampler. 2,976,940, 3–28–61, Cl. 175—4.
Surcouf, John. Fishing line retrievers. 3,010,240, 11–28–61, Cl. 43—17.2.
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Surf Chemical Inc.: *See*—
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Roe, David E. 3,012,657.
Surface Chemical Development Corp.: *See*—
Aberegg, David C. 2,978,428.
Aberegg, David C. 2,988,454.
Surface, Gardner A. Gun rack. 2,998,885, 9–5–61, Cl. 211—64.
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Surtees, Howard. Apparatus for guided missiles. 2,971,437, 2–14–61, Cl. 89—1.7.
Surtees, Howard, J. I. Lattey, and W. J. Redstone, to Vickers-Armstrongs (Aircraft) Ltd. Flight control mechanisms for aircraft. 2,993,666, 7–25–61, Cl. 244—78.
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Schmidt, Maximilian P., and Süs. 2,994,608.
Schmidt, Maximilian P., and Sus. 2,995,442.
Süs, Oskar, and M. Glos, to Keuffel & Esser Co. Diazotype reproduction process. 2,974,042, 3–7–61, Cl. 96—49.
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Suss, Arnold, to Escher Wyss Aktiengesellschaft. Adjusting device for water turbine guide apparatus. 3,007,675, 11–7–61, Cl. 253—31.
Susskind, Charles, to The Regents of the University of California. Beam control device. 2,975,317, 3–14–61, Cl. 313—87.
Sussman, Henri. Stretcher, particularly for shoe straps. 2,987,790, 6–13–61, Cl. 24—71.
Sussman, Martin N.: *See*—
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Sussman, Martin V.: *See*—
Breen, Alvin L., and Sussman. 2,997,837.
Breen, Alvin L., and Sussman. 3,009,309.
Sussman, Samuel and Lena Trust Foundation, The: *See*—
Dobrick, Leonard A. 3,009,862.
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Reicheneder, Franz, Suter, and Dury. 2,989,542.
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Abs, Alfred J., and Suter. 3,009,355.
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Sutherland, Charles A., to Nova Beaucage Mines Ltd. Process for the production of metal chlorides. 3,006,722, 10–31–61, Cl. 23—87.
Sutherland, Donald M., H. Proctor, J. K. Jobbins, and E. A. White, to Metropolitan-Vickers Electrical Co., Ltd., and United Kingdom Atomic Energy Authority. Winch apparatus for use in nuclear reactors. 2,985,431, 5–23–61, Cl. 254—168.
Sutherland, Gail R., to Deere & Co. Shaft coupling. 2,997,320, 8–22–61, Cl. 287—118.
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Sutherland, James W., and A. O. Allen, to United States of America, Atomic Energy Commission. Radiolysis of organic compounds in the adsorbed state. 3,002,911, 10–3–61, Cl. 204—154.
Sutherland, Leslie H., and E. F. Schoenbrunn, to Escambia Chemical Corp. Method for separation of acids. 2,988,425, 6–13–61, Cl. 23—157.
Sutherland, Lyndon C. Physician's examination hand mitt. 2,976,540, 3–28–61, Cl. 2—161.
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Sutters, Michael J., to D. Napier & Son Ltd. Rotors for multi-stage axial flow compressors or turbines. 2,988,324, 6–13–61, Cl. 253—39.

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Suttie, Andrew D., Jr., to Esso Research and Engineering Co. Apparatus for radiation promoted processes. 2,992,980, 7–18–61, Cl. 204—193.

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Sutton, John R. Offshore equipment supports and methods of operating same. 2,979,911, 4–18–61, Cl. 61—46.5.

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Sutton, Robert W., S. G. Woodward, and C. A. Hartman, to The Bendix Corp. Fuel injection system. 2,980,090, 4–18–61, Cl. 123—119.

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Sutton, Walter T., Jr., to Nytronics, Inc. Electrical winding construction. 3,014,190, 12–19–61, Cl. 336—92.

Sutton, William L., ½ to L. Rado. Time controlled automatic engine starter. 2,991,370, 7–4–61, Cl. 290—38.

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Granqvist, Carl-Erik. 2,994,046.
Granqvist, Carl-Erik. 2,998,751.
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Svenson, Ernest J., ½ to Odin Corp., and ½ to W. F. and J. Barnes Co. Machine tool actuating means. 2,992,614, 7–18–61, Cl. 103—38.

Svensson, Emil L., J. O. Hamby, and R. F. Higby, to Westinghouse Electric Corp. Combined infrared-radar antenna. 2,972,743, 2–21–61, Cl. 343—838.

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Svensson, Gustav, to H. Vorkauf. Water tube boiler. 2,993,481, 7–25–61, Cl. 122—406.

Svensson, Nils V. Method and equipment for shipbuilding. 3,011,252, 12–5–61, Cl. 29—429.

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Svensson, Svante H., to LKB-Produkter Fabriksaktiebolag. Refractometers for liquids and gases. 2,982,168, 5–2–61, Cl. 88—14.

Svensson, Sven-Erik V., to AB Byggforbattring. Method of erecting a steel storage tank and the like. 2,984,898, 5–23–61, Cl. 29—429.

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Swallow, Roland, ½ to M. E. Swallow. Automobile cover. 2,992,649, 7–18–61, Cl. 135—1.

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Swanda, Howard F., and R. L. Brannan. Exercising machine. 2,969,060, 1–24–61, Cl. 128—25.

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Swanson, Albert S., and H. J. Kimmerle, to G. H. Tennant Co. Power sweeper. 2,972,159, 2–21–61, Cl. 15—340.

Swanson, Arden E., to The Day Co. Air filter. 2,974,748, 3–14–61, Cl. 183—57.

Swanson, Arthur, to Poole Foundry & Machine Co. Shear pin unit for flexible coupling. 2,969,661, 1–31–61, Cl. 64—28.

Swanson, Arthur M.: *See*—
Carlson, Edwin E., Plagge, and Swanson. 3,013,881.

Swanson, Bror W., V. S. Jamilkowski, and J. Grzywna. Thread comparator. 3,009,253, 11–21–61, Cl. 33—199.

Swanson, Carl A. Speaker construction. 3,014,996, 12–26–61, Cl. 179—115.5.

Swanson, Carl A. Speaker construction. 3,014,997, 12–26–61, Cl. 179—115.5.

Swanson, David H.: *See*—
Jerman, Ralph B., and Swanson. 3,014,553.
Swanson, Donald F.: *See*—
Ayres, Russell W., and Swanson. 2,995,905.
Swanson, Donald F., and E. J. Buzicky, to Whirlpool Corp. Tandem plate automatic ice cube maker. 2,999,369, 9–12–61, Cl. 62—320.
Swanson, Earnest F. Heat responsive switches. 3,001,052, 9–19–61, Cl. 200—138.
Swanson, Edward W., to Admiral Corp. Camming mechanism. 2,988,932, 6–20–61, Cl. 74—568.
Swanson, Elmer G., and R. L. Reid, to St. Regis Paper Co. Panel folder. 2,995,290, 8–8–61, Cl. 229—33.
Swanson, Elmer G., and R. L. Reid, to St. Regis Paper Co. Spacer. 2,995,291, 8–8–61, Cl. 229—42.
Swanson-Erie Corp.: *See*—
Merchant, Chester O. 2,990,940.
Merchant, Chester O. 3,005,474.
Swanson, Floyd A., to National Automatic Tool Co., Inc. Honing apparatus. 3,013,363, 12–19–61, Cl. 51—34.
Swanson, Fred R., and C. F. Erikson, to Sundstrand Corp. Drive with anti-backlash means. 2,968,965, 1–24–61, Cl. 74—409.
Swanson, Fred R. and W. S., and G. L. Nordstrom, to Sundstrand Corp. Lathes. 3,010,348, 11–28–61, Cl. 82—2.5.
Swanson, George J.: *See*—
Hennessey, Walter F., Jr., and Swanson. 2,984,811.
Swanson, Gordon R., and P. W. Wozena, to General Motors Corp. Flush type vehicle window. 2,979,327, 4–11–61, Cl. 268—124.
Swanson, Herbert F., to General Electric Co. Pressure cooker closure. 2,966,999, 1–3–61, Cl. 220—25.
Swanson, John A., and P. V. Horton, to International Business Machines Corp. Photovoltaic cell. 2,986,591, 5–30–61, Cl. 136—89.
Swanson, John L., to United States of America, Atomic Energy Commission. Dissolution of zirconium and alloys thereof. 2,992,067, 7–11–61, Cl. 23—14.5.
Swanson, John L. Land packer. 2,991,836, 7–11–61, Cl. 172—545.
Swanson, Kenneth P., to Progressive Engineering, Inc. Top roll assembly. 3,003,196, 10–10–61, Cl. 19—131.
Swanson, Leonard W., to Arthur Andersen & Co. Calculator 2,996,246, 8–15–61, Cl. 235—83.
Swanson, Nils H., to Western Electric Co., Inc. Device for stacking articles punched from strip stock. 3,014,601, 12–26–61, Cl. 214—8.
Swanson, Norman F.: *See*—
Brownlee, Robert L., and Swanson. 3,008,282.
Swanson, Oscar A.: *See*—
La Bombard, Emerson H., and Swanson. 2,972,274.
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Barry, Philip H., and Swanson. 3,008,005.
Swanson, Vernon E., to Diamond National Corp. Hand set-up carton. 2,974,849, 3–14–61, Cl. 229—28.
Swanson, Vernon E., to Diamond National Corp. Egg carton. 2,995,289, 8–8–61, Cl. 229—28.
Swanson, Victor T., to Wire Machinery Corp. of America, Inc. Track-laying capstan. 2,983,417, 5–9–61, Cl. 226—172.
Swanson, Walter S.: *See*—
Swanson, Fred R. and W. S., and Nordstrom. 3,010,348.
Swanson, Walter S., D. A. Hutchinson, and P. M. Bert, to Sundstrand Corp. Milling and centering machine. 2,969,001, 1–24–61, Cl. 90—59.
Swanson, Willard S.: *See*—
Prasky, Charles, and Swanson. 3,005,690.
Swanson, William C.: *See*—
Middendorf, Eugene H., Swanson, and Bowen. 3,014,467.
Swanstrom, Amol H.: *See*—
Coker, Theodore R., and Swanstrom. 2,985,736.
Swanton, William L.: *See*—
Adams, Francis V., and Swanton. 2,992,413.
Swarn Co.: *See*—
Swanser, Frank H. 3,000,171.
Swart, Emanuel A.: *See*—
Singher, Heron O., and Swart. 2,995,494.
Swart, Gilbert H.: *See*—
Pfau, Emert S., Swart, and Weinstock. 2,993,023.
Pfau, Emert S., Swart, and Weinstock. 2,999,822.
Swart, Karel, to Shell Oil Co. Soot recovery. 2,967,588, 1–10–61, Cl. 183—120.
Swart, Richard H., Jr., to Carrier Corp. Heat pump defrost control. 2,988,896, 6–20–61, Cl. 62—156.
Swart, Richard H., Sr.: *See*—
Arzberger, William A., Swart, and Rauscher. 3,010,379.
Swartout, Willson C., to Westinghouse Electric Corp. Speed sensing circuits. 2,989,678, 6–20–61, Cl. 318—461.
Swartout, Willson C., to Westinghouse Electric Corp. Subharmonic generator circuit. 2,993,162, 7–18–61, Cl. 321—69.
Swarts, Richard E., and B. V. Tiblin, to Sperry Rand Corp. Erection cutoff apparatus. 2,973,651, 3–7–61, Cl. 74—5.41.
Swarts, William A.: *See*—
Feuer, Henry, and Swarts. 2,981,750.
Feuer, Henry, and Swarts. 2,987,549.
Swartwood, Ira T.: *See*—
Jennings, Webb C., Swartwood, and Sampson. 3,000,527.
Swartz, Dorothy J.: *See*—
Birney, Arthur A., Prettyman, Semmes, and Swartz. 2,983,069.
Swartz, Henry D. Collapsible containers. 2,989,226, 6–20–61, Cl. 229—41.
Swartz, John H., to Linear Inc. Method for automatic molding. 2,980,962, 4–25–61, Cl. 18—47.5.
Swartz, Richard L., to Universal Business Machines, Inc. Suction pick-up head. 2,967,731, 1–10–61, Cl. 294—64.
Swartz, Richard L., and W. D. Highsmith, to Universal Business Machines, Inc. Suction-head document feeder. 2,984,481, 5–16–61, Cl. 271—26.
Swartz, Walter C. Automatic telephone dialer. 2,999,902, 9–12–61, Cl. 179—90.
Swartzbaugh Mfg. Co., The: *See*—
Stentz, Blair E. 2,973,823.
Swasey, Samuel E., and K. R. Bagley, to Sylvania Electric Products Inc. Electric lamp mount. 3,007,073, 10–31–61, Cl. 313—277.
Swasey, Samuel E., and K. R. Bagley, to Sylvania Electric Products Inc. Electric lamp mount. 3,007,074, 10–31–61, Cl. 313—279.
Swayze, Kenneth W. Trigonometric aid. 2,972,811, 2–28–61, Cl. 33—1.
Swearingen, Judson S. Centrifugal gas compression. 2,970,750, 2–7–61, Cl. 230—204.
Swecker, John M., Jr. Wristband structure. 2,986,313, 5–30–61, Cl. 224—4.
Swedlow Inc.: *See*—
Bottoms, Paul H., Clapp, Loggins, and Stansbury. Re. 24,978.
Bottoms, Paul H., Stansbury, and Clapp. 3,004,295.
Swedlow, Theodore S. Sondergaard, and J. De Swart; said De Swart assor. to said Swedlow and said Sondergaard. Method for the manufacture of three-dimensional objects by selectively heating plastic sheets possessing elastic memory. 3,000,057, 9–19–61, Cl. 18—48.
Swedlow, Theodore, and S. Sondergaard. Laminated objects and method for fabricating same. 3,000,774, 9–19–61, Cl. 154—121.
Sweedyk, James M., and G. L. Gleason, to Hupp Corp. Window air conditioner mounting assemblies. 2,978,973, 4–11–61, Cl. 98—94.
Sweeney, Edward C.: *See*—
Cross, Allen S. 2,990,838.
Sweeney, Edward J., W. W. Toy, and P. J. McLaughlin, to Rohm & Haas Co. Impregnated papers and the process of impregnating them. 2,995,472, 8–8–61, Cl. 117—155.
Sweeney, Frank B., to Endicott Johnson Corp. Sole splitting machine. 3,002,207, 10–3–61, Cl. 12—17.
Sweeney, Harold L., and J. Faneros. Grill cleaner. 2,990,564, 7–4–61, Cl. 15—569.
Sweeney, Harter E. Toilet paper dispenser. 2,993,658, 7–25–61, Cl. 242—55.3.
Sweeney, John J., to The Okonite Co. Shaped articles of vinyl chloride resin and ethyl cellulose. 2,979,471, 4–11–61, Cl. 260—17.
Sweeney, Joseph P., to AMP Inc. Wiring arrangement for shift register employing magnetic cores. 2,995,731, 8–8–61, Cl. 340—174.
Sweeney, Patrick E., to Aircraft Armaments, Inc. Safety interlock for machine gun barrel. 2,981,154, 4–25–61, Cl. 89—14.
Sweeney, Richard F.: *See*—
Neill, Ronald H., Sweeney, and Woolf. 2,981,763.
Sweeney, William A.: *See*—
Lapporte, Seymour J., and Sweeney. 2,971,989.
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Sweet, Harold C. Line marker. 2,988,763, 6–20–61, Cl. 15—503.
Sweet, Ralph, and E. Harbicht. Land wheel steering for one way plows and the like. 2,982,363, 5–2–61, Cl. 172—284.
Sweetman, Ernest A., to Wickman Ltd. Treatment of metal articles by electro-spark erosion. 2,996,601, 8–15–61, Cl. 219—69.
Sweetman, John R., to Petro Chemical Laboratories, Inc. Composition for removing carbon and sludge from internal combustion engines. 3,005,778, 10–24–61, Cl. 252—170.
Sweetser, Sumner B.: *See*—
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Sweger, Theodore J. and F. Jensen, to Illinois Railway Equipment Co. Journal box construction for railway cars. Re. 25,015, 8–1–61, Cl. 308—38.
Sweitzer, Charles S., and J. Brock, to Diamond National Corp. Apparatus for producing multi-ply paperboard products. 2,987,122, 6–6–61, Cl. 162—304.
Swengel, Alfred H. Adjustable clamp. 3,001,173, 9–19–61, Cl. 339—253.
Swengel, Robert C., to AMP Inc. Clip connector for printed circuit board. 2,980,878, 4–18–61, Cl. 339—17.
Swengel, Robert C., to AMP Inc. Connector means for circuit board. 3,008,112, 11–7–61, Cl. 339—17.
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Swensen, John H., to Johns-Manville Corp. Apparatus for forming asbestos-cement pipe. 3,000,776, 9–19–61, Cl. 162—122.
Swenson, Alfred G.: *See*—
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Swenson, Alfred G., to General Electric Co. Fill and steam control valve assembly for steam irons. 2,991,572, 7–11–61, Cl. 38—77.

Swenson, Armound R., to Continental Carbon Co. Bag-filling and handling machine. 2,996,858, 8–22–61, Cl. 53—76.
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Marotta, George J., Ray, and Swenson. 3,000,806.
Swenson, Carl F., to Star Parts, Inc. Hydraulic system. 2,979,077, 4–11–61, Cl. 137—493.3.
Swenson, Ernest L., to General Motors Corp. Turbine blade and method of making same. 3,008,855, 11–14–61, Cl. 148—32
Swenson, Eskil W. Roller attachment for automotive vehicles. 2,986,977, 6–6–61, Cl. 94—50.
Swenson, Eskil W. and P., to E. W. Swenson. Dump truck with conveyor and spreader. 3,010,727, 11–28–61, Cl. 275—7.
Swenson, George W.: *See*—
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Swenson, Gordon C. Heating cylinder for injection molding machines. 3,010,154, 11–28–61, Cl. 18—30.
Swenson, Henry F. Milling machine device. 2,978,966, 4–11–61, Cl. 90—60.
Swenson, Henry F. Adjustable cutter rake tool. 2,982,009, 5–2–61, Cl. 29—105.
Swenson, Paul F., and M. T. Cooperrider, to Iron Fireman Mfg. Co. Liquid heating apparatus and control system therefor. 2,967,021, 1–3–61, Cl. 236—1.
Swenson, Paul F., and M. T. Cooperrider, to Iron Fireman Mfg. Co. Space air conditioning means. 3,001,479, 9–26–61, Cl. 103—87.
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Swenson, Victor E., to Deere & Co. Tractor front end and axle structure providing adjustable wheel base. 3,014,734, 12–26–61, Cl. 280—95.
Swerdloff, Jack, to Celanese Corp. of America. Process of treating filaments with a peroxygen compound. 3,012,978, 12–12–61, Cl. 260—17.
Swerdloff, Jack, E. B. Larsen, and A. J. Troeleman, to Celanese Corp. of America. High bulk filamentary material and methods of producing the same. 2,968,857, 1–24–61, Cl. 28—72.
Swerdlow, Nathan, to General Electric Co. Forced-cooled isolated phase bus. 2,992,290, 7–11–61, Cl. 174—16.
Swerdlow, Nathan, to General Electric Co. Electric bus duct. 2,977,404, 3–28–61, Cl. 174—99.
Swerdlow, Nathan, and W. R. Wilson, to General Electric Co. Electric bus duct apparatus. 2,970,185, 1–31–61, Cl. 174—99.
Swern, Daniel: *See*—
Jordan, Edmund F., Jr., Port, and Swern. 2,984,652.
Swern, Daniel, to United States of America, Agriculture. Phosphonates. 2,973,380, 2–28–61, Cl. 260—403.
Swern, Daniel, to United States of America, Agriculture. Copolymers of vinyl chloride and vinyl epoxystearate. 2,993,034, 7–18–61, Cl. 260—87.1.
Swern, Daniel, and R. Sasin, to United States of America, Agriculture. Trialkyl 9(10)-phosphonostearates. 2,988,558, 6–13–61, Cl. 260—403.
Swern, Daniel, and H. B. Knight, to United States of America, Agriculture. Method of preparing bis(3-dialkylphosphonopropyl) esters. 2,989,562, 6–20–61, Cl. 260—461.
Swett, Alan M., to Dennison Mfg. Co. Printing and punching machine. 2,968,236, 1–17–61, Cl. 101—19.
Swett, Charles F.: *See*—
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Swett, Leo R.: *See*—
Carbon, John A., Martin, and Swett. 2,996,536.
Horrom, Bruce W., and Swett. 2,992,269.
Swett, Robert W.: *See*—
Marshall, Edward C., and Swett. 2,987,840.
Swett, Warren P.: *See*—
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McKnight, Robert J., and Swezey. 2,985,278.
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Swick, Edwin G., to Illinois Tool Works. Container carrier and package. 2,989,177, 6–20–61, Cl. 206—65.
Swick, Edwin G., to Illinois Tool Works. Foot retainer. 3,006,673, 10–31–61, Cl. 287—87.
Swick, John M.: *See*—
Fino, Alexander F., and Swick. 2,981,436.
Fino, Alexander F., and Swick. 3,002,828.
Swick, Joseph S., to Tronomatic Machine Mfg. Corp. Heat sealing apparatus affording easy and quick loading and unloading. 3,009,304, 11–21–61, Cl. 53—373.
Swick, Joseph S., and S. Rosen, to Tronomatic Machine Mfg. Corp. Hydraulic press apparatus. 2,980,013, 4–18–61, Cl. 100—257.
Swiecicki, Adolph J., to General Motors Corp. Coupling. 3,014,743, 12–26–61, Cl. 287—119.
Swift & Co.: *See*—
Becktel, Jack M., Knester, and Fritz. 3,008,833.
Bradford, Purdy. 3,002,730.
Brissey, George E., and Hill. 2,982,660.
Brown, Leo C., and Rusin. 2,976,154.
Findley, Thomas W., Ohlson, and Knester. 3,006,936.
Findley, Thomas W., and Robin. 2,993,919.
Gibson, Paul, and Starmann. 2,982,724.
Grettie, Donald P. 2,992,247.
Griffin, Roger L. 2,987,162.
Harper, Robert H. 2,970,916.
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Hensgen, Bernard T., and Faust. 2,983,614.
Hodges, William A. 2,999,006.
Kidger, David P., and Baeuerlen. 2,978,335.
Kuester, Frank E., and Findley. 2,978,463.
Meulemans, Benedict E., and Pauly. 3,006,769.
Mortenson, Everett N., and Wagner. 2,999,015.
Patterson, Eugene B., Gray, and Rice. 3,010,828.
Rueckert, Dean E. 2,976,096.
Trombly, Harvey H., and Harper. 2,970,120.
Wiedermann, Lars H. 3,006,770.
Young, Harland H., and Luce. 2,992,195.
Young, Harland H., and Majka. 2,978,382.
Swift, Frank A., Jr.: *See*—
Swift, Frank A., Sr. 2,982,982.
Swift, Frank A., Sr., ½ to F. A. Swift, Jr. Container support including associated tray element. 2,982,982, 5–9–61, Cl. 15—121.3.
Swift, Gilbert, to Well Surveys, Inc. Method and apparatus for determining drill bit speed. 2,985,829, 5–23–61, Cl. 324—70.
Swift, Gilbert, to Well Surveys, Inc. Apparatus for detecting casing joints. 3,007,109, 10–31–61, Cl. 324—34.
Swift, Gilbert, to Dresser Industries, Inc. Dip measuring instrument. 3,012,324, 12–12–61, Cl. 33—1.
Swift, Irvin H.: *See*—
Goodenough, James G., and Swift. 2,996,893.
Swift, James L., to American District Telegraph Co. Pneumatic fire detection system. 3,010,001, 11–21–61, Cl. 200—140.
Swift, John F., to International Harvester Co. Self-adjusting means for brake or clutch assemblies. 2,981,381, 4–25–61, Cl. 188—196.
Swift, Maurice E., to Philco Corp. Transducers. 2,993,097, 7–18–61, Cl. 179—111.
Swift, Robert J., A. A. Affrunti, S. Altschuler, and W. A. Gans, to United States of America, Air Force. Method of fabrication of explosive missiles. 2,968,986, 1–24–61, Cl. 86—20.
Swiggett, Robert L., to Printed Motors Inc. Printed circuit armature. 2,970,238, 1–31–61, Cl. 310—268.
Swikart, George. Binocular bifocal magnifier and illuminator. 3,014,405, 12–26–61, Cl. 88—39.
Swimmer, Ernest J., and A. Hicks. Toy with sighting and ball throwing device. 2,991,081, 7–4–61, Cl. 273—120.
Swimmer, Jerome. Solid rocket propellants containing boron carbide as fuel. 3,009,800, 11–21–61, Cl. 52—.5.
Swimquip, Inc.: *See*—
Baker, William O. 2,974,746.
Swindell-Dressler Corp.: *See*—
Dressler, Philip d'H., and Angevine. 2,983,022.
Swindells, Frank E., to E. I. du Pont de Nemours and Co. Electro-luminescent zinc sulfide iodide fluxed phosphors, and method for their preparation. 2,980,627, 4–18–61, Cl. 252—301.6.
Swinden, David, to Imperial Knife Associated Companies, Inc. Pocket knife and method of making same. 2,977,678, 4–4–61, Cl. 30—155.
Swinehart, Frank, to The Turner Co. Microphone assembly. 2,984,713, 5–16–61, Cl. 179—167.
Swing-Spout Measure Co.: *See*—
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Robertson, Snell, and Allen. 2,982,200.
Swingle, Roy E., to Acme Steel Co. Method and apparatus for securing shiftable loads. 3,004,746, 10–17–61, Cl. 248—361.
Swink, Lloyd V. Sequential timer and controller. 2,989,667, 6–20–61, Cl. 317—142.
Swintosky, Joseph V., to Smith, Kline & French Laboratories. Press coated enteric tablets and process for preparing them. 2,971,889, 2–14–61, Cl. 167—82.
Swinyar, Theodore C. Method and composition for preventing the growth of micro-organisms on surfaces. 2,971,883, 2–14–61, Cl. 167—31.
Swirl, Inc.: *See*—
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Swisher, Horton E., to Sunkist Growers, Inc. Fibrous fruit product and process. 2,976,159, 3–21–61, Cl. 99—204.
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Switchcraft, Inc.: *See*—
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Switchlock, Inc.: *See*—
Jones, Edward A. 2,978,555.
Switlik Parachute Co., Inc.: *See*—
Moran, Harold J. 2,989,274.
Moran, Harold J. 3,002,203.
Moran, Harold J. 3,014,619.
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Switlik, Richard. 2,993,217.
Switlik, Richard, to Switlik Parachute Co., Inc. Parachute rip cord combination. 2,969,945, 1–31–61, Cl. 244—148.
Switlik, Richard, to Switlik Parachute Co., Inc. Life preserving devices. 2,993,217, 7–25–61, Cl. 9—316.
Switzer Bros., Inc.: *See*—
Parker, Donald W., Jr. 2,978,418.
Switzer Joseph L. 2,970,965.
Switzer, Harold K. Sink mounting tool. 2,994,127, 8–1–61, Cl. 29—200.
Switzer, Joseph L., to Switzer Brothers, Inc. Printing inks and vehicles therefor. 2,970,965, 2–7–61, Cl. 252—301.2.

Swoboda, Thomas J., to E. I. du Pont de Nemours and Co. Ferromagnetic complex oxides of manganese with both cobalt and nickel in the crystal lattice and having the ilmenite-type crystal structure. 2,996,457, 8–15–61, Cl. 252—62.5.

Swope, Morris C., to Perfex Corp. Dampening roller. 2,966,723, 1–3–61, Cl. 29—120.

Swope, Morris C., to Perfex Corp. Dampening rollers. 2,966,724, 1–3–61, Cl. 29—120.

Swords, Herman L. Rotary brush cleaning machine. 3,000,027, 9–19–61, Cl. 15—21.

Swoyer, Allen H. Water heaters. 2,987,604, 6–6–61, Cl. 219—38.

Swyer, Hayward A.: *See*—
Fraser, Charles, and Swyer. 2,966,950.

Syarto, Louis W.: *See*—
Meisenheimer, Daniel T., and Syarto. 2,994,971.

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Sygnator, Henry A., to Illinois Tool Works. Die nut having an aperture shaped as a regular polygon. 2,983,180, 5–9–61, Cl. 85—32.

Sykes, Clarke C.: *See*—
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De Coriolis, Ernest G., and Sykes. 2,998,237.

Sykes, Hope W. Portable, torso support stand. 2,967,006, 1–3–61, Cl. 223—68.

Sykes, Thomas R., to Toronto Star Ltd. Roller slat conveyor diverter mechanism. 2,993,583, 7–25–61, Cl. 198—31.

Sykes, William G., 10% to C. O'H. Grimes. Collapsible cart. 3,007,710, 11–7–61, Cl. 280—42.

Sykokis, George J. Conveyor multiple drive mechanism. 2,969,138, 1–24–61, Cl. 198—208.

Sykokis, George J. Controlled conveyor driving mechanism. 3,009,562, 11–21–61, Cl. 198—203.

Sylvan, Tage P., to General Electric Co. Unijunction transistor circuit. 2,968,770, 1–17–61, Cl. 331—111.

Sylvan, Tage P., to General Electric Co. Multivibrator circuit having a bistable circuit driving and triggered by a relaxation circuit. 2,997,665, 8–22–61, Cl. 331—113.

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Brand, Harry R., and Schefer. 2,981,669.
Johnson, Ralph B. 2,981,673.

Sylvania Electric Products Inc.: *See*—
Baird, Donald H., Dymon, and Natansohn. 2,982,731.
Bartels, Bernhard E. 2,991,385.
Beaton, Clarence E., and Herrick. 2,971,111.
Beeney, Donald W. 2,981,786.
Blickwedel, Theodore W., and Lambert. 2,985,548.
Bonney, Herman W. 3,003,076.
Bouchard, George H., and Dombrowski. 3,014,813.
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Szabo, Istvan, A. Bagi, L. Edei, and B. Gordos. Moldboard plow. 3,013,619, 12–19–61, Cl. 172—715.
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Szczepanik, John A., to ACF Industries, Inc. Shock absorbing device. 2,974,810, 3–14–61, Cl. 213—73.
Szczepanik, John A., to ACF Industries, Inc. Sliding door mechanism. 2,989,771, 6–27–61, Cl. 16—8.
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Széky, Pálma, I. Neményi, and T. Eöllös, to Altalános Géptervező Iroda. Electroplating ferrous-base molded bodies. 2,971,898, 2–14–61, Cl. 204—23.
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Szilágyi, István, to "Licencia" Talalmanyokat Ertekesito Vallalat. Spark plug with gas insulation for internal combustion engines. 3,014,150, 12–19–61, Cl. 313—129.
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Szillage, Kalman. Fish hooking device. 2,995,852, 8–15–61, Cl. 43—15.
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Szmuszkovicz, Jacob, and W. C. Anthony, to The Upjohn Co. Novel 3-(1-hydroxy-1-phenyl-3-aminopropyl) indoles. 2,984,670, 5–16–61, Cl. 260—319.

Sznycer, Bernard W., to Omega Aircraft Corp. Selective adjustment control mechanism. 2,973,661, 3–7–61, Cl. 74—471.

Sznycer, Bernard W., to Omega Aircraft Corp. Pitch control mechanism for helicopter rotors. 2,973,815, 3–7–61, Cl. 170—160.25.

Sznycer, Bernard W., to Omega Aircraft Corp. Helicopter construction. 2,973,923, 3–7–61, Cl. 244—17.11.

Szonn, Reinhold E., to Wilhelm Herm. Muller & Co. Kommanditgesellschaft. Elastic tooth means. 2,987,932, 6–13–61, Cl. 74—229.

Szopo, Alexander. Portable combination carpenters' work bench. 3,001,559, 9–26–61, Cl. 144—286.

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Szostak, Henry T., to Ford Motor Co. Motor vehicle air suspension leveling system. 3,013,809, 12–19–61, Cl. 280—112.

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Szydlowski, Joseph. Device for controlling the acceleration time of turbojet engines. 2,980,175, 4–18–61, Cl. 158—36.4.

Szydlowski, Joseph. Regulating apparatus associated with hydraulic servo-control and follow-up acting devices. 3,002,502, 10–3–61, Cl. 121—42.

Szydlowski, Joseph. Method of and device for relieving shaft vibration. 3,005,668, 10–24–61, Cl. 308—184.

Szyman, Leonard A., and F. F. Gosselin. Air lock cleaning device. 2,982,449, 5–2–61, Cl. 222—352.

Szymanski, Adam. Bass bar for stringed musical instrument. 3,014,394, 12–26–61, Cl. 84—276.

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Tabet, Michael A., to Tabet Mfg. Co., Inc. Electrical switch with removable units. 2,971,066, 2–7–61, Cl. 200—11.

Tabet, Michael A., to Tabet Mfg. Co., Inc. Switch with removable units. 2,988,607, 6–13–61, Cl. 200—11.

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Tabor, John Q., Jr., and F. L. Haake. Flare mounting. 2,967,484, 1–10–61, Cl. 102—87.

Tabor, Warner H., to Dixon Corp. Drafting drive assembly. 2,972,786, 2–28–61, Cl. 19—130.

Taccolini, Eugene. Removable car top carrier. 2,985,350, 5–23–61, Cl. 244—42.1.

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Taccone, Russell W., to Taccone Pneumatic Foundry Equipment Corp. Diaphragm molding machine having a movable head. 2,988,789, 6–20–61, Cl. 22—40.

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Tack, Carl E., to American Steel Foundries. Shoeless snubbed truck. 2,985,116. 5–23–61, Cl. 105—197.

Tack, Carl E., and F. E. Bachman, to American Steel Foundries. Brake head and shoe assembly. 2,974,759, 3–14–61, Cl. 188—243.

Tack, Carl E., F. E. Bachman, and A. F. Baker, to American Steel Foundries. Snubbed truck. 2,986,101, 5–30–61, Cl. 105—197.

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MacKinney, Henry B., F. H. and K. R. Tack. 2,997,343.

Tack, John, & Sons: *See*—
MacKinney, Henry B., F. H. and K. R. Tack. 2,997,343.

Tack, Kenneth R.: *See*—
MacKinney, Henry B., F. H. and K. R. Tack. 2,997,343.

Tacke, Wilfried: *See*—
Albert, Heinz, and Tacke. 2,998,395.

Tacken, Peter J. M.: *See*—
Bol, Arie, Tacken, van der Laan, and Baas. 3,006,984.

Taco Heaters, Inc.: *See*—
Schoerner, Rudolph T., and White. 2,972,355.

Taczak, John, and J. C. Elder, to Westinghouse Air Brake Co. Train control system. 2,998,513, 8–29–61, Cl. 246—3.

Taecker, Rollin G.: *See*—
Lawroski, Stephen, Jonke, and Taecker. 2,981,592.

Taf Research Corp.: *See*—
Gable, Howard S., and Kerr. 2,994,361.

Taff, Albert W., J. M. White, and R. E. Kolb, to Warner-Lambert Pharmaceutical Co. Process of granulating effervescent materials. 2,999,293, 9–12–61, Cl. 25—156.

Taft, Charles K., to The Warner & Swasey Co. Motor control system. Re. 25,058, 10–17–61, Cl. 318—260.

Taft, Charles K., to The Warner & Swasey Co. Motor control system. 2,977,522, 3–28–61, Cl. 318—260.

Taft, Hugh M., to Ex-Cell-O Corp. Means and method for setting and locking magnetic transducer heads in a magnetic drum device. 3,001,181, 9–19–61, Cl. 340—174.1.

Taft, Royal C., Jr., and R. R. Hodgson, to Midland-Ross Corp. Method of producing foam material in web form. 3,013,924, 12–19–61, Cl. 156—78.

Taga, Yoshikazu. Pneumatic power transmission system. 2,966,776, 1–3–61, Cl. 60—12.

Taggart, Chesley E. Attachment for cutting baled cotton. 2,990,614, 7–4–61, Cl. 30—272.

Taggart, Clarence: *See*—
Kern, Dale W., and Taggart. 2,972,799.

Taggart, Francis W. Convertible ski-sled. 3,003,778, 10–10–61, Cl. 280—12.

Taggart, Harry W. Heel retaining means for ski binding. 2,981,547, 4–25–61, Cl. 280—11.35.

Taggert, Wilmer R., ½ to N. S. Blodgett. Archery device. 2,970,838, 2–7–61, Cl. 273—106.5.

Taggert, Wilmer R., ½ to N. S. Blodgett. Check valve. 2,996,077, 8–15–61, Cl. 137—537.

Taggett, Paul N., to General Electric Co. Method of filming cathode ray tubes. 2,987,415, 6–6–61, Cl. 117—33.5.

Tagliere, Daniel. Measuring instrument. 2,990,620, 7–4–61, Cl. 33—98.

Tagmann, Eugen: *See*—
Geyer, Ulrich, Spillmann, Stalder, and Tagmann. 2,980,737.

Tague, Byrl D.: *See*—
Coy, Carl E., and Tague. 2,975,386.

Tailleur, Andre M., to International Business Machines Corp. Record punching machine. 2,986,329, 5–30–61, Cl. 234—50.

Tailleur, Andre M., to International Business Machines Corp. High speed punch mechanism. 2,999,632, 9–12–61, Cl. 234—109.

Tailleur, Rodolfo J., to Gulf Oil Corp. Drilling mud of enhanced lubricating properties. 3,014,862, 12–26–61, Cl. 252—8.5.

Tait, David R., to Electric & Musical Industries Ltd. Color television camera color balance apparatus. 2,969,424, 1–24–61, Cl. 178—5.4.

Tait, David R., to Electric & Musical Industries Ltd. Single tube colour television cameras. 3,002,051, 9–26–61, Cl. 178—5.4.

Tait Mfg. Co., The: *See*—
Lung, Kenneth R. 2,978,989.
Lung, Kenneth R. 2,997,609.

Tait, William O., and N. A. Wilkes, to Reeves Instrument Corp. Captive screw with sleeve to prevent engagement of the screw head with the work. 2,967,557, 1–10–61, Cl. 151—69.

Tajan, Francois. Multi-purpose container. 3,011,499, 12–5–61, Cl. 132—112.

Tajima, Kiheida, G. Emori, E. Otsuka, and H. Futaki. Telephone system. 3,005,054, 10–17–61, Cl. 179—32.
Takacs, Francisco. Flying body for supersonic speed. 2,980,370, 4–18–61, Cl. 244—130.
Takagi, Tatsuya. Vibration damper of air cushion for vehicles. 2,976,031, 3–21–61, Cl. 267—15.
Takagi, Tatsuya. Oil damper. 3,001,610, 9–26–61, Cl. 188—88.
Takahama, Sho, to Yashica Co., Ltd. Automatic photographic diaphragm. 2,999,442, 9–12–61, Cl. 95—10.
Takahama, Sho, to Yashica Co., Ltd., and Kabushiki Kaisha Konan Kamera Kenkyu-Jo. Related film transport shutter setting and film counter means. 3,009,406, 11–21–61, Cl. 95—31.
Takahama, Sho, to Yashica Co., Ltd., and Kabushiki Kaisha Konan Kamera Kenkyu-Jo. Magazine for photographic cameras. 3,011,418, 12–5–61, Cl. 95—31.
Takahama, Sho, to Yashica Co., Ltd., and Kabushiki Kaisha Konan Kamera Kenkyu-Jo. Device for automatically returning a counter and ejecting a magazine. 3,011,419, 12–5–61, Cl. 95—31.
Takahama, Sho, to Yashica Co., Ltd., and Kabushiki Kaisha Konan Kamera Kenkyu-Jo. Device for preventing the overwinding of film and the premature release of the shutter in a photographic camera. 3,012,490, 12–12–61, Cl. 95—31.
Takahashi, Choku, to Nippon Electric Co., Ltd. Picture transmission. 3,013,115, 12–12–61, Cl. 178—7.1.
Takahashi, Hiroshi: *See*—
Shiihara, Isao, Iyoda, and Takahashi. 3,004,053.
Takahashi, Tatsumi. Furnace for continuous burning. 2,967,522, 1–10–61, Cl. 126—73.
Takahasi, Hidetosi, E. Goto, S. Yamada, and Z. Kiyasu. Signal delay device. 3,015,038, 12–26–61, Cl. 307—88.
Takaki, Takumi: *See*—
Komiyama, Daisuke, Takaki, Ando, and Nii. 3,001,235.
Takakuwa, Tokuichi. Method of processing lateritic nickeliferous ores. 2,978,317, 4–4–61, Cl. 75—21.
Takamatsu, Tetsuya: *See*—
Terai, Tomio, and Takamatsu. 2,999,783.
Takamizawa, Akira, K. Tokuyama, S. Nakajima, S. Hayashi, and H. Sato, to Shionogi Seiyaku Kabushiki Kaisha (known as Shionogi & Co., Ltd.). Process for the preparation of vitamin B_1 halides. 2,994,696, 8–1–61, Cl. 260—256.6.
Takaoka, Kentaro. Gas regulator valve for artificial respiration. 2,996,071, 8–15–61, Cl. 137—63.
Takashima, Thomas T.: *See*—
Raffensperger, Stanley P., and Takashima. 3,009,810.
Raffensperger, Stanley P., and Takashima. 3,009,811.
Takata, Earl K.: *See*—
Fritchle, Frank P., Reynolds, and Takata. 2,970,798.
Takata, Victor T.: *See*—
Cole, Addison D., Levin, Wilde, and Takata. 3,007,151.
Takayanagi, Kenjiro, and S. Nomura, to Victory Co. of Japan, Ltd. Pulse width recording. 3,009,025, 11–14–61, Cl. 179—100.2.
Takeda Pharmaceutical Industries, Ltd.: *See*—
Masuda Toru, Yamamoto, and Kaneko. 2,973,305.
Nishikawa, Masamoto, and Hagiwara. 3,006,931.
Nishikawa, Masamoto, and Hagiwara. 3,014,931.
Terumichi, Jiro. 2,992,973.
Ukita, Tyunosin. 3,006,911.
Takei, Sankichi, M. Ohno, Y. Inouye, and T. Sugita, to The Institute of Insect Control. Process for preparing chrysanthemum-dicarboxylic acid and esters thereof. 3,009,946, 11–21–61, Cl. 260—468.
Takemura, Kazuo H.: *See*—
Segal, Leon, Loeb, Takemura, and Philips. 2,980,491.
Takesian, Harry: *See*—
Wilson William J., and Takesian. 3,006,819.
Taketomi, Bunsaku, to Aichi Kogyo Kabushiki-Kaisha (Aichi Engineering Co. Ltd.). Sewing machine equipped with an automatic device for effecting variable pattern embroidery stitching. 2,989,015, 6–20–61, Cl. 112—103.
Taketomi, Bunsaku. Mechanism in a sewing machine for enlarging loop of the upper thread for the purpose of performing zig-zag stitching. 2,989,017, 6–20–61, Cl. 112—187.
Takiguchi, Keiji: *See*—
Morikawa, Tetsuo, and Takiguchi. 3,012,013.
Takimoto, Hideyo H.: *See*—
Rust, John B., and Takimoto. 3,013,992.
Rust, John B., and Takimoto. 3,013,993.
Tako, Frank: *See*—
Kuslich, John S., and Tako. 3,011,429.
Takvorian, Aram, and E. Rosenberg. Shield for threaded flanges of electric outlet boxes. 3,001,663, 9–26–61, Cl. 220—3.4.
Talalay, Anselm, to The B. F. Goodrich Co. Molded article. 2,967,122, 1–3–61, Cl. 154—54.
Talalay, Leon, and G. F. Waters, ½ to The B. F. Goodrich Co., and ½ to Dayco Corporation. Method for making latex foam rubber. 2,984,631, 5–16–61, Cl. 260—2.5.
Talambiras, Robert P.: *See*—
Gordon, Bernard M., and Talambiras. 2,989,741.
Gordon, Bernard M., and Talambiras. 2,998,595.
Talambiras, Robert P., to Epsco, Inc. Differential amplifier. 2,977,547, 3–28–61, Cl. 330—69.
Talamonti, John, to Borg-Warner Corp. Oil seal with filamentary lip. 2,977,143, 3–28–61, Cl. 288—17.
Talbert, Austin G., to Talbert Construction Equipment Co. Spring locking mechanism for dump vehicles. 2,997,342, 8–22–61, Cl. 298—17.
Talbert Construction Equipment Co.: *See*—
Talbert, Austin G. 2,997,342.
Talbert, Milton L., and W. E. Scarborough, to Dresser Industries, Inc. Bit. 2,990,025, 6–27–61, Cl. 175—375.
Talbot, Charlie F. Process for reclaiming barite from waste drilling fluids. 2,982,401, 5–2–61, Cl. 209—2.
Talbot, Howard H.: *See*—
Stone, Morris D., and Talbot. 2,971,557.
Talbot, Howard H., to United Engineering and Foundry Co. Rolling mill. 2,985,042, 5–23–61, Cl. 80—38.
Talbot, James L., to California Research Corp. Multistage xylene separation process. 2,985,694, 5–23–61, Cl. 260—674.
Talbot, Robert D.: *See*—
White, Marshall P., and Talbot. 2,970,228.
Talbot Tool Co. Ltd., The: *See*—
Hobbs, Doran K. 3,014,609.
Talboys, David C.: *See*—
Randle, John E., and Talboys. 3,011,525.
Talboys, Henry H., to Nordberg Mfg. Co. Track surfacing assembly and method. 2,974,607, 3–14–61, Cl. 104—7.
Talburt, William F.: *See*—
Hendel Carl E., Notter, Lazar, and Talburt. 3,009,817.
Nury, Fredoon S., and Talburt. 2,967,614.
Talburtt, George W., to Chrysler Corp. Glass laminating dearing means. 2,992,953, 7–18–61, Cl. 154—2.7.
Talcott, Louie R., Jr. Sack holder. 2,995,329, 8–8–61, Cl. 248—97.
Talcott, Thomas D., to Dow Corning Corp. Organopolysiloxane elastomers containing silica and a carboxylic acid salt of cobalt, cerium or copper. 2,999,076, 9–5–61, Cl. 260—18.
Talcott, Thomas D., to Dow Corning Corp. Fluoroalkyl siloxane composition. 3,006,878, 10–31–61, Cl. 260—29.1.
Talet, Pierre, to Societe Anonyme dite: Nobel-Bozel. Preparation of grafted cellulose-base copolymers. 3,008,885, 11–14–61, Cl. 204—158.
Talge, Foster L.: *See*—
Aberer, Frank E. 2,994,953.
McLean, Robert E. 3,010,203.
Scott, Robert J., Chappell, and Grant. 2,995,817.
Scott, Robert J., and McLean. 2,995,818.
Talge, Henry J.: *See*—
Aberer, Frank E. 2,994,953.
Aberer, Frank E., and Talge. 2,976,004.
McLean, Robert E. 3,010,203.
Scott, Robert J., Chappell, and Grant. 2,995,817.
Scott, Robert J., and McLean. 2,995,818.
Talgliaferri, Frank P. Toy device. 3,000,138, 9–19–61, Cl. 46—244.
Tall, Leonard H., 50% to Byers Color Laboratory, Inc., and 50% to Technicolor, Inc. Container and dispenser for mounted transparency. 2,997,168, 8–22–61, Cl. 206—62.
Talley, Samuel K., to Shell Oil Co. Fuel composition and process for its manufacture. 2,984,556, 5–16–61, Cl. 52—.5.
Talley, Samuel K., to Shell Oil Co. Non-ferrous metal drawing lubricant. 2,987,480, 6–6–61, Cl. 252—52.
Tallis, Ernest E., and D. N. Tyler, to Courtaulds Ltd. Production of regenerated cellulose filaments. 2,975,023, 3–14–61, Cl. 18—54.
Tallis, Ernest E., and E. V. Reeves, to Courtaulds Ltd. Manufacture of composite yarns. 2,986,868, 6–6–61, Cl. 57—157.
Tallman, Charles S., to American Optical Co. Microscopes. 3,007,371, 11–7–61, Cl. 88—39.
Tallman, Laurence C.: *See*—
McBean, Douglas M., and Tallman. 3,010,588.
Tallman, Paul L., to Emerald Distributors, Inc. Irrigation pipe gate. 2,975,796, 3–21–61, Cl. 137—322.
Tallon Ltd.: *See*—
Arengo, Christopher G. 2,967,353.
Tally Register Corp.: *See*—
Fender, Keith L., Renshaw, and Dilling. 2,993,642.
Renshaw, Philip E. 3,007,572.
Renshaw, Philip E., Barger, and Crumb. 2,984,413.
Tally, Sidney K.: *See*—
Dahlgren, Victor F., and Tally. 3,007,131.
Tally, Sidney K., to Sanders Associates, Inc. Integral cable and connector. 2,973,502, 2–28–61, Cl. 339—61.
Talmage, Franklin E.: *See*—
Bott, Adolf H., and Talmage. 3,005,167.
Jose, Robert S., and Talmage. 2,986,631.
Talmey, Paul: *See*—
Crehan, William J., Klouse, and Talmey. 2,997,783.
Talmey, Paul, to General American Transportation Corp. Refrigerator car, or the like. 3,003,199, 10–10–61, Cl. 20—4.
Talmey, Paul, and D. O. Baird, to General American Transportation Corp. Refrigerator containers for freight transportation systems. 2,984,084, 5–16–61, Cl. 62—239.
Talon, Inc.: *See*—
Brown, Alexander M. 2,968,079.
Brown, Alexander M. 2,978,772.
Brown, Alexander M. 3,006,050.
Carlile, Alfred E. 2,974,382.
Carlile, Alfred E. 2,993,253.
Carlile, Alfred E. 2,996,797.
Carmen Hymen. 2,977,904.
Craig, Francis A. 3,006,469.
Forrester, Clive B. 2,969,573.
Forrester, Clive B. 2,987,835.
Harrah, Ralph E. 2,978,769.
Hawkins, Thane E., and Weikal. 2,978,774.
Rae, David G. 2,983,019.
Stone, George R. 2,983,016.
Stone, George R. 2,983,018.

Talvenheimo, Gerhardt, to Houdry Process Corp. Phosphated kaolin cracking catalyst. 2,967,156, 1-3-61, Cl. 252—437.
Talvenheimo, Gerhardt, to Houdry Process Corp Denning sulfated kaolin in stream of gas comprising steam. 2,973,328, 2-28-61, Cl. 252—450.
Tam, Julius C. Bookmark. 3,011,471, 12-5-61, Cl. 116—119.
Tama, Mario, to Ajax Magnethermic Corp. Coreless electric induction furnace. 2,997,512, 8-22-61, Cl. 13—27.
Tama, Mario, and J. L. Hoff, to Ajax Magnethermic Corp. Coreless induction furnace melting of metals. 3,004,091, 10-10-61, Cl. 13—27.
Tamada, Kazumi, and K. Ota, to Howa Sangyo Kabushiki Kaisha. Absorption refrigerator. 2,977,775, 4-4-61, Cl. 62—497.
Tamar Electronics, Inc.: *See*—
Overholser, John S. 2,971,224.
Tamarin, Bernard J. Apparatus for displaying vectographic prints. 2,995,981, 8-15-61, Cl. 88—65.
Tamarin, Richard B. Container closure. 2,975,952, 3-21-61, Cl. 229—17.
Tamaro, Frank: *See*—
Haines, Jesse H., and Tamaro. 2,976,358.
Tamasi, Prospero A.: *See*—
Anspach, Russell J., Clark, Neiswinter, and Tamasi. 2,979,556.
Tamblyn, John W.: *See*—
Bell, Alan, Gearhart, and Tamblyn. 2,980,648.
Newland, Gordon C., and Tamblyn. 2,972,596.
Newland, Gordon C., and Tamblyn. 2,972,597.
Newland, Gordon C., and Tamblyn. 2,976,260.
Newland, Gordon C., and Tamblyn. 2,980,645.
Newland, Gordon C., and Tamblyn. 2,983,621.
Newland, Gordon C., and Tamblyn. 2,983,709.
Newland, Gordon C., and Tamblyn. 3,000,856.
Newland, Gordon C., and Tamblyn. 3,003,996.
Tholstrup, Clarence E., and Tamblyn. 3,001,969.
Touey, George P., and Tamblyn. 2,976,277.
Van Allan, James A., Lappin, and Tamblyn. 2,987,503.
Tamblyn, John W., and G. C. Newland, to Eastman Kodak Co. Cellulose ester plastic compositions containing di-isooctyl diphenyl ether. 3,003,889, 10-10-61, Cl. 106—188.
Tamburri, Michael. Mobile car washing system. 2,981,266, 4-25-61, Cl. 134—72.
Tames, Daniel. Hamper bag with hinged cover. 2,970,628, 2-7-61, Cl. 150—1
Tames, Daniel. Surgical gown with moisture-proof conductive grounding means. 3,011,172, 12-5-61, Cl. 2—51.
Tampax Inc.: *See*—
Griswold, Earle A., and Lewing. 2,998,010.
Tamplen, Jack W., and P. S. Sizer, to Otis Engineering Corp. Tamper proof manifold. 2,998,070, 8-29-61, Cl. 166—72.
Tamsma, Arjen, to United States of America, Agriculture. Stable sweetened cream product. 2,981,626, 4-25-61, Cl. 99—55.
Tanabe, Kenichi: *See*—
Matsubayashi, Kanji, Ueno, and Tanabe. 3,007,228.
Osugi, Tetsuro, Tanabe, and Morimoto. 2,977,183.
Osugi, Tetsuro, Tanabe, Ohno, and Suda. 2,992,204.
Tanabe, Kenichi, S. Miyazaki, and T. Osugi, ¾ to Kurashiki Rayon Co., Ltd., and ¼ to Air Reduction Co. Inc. Wet spinning polyvinyl alcohol process. 3,011,861, 12-5-61, Cl. 18—54.
Tanabe Seiyaku Co., Ltd.: *See*—
Ida, Tadao. 2,976,214.
Imado, Sataro. 3,002,985.
Tanaka, Isokazu, T. Kawamoto, and S. Izawa, to Kabushiki-Kaisha Koden Seisakusha. Direction indicating device. 3,003,148, 10-3-61, Cl. 343—113.
Tanaka, Katsunobu: *See*—
Kinoshita, Shukuo, Tanaka, and Akita. 2,973,303.
Kinoshita, Shukuo, Tanaka, and Akita. 3,002,889.
Kinoshita, Shukuo, Tanaka, Akita, Maruta, and Yamamoto. 3,003,922.
Obika, Misao, Sasaki, Tanaka, and Iijima. 3,004,985.
Tanaka, Masao: *See*—
Kinoshita, Shukuo, Tanaka, and Kato. 3,003,921.
Kinoshita, Shukuo, Tanaka, Nagano, and Kishi. 3,003,923.
Tanaka, Mitsuo, to Thalson Co. Racquet game equipment. 2,972,480, 2-21-61, Cl. 273—96.
Tanaka, Tokuji: *See*—
Tsuda, Kyosuke, Asai, Iizuka, Tanaka, Nakamura, Okazaki, Shirasaka, and Naito. 2,993,839.
Tancred, William L., to J. H. Reid and W. S. Felton, as trustees. Computing machines. 3,010,646, 11-28-61, Cl. 235—60.
Tancredi, Charles C. Drinking, wetting and crying doll. 2,978,833, 4-11-61, Cl. 46—135.
Tancredi, Henry, and F. W. Kulicke, to Kulicke & Soffa Mfg. Co. Shipping case opener. 2,999,607, 9-12-61, Cl. 214—304.
Tanczos, Frank I.: *See*—
Mullen, James W., Fenn, and Tanczos. 3,010,279.
Tanczos, Frank I., T Davis, E. H. Smith, and J. W. Mullen, II, to said Davis, said Smith, and said Mullen, assors. to United States of America, Navy. Ramjet missile. 3,008,669, 11-14-61, Cl. 244—15.
Tanczyn, Harry. Stainless steel and method. 2,984,563, 5-16-61, Cl. 75—125.
Tanczyn, Harry, to Armco Steel Corp. Method of making manganese-nitrogen pre-alloy. 2,989,429, 6-20-61, Cl. 148—20.3.
Tanczyn, Harry, to Armco Steel Corp. Stainless steel. 3,000,729, 9-19-61, Cl. 75—128.
Tanczyn, Harry, to Armco Steel Corp. Free-machining stainless steel. 3,000,730, 9-19-61, Cl. 75—128.
Tandler, William S., and M. Grossman, to The Warner and Swasey Co. Peg and pawl positioning system. 2,985,038, 5-23-61, Cl. 74—815.
Tandler, William S., D. S. Walker, and M. Grossman, to Rowe Mfg. Co., Inc. Vending and dispensing device. 3,001,669, 9-26-61, Cl. 221—12.
Tandy Leather Co.: *See*—
Gick, James E. 2,982,042.
Tanenbaum, Arnold, to Ozalid Co. Ltd. Photographic reproduction. 2,997,387, 8-22-61, Cl. 96—1.
Tang, Arthur Y. C., to Walworth Co. Valve. 2,985,425, 5-23-61, Cl. 251—340.
Tang, Douglas D., to Lindsay Antenna and Specialty Products Ltd. Multiband doublet antenna. 2,993,206, 7-18-61, Cl. 343—814.
Tangard, Einar W., to Pitney-Bowes, Inc. Mail conveying device. 2,970,684, 2-7-61, Cl. 198—131.
Tangeman, Russell L., to Mink-Dayton, Inc. Hand holds. 2,974,611, 3-14-61, Cl. 105—354.
Tanguay, George A.: *See*—
Koss, Stephen G., and Tanguay. 2,994,111.
Taniguchi, Fumio. Electrical appliance and support means therefor. 2,974,214, 3-7-61, Cl. 219—43.
Tanimura, Hiroshi, and H. Ishii, to Sanyo Electric Co., Ltd. Frequency converter circuits. 3,010,014, 11-21-61, Cl. 250—20.
Tanis, Marlyn D. Surface tension bearing. 2,980,473, 4-18-61, Cl. 308—161.
Taniyama, Toshio: *See*—
Kawai, Toshio, Taniyama, Yoshida, Karato, Oorui, Yasuhara, and Usamoto. 2,971,830.
Tanke, Willard H., to Allis-Chalmers Mfg. Co. Plow with adjustable plow bottoms. 2,972,386, 2-21-61, Cl. 172—656.
Tanke, Willard H., to Allis-Chalmers Mfg. Co. Front mounted bedder. 3,004,611, 10-17-61, Cl. 172—308.
Tanker, George E., and N. C. Beerli, to The Weatherhead Co. Cylinder boss. 3,008,602, 11-14-61, Cl. 220—85.
Tann Corp.: *See*—
Abel, Martin L. 2,995,044.
Ovshinsky, Stanford R. 2,971,071.
Ovshinsky, Stanford R. 2,972,029.
Ovshinsky, Stanford R. 2,980,776.
Ovshinsky, Stanford R. 3,005,070.
Ovshinsky, Stanford R. and H. C. 2,995,635.
Tann, David: *See*—
Ovshinsky, Stanford R. 2,967,980.
Tann, David: Secured stud and method of attaching. 2,968,502, 1-17-61, Cl. 287—20.
Tannenbaum, Joseph, to United States of America, Army. Recoil mechanism. 2,966,829, 1-3-61, Cl. 89—43.
Tanner, Charles L. Valve. 2,995,337, 8-8-61, Cl. 251—282.
Tanner, Charles S., Co.: *See*—
Wagner, Josef. 2,999,646.
Tanner, David, to E. I. du Pont de Nemours and Co. Polycondensation product of a quinone and a phenol, method for preparing same, mixture thereof with a polyamide, and fiber thereof. 2,983,701, 5-9-61, Cl. 260—42.
Tanner, David, to E. I. du Pont de Nemours and Co. Irradiation bonding of acidic compounds to shaped polymeric structures. 2,999,056, 9-5-61, Cl. 204—154.
Tanner, De Loss J., to Admiral Corp. Circuit for reproducing color signal subcarrier. 2,998,479, 8-29-61, Cl. 178—5.4.
Tanner, Gustaf. Reduction of iron ore by hydrocarbons. 2,988,442, 6-13-61, Cl. 75—34.
Tanner, Herbert G. Coordination compounds and uses thereof. 2,980,583, 4-18-61, Cl. 167—58.
Tanner, Howard A. Fibrous microwave absorber. 2,977,591, 3-28-61, Cl. 343—18.
Tanner, James P. Anti-friction table slides. 3,013,849, 12-19-61, Cl. 311—71.
Tanner, John V., 55% to W. L. Wright. Ankle support device. 2,972,822, 2-28-61, Cl. 36—8.5.
Tanner, Paul H., and O. P. Nagel. High speed dental handpiece. 2,994,129, 8-1-61, Cl. 32—27.
Tanner Yolanda H. Traction mat. 3,008,643, 11-14-61, Cl. 238—14.
Tan-Sad Chair Co. (1931) Ltd., The: *See*—
Thompson, Stanley H. A. 2,980,166.
Tansel, Cecil L. Plow depth adjusting device. 2,990,891, 7-4-61, Cl. 172—239.
Tantlinger, Keith W., to Sea-Land Service, Inc. Hatch cover holddown dog. 2,991,108, 7-4-61, Cl. 292—256.5.
Tantlinger, Keith W., and R. G. Flagan, to Fruehauf Trailer Co. Wheel suspension and cantilever spring bracing therefor for trailer. 2,971,772, 2-14-61, Cl. 280—124.
Tanuma, Kazuo. Disposable can opener. 2,988,813, 6-20-61, Cl. 30—22.
Tanzberger, Eric W., and C. E. Green, to Dresser Operations, Inc. Stabilization of refrigeration centrifugal compressor. 3,011,322, 12-5-61, Cl. 62—196.
Tao, Luh C.: *See*—
Powell, Robert L., and Tao. 2,992,094.
Tao, Luh C., to Titanium Metals Corp. of America. Producing brittle titanium metal. 3,005,698, 10-24-61, Cl. 75—.5.
Tape Indexes, Inc.: *See*—
Ayers, Averill V., and Wilkinson. 3,002,768.
Tapereli, Geoffrey L., to W. H. Smith & Son (Alacra) Ltd. Machine for manipulating sheets or webs of stationery. 2,983,355, 5-9-61, Cl. 197—133.

Tapmatic Corp.: *See*—
Johnson, Allan S. 3,002,206.
Tappan Co., The: *See*—
Hoff, John M. 2,990,154.
Pollock, Earl S., and Hoeflich. 2,972,036.
Tapper, Robert J. Truck mounted fork lift. 2,993,607, 7-25-61, Cl. 214—75.
Tapper, Samuel. Prescription label panels. 3,003,273, 10-10-61, Cl. 40—307.
Tappere, Eric J.: *See*—
Strasheim, Albertus, and Tappere. 2,998,036.
Taras, John: *See*—
Randall, David I., Taras, and Martin. 2,980,709.
Taras, John, and D. I. Randall, to General Aniline & Film Corp. Phthalocyanine vat dyes. 3,009,919, 11-21-61, Cl. 260—314.5.
Tarasoff, Alexander P.: *See*—
Burton, John A., and Tarasoff. 2,972,462.
Tarbell, Harlan E., Jr.: *See*—
Boyer, William M., Gavlin, and Tarbell. 3,007,828.
Tarbox, George S. Outside thermometer. 2,986,035, 5-30-61, Cl. 73—376.
Tarbox, Jack M.: *See*—
Brown, Robert G. W., Farnsworth, Fulton, Gagner, and Tarbox. 2,970,019.
Tarbox, John P., to Sperry Rand Corp. Barrel knot tying mechanism. 2,987,335, 6-6-61, Cl. 289—2.
Tarbox, John W. Electric winding. 2,980,874, 4-18-61, Cl. 336—192.
Tarbuck, Robert R., and T. J. McKnight, to Burroughs Corp. Sheet stack advance mechanism. 2,992,820, 7-18-61, Cl. 271—39.
Tarbuk, F. M., & Co.: *See*—
Hermanus, Heinrich. 2,989,327.
Tarbutton, Grady, T. D. Farr, T. M. Jones, and H. T. Lewis, Jr., to Tennessee Valley Authority. Manufacture of ammonium cryolite. 2,981,597, 4-25-61, Cl. 23—88.
Tarbutton, Grady, T. D. Farr, T. M. Jones, and H. T. Lewis, Jr., to Tennessee Valley Authority. Manufacture of cryolite from waste gases. 2,981,598, 4-25-61, Cl. 23—88.
Tarbutton, Grady, T. M. Jones, J. C. Driskell, and C. M. Smith, to Tennessee Valley Authority. Manganese oxide process for the recovery of sulfur dioxide from waste gases. 2,984,545, 5-16-61, Cl. 23—178.
Tarczy-Hornoch, Zoltan, to Eldorado Electronics Co. Modular construction. 3,014,161, 12-19-61, Cl. 317—101.
Tardel, Kurt. Compound generator. 3,014,143, 12-19-61, Cl. 310—191.
Tardieu, Pierre, and R. Perieres, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Alumina manufacture in low-stack blast furnace. 3,009,778, 11-21-61, Cl. 23—142.
Target Machines, Inc.: *See*—
Hodge, Walter D., and Witherspoon. 2,989,045.
Tarleton, Frederic L., to General Electric Co. Refrigeration apparatus. 3,003,684, 10-10-61, Cl. 230—207.
Tarmina, Louis, to Union Bag-Camp Paper Corp. Foldable container. 3,014,633, 12-26-61, Cl. 229—16.
Tarney, Clyde H. Motor driven device for cleaning windows. 3,001,218, 9-26-61, Cl. 15—103.
Tarney, Robert E., to E. I. du Pont de Nemours and Co. Copolymers of ethylene. 3,000,866, 9-19-61, Cl. 260—80.5.
Tarnoff, Dorothy B.: *See*—
Duane, Jerome J., and Tarnoff. 2,999,265.
Tarpley, William B., Jr.: *See*—
Jones, James B., Straughn, and Tarpley. 2,998,391.
Straughn, John L., and Tarpley. 3,009,826.
Tarpley, William B., Jr., J. B. Jones, and J. L. Straughn, to Aeroprojects, Inc. Aerosolization and coating apparatus. 2,993,469, 7-25-61, Cl. 118—303.
Tarr, Robert G. Roller applicator tray and attachment. 2,977,624, 4-4-61, Cl. 15—257.06.
Tarrymont Inc.: *See*—
Pike, John A. 2,970,235.
Tarsey, Alexandre R.: *See*—
Boozenny, Alex, Kleinman, and Tarsey. 2,992,098.
Tarsuk, Michael: *See*—
Paxton, Stephen J., Ring, and Tarsuk. 3,007,673.
Tasa Coal Co.: *See*—
Letts, Harold D. 2,968,310.
Tasch, Andrew: *See*—
Marsal, Paul A., Urry, and Tasch. 2,977,401.
Taschenberg, Ernest J., to Koppers Co., Inc. Shaft seal. 2,986,413, 5-30-61, Cl. 286—11.11.
Taschenberg, Ernest J., and T. C. Kuchler, to Koppers Co., Inc. Teflon lip seal. 2,998,987, 9-5-61, Cl. 286—11.16.
Tasher, Fred C., to Pittsburgh Plate Glass Co. Front roll drive for window glass drawing apparatus. 2,974,447, 3-14-61, Cl. 49—17.
Tashiro, Frank K. Means for dispensing coiled wire from a container. 2,985,404, 5-23-61, Cl. 242—128.
Task Corp., The: *See*—
Rigney, Richard N. 3,007,065.
Ward, Elmer F. 3,007,064.
Tasker, Homer G., A. G. Van Alstyne, D. J. Green, D. V. Franke, W. T. O'Neil, R. C. Dye, R. W. Landee, R. H. Cother, J. R. Deen, and D. C. Arnold, to Gilfillan Bros. Inc. Automatic ground controlled approach systems. 2,980,902, 4-18-61, Cl. 343—7.
Tasker Instruments Corp.: *See*—
Sander, Wendell B. 2,976,430.
Tasker, Virgil A.: *See*—
Copeland, John S., Miller, and Tasker. 2,986,083.
Taskett, David A., to Systron-Donner Corp. Stabilized D.C. amplifier. 3,015,074, 12-26-61, Cl. 330—9.
Tasope Co., The: *See*—
Martz, Charles S. 2,976,635.
Tassara, Luigi. Resistor. 2,982,933, 5-2-61, Cl. 338—272.
Tassara, Luigi. Apparatus for applying metallic film to electrical components and the like. 2,997,979, 8-29-61, Cl. 118—49.
Tassin, Albert P.: *See*—
Hill, Alfred B., Becnel, and Tassin. 2,967,538.
Tassoni, Ronald L., to Westinghouse Electric Corp. Sealing arrangement for a divided tubular casing. 2,991,045, 7-4-61, Cl. 253—39.
Tatchell, Keith R.: *See*—
Clachan, Margaret L., McPherson, Tatchell, and Abbott. 3,000,849.
Tate, Bryce E.: *See*—
Bartlett, Paul D., and Tate. 2,978,460.
Bavley, Abraham, and Tate. 2,992,268.
Tate, Carl A., to Harbison-Walker Refractories Co. Method of forming a refractory setting. 2,974,374, 3-14-61, Cl. 18—60.
Tate, Donnie W. Hoop assembly for hoop skirts. 3,010,113, 11-28-61, Cl. 2—216.
Tate, Edward E.: *See*—
Kaye, Philip, and Tate. 2,981,965.
Peilet, Lester R., Kaye, and Tate. 2,981,963.
Tate, Frank G.: *See*—
Mueller, John J., and Tate. 2,987,394.
Tate, Lawrence A.: *See*—
Doty, Charles R., Smith, Tate, and Cackowski. 2,975,228.
Tate, Lawrence A., to International Business Machines Corp. Stored address memory. 2,981,931, 4-25-61, Cl. 340—172.5.
Tate & Lyle Ltd.: *See*—
Hawksley, Will. 2,984,591.
Tateishi, Arthur K. Four-speed turntable driving mechanism for phonographs and manual control instrumentalities therefor. 2,995,942, 8-15-61, Cl. 74—190.
Tateishi, Arthur K., and J. E. Stafford, to Seabreeze Mfg. Ltd. Combination high fidelity system. 2,983,795, 5-9-61, Cl. 179—100.11.
Tatel, Howard E., to United States of America, Navy. Magnetic detonator. 2,966,856, 1-3-61, Cl. 102—70.2.
Tatematsu, Masao: *See*—
Kawa, Junnosuke, Akioka, Kaneko, and Tatematsu. 2,994,246.
Tatlow, John C.: *See*—
Banks, Ronald E., Barbour, Patrick, and Tatlow. 3,004,077.
Patrick, Colin R., Stacey, and Tatlow. 3,000,976.
Tatnall, Joseph S.: *See*—
Mains, Gerald H., McGinnis, and Tatnall. 2,993,492.
Tatra, narodni podnik: *See*—
Zajac, Josef, Schön, and Černoch. 2,998,267.
Tatsch, Richard. Construction and installation of heating conduits of buildings. 2,978,779, 4-11-61, Cl. 25—118.
Tatsch, Richard. Building construction and air conduit structure therefor. 2,978,840, 4-11-61, Cl. 50—100.
Tatter, John W. Automobile door. 2,991,117, 7-4-61, Cl. 296—44.
Tatter, John W., ½ to L. E. Engleking and ½ by decree of distribution to M. W. and J. W. Tatter, in equal proportions. Propulsion system. 2,988,038, 6-13-61, Cl. 115—12.
Tatter, John W., ½ to L. E. Engleking, and ½ by decree of distribution to M. W. and J. W. Tatter, in equal proportions. Power boat hull. 2,989,939, 6-27-61, Cl. 114—56.
Tatter, John W., by decree of distribution in equal proportions to M. W. and J. W. Tatter. Adjustable seats having lazy tong supports. 2,993,675, 7-25-61, Cl. 248—421.
Tatter, John Wilbur: *See*—
Tatter, John W. 2,988,038.
Tatter, John W. 2,989,939.
Tatter, John W. 2,993,675.
Tatter, Marie W.: *See*—
Tatter, John W. 2,988,038.
Tatter, John W. 2,989,939.
Tatter, John W. 2,993,675.
Tatum, Joseph F. Metal casket and vault protection device. 2,974,389, 3-14-61, Cl. 27—1.
Taub, Bernard, to Allied Chemical Corp. Preparation of polyurethane foam using arylenedicarbamic acid ester catalyst. 3,001,955, 9-26-61, Cl. 260—2.5.
Taub, David: *See*—
Wendler, Norman L., and Taub. 2,973,375.
Taub, David, N. L. Wendler, and R. D. Hoffsommer, Jr., to Merck & Co. Inc. 16β-lower alkyl pregnane derivatives. 2,982,768, 5-2-61, Cl. 260—239.55.
Taub, William. α-keto-β-cycloalkanoyl-γ-lactones and their preparation. 3,013,021, 12-12-61, Cl. 260—343.6.
Taube, Carl, and K. Böckmann, to Farbenfabriken Bayer Aktiengesellschaft. Polyquaternary ammonium compounds. 3,009,761, 11-21-61, Cl. 8—74.
Taube, Fritz: *See*—
Scheufele, Erwin, Schrewe, and Taube. 2,976,585.
Taube, Joe A.: *See*—
Logan, Hugh H., Nelson, Dixon, and Taube. 2,999,248.
Taubert, Bernard: *See*—
Schaeren, Walter H., and Taubert. 3,013,330.
Taubert, Bernard. Fluidtight watch. 2,968,910, 1-24-61, Cl. 58—90.
Taubert, Rolf, to Atlas-Werke, Aktiengesellschaft. Sample introduction system for vacuum apparatus. 3,014,128, 12-19-61, Cl. 250—41.9.

Taubes, Ernest P., to Photo Devices, Inc. Apparatus for making prints. 2,996,980, 8–22–61, Cl. 101—132.5.
Taubman, Theodore: *See*—
Blumberg, Benjamin, Taubman, and Posner. 2,990,122.
Taubmann, Harro, to Fellner & Ziegler G.m.b.H. Charging top construction for blast furnaces. 3,014,603, 12–26–61, Cl. 214—18.2.
Taubmann, Harro, and J. Oberndörfer, to Fellner & Ziegler G.m.b.H. Armoring for mill drums or the like. 2,992,782, 7–18–61, Cl. 241—182.
Taudt, Heinz, to Dr.-Ing Rudolf Hell, Kommanditgesellschaft. Method and apparatus for inserting extraneous matter in screened half-tone printing plates upon production thereof. 3,004,100, 10–10–61, Cl. 178—6.6.
Taudt, Heinz, to Dr.-Ing. Rudolf Hell Kommanditgesellschaft. Method of successively producing the single records of a set of corrected photographic color separation records. 3,012,093, 12–5–61, Cl. 178—5.2.
Taul, Horst, and H. Indest, to Vereinigte Glanzstoff-Fabriken A.G. Process for the production of dulled or pigment-containing polyamides. 2,997,450, 8–22–61, Cl. 260—37.
Tausch, Gilbert H.: *See*—
Corley, Charles B., Jr., Tausch, and Kenneday. 3,003,560.
Tausch, Gilbert H., C. B. Corley, Jr., and J. W. Kenneday, to Jersey Production Research Co. Plural completion of wells. 2,994,380, 8–1–61, Cl. 166—191.
Tausch, Gilbert H., and J. W. Kenneday, to Jersey Production Research Co. Permanent well completion apparatus. 3,003,563, 10–10–61, Cl. 166—114.
Tausch, Gilbert H., to Jersey Production Research Co. Apparatus for performing operations in wells. 3,007,526, 11–7–61, Cl. 166—206.
Tauschek, Max J., to Thompson Ramo Wooldridge Inc. Temperature sensitive drive. 2,988,188, 6–13–61, Cl. 192—82.
Tauschek, Max J., and D. J. Seiler, to Thompson Ramo Wooldridge Inc. Valve spring retainer and lock. 3,008,687, 11–14–61, Cl. 251—337.
Tauscher, Clark B., to Mine Safety Appliances Co. Oxygen distribution system. 3,001,375, 9–26–61, Cl. 62—51.
Taussig, Dietrich: *See*—
Baud, Leon, and Taussig. 3,012,621.
Tavender, Walter K., to Reimers Electric Appliance Co., Inc. Steam-superheating and steam-emitting pressing irons. 2,987,839, 6–13–61, Cl. 38—77.
Taverna, Thomas: *See*—
Greenman, Joseph, Shalita, Taverna, and Cohen. 2,979,061.
Taves, Richard H. Apparatus for mulling beverages. 2,972,037, 2–14–61, Cl. 219—41.
Tavernier, Bernard H.: *See*—
De Cat, Arthur H., and Tavernier. 2,979,405.
De Cat, Arthur H., and Tavernier. 2,992,920.
Tavernier, Bernard H., M. L. Desmit, and A. H. De Cat, to Gevaert Photo-Producten N.V. Production of colored photographic images. 2,982,649, 5–2–61, Cl. 96—55.
Taves, Richard H. Bobby pin dispenser. 2,976,095, 3–21–61, Cl. 312—42.
Tawney, Pliny O.: *See*—
O'Brien, George E., and Tawney. 2,989,436.
Tawney, Pliny O., to United States Rubber Co. 2,6-di-t-butyl-4-(N-maleimidomethyl)-phenol. 3,000,900, 9–19–61, Cl. 260—326.5.
Tawney, Pliny O., and J. R. Little, to United States Rubber Co. Vulcanization of butyl rubber with para substituted phenol dialcohols, and curing bag produced thereby. Re. 25,007, 7–4–61, Cl. 18—45.
Tawney, Pliny O., G. H. Brice, and P. Viohl, to United States Rubber Co. Vulcanization of butyl rubber with 2,2'-methylene-bis-(4-nitro-6-acetoxymethylphenol) or 2,6-bis-(acetoxymethyl)-4-nitrophenol. 2,977,348, 3–28–61, Cl. 260—85.3.
Tayco Developments, Inc.: *See*—
Taylor, Paul H. 2,983,176.
Tayler, Colin A. M., to The British Oxygen Co. Ltd. Inert gas supply system for aircraft fuel tanks. 2,983,405, 5–9–61, Cl. 220—88.
Tayler, William R.: *See*—
Linzell, Harry K., and Tayler. 3,002,878.
Taylor, Alan S.: *See*—
Forsyth, Bruce A., and Taylor. 2,977,280.
Taylor, Alexander J. Battery voltage strength indicator. 2,991,413, 7–4–61, Cl. 324—29.5.
Taylor, Alfred G., to Jiffy Splint, Inc. Emergency leg splint. 2,984,239, 5–16–61, Cl. 128—87.
Taylor, Allan J., to Northrop Aircraft, Inc. Elevating trailer with laterally shiftable frame. 2,981,548, 4–25–61, Cl. 280—29.
Taylor, Arthur S.: *See*—
Bott, George S., and Taylor. 2,999,588.
Taylor, Arthur S., and J. A. Corley, to American Cyanamid Co. Double pinch valve. 2,985,192, 5–23–61, Cl. 137—627.5.
Taylor, Arthur W.: *See*—
Tench, John D., and Taylor. 2,988,528.
Taylor, Arthur W. C.: *See*—
O'Neill, William A., Taylor, and Dean. 3,012,038.
Taylor, Ben E. Mud flow indicator and system therefor. 2,985,731, 5–23–61, Cl. 200—81.9.
Taylor, Beverly W. Kaleidoscopes. 2,991,689, 7–11–61, Cl. 88—15.
Taylor, Billy W.: *See*—
Heneage, Peter, and Taylor. 2,990,257.
Taylor, Billy W., to Fisher Scientific Co. Histological manifolds. 3,009,258, 11–21–61, Cl. 34—92.
Taylor, Cecil A., to The Rawlplug Co. Ltd. Rotary drill heads. 3,000,225, 9–19–61, Cl. 74—22.
Taylor, Charles F., and J. C. Livengood, to Special Purpose Engine Co. Inc. High altitude power supply systems. 2,968,916, 1–24–61, Cl. 60—26.
Taylor, Charles H., to Radio Corp. of America. Automatic-gain control circuit. 3,005,094, 10–17–61, Cl. 250—20.
Taylor, Charles N. Tractor lift. 2,969,602, 1–31–61, Cl. 37—144.
Taylor, Clarence G.: *See*—
Maurer, John A., Ferguson, and Taylor. 2,985,226.
Maurer, John A., and Taylor. 3,004,802.
Taylor, Clarence R. Fluid motor. 3,002,504, 10–3–61, Cl. 121—59.
Taylor, Clarence R. Dispensing device. 3,002,660, 10–3–61, Cl. 222—490.
Taylor, Don A. Baton. 3,003,385, 10–10–61, Cl. 84—477.
Taylor, Donald B., to Hudson Pulp & Paper Corp. Multiwall bag and the like. 2,983,430, 5–9–61, Cl. 229—66.
Taylor, Donald M.: *See*—
Hubbard, Noel K., and Taylor. 2,973,398.
Taylor, Donald S., and N. P. Nies, to United States Borax & Chemical Corp. Production of sodium 1,5-borate. 3,010,786, 11–28–61, Cl. 23—59.
Taylor, Edgar A. Control for electric motor. 2,982,898, 5–2–61, Cl. 318—77.
Taylor, Edward C.: *See*—
Osdene, Thomas S., and Taylor. 2,975,180.
Taylor, Edward C. 6-p-teridinecarboxamidine and amidoxime derivatives. 3,012,034, 12–5–61, Cl. 260—251.5.
Taylor, Edward R., Jr., to E. I. du Pont de Nemours and Co. Aqueous emulsion concentrate for use in conditioning automobile cooling system liquids. 2,992,185, 7–11–61, Cl. 252—76.
Taylor, Edward W.: *See*—
Momberg, James W., and Taylor. 2,981,880.
Taylor, Edward W., and J. W. Momberg, to The Singer Mfg. Co. Transistor-controlled speed-regulating systems for series commutator motors. 2,981,879, 4–25–61, Cl. 318—246.
Taylor, Edwin P., H. O. J. Collier, and J. M. Z. Gladych, to Allen & Hanburys Ltd. Diquaternary salts of papaverino esters. 3,004,031, 10–10–61, Cl. 260—286.
Taylor Electrical Instruments Ltd.: *See*—
Fisher, Henry E. 2,992,301.
Taylor, Erle W., and H. C. Staehle, to Eastman Kodak Co. Film printing plate and method of manufacture. 3,003,413, 10–10–61, Cl. 101—149.2.
Taylor, Ernest F., and R. M. Poe, to E. K. Orr. Rotary louver traverse blind. 2,975,831, 3–21–61, Cl. 160—176.
Taylor, Ernest F., to E. K. Orr. Window blind construction. 2,993,535, 7–25–61, Cl. 160—173.
Taylor, Ernest R., C. H. Mahoney, and C. R. Lay, to United States of America, Atomic Energy Commission. Apparatus for non-destructive inspection of cantilevered members. 3,005,334, 10–24–61, Cl. 73—67.3.
Taylor, Eustace H.: *See*—
Menarik, Bernard A., and Taylor. 2,983,791.
Taylor, Florence E.: *See*—
Stearne, Willard F., and Bright. 3,000,011.
Taylor, Francis, Jr.: *See*—
Kaplan, Lloyd A., and Taylor. 3,002,098.
Taylor, Francis A., and T. M. Thomas Jr. to H. U. Garrett. Well packer. 2,979,132, 4–11–61, Cl. 166—138.
Taylor, Frank E.: *See*—
Luftman, Alvin S., Taylor, and Buckbee. 3,007,078.
McQuiston, Horace L., and Taylor. 2,978,828.
Taylor, Frank E., and J. A. Buckbee, to Raytheon Co. Spiral scanning circuit. 2,995,678, 8–8–61, Cl. 315—24.
Taylor, Frank F., Co., The: *See*—
Gill, Donald W. 2,973,804.
Gill, Donald W. 2,993,702.
Taylor, George A.: *See*—
Anderberg, Axel W., Reid, and Taylor. 2,971,791.
Ulrich, Robert E., and Taylor. 2,990,553.
Taylor, George D. Butter dispenser with sectional housing. 2,972,407, 2–21–61, Cl. 206—56.
Taylor, Gerald L., to E. I. du Pont de Nemours and Co. Controlling manganese ion impurities in permonosulfate bleaching. 2,996,350, 8–15–61, Cl. 8—111.
Taylor, Graham R., to Electronic Instruments Ltd. Electrical indicating or measuring instruments. 3,007,112, 10–31–61, Cl. 324—111.
Taylor, Halsey W., Co.: *See*—
Freer, Clyde P. 3,013,727.
Taylor, Harold M., and D. A. Stevenson, to R. W. Crabtree & Sons Ltd. Sheet gripper mechanism. 3,007,408, 11–7–61, Cl. 101—409.
Taylor, Harwood S., Jr.: *See*—
Howell, Chester E., Jr., and Taylor. 2,980,241.
Taylor, Herbert J., to Pioneer Electric Brandon Ltd. Transformer overload indicating system. 2,989,738, 6–20–61, Cl. 340—248.
Taylor, Hiram: *See*—
Ryshkewitch, Eugene I., and Taylor. 2,979,414.
Taylor, Homer H. Toilet seat elevator. 2,980,922, 4–25–61, Cl. 4—235.
Taylor, Howard S., to Airguide Instrument Co. Marine speedometer. 2,977,794, 4–4–61, Cl. 73—182.
Taylor, Hubert L.: *See*—
Kolthoff, Aage T., and Taylor. 2,997,790.

Taylor Instrument Cos.: *See*—
Balliett, Charles C. 3,009,084.
Griswold, Augustus W., and Klumb. 2,979,068.
Jaquith, Howard R. 2,992,552.
Peatross, Edwin L. 2,985,183.
Taylor, James L., ½ to H. C. Miller. Protective apparatus for combination locks. 3,013,426, 12–19–61, Cl. 70—1.5.
Taylor, John B., to The British Plaster Board (Holdings) Ltd. Cementitious material. 2,979,415, 4–11–61, Cl. 106—88.
Taylor, John B., and J. S. Krizka, to General Aniline & Film Corp. Single powder photographic developers. 2,979,406, 4–11–61, Cl. 96—66.
Taylor, John E.: *See*—
Noxon, Paul A., Taylor, and Jarvis. 3,002,713.
Taylor, John E., to Thompson Ramo Wooldridge Inc. Variable geometry diffuser control for jet engines. 2,976,677, 3–28–61, Cl. 60—35.6.
Taylor, John J., to The Ohio Brass Co. Conductor spacers. 2,973,401, 2–28–61, Cl. 174—40.
Taylor, John J., to The Ohio Brass Co. Conductor spacers. 2,973,402, 2–28–61, Cl. 174—40.
Taylor, John J., to The Ohio Brass Co. Transmission line spacer. 2,973,403, 2–28–61, Cl. 174—40.
Taylor, John R. Exercising device. 2,973,203, 2–28–61, Cl. 272—81.
Taylor, John R. Barrow-type exercising device. 3,007,699, 11–7–61, Cl. 272—81.
Taylor, John R. C. Hip-quiver. 2,987,230, 6–6–61, Cl. 224—5.
Taylor, John W., Jr.: *See*—
Lawsine, Leo, McIver, and Taylor. 2,980,769.
Taylor, John W., Jr., and R. E. Reise, to Westinghouse Electric Corp. Delayed pulse generator with exponentially functioning voltage coincidence timer. 2,997,601, 8–22–61, Cl. 307—88.5.
Taylor, Jolly J. Stabilized petroleum oil, grease and wax compositions containing dibasic lead phosphite. 2,975,129, 3–14–61, Cl. 252—25.
Taylor, Joseph H. Tractor attached harrow. 2,997,116, 8–22–61, Cl. 172—239.
Taylor, Joseph K.: *See*—
Dunlap, Charles K., Broadbent, and Taylor. 3,000,590.
Taylor, Joseph W., B. A. Abercrombie, and V. B. Scott, to U.S. Industries, Inc. Automatic shut-off valve. 2,995,146, 8–8–61, Cl. 137—458.
Taylor, Laurens A.: *See*—
Green, Charles F., Taylor, Kling, and Metcalf. 3,007,050.
Taylor, Laurens A., to United States of America, War. Radiation detector apparatus. 2,999,934, 9–12–61, Cl. 250—83.3.
Taylor, Lorenzo D.: *See*—
Robson, Homer L., Taylor, and Heinze. 2,988,514.
Taylor, Lundy, and L. C. Brown. Muck hailing attachment for mine skips. 2,969,886, 1–31–61, Cl. 214—741.
Taylor Mfg. Co., Inc.: *See*—
Chalich, Charles. 2,999,604.
Putman, Raymond C., Sr. 2,992,717.
Taylor, Marvin, to American Bosch Arma Corp. Gyroscopic suspension. 2,992,562, 7–18–61, Cl. 74—5.
Taylor, Merritt A., to The Seamless Rubber Co. Rubber article containing oil coated reflectant particles and process of making. 3,006,873, 10–31–61, Cl. 260—5.
Taylor, Michael: *See*—
Preston, Robert W. G., and Taylor. 2,991,248.
Taylor, Moddie D.: *See*—
Boyd, George E., Russell, and Taylor. 2,992,249.
Taylor, Norman W., to Harris-Intertype Corp. Apparatus for feeding sheets from a pile. 2,968,481, 1–17–61, Cl. 271—62.
Taylor, Oliver W.: *See*—
Abrahams, William H., Jr., and Taylor. 2,991,563.
Taylor, Paul E.: *See*—
Bookout, Charles C., Sattavara, and Taylor. 2,988,889.
Taylor, Paul H., to Tayco Developments, Inc. Stripper construction for a perforator. 2,983,176, 5–9–61, Cl. 83—138
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Ryan, John J., and Taylor. 3,006,784.
Ryan, John J., and Taylor. 3,006,879.
Taylor, Philip. Half-tone visual film scanner. 2,985,088, 5–23–61, Cl. 95—95.
Taylor, Philip H., to Northrop Corp. Diffusion scanner. 3,001,437, 9–26–61, Cl. 88—1.
Taylor, Philip M.: *See*—
Burlinson, Roy F., Brockman, Taylor, and Young. 2,975,639.
Young, Llewellyn, Taylor, and Brockman. 2,968,182.
Taylor, Raymond G., Jr., to Borg-Warner Corp. Peripherally stiffened pipe wiper. 2,966,690, 1–3–61, Cl. 15—210.
Taylor, Raymond G., Jr., to Borg-Warner Corp. Swab assembly. 2,997,964, 8–29–61, Cl. 103—225.
Taylor, Reginald J.: *See*—
Roylance, Alan, Paul, and Taylor. 2,976,156.
Taylor, Richard A., to Babcock & Wilcox Ltd. Material handling plant. 2,995,504, 8–8–61, Cl. 204—193.2.
Taylor, Robert B.: *See*—
Johnson, Paul V., Taylor, and Dunne. 2,980,265.
Taylor, Robert B. Proportioning and metering device for liquids. 2,980,292, 4–18–61, Cl. 222—36.
Taylor, Robert B., to Structural Clay Products Research Foundation. Load bearing sound absorbing clay tile unit. 3,001,602, 9–26–61, Cl. 181—33.
Taylor, Robert C.: *See*—
Conn, John B., and Taylor. 2,999,005.
Taylor, Robert G.: *See*—
Foster, Michael R., and Taylor. 3,008,427.
Taylor, Robert S. Antenna heat placement. 2,992,313, 7–11–61, Cl. 219—19.
Taylor, Romie A., and J. P. Strachan, to General Dynamics Corp. Rivet. 2,991,858, 7–11–61, Cl. 189—36.
Taylor, Roy E. Toothbrush and paste kit. 2,990,833, 7–4–61, Cl. 132—84.
Taylor, Ruel E., Jr., to Hudson Pulp and Paper Corp. Paper perforating mechanism. 3,008,366, 11–14–61, Cl. 83—346.
Taylor, S B. Engine synchronizing mechanism with hydraulic actuation. 2,970,442, 2–7–61, Cl. 60—54.6.
Taylor, Samuel K. Liquid metering gauge. 2,994,221, 8–1–61, Cl. 73—113.
Taylor, Smith & Taylor Co., The: *See*—
Bower, James A. 2,991,211.
Elliott, Walter L. 3,005,248.
Taylor Spring and Mfg. Co.: *See*—
Basile, Carmen L., Terry, Tullgren, and Kaufmann. 3,000,405.
Taylor, Stanford E., to Educational Development Laboratories, Inc. Flash reading means. 2,996,813, 8–22–61, Cl. 35—35.
Taylor, Taylor & Hobson Ltd.: *See*—
Annett, Albert E., and Bartlett. 2,983,188.
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Cook, Gordon H. 2,983,192.
Reason, Richard E. 2,972,250.
Taylor, Thomas S.: *See*—
Huntress, Howard B., and Taylor. 3,009,324.
Taylor, Thomas, & Sons, Inc.: *See*—
Yuryan, Joseph B. 2,981,498.
Taylor, Walter E.: *See*—
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Taylor, Walter J., Jr., to The Martin Co. Deceleration controller. 2,994,655, 8–1–61, Cl. 204—193.2.
Taylor, Wesley A.: *See*—
Mast, Gifford M., Gannett, and Taylor. 2,998,188.
Taylor, Wilbur S., to R. T. Vanderbilt Co., Inc. Bacteriostatic cleansing compositions. 2,977,316, 3–28–61, Cl. 252—107.
Taylor, William B., and W. H. Griffin, to Atlas Pipe Inc. Threaded pipe joint having an extrudable generally non-resilient sealing means. 2,980,451, 4–18–61, Cl. 285—332.3.
Taylor, William B., and O. T. Broyles. Formation tester. 3,009,518. 11–21–61, Cl. 166—100.
Taylor, William C., to Owens-Corning Fiberglas Corp. Thermal insulating material and method of making same. 3,001,882, 9–26–61, Cl. 106—120.
Taylor, William E., to Motorola, Inc. Semiconductor assembly and method of forming same. 2,971,869, 2–14–61, Cl. 148—1.5.
Taylor, William E., and R. F. Russi, to Motorola, Inc. Crystal pulling apparatus. 2,975,036, 3–14–61, Cl. 23—273.
Taylor, William H.: *See*—
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Taylor, William H. Method and apparatus for chilling carcasses of slaughtered animals. 2,967,405, 1–10–61, Cl. 62—284.
Taylor, William H. Control for model aircraft. 2,977,117, 3–28–61, Cl. 272—31.
Taylor, William H. Apparatus and method for bagging articles. 3,001,347, 9–26–61, Cl. 53—151.
Taylor, William J.: *See*—
McVicker, Carl L., and Taylor. 2,991,174.
Taylor, William S.: *See*—
Eschenburg, William A., and Taylor. 2,969,650.
Taylor, William S., to Minneapolis-Honeywell Regulator Co. Measuring apparatus. 2,967,429, 1–10–61, Cl. 73—359.
Taylor, William W. Manhole structure. 2,997,932, 8–29–61, Cl. 94—34.
Taylor, William W., and R. O. Spencer. Power driven ice cream dispenser. 3,003,437, 10–10–61, Cl. 107—8.
Taylor, William W., and R. O. Spencer. Phonograph record vacuum cleaner. 3,005,223, 10–24–61, Cl. 15—310.
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McConnell, William M. 2,984,000.
McConnell, William M. 2,987,096.
McConnell, William M. 3,005,638.
Taylor-Winfield Corp., The: *See*—
Cooper, Joseph H. 3,007,031.
Riley, Joseph J. 3,001,162.
Riley, Joseph J., Dethier and Bigowsky. 3,010,049.
Seeloff, Melvin M. 2,983,256.
Seeloff, Melvin M. 2,983,891.
Seeloff, Melvin M., and Campbell. 2,980,074.
Seeloff, Melvin M., and Hansen. 2,983,809.
Uhrain, Michael C. 2,970,206.
Taylorix Organisation Stiegler, Hausser & Co.: *See*—
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Taynton, Ralph, to Melpar, Inc. Stapling device. 2,987,729, 6–13–61, Cl. 1—220.
Tazioli, Geno. Pipe tongs. 3,008,753, 11–14–61, Cl. 294—118.
Tcheditch, Pierre, and C. Beaugrand, to Compagnie Generale de Telegraphie Sans Fil. Ultra high frequency switches. 2,991,432, 7–4–61, Cl. 333—13.
Tea Corp.: *See*—
Melzard, Douglas E., Kendall, and Karas. 2,978,328.
Teaf, John H.: *See*—
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Teagle, Richard E.: *See*—
Barnett, Charles H., and Teagle. 2,988,351.
Teague, Walter D., Jr. Reclining chair mechanism. 3,010,761, 11-28-61, Cl. 297—84.
Teal, Joseph L. Seed furrow plow. 3,005,502, 10-24-61, Cl. 172—726.
Tear, James D., to Sperry Rand Corp, Ford Instrument Co. Division. Force measuring apparatus. 3,002,389, 10-3-61, Cl. 73—514.
Teaseli, Ronald H., to General Motors Corp. Controllers for split-phase electric motors. 3,007,062, 10-31-61, Cl. 307—112.
Tebb, Bernard, and C. H. Perry, to Mastabar Mining Equipment Co. Ltd. Hook fastener for transmission or conveyor belts. 2,983,974, 5-16-61, Cl. 24—33.
Tebb, Bernard, and C. H. Perry, to Mastabar Mining Equipment Co. Ltd. Extensible hydraulic supports. 2,985,418, 5-23-61, Cl. 248—354.
Tebb, Bernard, and C. H. Perry, to Mastabar Mining Equipment Co. Ltd. Fluid pressure control valves. 2,987,075, 6-6-61, Cl. 137—543.17.
Tebboth, John A., to The British Oxygen Co. Ltd. Granular porous mass for an acetylene pressure vessel and the preparation thereof. 3,005,782, 10-24-61, Cl. 252—457.
Tebbs, George W., to McCorquodale Colour Display Ltd. Sheet feed mechanism. 3,007,439, 11-7-61, Cl. 118—411.
Tecalemit Ltd.: *See*—
Jackson, Harold E., and Rosenfeld. 3,013,667.
Tecfab, Inc.: *See*—
Greene, William L. 2,986,848.
Ocker, Raymond J. 2,989,155.
Tech, Kurt O.: *See*—
Cross, Ralph E., and Tech. 2,982,157.
Tech, Kurt O., and H. A. Martens, to The Cross Co. Control mechanism for machine tools and the like. 2,978,689, 4-4-61, Cl. 340—222.
Tech, Kurt O., and G. D. Pierce, to The Cross Co. Tool control unit. 3,013,258, 12-12-61, Cl. 340—267.
Tech-Art Inc.: *See*—
MacLeod, Donald. 2,975,569.
Techler, Thomas W.: *See*—
Kryzer, Benjamin H., Techler, and Thompson. 3,003,638.
Techna Anstalt fur Verwertung Technischer Neuheiten: *See*—
Groux, Georges. 3,013,460.
Technica Etablissement: *See*—
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Technical Industries, Inc.: *See*—
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Technical Oil Tool Corp., Ltd.: *See*—
Abs, Alfred J., and Suter. 3,009,355.
Technical Operations, Inc.: *See*—
Clarke, Eric T. 2,982,857.
Prest, Robert J. 2,976,423.
Technical Rubber Co., Inc.: *See*—
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Technical Tape Corp.: *See*—
Greenman, Joseph, Shallta, Taverna, and Cohen. 2,979,061.
Technicolor Corp.: *See*—
Ames, Malcolm H. 2,977,866.
Dixon, Thomas P. 2,981,791.
Imus, Henry O., and Schmit. 2,995,977.
Tall, Leonard H. 2,997,168.
Tobey, Arthur R. 2,996,574.
Technicon Chromatography Corp.: *See*—
Whitehead, Edwin C., Ferrari, and Isreeli. 3,010,798.
Whitehead, Edwin C., Ferrari, and Isreeli. 3,010,800.
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Ferrari, Andres, Jr. 2,983,184.
Ferrari, Andres, Jr. 3,014,848.
Isreeli, Jack. 2,999,417.
Kessler, Gerald. 2,999,673.
Looney, Joseph M., Jr., Fraser, and Martin. 2,979,684.
Skeggs, Leonard T. 2,967,764.
Thiers, Ralph E., Vallee, and Fuwa. 2,990,749.
Vallee, Bert L., Thiers, and Fuwa. 2,990,748.
Whitehead, Edwin C., and Ferrari. 2,976,761.
Youra, Charles. 2,981,914.
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Shortt, Hubert L., and Langton. 3,002,260.
Technology Instrument Corp. of Acton: *See*—
Forrest, John W. 2,982,824.
Fraser, Alton W., Looney, and Martin. 3,007,126.
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Tecnifax Corp.: *See*—
Trump, Frederick O. 2,986,081.
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Snelson, Howard J., and Prior. 2,975,470.
Teddlie, Eric A., to Collins Radio Co. Connection-board-selector shaft positioning servosystem. 3,001,119, 9-19-61, Cl. 318—467.
Tedeschi, Franco. Variable delivery feeder. 2,994,459, 8-1-61, Cl. 222—41.
Tedeschi, Ralph E., to Smith Kline & French Laboratories. Monoamine oxidase inhibition. 2,997,422, 8-22-61, Cl. 167—65.
Tedeschi, Robert J.: *See*—
Leeds, Morton W., and Tedeschi. 2,989,567.
Tedeschi, Robert J., to Air Reduction Co., Inc. Process for production of 1,4 saturated diols. 2,992,278, 7-11-61, Cl. 260—617.
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Tedford, Charles B., to United States of America, Navy. Electronic switching circuiting. 2,978,645, 4-4-61, Cl. 328—101.
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Teel, William A. Mobile home support. 2,979,304, 4-11-61, Cl. 248—354.
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Ellies, Ernest E. Re. 24,992.
Parlour, A. Kenneth. 2,979,410.
Teeple, James R.: *See*—
Donohue, Frank L., and Teeple. 2,994,057.
Teeple, Lawrence R., Jr.: *See*—
Buck, Willard E., and Teeple. 2,968,990.
Teer, Kees, to North American Philips Co., Inc. Transmission system for television signals. 2,975,233, 3-14-61, Cl. 178—5.6.
Teer, Kees, to North American Philips Co., Inc. Transmission system for television signals. 2,986,597, 5-30-61, Cl. 178—6.
Teeter, Dwight L.: *See*—
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Teeter, Ford C., and V. R. Kahler, to Sinclair Refining Co. Acid-tolerating soluble oil composition. 2,968,621, 1-17-61, Cl. 252—49.5.
Teetor, Ralph R., to Perfect Circle Corp. Speed control device for an automotive vehicle. 2,973,051, 2-28-61, Cl. 180—82.1.
Tegen, Richard K., and L. L. Hewitt. Model airplanes. 2,985,984, 5-30-61, Cl. 46—77.
Tegge, Bruce R.: *See*—
Kelley, Roland T., Walker, and Tegge. 3,005,808.
Ross, James F., Tegge, and Kenyon. 2,980,742.
Tegge, Bruce R., to Esso Research and Engineering Co. Process for modifying an isoolefin polymer. 2,988,527, 6-13-61, Cl. 260—28.5.
Tegge, Bruce R., and J. F. Ryan, to Esso Research and Engineering Co. Recovery process for high molecular weight polymers. 2,996,492, 8-15-61, Cl. 260—93.7.
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Bachmann, Harold, and Tegtmeyer. 2,968,438.
Tehle, Edward A., Jr.: *See*—
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Larue, Herschel C., and Petersen. 3,000,120.
Petersen, Walter C., and La Rue. 2,982,104.
Teichert, Conrad A.: *See*—
Shade, William S., and Teichert. 3,006,556.
Teichmann, Charles F., to Texaco Development Corp. Process for recovery of uranium from fossil fuels. 3,000,696, 9-19-61, Cl. 23—14.5.
Teichmann, Charles F., and A. D. Garrison, to Texaco Development Corp. Underground storage of fluids in clay beds. 2,983,103, 5-9-61, Cl. 61—.5.
Teigen, Ferdinand A., to Allium, Inc. Method of preparing onions for shipment. 2,978,333, 4-4-61, Cl. 99—100.
Teitel, Robert J., to The Dow Chemical Co. Means for processing nuclear reactor fuel elements. 2,974,942, 3-14-61, Cl. 266—9.
Teitel, Robert J., to United States of America, Atomic Energy Commission. Control means for a nuclear reactor. 2,999,060, 9-5-61, Cl. 204—193.2.
Teja, Jayanti D., to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Preparation of siliceous materials. 2,969,272, 1-24-61, Cl. 18—54.
Tejada-Flores, Luis H.: *See*—
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Tektronix, Inc.: *See*—
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Redlich, Horst. 2,977,424.
Telecommunication Radioelectriques et Telephoniques T.R.T. (Societe Anonyme): *See*—
Beucher, Charles. 2,979,610.
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Telecomputing Corp.: *See*—
Bennett, William E. 2,982,139.
Bennett, William E. 2,982,140.
Phillips, Delbert L. 2,990,782.
Phillips, Delbert L. 2,997,639.
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Anderson, Sven G. 2,993,188.
Anderson, Sven G. 3,007,132.
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Johannesson, Sven E. E. 2,993,151.
Lindberg, Karl G. H., Person, and Thorsen. 3,005,051.
Lundkvist, Karl A., Ericsson, Johnson, and Alexanderasson. 3,001,023.
Osterberg, Nils E. 2,973,416.
Scheftelowitz, Henry. 2,974,282.
Wiberg, Eric A. 2,973,464.

Telefonbau und Normalzeit G.m.b.H.: *See*—
Heil, Friedrich. 2,970,538.
Heil, Friedrich, and Muller. 2,975,970.
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Springer, Anton M. 2,977,423.
Springer, Anton M. 2,996,583.

Telefunken G.m.b.H.: *See*—
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Batsch, Helmut, and Freise. 3,002,056.
Börner, Manfred. 2,969,511.
Borner, Manfred. 2,994,047.
Bruch, Walter. 2,977,469.
Burkhardt, Gisbert. 2,975,703.
Dehmelt, Friedrich W. 2,992,144.
Dehmelt, Friedrich W. 2,998,335.
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Fischer, Georg, Lange, and Dinse. 2,975,242.
Freise, August. 3,013,126.
Handler, Wolfgang, and Leilich. 3,008,638.
Heidester, Rudolf. 2,989,591.
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Kallweit, Herbert, and Veith. 2,984,534.
Kettel, Ernst Börner, and Ohnsorge. 3,013,228.
Kirsch, Kurt, and Weinreich. 2,991,893.
Klossika, Walter. 2,996,801.
Klossika, Walter. 2,998,555.
Koch, Gerhard. 2,975,420.
Kratochvil, Friedrich, and Richter. 2,991,392.
Loffelbein, Hans-Joachim. 2,970,562.
Lueg, Heinz, Schallehn, and Toedter. 3,003,147.
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Maurer, Robert, and Sittner. 3,008,103.
Minner, Willy. 2,997,658.
Peter, Eugen. 2,999,223.
Pollak, Alfred. 2,986,703.
Pollak, Alfred. 2,999,898.
Redlich, Horst, Angenendt, and Neumann. 3,014,992.
Rockstuhl, Fritz G. R. 2,975,353.
Runge, Wilhelm T., Betzenhammer, and Henze. 2,970,281.
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Schroter, Fritz. 3,006,989.
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Troost, Albert, Schmucker, Maass, Slupka, and Baur. 2,994,871.
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Telemeter Magnetics, Inc.: *See*—
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Telephone Mfg. Co. Ltd.: *See*—
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Telephonics Corp.: *See*—
Nehrbas, Thomas C., and Luntz. 2,982,860.

Teleprinter Corp.: *See*—
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Howard, Bernard. 2,977,413.

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Teleregister Corp., The: *See*—
Darois, Paul F. 2,991,459.
Gaffney, Francis J., Wesley, and Bukowski. 2,968,693.
Gaffney, Francis J., Wesley, and Bukowski. 3,011,022.
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Telesca, Donato, to Consolidated Molded Products Corp. Multiple compartment carrier for beverage containers. 2,998,899, 9–5–61, Cl. 220—102.

Telescope Folding Furniture Co., Inc., The: *See*—
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Teletrak Corp., The: *See*—
Fay, James P. 2,968,701.
Fay, James P. 2,968,702.

Teletype Corp.: *See*—
Alonas, Kay. 2,998,913.
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Barry, Philip H., and Swanson. 3,008,005.
De Boo, Jerome L. 2,989,590.
De Boo, Jerome L. 3,014,092.
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Gough, George L. 2,997,532.
Gough, George L., Jr. 3,003,094.
Gough, George L., Jr. 3,013,739.
Grear, Horace S., and Kamen. 2,998,843.
Haggadone, L. V. 3,003,032.
Nordin, Robert W. 2,980,759.
Nordin, Robert W. 3,014,094.
Schmitz, Paul R. 2,969,173.
Sim, Gordon. 2,969,432.
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Simms, Paul R. 2,980,210.
Wray, Phillip G. 2,986,649.
Zenner, Walter J. 3,014,093.

Television Associates, Inc.: *See*—
Eddy, William C., Jr. 2,973,066.
Eddy, William C., Jr. 2,973,067.
Eddy, William C., Jr. 2,987,054.

Telex, Inc.: *See*—
Holt, Norman H., and Erickson. 2,999,136.

Telfer, Robert G. J.: *See*—
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Telfer, Thomas A., to General Electric Co. Method of making bonded wire circuit. 2,977,672, 4–4–61, Cl. 29—155.5.

Telfer, Waids B.: *See*—
Simpson, Arthur W. 2,973,537.

Telford, Caryle O. Controlled depth trolling device. 2,979,851, 4–18–61, Cl. 43—43.13.

Telkes, Maria. Temperature stabilized container and materials therefor. 2,989,856, 6–27–61, Cl. 62—371.

Tell, William J., and P. Zerhan, Jr. Exhaust through rear bumper. 2,992,035, 7–11–61, Cl. 293—69.

Tellefsen, Harold E., and R. L. White, to Information Systems, Inc. Differential matrix driver. 2,979,700, 4–11–61, Cl. 340—174.

Tellefsen, Olaf. Lightweight concrete mooring float assembly. 3,012,533, 12–12–61, Cl. 114—.5.

Tellep, David, to International Business Machines Corp. Counting and readout apparatus. 3,002,685, 10–3–61, Cl. 235—92.

Tellepsen Construction Co.: *See*—
Symmank, William D. 3,004,392.

Tellepsen, Howard T.: *See*—
Haring, Ivan P. 2,975,580.

Teller, W. Kedzie, to Weco Products Co. Bacteriostatic articles and method of manufacture. 3,005,720, 10–24–61, Cl. 106—15.

Tellerman, Jacob, to American Bosch Arma Corp. Analog to digital transducer. 2,995,736, 8–8–61, Cl. 340—347.

Tellier, Ovide. Tandem undercarriage. 2,985,251, 5–23–61, Cl. 180—22.

Teli-Tronics Products, Inc.: *See*—
McConnell, George T. 3,014,371.

Tel-Wardi, Mayer. Packing containers. 2,997,163, 8–22–61, Cl. 206—41.2.

Telzrow, Gordon A. Model aircraft control. 3,014,718, 12–26–61, Cl. 272—31.

Temco Electronics & Missiles Co.: *See*—
Brunow, Charles L., Dunn, and Pitts. 3,008,376.
Pitts, Richard R. 2,998,213.

Temescal Metallurgical Corp.: *See*—
Smith, Hugh R., Jr. 2,998,376.

Tempera Corp.: *See*—
Sanford, Paul W. 3,011,517.

Temple, Abury H.: *See*—
Menge, Theodore L., Sr. 2,972,910.

Temple, Ernest E.: *See*—
Temple, Robert and E. E. 2,970,506.
Temple, Robert and E. E. 3,003,235.
Temple, Stanley A., E. E., and R. 2,970,314.

Temple, Ernest E., to Mine Safety Appliances Co. Explosively actuated stud driving tool. 3,003,150, 10–10–61, Cl. 1—44.5.

Temple, Ernest E. and R., to Mine Safety Appliances Co. Pipe flaring tool. 2,993,522, 7–25–61, Cl. 153—79.

Temple, Fred, to Westinghouse Air Brake Co. Combined automatic and manual drain valve. 3,004,549, 10–17–61, Cl. 137—204.

Temple Iron Works, Inc.: *See*—
Menge, Theodore L., Sr. 2,972,910.

Temple, Peter L., and C. J. M. Beerens, to Imperial Chemical Industries of Australia and New Zealand Ltd. Separable electrical connection. 2,972,125, 2–14–61, Cl. 339—61.

Temple, Robert: *See*—
Temple, Ernest E. and R. 2,993,522.
Temple, Stanley A., E. E., and R. 2,970,314.

Temple, Robert and E. E., to Mine Safety Appliances Co. Explosively actuated cable cutting tool using a live cartridge for producing gaseous pressure. 2,970,506, 2–7–61, Cl. 83—639.

Temple, Robert and E. E., to Mine Safety Appliances Co. Cable cutting tool. 3,003,235, 10–10–61, Cl. 30—180.

Temple, Stanley A., E. E., and R., to Mine Safety Appliance Co. Explosively actuated nail driving tool. 2,970,314, 2–7–61, Cl. 1—106.

Temple-White Co., Inc.: *See*—
White, Herbert C., Jr. 2,969,996.

Templer, Charles E., and D. M. Lainchbury, to The British Oxygen Co. Ltd. Apparatus for storing and dispensing liquefied gases. 2,997,855, 8–29–61, Cl. 62—52.

Templet Industries Inc.: *See*—
Berlin, Milton, and Rheingold. 3,000,251.
Rheingold, Lawrence M., and Berlin. 2,974,704.

Templeton Coal Co., Inc.: *See*—
Morey, Glen H. 2,982,932.
Morey, Glen H. 2,985,860.

Templeton, Herbert W., to Thompson Ramo Wooldridge Inc. Metering valve seal. 2,992,817, 7–18–61, Cl. 267—64.

Templeton, Herbert W., to Thompson Ramo Wooldridge Inc. Metering valve. 3,007,693, 11–7–61, Cl. 267—64.

Templeton, John B. Marine drilling methods and apparatus. 3,001,370, 9–26–61, Cl. 61—46.5.

Templeton, Robert A. S. Method of making an animal feed. 2,971,843, 2–14–61, Cl. 99—2.

Templeton, Robert A. S. Treatment of products and materials. 3,003,249, 10–10–61, Cl. 34—208

Templeton, William B., to Burroughs Corp. Carriage tabulation control mechanism for calculating machines. 3,007,564, 11–7–61, Cl. 197—177.

Templeton, William B., M. Siegel, and K. L. Lockey, to Burroughs Corp. Electric typewriter operating mechanism. 2,973,078, 2–28–61, Cl. 197—17.

Templewood Hawksley Ltd.: *See*—
Wald, Joseph. 2,984,192.

Templin, Philip R.: *See*—
Kaufman, John J., and Templin. 2,969,340.

Templin, Robert J.: *See*—
Lobdell, Wallace A., and Templin. 2,988,074.

Templin, Walter M., to Aircraft Products Co. Altitude control device for automatic pilots. 2,983,277, 5–9–61, Cl. 137—81.

Templon Spinning Mills, Inc.: *See*—
Virgil, Richard. 2,976,578.

Temprite Products Corp.: *See*—
Castillo, Herman B. 3,012,571.
Gibiser, Frank A. 3,012,570.
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Ten Bosch, M., Inc.: *See*—
Ten Bosch, Maurits, and Lang. 2,971,401.
Ten Bosch, Maurits, and Lang. 2,983,150.
Ten Bosch, Maurits, and Lang. 2,999,390.

Ten Bosch, Maurits, and P. Lang, to M. Ten Bosch, Inc. Constant speed and synchronous drive systems. 2,971,401, 2–14–61, Cl. 74—665.

Ten Bosch, Maurits, and P. Lang, to M. Ten Bosch, Inc. Non-tumbling gyroscope unit. 2,983,150, 5–9–61, Cl. 74—5.2.

Ten Bosch, Maurits, and P. Lang, to M. Ten Bosch, Inc. Non-tumbling vertical gyroscope system. 2,999,390, 9–12–61, Cl. 74—5.34.

Ten Brink, Karl C., to Texaco Inc. Method for producing hydrocarbons in an in situ combustion operation. 3,013,609, 12–19–61, Cl. 166—39.

Ten Broeke, Jan: *See*—
Chamberlin, Earl M., Chemerda, Ten Broeke, and Tristram. 2,982,776.

Tench, Donald A.: *See*—
Mowry, Fred W., and Tench. 2,972,836.

Tench, George E.: *See*—
Nelson, Robert E., and Tench. 2,981,240.

Tench, John D., and A. W. Taylor, to Sun Oil Co. Wax compositions. 2,988,528, 6–13–61, Cl. 260—28.5.

Tendick, Frank H., P. E. Thompson, and E. F. Elslager, to Parke, Davis & Co. Taeniacidal agents and means of producing the same. 3,012,036, 12–5–61, Cl. 260—279.

Ten Eyck, Edward H., and G. P. Larson, to E. I. du Pont de Nemours and Co. Pyrolysis of fluorocarbons to hexafluoropropylene. 2,970,176, 1–31–61, Cl. 260—653.3.

Tenger, Jan, to North American Philips Co., Inc. Device for holding objects more particularly welding rods. 2,999,289, 9–12–61, Cl. 24—248.

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Tengwall, Goran A. Plotting device intended for continuous analysis of radar indications aboard ships. 2,979,821, 4–18–61, Cl. 33—1.

Ten Haken, Pieter: *See*—
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Ten Ham, Evert J., and P. L. Kring, to North American Philips Co., Inc. Dry stable vitamin A and/or D-preparation and methods of producing same. 2,980,587, 4–18–61, Cl. 167—81.

Ten Have, Cornelis D.: *See*—
Buningh, Weigert C., and Ten Have. 2,999,807.

Ten Kate. Mechanical load handling equipment. 3,005,519, 10–24–61, Cl. 187—9.

Tennant, G. H., Co.: *See*—
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Swanson, Albert S., and Kimmerle. 2,972,159.

Tennessee Corp.: *See*—
Duckworth, William C., Norwood, and Sauls. 3,006,890.
Duckworth, William C., and Singley. 2,993,026.
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Tennessee Stove Works: *See*—
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Tennessee Valley Authority: *See*—
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Hignett, Travis P., Siegel, Meline, and Blouin. 3,005,696.
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Tarbutton, Grady, Farr, Jones, and Lewis. 2,981,598.
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Tenney, Blair N. High altitude load release. 3,012,810, 12–12–61, Cl. 294—83.

Tenney, William L.: *See*—
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Tennis, Francis H., to Hydraulic Unit Specialties Co. Hydraulically controlled apparatus. 2,980,135, 4–18–61, Cl. 137—621.

Tenscher, Katherine M., 60% to K. M. and R. P. Tenscher, as joint tenants, and 40% to I. M. and E. L. Marcel, as joint tenants. Douching apparatus. 2,968,303, 1–17–61, Cl. 128—227.

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Tension Envelope Corp.: *See*—
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Te Nuyl, Johannes A., and L. J. P. Smulders, to Shell Oil Co. Burner for the burning of regenerator flue gas. 3,007,512, 11–7–61, Cl. 158—11.

Teot, Arthur S., to The Dow Chemical Co. Dye carrier. 2,991,145, 7–4–61, Cl. 8—93.

Teotino, Uberto, and G. Maffii, to Lepetit S.p.A. Indole compounds. 3,005,827, 10–24–61, Cl. 260—319.

Te Pas, John A., to The B. F. Goodrich Co. Sand core composition comprising sand and salt of acrylic acid-acrylonitrile copolymer. 3,007,893, 11–7–61, Cl. 260—41.

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Huitt, Jimmie L., and Teplitz. 3,003,557.

Teplitz, Alfred, to United States Steel Corp. Strip accumulator. 2,996,230, 8–15–61, Cl. 226—104.

Teplitz, Alfred, to United States Steel Corp. Adjustable self-centering roll. 3,003,672, 10–10–61, Cl. 226—192.

Tepper, Solomon. Variable measuring and dispensing device. 3,007,612, 11–7–61, Cl. 222—284.

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Terai, Tomio, and T. Takamatsu, to Hodogaya Kagahu Kogyo Kabushiki Kaisha. Process for simultaneous production of high α-pulp with furfural from latifoliate tree materials. 2,999,783, 9–12–61, Cl. 162—14.

Terek, Joseph A., and W. D. Stewart, to Atlantic Research Corp. Process for lifting skin imprints. 2,986,831, 6–6–61, Cl. 41—26.

Terek, Louis: *See*—
Morris, George V., and Terek. 2,980,901.

Terez, Clarence S., to General Electric Co. Lamp transfer mechanism. 2,997,186, 8–22–61, Cl. 214—1.

Terhorst, Willis. Sectional synthetic plastic bearing. 2,985,494, 5–23–61, Cl. 308—238.

Terhorst, Willis. Combined plastic and metal sleeve-type bearings. 2,989,355, 6–20–61, Cl. 308—238.

Terhune, Edgar A., deceased, by E. M. Terhune, executrix, to United States of America, Army. Frangible securing means. 2,996,316, 8–15–61, Cl. 285—4.

Terhune, Elsie M.: *See*—
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Terhune, Robert W., to United States of America, Air Force. Radar target position classifier. 2,994,077, 7–25–61, Cl. 340—366.

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Ternent, George E., to Bendix-Westinghouse Automotive Air Brake Co. Unloader for rotary compressors. 2,997,227, 8–22–61, Cl. 230—31.

Terp, Charles J., to Bryant Chucking Grinder Co. Workholder and method for internal grinding. 2,981,037, 4–25–61, Cl. 51—237.

Terp, Leslie S. Temperature responsive spring rate compensating device. 2,974,944, 3–14–61, Cl. 267—1.

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Terrell, Phillip A., to Copperweld Steel Co. System for banding ordnance shells or the like. 3,013,332, 12–19–61, Cl. 29—474.3

Terrett, John P., J. B. Shields, and L. J. Nava, to Dairy Foods Inc. Process for producing crystalline spray dried material. 2,970,057, 1–31–61, Cl. 99—203.
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Terry, Claude S., Jr., to American Plastics Corp. Plastic hinge and method of making the same. 3,000,049, 9–19–61, Cl. 16—139.
Terry, Clegia L.: *See*—
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Terry, Earl M. Bearing assembly. 3,013,848, 12–19–61, Cl. 308—208.
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Terry, Jesse C. Lure retriever. 3,010,241, 11–28–61, Cl. 43—17.2.
Terry, Noah S., to Bell Telephone Laboratories, Inc. Telephone station identification system. 2,976,366, 3–21–61, Cl. 179—8.5.
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Teson, William R., and H. W. Barkell. Mechanically operated collapsible valve. 2,987,292, 6–6–61, Cl. 251—6.
Tesoro, Giuliana C., to J. P. Stevens & Co., Inc. Process for reacting polymeric materials with sulfones and products resulting therefrom. 3,000,762, 9–19–61, Cl. 117—139.5.
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Teter, John W., deceased (by R. Y. Teter, administratrix), J. L. Gring, and C. D. Keith, to Sinclair Refining Co. Method of preparing alumina hydrate compositions containing trihydrate. 2,973,245, 2–28–61, Cl. 23—143.
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Moxon, Earl R. 2,972,917.
Murphey, Robert L., McClure, Rueping, and Winstead. 2,970,695.
Nathan, Charles C., and Perry. 2,990,881.
Odell, Norman R. 3,010,904.
Odell, Norman R., and Lyons. 2,976,237.
Odell, Norman R., and Lyons. 2,978,413.
Odell, Norman R., and Lyons. 2,986,517.
Odell, Norman R., and Lyons. 2,987,477.
Odell, Norman R., and Lyons. 3,010,896.
Odell, Norman R., and Lyons. 3,010,905.
Odell, Norman R., and Lyons. 3,013,972.
Pardee, Robert P., and Lyons. 3,007,871.
Patterson, John A., and Atwell. 2,993,931.
Pevere, Ernest F., Riordan, and Carter. 2,973,313.
Pliskin, William A. 3,013,470.
Riordan, Michael D., Carter, and Bos. 3,005,781.
Riordan, Michael D., and Franz. 2,970,968.
Roach, James R. 3,009,879.
Roach, James R., Lyons, and Dilworth. 2,969,325.
Roden, Harry. 3,000,808.
Scotty, Clarence B. 2,988,143.
Sensel, Eugene E. 2,988,577.
Sensel, Eugene E. 3,009,776.
Shiplet, Levi F. 3,001,585.
Shook, Austen M. 2,986,007.
Smith, Randlow, and Petterson. 2,988,580.
Stelzer, Roland B. 2,989,234.
Ten Brink, Karl C. 3,013,609.
Towell, Billy H., and Heath. 2,993,554.
Truitt, James K. 2,976,247.
Walker, Clarence O., and Weiss. 2,987,298.
Walker, Clarence O., and Weiss. 3,003,956.
Watson, Harold J. 2,993,859.
Watson, Harold J., and Tierney. 3,001,940.
Weiss, Walter J., Walker, and Brukner. 2,969,322.
Weiss, Walter J., Walker, and Brukner. 2,975,127.
Whaley, Thomas H. 2,996,458.
Whiteman, John R. 2,966,921.
Widmyer, Richard H. 2,978,027.
Wiley, Morris A., and Kreuz. 3,006,847.
Wisner, Jackson W., Lacoste, and Kluge. 2,987,512.
Woodall, Harry L., Jr. 2,969,318.
Woodruff, Homer O. 2,970,826.

Texas Gulf Sulphur Co.: *See*—
Hill, Cyril T. 2,970,887.
Jensen, William P., and Hottel, 2,972,228.

Texas Instruments Inc.: *See*—
Allen, Chester C., and Nunley. 2,993,818.
Anderson, Robert E. 2,985,550.
Bronson, Robert W., and Korbitz. 3,012,214.
Bucy, J. Fred, Jr. 2,972,733.
Bucy, J Fred, Jr., Jones, Morrison, and Spicker. 2,994,851.
Butts, Bruce D. 2,990,716.
Carroll, James M. 2,989,745.
Chapman, Aubrey I., Jr. 2,994,479.
Clerc, Milton C. 2,985,392.
Cooke, Harry F. 2,994,830.
Cornelison, Boyd, and Mack. 2,970,896.
Cornelison, Boyd, Eddleston, Evans, Sheppard, Trent, and Wolff. 2,990,501.
Cornelison, Boyd, and Wolff. 2,966,720.
Cornelison, Boyd, and Wolff. 2,979,429.
Cox, Douglas L. 2,989,670.
Epstein, Henry D. 2,986,685.
Epstein, Henry D. 3,004,203.
Evans, Thomas E. 3,014,342.
Flanagan, Charles D. 3,002,386.
Flanagan, Charles D. 3,009,127.
Haron, Carl I. 3,002,821.
Harper, Walter R., Jr., and Kruger. 2,967,920.
Holly, Lester C. 2,996,800.
Johnson, Rowland E. 2,996,374.
Jones, Lloyd E. 2,992,127.
Jones, Morton E. 2,988,464.
Jones, Morton E., Miller, and Wurst. 3,012,175.
Jones, William T., and Gray. 3,005,968.
Leinson, Jack, and Trueb. 2,996,604.
Macdonald, James R. 2,980,860.
Millis, Edwin G., and Shearer. 3,008,090.
Moksu, Walter H., and Epstein. 3,013,138.
Perry, Edward G. 2,987,153.
Peterson, John D. 2,994,054.
Roberts, John A. 2,973,434.
Shockroo, James E., and Moksu. 2,996,590.
Skelton, Charles W., and Mason. 2,970,226.
Smith, Joe H. 2,994,574.
Stead, Richard R. 2,973,253.
Stead, Richard R. 2,983,591.
Trent, Robert L. 3,001,109.
Walters, Geoffrey K. 2,978,664.
Webster, Roger R. 3,014,186.
Webster, Roger R., and Nygaard. 2,981,835.

Texas Pipe Line Co., The: *See*—
Scherer, Lewis F. 2,977,993.

Texlon Corp.: *See*—
Goldman, Felix B. 2,969,931.

Texon, Inc.: *See*—
Krumsiek, Harold A., Jr., and Wood. 2,993,828.
Stickel, Wesley N. 2,993,470.

Textile Development and Machinery Ltd.: *See*—
Morin, Joseph A. 2,976,892.

Textile Licensing Co.: *See*—
Comer, Marvin H., Terrell, and Miles. 2,968,909.
Seem, Warren A., and Stoddard. 2,966,775.
Seem, Warren A., and Stoddard. 3,009,312.

Textile Machine Works: *See*—
Griesemer, Earl S. E. 3,004,463.
Haehnel, Herbert E. 2,992,549.
Haehnel, Herbert E. 3,008,315.
Imboden, Walter H. 2,995,914.
Kontaxes, Nicholas. 2,967,411.
Levin, athan. 3,008,316.
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Goldsmith, Kurt. 3,007,267.

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Pacsu, Eugene, and Schwenker. 2,990,232.
Pacsu, Eugene, and Schwenker. 2,990,233.

Textor, Andre F. Machine for conveying and dumping milk cans. 2,990,073, 6–27–61, Cl. 214—301.

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Andrus, Everett H., and Coon. 3,004,647.

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Textron Inc.: *See*—
Byam, Erwin B. 2,985,897.
Kennedy, William J., and Hostetler. 2,977,724.
Lange, Harry R., and Mitchell. 2,996,734.
Mitchell, Robert F., and Byam. 2,983,152.
Neary, Francis B. 3,011,400.
Valiulis, Stanley B. 3,008,852.
Walton, John R., Allen, and Kennedy. 3,011,291.
Welles, Robert D. 2,968,341.
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Thacker, Hugh P., Jr., to J. R. Cox, as trustee for, H. P. Thacker, Jr., M. R. Doty, and H. H. Weinberg. Launching device for aircraft. 2,988,305, 6–13–61, Cl. 244—63.

Thackston, William J., Jr.: *See*—
Glarum, Sivert N., and Thackston. 2,984,584.

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Thaete, Max W. 2,991,756.

Thaete, Max W., deceased; L. M. Thaete, executrix, to P. V. Horst. Powdered insecticide applicator for livestock. 2,991,756, 7–11–61, Cl. 119—159.

Thal, Bernard: *See*—
Urquhart, Lloyd G., and Thal. 3,009,488.

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Thaler, Hans: *See*—
Kracker, Herbert, Albert, and Thaler. 2,970,029.

Thaler, Joseph M.: *See*—
Thaler, Mary B. and J. M. 3,004,264.

Thaler, Mary B. and J. M. Hand fashioned bow tie. 3,004,264, 10–17–61, Cl. 2—151.

Thall, Earle S. Electrical shock absorbing system. 2,973,969, 3–7–61, Cl. 280—124.

Thalman, Otto, J. L. Walthall, Jr., and G. L. Hempfling, to United States of America, Navy. Ramming case for rockets in rifled naval guns. 2,986,974, 6–6–61, Cl. 89—1.7.

Thalner, Robert R., to Sylvania Electric Products, Inc. Cathode ray beam deflection circuit. 2,992,359, 7–11–61, Cl. 315—27.

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Thamme, Eric P. Discharge mechanism for sand classifiers. 2,999,594, 9–12–61, Cl. 209—162.

Tharratt, George, to Douglas Aircraft Co., Inc. Jointure for end-loading aircraft. 3,009,672, 11–21–61, Cl. 244—137.

Thatte, Raghunath, to Marconi's Wireless Telegraph Co. Ltd. Variable radix binary divider. 3,011,127, 11–28–61, Cl. 328—48.

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Thayer, Helen I., to Gulf Research & Development Co. Gasoline motor fuel. 2,980,520, 4–18–61, Cl. 44—69.

Thayer, Jean M., and R. E. Fearon, to Well Surveys, Inc. Neutron source. 2,991,367, 7–4–61, Cl. 250—84.5.

Thayer, Josephus J. Spool winding machine. 2,984,425, 5–16–61, Cl. 242—18.

Thearle, Ernest L. Offshore platform. 2,972,973, 2–28–61, Cl. 114—43.5.

Thebado, Eugene A., to Corning Glass Works. Glass burn-off machine. 3,009,293, 11–21–61, Cl. 49—7.

Thedick, John H., to Klamath Machine & Locomotive Works, Inc. Automatic sawmill set works. 2,983,290, 5–9–61, Cl. 143—120.

Theenhausen, Heinrich, and O. Wank, to Anker-Werke A.G. Zigzag sewing machine. 2,966,868, 1–3–61, Cl. 112—158.

Theiling Louis F., Jr., and R. J. Knopf, to Union Carbide Corp. Terminally unsaturated polyols and process for their preparation. 2,982,790, 5–2–61, Cl. 260—635.

Theis, Erwin C. Baby bottle holder. 2,991,032, 7–4–61, Cl. 248—102.

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Thelander, John, G. Leijon, E. Westergren, and S. Akesson, to Aktiebolaget Overums Bruk. Oscillating plant thinner. 3,014,537, 12–26–61, Cl. 172—58.

Thelemarck, Thor, to Allmanna Svenska Elektriska Aktiebolaget. Electrical vacuum furnace. 3,004,092, 10–10–61, Cl. 13—31.

Thelen, Richard K., to Ross Gear and Tool Co., Inc. Valve. 2,969,775, 1–31–61, Cl. 121—46.5.

Thelin, Jack H., G. N. Vriens, and E. C. Medcalf, to American Cyanamid Co. Purification of beta-naphthol. 2,985,687, 5–23–61, Cl. 260—621.

Thenander, John: *See*—
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Theodore, Ralph G., and J. L. Davis, to Electric Parts Corp. Flexible radiant heating panel. 3,010,007, 11–21–61, Cl. 219—46.

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Theriault, Matthew A. Method of operation of internal combustion engines. 2,977,940, 4–4–61, Cl. 123—25.

Theriot, Alfred J. Ornamental buttoncover. 2,994,980, 8–8–61, Cl. 40—315.

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Thermair Domestic Appliances Ltd.: *See*—
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Hobbs, Vernon H. 2,974,423.

Thermal Engineering & Design Co.: *See*—
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Thermo Electric Co., Inc.: *See*—
Klassen, Stephen L. 2,997,681.
Walter, Fred S. 2,997,687.

Therm-O-Disc, Inc.: *See*—
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Germany, James H. 2,972,887.
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Thermoid Co.: *See*—
Huff, James W., and Bedson. 2,967,563.

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Sutton, Myer S. 2,992,541.

Thermon Mfg Co.: *See*—
Brown, William E., and Foley. 2,982,992.

Thermo Power, Inc.: *See*—
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Drummond, James M. 3,012,494.
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Theodore, Charles, and W. W. Caldwell, to Ling-Temco Electronics, Inc. Gain control amplifier. 2,985,840, 5–23–61, Cl. 330—10.

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Thesing, Jan, and R. Helger, to E. Merck, Aktiengesellschaft. Heat resistant derivatives of L-ascorbic acid. 2,980,702, 4–18–61, Cl. 260—343.7.

Theurer, Henry C., to Bell Telephone Laboratories, Inc. Preparation of silicon material. 3,002,320, 10–3–61, Cl. 49—85.

Theurer, Josef: *See*—
Plasser, Franz, and Theurer. 2,969,749.
Plasser, Franz, and Theurer. 2,971,472.
Plasser, Franz, and Theurer. 2,973,719.
Plasser, Franz, and Theurer. 3,000,326.
Plasser, Franz, and Theurer. 3,000,327.
Plasser, Franz, and Theurer. 3,000,328.
Plasser, Franz, and Theurer. 3,009,251.
Plasser, Franz, and Theurer. 3,011,454.
Plasser, Franz, Theurer, and Schramm. 2,976,816.
Plasser, Franz, Theurer, and Schubert. 3,013,616.

Thevenaz, Jean, to Paillard S.A. Mechanism for driving a spool of a cinematographic projector. 2,973,913, 3–7–61, Cl. 242—55.14.

Thevenaz, Louis, to Thorens S.A. Driving device of the turntable of a speaking machine. 2,980,429, 4–18–61, Cl. 274—39.

Thévenaz, Louis, to Thorens S.A. Automatic phonograph, including pick-up and record-selecting mechanisms. 2,983,514, 5–9–61, Cl. 274—9.

Thevenin, Marcel. Automatic die casting machine. 2,983,003, 5–9–61, Cl. 22—79.

Thevenon, Henri, to Compagnie Generale d'Electricite. Process for the manufacture of high voltage electric cable with multi-part insulation. 2,988,467, 6–13–61, Cl. 154—2.27.

Thew Shovel Co., The: *See*—
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Cimino, Charles. 3,006,608.
Jones, John I., and Bowman. 3,009,727.

Thias, Edwin P., to Standard Coil Products Co., Inc. Frequency selector. 2,975,276, 3–14–61, Cl. 250—40.

Thibault, George E., to C. W. Stampler, d.b.a. Slater Paper Box. Cardboard box with a carrying handle. 2,981,458, 4–25–61, Cl. 229—52.

Thibault, Harrison N., and W. H. Banks, to Draper Corp. Bunch building mechanism. 2,979,881, 4–18–61, Cl. 57—54.

Thibodaux Boiler Works, Inc.: *See*—
Toups, Harry S., Jr., and L. P. and R. H. Braud. 2,969,013.

Thibodaux, Joseph G., Jr., R. L. Swain, and C. M. Styles, to United States of America, National Aeronautics and Space Administration. Spherical solid-propellant rocket motor. 3,001,363, 9–26–61, Cl. 60—35.6.

Thiede, Albert B., and D. C. Gafvert. Air-conditioner cover. 3,006,498, 10–31–61, Cl. 220—36.

Thiel, Charles G., I. Porush, and R. D. Law, to Riker Laboratories, Inc. Self-propelling powder dispensing compositions. 3,014,844, 12–26–61, Cl. 167—82.

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Thiel, Walter E. Crane boom load, height, radius and elevation indicator. 3,012,537, 12–12–61, Cl. 116—124.

Thiele, Alfred A. Rebalance bridge. 3,003,108, 10–3–61, Cl. 324—140.

Thiele, Gert: *See*—
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Thiele, Heinz, to Zeiss Ikon Aktiengesellschaft. Spindle drive for a motion picture film take-up reel. 2,997,899, 8–29–61, Cl. 74—798.

Thiele, Otto A.: *See*—
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Thiele, Theodore H., to American Control Corp. Gas valve control with plural thermocouples. 3,005,487, 10–24–61, Cl. 158—131.

Thiele, Walter G.: *See*—
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Thielker, Henry J., to Western Electric Co., Inc. Locking device for file cabinets. 2,992,056, 7–11–61, Cl. 312—221.

Thielmann, Paul: *See*—
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Thielemann, Rudolf H., to Sierra Metals Corp. High temperature cobalt-base alloy. 2,974,036, 3–7–61, Cl. 75—171.

Thielemann, Rudolf H., to Sierra Metals Corp. High temperature cobalt base alloy. 2,974,037, 3–7–61, Cl. 75—171.

Thielemann, Rudolf H., to Sierra Metals Corp. High temperature nickel-iron base alloy. 2,981,621, 4–25–61, Cl. 75—171.

Thielen, Albert F., Jr., to Philco Corp. Method of fabricating refrigerator doors. 3,000,058, 9–19–61, Cl. 18—59.

Thielen, Anton, to Vemag, Verdener Maschinen-und Apparatebau, Zweigniederlossung der Sudostholz G.m.b.H. Metz & Co. Apparatus for transfer of viscous material, especially sausage meat, into receptacles, as for instance, sausage skins. 2,966,698, 1–3–61, Cl. 17—40.

Thielsch, Helmut J., to Grinnell Corp. Collapsible back-up ring. 2,987,022, 6–6–61, Cl. 113—103.

Thielsch, Helmut J., to Grinnell Corp. Insert welding rings. 3,001,497, 9–26–61, Cl. 113—136.

Thielsch, Helmut J., to Grinnell Corp. Method of welding pipe. 3,002,191, 9–26–61, Cl. 29—483.

Thieme, John W., and P. J. McDonnell; said McDonnell assor. to said Thieme. Rotatable and tiltable device and clutch means therefor. 3,007,378, 11–7–61, Cl. 94—45.

Thiemig, Walter: *See*—
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Thien-Chi, Nguyen, and P. Piurien, to Commissariat a l'Energie Atomique. Manufacture of microporous metallic tubes consisting mainly of nickel. 3,001,871, 9–26–61, Cl. 75—211.

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Thierry, Paul J. Ammunition holder. 2,995,280, 8–8–61, Cl. 224—20.

Thierry, Robert J., to United States of America, Army. Traversely swinging gun breech with obturating seal. 2,998,755, 9–5–61, Cl. 89—26.

Thierry, Robert J., to United States of America, Army. Self-energizing breech seal for guns. 3,006,254, 10–31–61, Cl. 89—26.

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Thiers, Ralph E., B. L. Vallee, and K. Fuwa, to Technicon Instruments Corp. Spectral flame burners and systems. 2,990,749, 7–4–61, Cl. 88—14.

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Caudle, Howard P., McGrath, and Thieser. 2,991,656.
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Thless, Ludwig E., to General Electric Co. Apparatus for manufacturing ceramics. 2,984,887, 5–23–61, Cl. 25—129.
Thiessen, Elmer E., to General Motors Corp. Insulating method. 2,979,432, 4–11–61, Cl. 154—80.
Thiessen, George J., and T. F. W. Embleton, to The National Research Council. Mechanical device for distance discrimination of sounds. 2,976,948, 3–28–61, Cl. 181—33.
Thiessen, George J., and I. R. Dagg, to National Research Council. Densimeter. 2,999,380, 9–12–61, Cl. 73—32.
Thill, Walter E., to Federal-Mogul-Bower Bearings, Inc. Seal driver assembly. 2,998,644, 9–5–61, Cl. 29—275.
Thilmany Pulp & Paper Co.: *See*—
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Downs, Martin L., and Nelson. 2,999,787.
Thimmig, Russell B., Jr.: *See*—
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Cook, George W. 2,976,736.
Cohen, Murray S., and Grafstein. 2,981,746.
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Cohen, Murray S., and Pearl. 2,990,239.
Faust, John P., Gould, and Held. 3,001,920.
Ferguson, Harry R. 2,991,166.
Fletcher, Charles J. 3,013,493.
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Fox, Zola. 2,975,592.
Gardner, David M. 2,989,573.
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Nocke, Henry H. 2,987,882.
Pearl, Carl E. 2,977,391.
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Winternitz, Paul F., and Spillane. 3,008,988.
Thiolat, Henri R. A. Foldable box. 3,012,705, 12–12–61, Cl. 229—39.
Thiry, George L., to McGraw-Edison Co. Method of making columns. 3,007,232, 11–7–61, Cl. 29—155.
Thiry, Leon F. Independent wheel suspension for automotive vehicle. 2,996,311, 8–15–61, Cl. 280—124.
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Long, Selma H., Tholstrup, and Watson. 2,996,477.
Tholstrup, Clarence E., and A. Bell, to Eastman Kodak Co. Polymerized α-mono-olefins stabilized with 2-tert. butyl-4-higher alkoxyphenols. 2,983,710, 5–9–61, Cl. 260—45.95.
Tholstrup, Clarence E., and J. W. Tamblyn, to Eastman Kodak Co. Heat-stabilization of polyethylene and polymono-α-olefins using certain zinc dialkyldithiocarbamates. 3,001,969, 9–26–61, Cl. 260—45.75.
Thom, Gunter: *See*—
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Thom, Wenzel W., ½ to C. D. Jones. Floor expansion joint. 2,976,782, 3–28–61, Cl. 94—18.
Thoma, Eugen, to Maschinen-und Prazisionswerkzeugfabrik G.m.b.H. Machine reamer. 2,977,829, 4–4–61, Cl. 77—75.
Thoma, Fritz, to Kieninger & Obergfell. Electric clock. 2,974,265, 3–7–61, Cl. 318—132.
Thoma, Fritz, to Kieninger & Obergfell. Electric watch. 3,005,305, 10–24–61, Cl. 58—28.
Thoma, Fritz, to Kieninger & Obergfell. Electronically controlled clock. 3,014,168, 12–19–61, Cl. 318—132.
Thoma, Fritz, to Kieninger & Obergfell. Electronically controlled motor. 3,015,054, 12–26–61, Cl. 318—47.
Thoma, Hans. Control means for infinitely variable transmissions. 2,988,927, 6–20–61, Cl. 74—335.
Thoma, Matthias. Process for the production of halogens from hydrohalides. 2,987,378, 6–6–61, Cl. 23—219.
Thoma, Matthias, to Michaelis Biller & Co. Method of alkylating amines. 2,991,311, 7–4–61, Cl. 260—577.
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Bowers, Eric H., and Thoma. 2,987,006.
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Thoma, Richard W., and F. L. Weisenborn, to Olin Mathieson Chemical Corp. 11α-hydroxy-A-norprogesterone. 3,005,028, 10–17–61, Cl. 260—586.
Thoma, Wilhelm, O. Bayer, and H. Rinke, to Farbenfabriken Bayer Aktiengesellschaft. Soluble polyureas and process for producing the same. 2,988,538, 6–13–61, Cl. 260—77.5.
Thomae, Dr. Karl, G.m.b.H.: *See*—
Hasspacher, Klaus. 2,978,448.
Heider, Joachim, and Jerchel. 2,999,102.
Keck, Johannes. 3,008,878.
Muller, Erich. 2,987,546.
Thoman, Richard E.: *See*—
Gatfield, Allen G., and Thoman. 2,987,574.
Thomann, Bernard M. Mixer. 2,969,961, 1–31–61, Cl. 259—157.
Thomas, Adolf, to Esch-Werke KG. Gyratory crusher. 3,006,562, 10–31–61, Cl. 241—156.
Thomas, Albert, to Bristol Siddeley Engines Ltd. Turbines. 3,006,355, 10–31–61, Cl. 137—31.
Thomas, Albert G. Portable electric computer. 2,986,333, 5–30–61, Cl. 235—160.
Thomas, Albert G. Non-glare headlight system. 3,005,374, 10–24–61, Cl. 88—1.
Thomas, Alexander, and J. C. Drobinski, Jr., to Tracerlab, Inc. Neutron generator targets. 2,986,441, 5–30–61, Cl. 316—9.
Thomas, Alfred C. Food warmer. 3,013,548, 12–19–61, Cl. 126—19.5.
Thomas, Anthony J. and J. Spray apparatus. 2,991,912, 7–11–61, Cl. 222—70.
Thomas, Arthur H., Co.: *See*—
McNeilly, Joseph A. 2,974,018.
Patterson, Edward B. 2,979,210.
Thomas, Arthur J., to Saf-T-Boom Corp. Crane boom guard attachment. 2,989,194, 6–20–61, Cl. 212—1.
Thomas & Betts Co., The: *See*—
Buzak, Albert J. 3,004,095.
Crimmins, David J., and Logan. 3,014,506.
Curtiss, Lawrence M. 2,974,185.
Curtiss, Lawrence M. 2,993,084.
Logan, Maurus C. 2,984,818.
Schwester, Daniel P. 2,982,808.
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Thomas, Charles L.: *See*—
Brooks, Charles H., and Thomas. 2,968,614.
Long, Franklin A., Hutchinson, and Thomas. 3,014,796.
Thomas, Charles L., A. P. Stuart, and H. M. Khelghatian, to Sun Oil Co. Process for improving the color stability of hydrocarbons with hydrazines. 2,975,136, 3–14–61, Cl. 252—51.5.
Thomas, Charles L., and C. G. Kirkbride, to Sun Oil Co. Process for preparing rocket fuel containing polymerized olefins and boron. 3,005,693, 10–24–61, Cl. 52—.5.
Thomas, Charles S. Pressure minesweeping. 3,012,534, 12–12–61, Cl. 114—235.
Thomas, Chester A.: *See*—
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Thomas, Chester A., to Babson Bros. Co. Milk pipe line washing system. 2,997,049, 8–22–61, Cl. 134—169.
Thomas, David F., and L. B. Evans, to Waterous Co. Crash truck pumps. 2,975,715, 3–21–61, Cl. 103—108.
Thomas, David F., to Waterous Co. Discharge valve and operating mechanism. 2,983,479, 5–9–61, Cl. 251—250.
Thomas, David F., and R. A. Hill, to Waterous Co. Electromatic shift for fire pumps. 2,988,189, 6–13–61, Cl. 192—99.
Thomas, David F., and R. A. Hill, to Waterous Co. Centrifugal fire pump. 2,995,092, 8–8–61, Cl. 103—106.
Thomas, Dr. Karl, G.m.b.H.: *See*—
Seeger, Ernst. 3,006,917.
Thomas, Donald E., to Westinghouse Electric Corp. Brazed zirconium base alloy structures. 3,005,254, 10–24–61, Cl. 29—194.
Thomas, Donald E., and S. Kass, to Westinghouse Electric Corp. High strength alloys of zirconium. 3,005,706, 10–24–61, Cl. 75—177.
Thomas, Doyle E., Jr.: *See*—
Salter, Leslie P., Jr., and Thomas. 2,966,859.
Thomas, Earl E.: *See*—
Sannipoli, Alfred L., and Thomas. 3,010,867.
Thomas, Edgar E., to Gilfillan Bros., Inc. Electronically regulated power supply. 3,005,143, 10–17–61, C. 321—18.
Thomas, Edward C., to Great Lakes Carbon Corp. Carbon electrode joint. 2,969,251, 1–24–61, Cl. 287—127.
Thomas, Edward C., to Great Lakes Carbon Corp. Graphite electrode nipple and method for producing same. 3,008,744, 11–14–61, Cl. 287—127.
Thomas, Edward E., to Harley-Davidson Motor Co. Motor vehicle automatic transmissions. 2,987,934, 6–13–61, Cl. 74—230.17.
Thomas, Edward E., to Harley-Davidson Motor Co. Improvements in motor vehicle automatic transmission controls. 2,998,809, 9–5–61, Cl. 123—179.
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Thomas, Edwin F., W. W. Rowe, and W. J. Wagner, to Double Seal Ring Co. Piston ring expander. 3,000,677, 9–19–61, Cl. 309—45.
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Schott, Charles M. 3,009,292.
Seats, Peter. 2,980,550.
Thomas, Elmer, to Page Communications Engineers, Inc. Variable decision threshold computer. 2,999,925, 9–12–61, Cl. 250—8.
Thomas, Enoch J. Pile driver. 3,003,747, 10–10–61, Cl. 254—29.
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Thomas, Frank P., to General Equipment Mfg. Co., Inc. Viscosity control system and apparatus. 3,013,398, 12–19–61, Cl. 62—136.
Thomas, Frederick L. Citrazinic acid-ammonia-oxygen dyes. 2,971,957, 2–14–61, Cl. 260—295.

Thomas, Frederick L. Citrazinic acid-amine-oxygen dyes. 3,000,897, 9–19–61, Cl. 260—295.

Thomas, George A. Sizzler. 3,009,379, 11–21–61, Cl. 84—402.

Thomas, George B., Jr., to Bell Telephone Laboratories, Inc. Wave filter. 2,968,772, 1–17–61, Cl. 333—73.

Thomas, Gerald B., to Signal Oil and Gas Co. Device for fracturing formations. 2,969,841, 1–31–61, Cl. 166—243.

Thomas, Gitchel A. Radio electrician's and power transmission safe test device. 2,969,519, 1–24–61, Cl. 339—33.

Thomas, Glen H.: *See*—
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Thomas, Glyn A., to Charlotte Tank Corp. Welding ground machine. 3,014,121, 12–19–61, Cl. 219—159.

Thomas, Gordon H., and J. Fried, to Olin Mathieson Chemical Corp. 9 α-alkyl steroids and their method of preparation. 2,970,143, 1–31–61, Cl. 260—239.55.

Thomas, Gordon H., and J. Fried, to Olin Mathieson Chemical Corp. 9α-halo-11α-alkyl-11β-hydroxy steroids of the androstane series and intermediates therefor. 3,001,990, 9–26–61, Cl. 260—239.55.

Thomas, Gordon H., and J. Fried, to Olin Mathieson Chemical Corp. 11α-halo-11β-methyl-Δ^4-pregnenes and process therefor. 3,010,956, 11–28–61, Cl. 260—239.55.

Thomas, Gwilym G., to British Nylon Spinners Ltd. Process for the manufacture of sintered multifilamentary structures. 2,991,147, 7–4–61, Cl. 18—54.

Thomas, Heinrich. Hydraulic valving device. 2,980,072, 4–18–61, Cl. 121—46.4.

Thomas, Henry A., to Ethyl Corp. Recovery apparatus and method. 2,971,456, 2–14–61, Cl. 100—37.

Thomas, Henry A., to Ethyl Corp. Treating high solids sludges. 2,985,099, 5–23–61, Cl. 100—37.

Thomas, Henry A., to Ethyl Corp. Treating high solids sludges. 2,994,109, 8–1–61, Cl. 18—55.

Thomas, Henry A., to Ethyl Corp. Sealing method and improved seal. 2,985,471, 5–23–61, Cl. 286—1.

Thomas, Henry A., and J. H. Browning, to Ethyl Corp. Sludge deliquefying apparatus. 2,971,217, 2–14–61, Cl. 18—1.

Thomas, Henry P., to General Electric Co. Multiplex system. 3,013,122, 12–12–61, Cl. 179—15.

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Thomas, Herman J., to General Motors Corp. Support strut. 2,996,210, 8–15–61, Cl. 217—60.

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Thomas, Iorwerth H., and A. Wrzesien, to British Cotton Industry Research Association. Shuttle eyes. 2,989,089, 6–20–61, Cl. 139—217.

Thomas, James A., and W. F. Minard, to Burroughs Corp. Accounting apparatus with auxiliary recording adjunct. 2,998,914, 9–5–61, Cl. 235—60.13.

Thomas, James L., to North American Aviation, Inc. Short circuit protection for a transistorized power supply. 3,005,147, 10–17–61, Cl. 323—9.

Thomas, James W., to General Motors Corp. Thermocouple lead attachment. 2,971,998, 2–14–61, Cl. 136—4.

Thomas, James W., to General Motors Corp. Thermocouple lead attachment. 2,992,402, 7–11–61, Cl. 339—198.

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Thomas, Jesse B., to Reynolds Metals Co. Method and apparatus for expansion of unbonded areas in composite plates. 3,003,228, 10–10–61, Cl. 29—157.3.

Thomas, Jesse B., and J. P. Karpuk, to Reynolds Metals Co. Blow torch feeder control. 2,975,002, 3–14–61, Cl. 302—50.

Thomas, Joe E.: *See*—
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Thomas, John C., and G. M. Whitman, to E. I. du Pont de Nemours and Co. Compounds of a group IV–A metal directly bonded to two cyclopentadienyl nuclei and to at least one inorganic anion and their preparation. 2,983,740, 5–9–61, Cl. 260—429.3.

Thomas, John E. Fifth wheel assembly. 2,979,341, 4–11–61, Cl. 280—423.

Thomas, John F.: *See*—
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Thomas, John F. Soldering irons. 3,003,049, 10–3–61, Cl. 219—27.

Thomas, John H., to Dow Corning Corp. Terephthalic and isophthalic alkyd resin compositions containing a salt of 2-ethylhexoic acid. 2,970,973, 2–7–61, Cl. 260—22.

Thomas, John J., to Radio Corp. of America. Microwave modulator. 2,978,652, 4–4–61, Cl. 332—3.

Thomas, John M. Tool for handling sterile articles. 2,977,150, 3–28–61, Cl. 294—118.

Thomas, John R., and L. De Vries, to California Research Corp. Process for preparation of lithium aluminum hydride suspensoid and product thereof. 2,995,527, 8–8–61, Cl. 252—428.

Thomas, John W., to Universal Oil Products Co. Thermal diffusion apparatus. 2,991,886, 7–11–61, Cl. 210—176.

Thomas, Joseph: *See*—
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Thomas, Joseph R. Motor operated bed davenport. 2,972,753, 2–28–61, Cl. 5—13.

Thomas, Llewellyn H., to International Business Machines Corp. Shift register using solid state devices. 2,999,229, 9–5–61, Cl. 340—173.1.

Thomas, Llewelyn H., and J. W. Toner, to International Business Machines Corp. Self-sorting storage devices. 2,994,065, 7–25–61, Cl. 340—172.5.

Thomas, Louis G. L., to C. H. Wheeler Mfg. Co. Sound-dampening pump. 2,973,716, 3–7–61, Cl. 103—114.

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Thomas, Lucius P., Jr., to Radio Corp. of America. Automatic gain control systems. 2,989,588, 6–20–61, Cl. 178—7.3.

Thomas, Lucius P., Jr., and C. W. Hoyt, to Radio Corp. of America. Noise cancelling circuit for television receivers. 2,989,589, 6–20–61, Cl. 178—7.3.

Thomas, Luther H., to Phillips Petroleum Co. Skip dump having automatic discharge. 2,995,264, 8–8–61, Cl. 214—741.

Thomas, Mary J.: *See*—
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Thomas, Maurice: *See*—
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Thomas, McCalip J.: *See*—
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Thomas, Morton I. Concealed adjustment mechanism for folding chairs. 2,972,373, 2–21–61, Cl. 155—139.

Thomas, Morton I. Fastening for inherently slippery fabric on tubular metal furniture. 2,974,721, 3–14–61, Cl. 155—187.

Thomas, Orrin H., to J. G. Saricks. Photograph print holder for applying a protective coating thereto. 2,994,298, 8–1–61, Cl. 118—500.

Thomas, Orrin H., to R. W. Fuller. Detector for fires and excessive temperatures. 2,996,591, 8–15–61, Cl. 200—142.

Thomas, Otto, to Joh. Vaillant K.G. Manually operated gas controllers. 2,988,098, 6–13–61, Cl. 137—66.

Thomas, Owen H.: *See*—
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Thomas, Owen H., and G. O. Michaels, to Sinclair Refining Co. Process for alkylating parafinic hydrocarbons. 2,972,649, 2–21–61, Cl. 260—683.53.

Thomas, Pacific J.: *See*—
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Thomas, Paul E., to E. I. du Pont de Nemours and Co. Polytetrafluoroethylene fine powders. 3,010,950, 11–28–61, Cl. 260—92.1.

Thomas, Paul M., and L. W. Wright, to Builders Equipment Co. Probing device for block machine pallet handler. 3,000,520, 9–19–61, Cl. 214—16.4.

Thomas, Paul M., and L. W. P. Wright, to Builders Equipment Co. Apparatus for handling building block pallets. 3,011,661, 12–5–61, Cl. 214—16.4.

Thomas, Paul P., to American Metal Products Co. Bearing joints and rod assembly. 2,974,975, 3–14–61, Cl. 280—95.

Thomas, Paul P., to American Metal Products Co. Molded bearing. 2,970,869. 2–7–61, Cl. 308—238.

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Thomas, Ralph B., to Sylvania Electric Products Inc. Discharge lamp cathode. 3,003,077, 10–3–61, Cl. 313—343.

Thomas, Ralph H., to Bristol-Myers Co. Closure and measuring device. 2,998,893, 9–5–61, Cl. 215—37.

Thomas, Ralph H., and M. B. Stull, said Thomas assor. to Bristol-Myers Co. Captive cap dispensing closure. 2,998,902, 9–5–61, Cl. 222—499.

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Thomas, Robert M.: *See*—
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Baldwin, Francis P., Thomas, and Kuntz. 2,983,706.
Baldwin, Francis P., Thomas, and Kuntz. 2,983,707.
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Thomas, Robert M., to Olin Mathieson Chemical Corp. Preparation of dichloroacetaldehyde, chloral and chloral hydrate from beta,beta'-dichlorodiethyl ether. 2,980,736, 4–18–61, Cl. 260—601.

Thomas, Robert M., L. T. Eby, and C. W. Seelbach, to Esso Research and Engineering Co. Polymerization of piperylene. 2,999,087, 9–5–61, Cl. 260—94.3.

Thomas, Robert N., to Dow Corning Corp. Coating composition of polysiloxane resin and two polysiloxane fluids. 3,002,946, 10–3–61, Cl. 260—29.1.

Thomas, Robert R.: *See*—
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Thomas, Samuel B. to Shell Oil Co. Liquid isomerization process using a spray tower. 2,983,775, 5–9–61, Cl. 260—683.75.

Thomas, Stanley L. Faucet. 2,988,110, 6–13–61, Cl. 137—636.4.
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Thomas, Telfer L., to Esso Research and Engineering Co. Process and catalyst for polymerization. 2,976,338, 3–21–61, Cl. 260—683.15.
Thomas, Telfer L., to Esso Research and Engineering Co. Process and catalyst for polymerization. 2,979,549, 4–11–61, Cl. 260—683.15.
Thomas, Thomas J., to General Precision, Inc. Fluid potentiometer for vertical reference system. 2,988,719, 6–13–61, Cl. 338—44.
Thomas, Thomas J., to General Precision Inc. Motor flapper controlled hydraulic servo valve. 3,003,476, 10–10–61, Cl. 121—46.5.
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Thomas, Thomas R., to Auto Research Corp. High restriction metering unit. 2,992,659, 7–18–61, Cl. 138—42.
Thomas, Thomas R., to Auto Research Corp. Signal system for lubricating installation. 3,009,997, 11–21–61, Cl. 200—84.
Thomas, Walter B., to Koppers Co., Inc. Balling drum. 2,984,860, 5–23–61, Cl. 18—1.
Thomas, Walter J., Sr., and R. M. Focht, to E. J. Lavino and Co. Refractory brick with split internal channel and staked hanger tab. 3,012,525 12–12–61, Cl. 110—99.
Thomas, Walter M., S. J. Groszos, and N. E. Day, to American Cyanamid Co. Alkanolamine aluminates as catalysts for ester redistribution. 2,985,685, 5–23–61, Cl. 260—485.
Thomas, Walter N. Liquid shoe polish applicator. 3,010,140, 11–28–61, Cl. 15—592.
Thomas, Wesley C. Instrument for closing flesh wounds. 3,013,559, 12–19–61, Cl. 128—340.
Thomas, Wilbur E. Automatic collators. 2,993,692, 7–25–61, Cl. 270—58.
Thomas, Willard A., to Kilgore, Inc. Timing mechanism for measuring the duration of the draw of a firearm. 2,972,203, 2–21–61, Cl. 42—1.
Thomas, William A., to General Electric Co. Manual motor starter. 2,983,804, 5–9–61, Cl. 200—116.
Thomas, William B., 50% to H. Thomas. Polished rod lubricator. 3,003,583, 10–10–61, Cl. 184—65.
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Thomas, William E., to Prism Signs, Inc. Prismatic lighting fixture. 3,009,054, 11–14–61, Cl. 240—51.11.
Thomas, William J., to Johnson and Johnson. Filter media. 3,003,643, 10–10–61, Cl. 210—491.
Thomas, William K. Surveying machine. 2,994,959, 8–8–61. Cl. 33—141.5.
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Thomasson, Alfred P.: *See*—
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Thome, Valentine P. Stone gatherer. 2,972,384, 2–21–61, Cl. 171—63.
Thomiszer, Hubert J., to Eugene Dietzgen Co. Heating apparatus. 3,012,141, 12–5–61, Cl. 250—65.
Thomka, Laddie M., and E. T. Heckeroth, to The Dow Chemical Co. Polymerization process. 2,993,036, 7–18–61, Cl. 260—94.9.
Thompson, Archie E., to Dresser Industries, Inc. Bridging plug. 3,000,443, 9–19–61, Cl. 166—135.
Thompson, Arthur H., F. W. Littlewood, and A. Marshall, to Thomas Marshall & Co. (Loxley) Ltd. Method of manufacturing porous refractory insulating materials. 3,010,177, 11–28–61, Cl. 25—156.
Thompson, Bert, to Perfect Circle Corp. Piston ring. 2,970,023 1–31–61 Cl. 309—44.
Thompson, Bobbie L., to Westinghouse Electric Corp. Electrical circuit. 3,005,946, 10–24–61, Cl. 323—24.
Thompson, Burnett F. Multi-use article of juvenile furniture. 2,969,830, 1–31–61, Cl. 155—44.
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Thompson, Earl A. Fused product. 2,971,504, 2–14–61, Cl. 123—90.
Thompson, Earl A. Automatic loading device. 2,978,117, 4–4–61, Cl. 214—1.
Thompson, Earl A. Art of making a tappet. 2,988,805, 6–20–61, Cl. 29—156.7.
Thompson, Earl A. Air gage. 2,990,954, 7–4–61, Cl. 209—82.
Thompson, Earl A. Radius grinding machine and spindle. 2,994,992, 8–8–61, Cl. 51—97.
Thompson, Earl A. Grinding method and apparatus therefor. 2,996,848, 8–22–61, Cl. 51—95.
Thompson, Earl A. Fusing method. 2,997,570, 8–22–61, Cl. 219—107.
Thompson, Earl A. Internal grinder. 3,003,292, 10–10–61, Cl. 51—50.
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Thompson, Edward W. Suspension bracket. 2,985,417, 5–23–61, Cl. 248—214.
Thompson, Edwin R., to Western Reserve Plastics, Inc. Lift tab for storm and screen sash. 3,009,214, 11–21–61, Cl. 20—52.
Thompson, Elbert O., to Vacudent Mfg. Co. Dental and surgical evacuative suction apparatus. 3,012,322, 12–12–61, Cl. 32—33.
Thompson, Elbert O., to Vacudent Mfg. Co. Method of dentistry and apparatus therefor. 3,012,323, 12–12–61, Cl. 32—33.
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Thompson, Francis T., to Westinghouse Electric Corp. System for utilizing intelligence signals to perform control functions. 2,997,694, 8–22–61, Cl. 340—173.
Thompson, Fred C., to HRB-Singer, Inc. UHF tuner. 2,995,713, 8–8–61, Cl. 330—56.
Thompson, Frederick C., 60% to G. F. Shea, 35% to J. A. Mullen, and 5% to J. M. Neale. Apparatus for producing reinforced plastics, resinous or like structural bodies, forms, linings and coatings. 2,981,308, 4–25–61, Cl. 154—1.
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Thompson, Glenn S., and H. B. Van Velzer; said Thompson assor. to I. M. Jones. Self-wringing mop. 2,984,851, 5–23–61, Cl. 15—119.
Thompson, Gordon H. Heel building method and device therefor. 2,983,933, 5–16–61, Cl. 12—50.
Thompson Grinder Co., The: *See*—
Ernst, Walter. 2,985,109.
Ernst, Walter. 3,011,449.
Wilson, John C. 2,986,852.
Thompson, Harold B.: *See*—
Azari, Eric, Gray, Malin, Nelson, and Thompson. 2,982,544.
Thompson, Harold D., to Modular Buildings, Inc. Prefabricated sheet metal truss and fastening means for two sheet metal structural members. 2,982,055, 5–2–61, Cl. 50—56.
Thompson, Harris, to Nalco Chemical Co. Reduction of slag formation in coal-fired furnaces, boilers and the like. 3,004,836, 10–17–61, Cl. 44—4.
Thompson, Harry E., and M. J. Kimmel, to The Ohio Foundry & Mfg. Co. Venting unit. 2,966,838, 1–3–61. Cl. 98—62.
Thompson, Harry G. Device for dewaxing carton conveyors. 2,974,631, 3–14–61, Cl. 118—70.
Thompson, Harry H. Electrical reset timing devices. 2,999,949, 9–12–61, Cl. 307—141.5.
Thompson, Harwell B.: *See*—
Petters, Oscar R., and Thompson. 2,976,673.
Thompson, Henry C., to Conso Realty Co. Method of molding articles. 2,977,637, 4–4–61, Cl. 18—59.
Thompson, Henry M. Haystack moving apparatus. 3,013,677, 12–19–61, Cl. 214—85.1.
Thompson, Howard A., R. E. Donaldson, and C. C. White, to Eastman Kodak Co. Treated textile fiber. 2,976,186, 3–21–61, Cl. 117—139.5.

Thompson, Howard G., to Massey-Ferguson Inc. Self-indexing two-way plow. 2,982,362, 5–2–61, Cl. 172—210.
Thompson, Jack C.: *See*—
West, Samuel R., Thompson, and Paul. 2,975,834.
Thompson, Jay D.: *See*—
Schjeldahl, Gilmore T., and Thompson. 2,997,889.
Thompson, Jerome B., and B. D. Buddemeyer, to The Pan-plus Co. Cake mixes and improved shortenings therefor. 2,973,270, 2–28–61, Cl. 99—123.
Thompson, John A., to Russell Harrington Cutlery Co. Skinning knife. 2,979,820, 4–18–61, Cl. 30—215.
Thompson, John E. Apparatus for heating by steam. 2,983,488, 5–9–61, Cl. 257—314.
Thompson, John F., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,991,653, 7–11–61, Cl. 73—336.5.
Thompson, John L.: *See*—
Lincoln, Frank H., Spero, Schneider, and Thompson. 2,993,061.
Spero, George B., and Thompson. 2,968,655.
Thompson, John S., to Oxalloy Co. Solution and method for treating mica products and articles produced therefrom. 2,979,108, 4–11–61, Cl. 154—2.6.
Thompson, John W. Calculator. 2,973,143, 2–28–61, Cl. 235—78.
Thompson, Joseph, to Coates Board & Carton Co., Inc. Cartons. 2,973,086, 2–28–61, Cl. 206—45.31.
Thompson, Kenneth E., Jr., to E. I. du Pont de Nemours and Co. Glass fabric gasket and diaphragm material coated with a cured elastomeric copolymer of vinylidene fluoride and hexafluoropropene and method of making same. 2,983,624, 5–9–61, Cl. 117—68.
Thompson, Kenneth W., to United States of America, Army. Control device. 2,998,733, 9–5–61, Cl. 74—553.
Thompson, Lindsay L. A., and G. R. Jewell, to Ford Motor Co. Remote control for multiple speed transmission. 2,968,194, 1–17–61, Cl. 74—473.
Thompson, Lloyd W., to Marspring Corp. Apparatus for making lengths of fabric-pocketed spring coils. 2,983,236, 5–9–61, Cl. 112—2.
Thompson, Louis A., to N.E.A. Services, Inc. Method and apparatus for making color-corrected separations. 2,976,349, 3–21–61, Cl. 178—5.2.
Thompson, Louis W., to Fidelity Electric Co., Inc. Synchronous alternator system. 2,990,508, 6–27–61, Cl. 322—25.
Thompson, Lynn D. Shoe polish applicator. 3,008,172, 11–14–61, Cl. 15—547.
Thompson, Max D.: *See*—
Snyder, Clifford H., and Thompson. 2,988,286.
Thompson, Miles C. Mobile industrial suction cleaner. 2,971,210, 2–14–61, Cl. 15—346.
Thompson, Moody C., Jr., F. E. Freethey, and D. M. Waters, to United States of America, Commerce. Cavity resonator. 2,981,908, 4–25–61, Cl. 333—83.
Thompson, Mortimer S., to United States Rubber Co. Gum plastic composition containing rosin. 2,995,537, 8–8–61, Cl. 260—27.
Thompson, Norris J. Market cart with folding seat. 2,970,845, 2–7–61, Cl. 280—33.99.
Thompson, Olin R., to Armour & Co. Method for producing consumer size semi-cylindrical packages of cheese of uniform weight. 2,982,661, 5–2–61, Cl. 99—178.
Thompson, Orville I., to De Vry Technical Institute, Inc. Electronic instruction device. 3,011,269, 12–5–61, Cl. 35—19.
Thompson, Paul. Packaging box or tray. 2,994,466, 8–1–61, Cl. 229—30.
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Huber, Clarence F., and Thompson. 2,996,398.
Huber, Clarence F., and Thompson. 2,996,399.
Tendick, Frank H., Thompson, and Elslager. 3,012,036.
Thompson, Philip M., and C. A. Franklin, to Her Majesty the Queen in the Right of Canada as represented by the Minister of National Defence. Current overload protective circuits. 2,980,845, 4–18–61, Cl. 323—22.
Thompson, Philip M., and R. J. Bibby, to Her Majesty the Queen in right of Canada, as represented by the Minister of Defence. Analogue multiplier. 3,013,724, 12–19–61, Cl. 235—194.
Thompson, Porter: *See*—
Randall, Walter H., and Emery. 2,986,490.
Thompson Products, Ltd.: *See*—
Edgar, John S., and King. 2,973,047.
Thompson, Quentin E., to Monsanto Chemical Co. 2,4-substituted 6,7-dihydro-5H-cyclopenta pyrimidines. 2,969,361, 1–24–61, Cl. 260—251.
Thompson, Quentin E., to Monsanto Chemical Co. Dihydropyran ozonides and the method of making the same. 2,973,372, 2–28–61, Cl. 260—347.4.
Thompson, Quentin E., to Monsanto Chemical Co. Phosphorus ozone compounds. 3,010,987, 11–28–61, Cl. 260—461.
Thompson, Ralph B.: *See*—
Cyba, Henry A., and Thompson. 2,974,023.
Cyba, Henry A., and Thompson. 2,982,729.
Cyba, Henry A., and Thompson. 2,982,750.
Gleim, William K. T., and Thompson. 2,969,378.
Gleim, William K. T., and Thompson. 2,990,420.
Thompson, Ralph B., to Universal Oil Products Co. Stabilized hydrocarbon oil. 2,968,618, 1–17–61, Cl. 252—32.5.
Thompson, Ralph B., to Universal Oil Products Co. Method of inhibiting corrosion. 2,968,629, 1–17–61, Cl. 252—389.
Thompson, Ralph B., to Universal Oil Products Co. Lubricating grease compositions containing an alkylaminocarbazole. 2,990,368, 6–27–61, Cl. 252—40.7.
Thompson, Ralph B., to Universal Oil Products Co. Bis-halocycloalkenyl derivatives alkylidenedioxybenzenes. 2,999,098, 9–5–61, Cl. 260—340.5.
Thompson, Ralph B., to Universal Oil Products Co. Treatment of hydrocarbon distillates. 2,999,806, 9–12–61, Cl. 208—206.
Thompson, Ralph B., and F. Stolfa, to Universal Oil Products Co. Production of sulfur. 2,992,076, 7–11–61, Cl. 23—225.
Thompson, Ralph R., and E. W. Brasch, Jr., to Phillips Petroleum Co. Valve. 3,006,367, 10–31–61, Cl. 137—610.
Thompson Ramo Wooldridge Inc.: *See*—
Achor, William E., and Booth. 2,974,213.
Alexander, Melville F. 2,976,065.
Anderson, Robert J. 2,970,437.
Anderson, Robert J., Hamrick, and Oppenheimer. 2,977,820.
Aspelin, Leslie L. 3,007,513.
Ball, Eugene E., Jr. 2,982,222.
Bayer, Frank C. 2,986,152.
Bayer, Frank C. 3,008,421.
Beremand, Donald G. 2,970,609.
Bernard, Samuel D. 2,998,770.
Booth, Eugene C. 2,969,455.
Bluck, Raymond M. 2,971,645.
Charles, Randolph E. 2,997,669.
Clark, Hubert M., and Livermore. 2,981,067.
Clary, Harry E. 2,984,258.
Cliborn, Robert. 2,984,751.
Compton, William A. 3,013,641.
Corbett, Marshall J. 2,971,097.
Corbett, Marshall J. 2,975,746.
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Corbett, Marshall J. 3,004,494.
Drukey, Donald L. 2,968,798.
Drutchas, Gilbert H. 3,003,423.
Dudley, Edward C. 2,971,523.
Edwards, William V., and Lorenz. 2,980,028.
Edwards, William V., Lorenz, and Rader. 3,008,426.
Fairbanks, Avard F., and Johnston. 2,988,456.
Fathauer, George H. 2,976,356.
Fathauer, George H. 3,006,995.
Fletcher, Arthur J., and Dillingham. 3,007,146.
Goodell, Everett M., and Lakatos. 3,005,194.
Gottfried, Robert E. 2,994,789.
Guth, Fred H., and Blake. 2,974,235.
Guth, Fred H., and Majercak. 2,974,271.
Haggerty, John L. 2,972,308.
Herbenar, Edward J. 2,986,955.
Herbenar, Edward J. 3,004,786.
Herbenar, Edward J., and Mazur. 2,972,496.
Heiss, John P. 2,998,210.
Heiss, John P. 3,007,496.
Heiss, John P., and Gates. 3,011,595.
Hess, Anton. 2,978,227.
Hess, Anton. 3,003,750.
Hess, Anton. 3,011,766.
Hilleman, Dale L. 3,003,121.
Horner, John W. 2,988,430.
Horner, John W. 3,007,600.
Horner, John W., and Rothenberg. 2,981,059.
Hull, Roy W. 2,970,582.
Jacques, George E. 2,990,523.
Jewell, Jack D. 3,003,312.
Kilgore, Charles R. 2,977,110.
Kilgore, Charles R. 2,993,706.
Kitko, Bartholomew J. 3,000,617.
Koffel, John K., and Lindley. 2,974,858.
Krause, Frank R. 2,969,700.
Kresse, Arthur O., and Rapp. 2,988,431.
Lakatos, Emory. 2,970,304.
Lakatos, Emory, Pidhayny, and Gordon. 2,991,463.
Lazo, Luis R., and Barish. 3,010,697.
Livermore, William T., and Clark. 2,984,186.
Livermore, William T., Clark, and Drutchas. 3,009,420.
Livermore, William T., Clark, and Drutchas. 3,009,421.
Lorenz, Donald L., and Edwards. 2,969,019.
MacIntyre, Robert M. 2,990,477.
MacIntyre, Robert M. 3,014,169.
Malbrain, John P. 2,992,384.
Mallina, Rudolph F. 2,977,125.
Martin, Cecil G., and Denington. 3,007,306.
Matz, Norman. 2,980,318.
Mueller, Milton W. 3,001,535.
Murray, John F. 2,972,952.
Nasvytis, Algirdas L. 2,992,635.
Newton, John A. Re. 24,928.
Nyberg, James J., and Scarbrough. 3,015,091.
Pekarek, Edward G. 2,987,806.
Pidhayny, Denny D. 3,001,189.
Prasse, Herbert F. 2,996,015.
Prasse, Herbert F. 3,003,424.
Prasse, Herbert F., and Thrap. 2,984,187.
Ray, Edward, and Fairweather. 2,988,874.
Reed, Robert C. 2,984,826.
Sampietro, Achilles C. 2,973,753.
Sampietro, Achilles C. 2,976,032.
Sampietro, Achilles C. 2,979,921.
Sampietro, Achilles C. 2,980,089.
Sampietro, Achilles C. 2,991,130.
Sampietro, Achilles C. 2,992,529.

Thompson Ramo Wooldridge Inc.: *See*—Continued
Sampietro, Achilles C. 2,992,636.
Sampietro, Achilles C. 2,992,859.
Sampietro, Achilles C. 2,997,515.
Sampietro, Achilles C., and Grigsby. 2,994,026.
Sampietro, Achilles C., and Jeromson. 3,002,743.
Scarbrough, Alfred D. 2,990,478.
Schnabel, Julius W. 2,971,503.
Schoepe, Fred A., and Venables. 2,984,147.
Schunemann, Carl F. 2,995,042.
Schunemann, Carl F., Jacques, and Wylie. 2,995,716.
Schwartz, Walter. 2,969,943.
Scibbe, Harold R. 2,991,054.
Scibbe, Harold R., Hall and Hilgendorf. 3,003,489.
Seiler, Donald J. 2,988,073.
Silverman, Jerome H. 2,978,600.
Smeltzer, Jack C. 2,998,532.
Stiglic, Paul M. 2,988,919.
Stiglic, Paul M. 3,000,181.
Stiglic, Paul M., and Carrell. 2,992,633.
Stiglic, Paul M., and Mrava. 2,984,213.
Stiglic, Paul M., and Shramo. 2,977,968.
Stoermer, William F. 3,011,470.
Tauschek, Max J. 2,988,188.
Tauschek, Max J., and Seiler. 3,008,687.
Taylor, John E. 2,976,677.
Templeton, Herbert W. 2,992,817.
Templeton, Herbert W. 3,007,693.
Thrap, John E. 2,982,217.
Townhill, Arthur. 3,010,186.
Whitaker, Richard A. 2,997,437.
Wickersham, Price D. 2,982,855.
Wilson, Robert W., and Brettnacher. 2,972,959.
Wise, James C. 2,988,396
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Woods, Elvin L. 3,014,137.
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McClintock, Ross A., and Thompson. 2,972,471.

Thompson, Reynald E., to Motorola, Inc. Rotary tuner. 2,983,885, 5–9—61, Cl. 336—45.

Thompson, Richard E., to General Motors Corp. Refrigerating apparatus. 2,989,855, 6–27–61, Cl. 62—296.

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Kryzer, Benjamin H., Techler, and Thompson. 3,003,638.
Kryzer, Benjamin H., and Thompson. 3,007,482.

Thompson, Richard W. Furniture construction. 2,987,361, 6–6–61, Cl. 312—255.

Thompson, Robert E. Method of potentiating ACTH preparations. 2,992,165, 7–11–61, Cl. 167—74.

Thompson, Robert L.: *See*—
Kurt, Ewald H., and Thompson. 3,011,570.

Thompson, Robert P., and A. C. Wurdack, Jr., to McGraw-Edison Co. Method of constructing magnetic core. 2,968,087, 1–17–61, Cl. 29—155.57.

Thompson, Roger D., to Radio Corp. of America. Electron beam control system for vertical strip color tube. 2,989,583, 6–20–61, Cl. 178—5.4.

Thompson, Ronald E. Rotary pump of tube-compression type. 2,982,225, 5–2–61, Cl. 103—149.

Thompson, Roy F.: *See*—
Breach, Alan C. E. 3,010,121.

Thompson, Samuel L.: *See*—
Sarahan, Bernard L., Jeffrey, Jacobs, Mayer, and Thompson. 2,994,478.

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Thompson, William R., Saunders, and Murray. 2,984,026.

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Thompson, Stanley G.: *See*—
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Thompson, Stanley G., D. R. Miller, and R. A. James, to United States of America, Atomic Energy Commission. Arsenate carrier precipitation method of separating plutonium from neutron irradiated uranium and radioactive fission products. 2,989,367, 6–20–61, Cl. 23—14.5.

Thompson, Stanley H. A., to The Tan-Sad Chair Co. (1931) Ltd. Adjustable back rests for seats. 2,980,166, 4–18–61, Cl. 155—157.

Thompson, Theodore F. Fifth wheel mount. 2,976,964, 3–28–61, Cl. 188—112.

Thompson, Theos J. Nuclear scintillation monitor. 3,005,100, 10–17–61, Cl. 250—71.5.

Thompson, Thomas F. High frequency receiving antenna. 2,968,037, 1–10–61, Cl. 343—701.

Thompson, Thomas G. Masking-tape applicator. 2,999,609, 9–12–61, Cl. 216—29.

Thompson, Thomas W., to International Business Machines Corp. Control apparatus for record feeding devices. 2,983,356, 5–9–61, Cl. 197—133.

Thompson, Tom H., to Sabre Research Corp. Bellows structure. 2,973,015, 2–28–61, Cl. 137—796.

Thompson, Vernon L., to In-Sink-Erator Mfg. Co. Waste disposer apparatus. 3,014,671, 12–26–61, Cl. 241—296.

Thompson, Walter L., to E. I. du Pont de Nemours and Co. Coating linear condensation polymers with a polyisocyanate adduct. 2,994,671, 8–1–61, Cl. 260—17.

Thompson, Walter N., to Improved Machinery Inc. Pump. 3,001,481, 9–26–61, Cl. 103—128.

Thompson, Walter S.: *See*—
Rosen, Shy, and Thompson. 2,992,117.

Thompson, William B.: *See*—
Rohde, Robert P., and Thompson. 2,996,048.

Thompson, William B., and R. P. Rohde, to General Motors Corp. Anti-surge valve for power steering pump. 2,996,013, 8–15–61, Cl. 103—42.

Thompson, William C. Stress eliminator for partial dentures. 2,982,024, 5–2–61, Cl. 32—7.

Thompson, William D. Glare shielding device. 2,981,956, 5–2–61, Cl. 2—13.

Thompson, William E.: *See*—
Goodwin, Richard M., Imler, and Thompson. 3,006,058.

Thompson, William E., and D. R. Mullin, to Sun Oil Co. Polypropylene compositions. 2,978,430, 4–4–61, Cl. 260—31.8.

Thompson, William F. Combination salt dried and night light. 3,005,804, 10–24–61, Cl. 240—2.

Thompson, William F., Jr., to United States of America, Navy. Strut supported cooled turbine blade. 2,974,926, 3–14–61, Cl. 253—39.15.

Thompson, William H., to American Metal Products Co. (Davis Engineering Division). Oil heater. 2,980,172, 4–18–61, Cl. 158—36.

Thompson, William H., to Phillips Petroleum Co. Control of hydrogen halide concentration in the isomerization of hydrocarbons. 2,983,774, 5–9–61, Cl. 260—683.74.

Thompson, William J.: *See*—
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Thompson, William, Jr., to Roto Wrap Machine Co. Packaging apparatus. 2,982,066, 5–2–61, Cl. 53—180.

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Thompson, William R., C. E. Saunders, and D. E. Murray, to Thompson Scoop-Grader, Inc. Road-working machine. 2,984,026, 5–16–61, Cl. 37—126.

Thompson, William S.: *See*—
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Thompson, William S., to Elkhart Brass Mfg. Co., Inc. Hydraulically operated fog nozzle. 2,988,289, 6–13–61, Cl. 239—456.

Thompson, William S., to Shepard Niles Crane & Hoist Corp. Trolley mechanism. 2,997,003, 8–22–61, Cl. 104—93.

Thoms, Rudolph H., to Republic Steel Corp. Machine and process for corner bending corrugated sheet. 2,967,560, 1–10–61, Cl. 153—21.

Thomsen, Alfred M. Method of processing pegmatite. 2,994,581, 8–1–61, Cl. 23—18.

Thomsen, Alfred M. Method of making glycerine from lignified cellulose. 3,003,924, 10–10–61, Cl. 195—38.

Thomsen, Donald L., to Minnesota Mining and Mfg. Co. Method of making a heat-sensitive copy-sheet and resultant article. 2,980,551, 4–18–61, Cl. 117—36.

Thomsen, Max M., and W. M. Bagley, to Sylvania Electric Products Inc. Artificial ceiling and suspension means therefor. 3,014,564, 12–26–61, Cl. 189—88.

Thomsen Supply, Inc.: *See*—
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Thomsen, William A. V.: *See*—
Siman, Alfred W., and Thomsen. 2,990,852.

Thomson, Amherst F. H. to National Research Development Corp. Microwave mixers. 2,971,087, 2–7–61, Cl. 250—24.

Thomson, Arthur J., to Hobbs Mfg. Co. Fluid controlled tension winding and unwinding device. 3,008,353, 11–14–61, Cl. 74—778.

Thomson, Byron C., to Lamb Industries, Inc. Cane harvester. 3,002,330, 10–3–61, Cl. 56—17.

Thomson, Elihu C., and P. J. Cade, to Electronics Corp. of America. Headlight sensing device for automobiles. 3,012,150, 12–5–61, Cl. 250—239.

Thomson, George P., and M. Blackman, to United States of America, Atomic Energy Commission. High temperature and neutron producing system. 2,993,851, 7–25–61, Cl. 204—193.2.

Thomson, James L., to The Victoria Foundry Co. Ltd. Sectional mast and elevating means therefor. 2,992,710, 7–18–61, Cl. 189—26.

Thomson, John B., and R. C. Magee; said Magee assor. to said Thomson. Anti-friction bearings. 3,005,665, 10–24–61, Cl. 308—6.

Thomson, John R.: *See*—
Faber, Robert E., and Thomson. 3,001,058.

Thomson, Kenneth W.: *See*—
Estes, Cameron B., and Thomson. 3,008,661.

Thomson, Marianne H.: *See*—
Kirk, David N., Petrow, and Thomson. 2,981,732.

Thomson, Mark R.: *See*—
MacNeill, John H., West, and Thomson. 2,967,918.

Thomson, Mary G. Combination dispenser and cleaner apparatus. 2,973,538, 3–7–61, Cl. 15—136.

Thomson, Robert F.: *See*—
Caplan, Isadore, Frank, Rufin, and Thomson. 2,982,312.
Larson, William B., Thomson, and Webbere. 2,978,320.

Thomson, Wallace B., and A. Corbin, Jr., to United States of America, Atomic Energy Commission. Neutronic reactor core. 2,992,981, 7–18–61, Cl. 204—193.2.

Thomson, William L., to Edwin L. Wiegand Co. Radiant heating. 2,987,603, 6–6–61, Cl. 219—34.

Thonet, Theodore A.: *See*—
Clapp, Charles H., Jr., and Thonet. 2,982,743.

Thonon, Clement: *See*—
Limido, Jean, Miquel, and Thonon. 3,006,844.

Thor Power Tool Co.: *See*—
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Fuehrer, George H. 3,003,773.
Fuehrer, George H. 3,007,449.
Fuehrer, George H. 3,010,730.
Sandvig, Robert L. 2,969,846.
Sandvig, Robert L. 2,990,032.
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Thorens S.A.: *See*—
Thevenaz, Louis. 2,980,429.
Thévenaz, Louis. 2,983,514.
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Eliassen, Fred B., and Thoresen. 3,011,789.
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Gilmore, Walter T., Jr., Thorguson, Guarisco, and Verret. 3,001,371.
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Kemp, William P., and Johnston. 2,988,421.
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Thorkildsen, Per. Machine for producing tube-shaped bodies from veneer sheets, especially barrel shells. 2,993,520, 7–25–61, Cl. 144—268.
Thorley, Brian: *See*—
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Friauf, George F., and Thorley. 3,010,795.
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Chapman, Donald F. 2,987,650.
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Ranby, Peter W. 3,014,874.
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Thorn, Harry F., to Koppers Co., Inc. Paperboard forming and cutting apparatus. 2,985,223, 5–23–61, Cl. 154—31.
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Strathearn, Donald M., and Thornbery. 2,995,143.
Thornbery, James M., to Controls Co. of America. Timer. 2,973,672, 3–7–61, Cl. 74—813.
Thornburg, Herbert W., to Bucyrus-Erie Co. Well drill pipe-handling apparatus. 2,972,388, 2–21–61, Cl. 175—52.
Thornburgh, William F., to General Motors Corp. Filter sealing means. 2,996,145, 8–15–61, Cl. 183—73.
Thorne, Harold, to Gordon S. Lexton. Garment creasing device. 2,999,619, 9–12–61, Cl. 223—74.
Thorne, Niblack. Nozzle device. 3,003,706, 10–10–61, Cl. 239—511.
Thorne, Virgil F. Automobile tire shipping package and tire retaining pallet therefor. 3,012,663, 12–12–61, Cl. 206—65.
Thorner, Robert H. Fluid operated governor. 2,995,898, 8–15–61, Cl. 60—97.
Thorneycroft, Dennis R.: *See*—
Dixon, Ronald H. T., and Thorneycroft. 2,995,815.
Thornton, Charles G.: *See*—
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Thornton, Clarence G., to Philco Corp. Method of providing connection to semiconductive structures. 3,002,271, 10–3–61, Cl. 29—488.
Thornton, Edna A., to A. E. Wernberg. Toilet seat and lid covering set. 2,994,887, 8–8–61, Cl. 4—242.
Thornton, Ray F. Locking differential. 2,971,404, 2–14–61, Cl. 74—711.
Thornton, Samuel A., to S. A. Thornton, Jr. Cane combine. 2,974,464, 3–14–61, Cl. 56—17.
Thornton, Samuel A., Jr.: *See*—
Thornton, Samuel A. 2,974,464.
Thornton, William A., to Westinghouse Electric Corp. Method for operating electroluminescent cell and electroluminescent apparatus. 2,972,692, 2–21–61, Cl. 313—108.
Thornton, William A., Jr., to Westinghouse Electric Corp. Method of operating electroluminescent cell. 2,972,694, 2–21–61, Cl. 313—108.
Thornton, William E., to Del Mar Engineering Laboratories. Missile simulator. 2,971,274, 2–14–61, Cl. 35—25.
Thornton, William E., to Del Mar Engineering Laboratories. Scoring system. 2,983,915, 5–9–61, Cl. 343—5.
Thorp, Arthur G., II: *See*—
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Lindberg, Karl G. H., Person, and Thorsen. 3,005,051.
Thorson, Benjamin N., to The Babcock & Wilcox Co. Method of and apparatus for disintegrating and dispersing a molten smelt stream. 2,967,758, 1–10–61, Cl. 23—48.
Thorson, John R.: *See*—
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Rayburn, Charles C., and Thorson. 2,992,730.
Thorson, John R., to ACF Industries, Inc. Trailer-mounted missile rack. 2,999,693, 9–12–61, Cl. 280—29.
Thorson, Warren K., to Dresser Industries, Inc. Handling of equipment laterally of a well location. 2,975,601, 3–21–61, Cl. 61—46.5.
Thorson, Warren K., to Dresser Industries, Inc. Method and apparatus for tilting a mast. 3,008,549, 11–14–61, Cl. 189—15.
Thorsheim, Joseph O., to Minneapolis-Honeywell Regulator Co. Combination valve and safety pilot. 3,004,713, 10–17–61, Cl. 236—68.
Thost, Darrell F. Sink ring. 2,991,483, 7–11–61, Cl. 4—187.
Thostenson, Lewis D., and L. C. Galleber, to Salsbury Corp. Clutch. 2,976,975, 3–28–61, Cl. 192—69.
Thouret, Wolfgang E., to Duro-Test Corp. Xenon short arc lamps. 2,974,249, 3–7–61, Cl. 313—113.
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Thrap, John E., to Thompson Ramo Wooldridge Inc. Pump and accumulator unloader assembly. 2,982,217, 5–2–61, Cl. 103—42.
Thrasher, Howard G., to Litton Systems, Inc. Precision irrotational mount. 2,971,383, 2–14–61, Cl. 74—5.
Thrasher, Howard G., and D. L. Enge, to Litton Industries of California. Ball joint bearing. 3,014,767, 12–26–61, Cl. 308—72.
Thrasher, Ralph H., Jr. Balance-wheel lock. 2,977,751, 4–4–61, Cl. 58—107.
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Throckmorton, John W., and J. S. Wallis, to Yuba Consolidated Industries, Inc. Vertical tube heaters. Re. 25,006, 7–4–61, Cl. 122—356.
Throckmorton, John W., and J. S. Wallis, to Yuba Consolidated Industries, Inc. Vertical tube heater. 2,994,307, 8–1–61, Cl. 122—356.
Throckmorton, John W., and J. S. Wallis, to Yuba Consolidated Industries, Inc. Double fired vertical tube heater. 3,003,481, 10–10–61, Cl. 122—356.
Throckmorton, Morford C.: *See*—
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Andersen, Donald L., and Throckmorton. 2,993,007.
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Thumm, Byron A., to American Viscose Corp. Method of preparing all skin viscose. 2,989,366, 6–20–61, Cl. 18—54.
Thumm, Byron A., to American Viscose Corp. All skin viscose rayon and method of preparing same. 2,989,410, 6–20–61, Cl. 106—165.
Thunaes, Arvid, A. E. Brown, A. T. Rabbitts, R. Simard, and H. J. Herbst, to United States of America, Atomic Energy Commission. Leaching of uranium ores using alkaline carbonates and bicarbonates at atmospheric pressure. 2,992,887, 7–18–61, Cl. 23—14.5.
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Thurber, William C., to United States of America, Atomic Energy Commission. Neutronic reactor fuel composition. 2,967,812, 1–10–61, Cl. 204—193.2.
Thuresson af Ekenstam, Bo, B. G. Pettersson, and F. Henn, to Aktiebolaget Bofors. Substituted amino alkyl esters of para-alkyl sulfamide benzoic acids. 2,991,283, 7–4–61, Cl. 260—247.1.

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Thurman, Benjamin H., to B. Clayton, doing business under the fictitious name and style of Refining, Uninc. Process for producing lecithin products from soapstocks. 2,970,-010, 2–7–61, Cl. 99—2.
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Thurston, Edward G., and C. W. Andersen, to The Rudolph Wurlitzer Co. Electronic piano. 2,998,741, 9–5–61, Cl. 84—1.14.
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Thwaites, George P., and H. Downing, to International Standard Electric Corp. Method of winding grid electrodes. 2,973,787. 3–7–61. Cl. 140—71.5.
Thyer, Roger, to Inland Homes Corp. Prefabricated houses. 2,988,742, 6–20–61, Cl. 1—125.
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Tibbals, Charles E., to Wood Products Development Co., Inc. Apparatus for making parquet flooring blocks. 2,983,361, 5–9–61, Cl. 198—24.
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Tibbetts, Raymond W. and G. C. 2,994,016.
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Tibbetts, Raymond W. 2,988,804.
Tibbetts, Raymond W. and G. C. 2,994,016.
Tibbetts, Raymond E., and D. C. Gilkeson, to Revere Camera Co. Convertible dual conjugate lens. 2,975,674, 3–21–61, Cl. 88—57.
Tibbetts, Raymond W., to Tibbetts Industries, Inc. Method of winding electric coils. 2,988,804, 6–20–61, Cl. 29—155.57.
Tibbetts, Raymond W. and G. C., to Tibbetts Industries, Inc. Magnetic translating device. 2,994,016, 7–25–61, Cl. 317—172.
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Tibony, Henry. Umbrella construction. 3,010,465, 11–28–61, Cl. 135—33.
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Banigan, Thomas F., Jr. 2,999,067.
Banigan, Thomas F., Jr. 2,999,740.
De Benedetti, Harold B. 3,000,036.
Grove, John H. 2,983,673.
Henderson, Hugh B. 2,999,062.
Hommer, Gordon H. 2,967,831.
Persyn, Charles L., Jr. 2,999,061.
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Tillisch, Henry. Process of reducing static electricity in polyamide fibers and the like products. 3,012,905, 12-12-61, Cl. 117—106.

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Bergen, Charles R., Scott, Tillman, and Woods. 2,977,301.

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Faeber, Harry W. 2,966,848.
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Time Saver Sales, Inc.: *See*—
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Timmer, Jan C. Toy electric train assembly. 2,990,964, 7-4-61, Cl. 213—212.

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Bavley, Abraham, Brunings, Knuth, and Timreck. 2,993,021.
Bavley, Abraham, Michelotti, and Timreck. 2,989,500.

Timuska, Harijs B. Method of reconditioning worn-out surfaces of aluminum alloy pistons. 3,004,336, 10-17-61, Cl. 29—401.

Tindal, Charles H., to United States of America, Navy. Torpedo steering mechanism. 2,974,621, 3-14-61, Cl. 114—24.

Tindall, John B., to Commercial Solvents Corp. Recovery of 5-aminohexahydropyrimidines. 2,990,404, 6-27-61, Cl. 260—256.4.

Tindall, Joseph H., to Progressive Welder Sales Co. Welding die. 2,967,228, 1-3-61, Cl. 219—119.

Tindell, Alvin R., to Hot Spot Detector, Inc. Method of securing the cover on a thermocouple cable. 3,012,306, 12-12-61, Cl. 29—155.5.

Tinfow, Lionel. Shower and bathtub enclosures. 2,980,969, 4-25-61, Cl. 20—11.

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Tingley, Bruce H., to Sperry Rand Corp. Key responsive multiplying and printing calculator. 2,984,411, 5-16-61, Cl. 235—60.

Tingley Rubber Corp.: *See*—
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Tinius Olsen Testing Machine Co.: *See*—
Gruber, Warren M., and Svihel. 2,980,331.

Tinlin, William. Tunneling machine having suction exhaust means. 3,005,627, 10-24-61, Cl. 262—6.

Tinnerman, George A. Supporting clamps. 2,968,850, 1-24-61, Cl. 24—81.

Tinnerman, George A. Plastic anchoring fastener with diverging shanks. 2,975,814, 3-21-61, Cl. 151—41.75.

Tinnerman, George A. Plastic rivet and wedging pin molded therein. 2,997,910, 8-29-61, Cl. 85—40.

Tinnerman, George A. Retaining clips. 3,004,370, 10-17-61, Cl. 50—520.

Tinnerman Products, Inc.: *See*—
Holton, Robert J. 2,995,772.
Holton, Robert J. 2,995,789.
Holton, Robert J. 2,995,790.
Holton, Robert J. 2,996,275.

Tino, Ovid. Airplane lifting device. 2,986,359, 5-30-61, Cl. 244—12.

Tinsley, Kelvin R. Ice fishing tip-up. 2,977,704, 4-4-61, Cl. 43—17.

Tinsley, Samuel W.: *See*—
Fitzpatrick, John T., and Tinsley. 2,986,545.
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Phillips, Benjamin, Tinsley, and Starcher. 3,000,878.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,879.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,880.
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Starcher, Paul S., and Tinsley. 2,999,867.

Tinsley, Samuel W., to Union Carbide Corp. Preparation of para - nitrobenzaldehyde and para - nitrobenzoic acid. 2,971,980, 2-14-61, Cl. 260—515.

Tinsley, Samuel W., and P. S. Starcher, to Union Carbide Corp. Exo-dicyclopentadiene dioxide. 2,985,667, 5-23-61, Cl. 260—348.

Tinsley, Samuel W., and P. S. Starcher, to Union Carbide Corp. Ethylene oxide adducts of epoxy-containing fatty acids. 2,998,432, 8-29-61, Cl. 260—348.

Tinsley, Samuel W., and P. S. Starcher, to Union Carbide Corp. Polyesters of 3-oxatricyclo[3.2.1.$0^{2,4}$]octane-6-methanols. 3,014,048, 12-19-61, Cl. 260—348.

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Tiraspolsky, Wladimir. Well drilling turbines. 2,982,517, 5–2–61, Cl. 253—59.
Tiraspolsky, Wladimir. R. F. Rouviere, and J. Chare. Motors for subterranean drilling. 2,983,481, 5–9–61, Cl. 253—3.
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Tirico, Arthur L. Electron beam deflection. 2,986,667, 5–30–61, Cl. 313—76.
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Tirtiaux, Robert, and J. B. Signouret, to Esso Standard Societe Anonyme Francaise. Anti-rust compositions. 2,978,423. 4–4–61, Cl. 260—19.
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Tisch, Richard E., to A-P-D Co. Fluid seal. 2,968,501, 1–17–61, Cl. 286—26.
Tisch, Richard E., to A-P-D Co. Sealing ring. 2,983,533, 5–9–61, Cl. 288—19.
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Tischer, Ernst M. Combined liquid measure and filter. 2,975,901. 3–21–61, Cl. 210—132.
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Tischler, Edward J., and B. H. Kryzer, to Union Tank Car Co. Brine tank valve. 2,985,423, 5–23–61, Cl. 251—210.
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Tischler, Nathaniel, to Heyden Newport Chemical Corp. Herbicidal compositions and methods. 2,977,212. 3–28–61, Cl. 71—2.6.
Tisdale, Larry. Faucet suds dispenser. 3,003,518, 10–10–61, Cl. 137—268.
Tisdall, Garnet H. Bracket for support of hand railings for bathtubs. 2,992,799, 7–18–61, Cl. 248—71.
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Ramberg, Einar M., and La Rose. 2,973,975.
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Title, Jack. Sanitary garment. 2,985,170, 5–23–61, Cl. 128—284.
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Tittle, Charles W., to Tracerlab, Inc. Neutron generator. 2,994,777, 8–1–61, Cl. 250—84.5.
Tittle, Charles W., to Gulf Research & Development Co. Radiation borehole logging. 3,004,160, 10–10–61, Cl. 250—83.1.
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Titus, William J. Structural components for aircraft or the like. 3,011,009. 11–28–61, Cl. 174—70.
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Tobey, Alton E. Abrading disk. 3,013,449, 12–19–61, Cl. 76—101.
Tobey, Arthur R., to Technicolor Corp. Transmission system. 2,996,574, 8–15–61, Cl. 178—6.
Tobey, Frederic S., to W. H. Brady Co. Heat-resistant adhesive article. 2,975,091, 3–14–61, Cl. 154—53.5.
Tobey, Frederic S., to W. H. Brady Co. Dispenser for precut pressure sensitive tape. 3,006,502, 10–31–61, Cl. 221—73.
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Toby, Max E., to Toby Enterprises. Method and apparatus for cutting paper sheets. 2,970,921. 2–7–61, Cl. 99—171.
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Toce, Charles A., and R. Broussard, to Electro-Acid Corp. of Nevada. Electric storage battery. 2,980,752, 4–18–61, Cl. 136—166.
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Hoshino, Yasushi, Namikawa, and Tochihara. 2,999,908.
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Todd, Edwin T., to General Motors Corp. Coach heating, cooling and ventilating system. 3,008,694, 11–14–61, Cl. 257—293.
Todd, Everett W., to Massey-Ferguson Inc. Mounting mechanism for implements. 2,970,654, 2–7–61, Cl. 172—239.
Todd, Gerald B., to Cornell-Dubilier Electric Corp. Vibrator controlled transistor inverter. 2,983,860, 5–9—61, Cl. 321—44.
Todd, Hoyt H., to Superweld Corp. Method of and means for heat processing metal in an inert atmosphere. 2,985,551, 5–23–61, Cl. 148—13.
Todd, Hoyt H., ½0 to J. M. Roberts. Method of fusing materials to metal surfaces. 2,994,762, 8–1–61, Cl. 219—76.
Todd, John H.: *See*—
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Todd, Max E.: *See*—
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Toelke, Lester W., to Great Lakes Carbon Corp. Retrievable carrier for a shaped charge perforator. 2,990,774, 7–4–61, Cl. 102—20.
Toelke, Lester W., to Great Lake Carbon Corp. Device for perforating well casing. 3,012,609, 12–12–61, Cl. 166—55.4.
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Toennies, Owe M., to The Grove Research and Development Co. Unloading machine for molded food products. 3,008,594, 11–14–61, Cl. 214—304.
Toepel, Richard R., to General Motors Corp. Exhaust heat control valve assembly. 3,011,488, 12–5–61, Cl. 123—122.
Toepfer, Edwin F. Key safe. 2,995,025, 8–8–61, Cl. 70—58.
Toepfer, Edwin F. Lock mechanism. 3,010,306, 11–28–61, Cl. 70—337.

Toepper, Marvin W., and H. E. Kasting, to Union Carbide Corp. Method for preparing shaped meat products. 3,011,895, 12–5–61, Cl. 99—107.
Tomlemire, Benjamin F. Clamping block for use with a dental matrix retainer. 2,995,822, 8–15–61, Cl. 32—63.
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Tolaas, William M., to Waldorf Paper Products Co. Tape roll holder. 3,014,578, 12–26–61, Cl. 206—52.
Toland, Wayne G., to International Harvester Co. Disk harrow. 2,970,657, 2–7–61, Cl. 172—455.
Tolbert, Bert M., M. R. Kirk, and E. M. Baker, to United States of America, Atomic Energy Commission. Method and apparatus for metabolic assay. 3,000,377, 9–19–61, Cl. 128—2.07.
Tolbert, Willard P.: *See*—
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Tolkmith, Henry, to The Dow Chemical Co. Heterocyclic phosphonothioates. 2,967,180, 1–3–61, Cl. 260—250.
Tolkmith, Henry, to The Dow Chemical Co. Organic compounds containing phosphorus and sulphur. 2,968,668, 1–17–61, Cl. 260—461.
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Tollefson, Robert D., to Collins Radio Co. Stabilized frequency offset doppler system. 2,996,708, 8–15–61, Cl. 343—8.
Tollefson, Robert D., to Collins Radio Co. F.M. doppler navigation system utilizing first F.M. sideband. 3,013,262, 12–12–61, Cl. 343—9.
Tollison, Paul L., C. L. Ricards, and S. Oderman, to Wood Newspaper Machinery Corp. Machine for casting printing plates. 2,985,925, 5–30–61, Cl. 22—3.
Tolman, Charles P. Bulbar compressors. 2,984,099, 5–16–61, Cl. 73—80.
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Tominaga, Shigeru, to Tokyo Denki Kagaku Kogyo Kabushiki Kaisha. Magnetic modulators. 2,990,521, 6–27–61, Cl. 332—51.
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Tomkins, David E.: *See*—
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Tomkins, David E., to Shenango China, Inc. Tunnel kiln and continuous conveyor system. 2,974,387, 3–14–61, Cl. 25—142.
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Tomko, Donald R., and R. F. Neff, to Curtiss-Wright Corp. Intermittent stop control spring clutches. 2,984,325, 5–16–61, Cl. 192—81.
Tomkow, Edward, to Dearborn Gage Co. Gage calibration device. 2,971,366, 2–14–61, Cl. 73—3.
Tomlinson, Alan B., and G. B. Elms, to Rolls-Royce Ltd. Pipe end fittings. 3,001,804, 9–26–61, Cl. 285—159.
Tomlinson Clinton. Vehicle roof exhaust ventilator. 2,972,939, 2–28–61, Cl. 98—2.
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Tomonari, Tsukumo, and Akaboshi. 2,988,802.
Tomonari, Tsukumo, and Nomura. 2,990,235.
Tomonari, Tsukumo, deceased (T. and N. Tomonari heirs of said Tsukumo Tomonari), and M. Akaboshi, ¼ to Air Reduction Co., Inc., and ¾ to Kurashiki Rayon Co., Ltd. Apparatus for spinning polyvinyl alcohol fibers and product. 2,988,802, 6–20–61, Cl. 28—82.
Tomonari, Tsukumo, deceased (T. and N. Tomonari, heirs), and S. Nomura, ¼ to Air Reduction Co., Inc., and ¾ to Kurashiki Rayon Co., Ltd. Process of improving the heat and water resistance of polyvinyl alcohol fibers with lower aliphatic alcohol vapors or superheated steam and optionally acetalizing said fibers. 2,990,235, 6–27–61, Cl. 18—54.
Tomosy, Geza. Toy walking four legged animal. 3,010,729, 11–28–61, Cl. 280—1.181.
Tompkin, Gervaise W.: *See*—
North, Edward D., Rode, and Tompkin. 2,968,551.
Tompkins, Albert H., to Van Norman Industries, Inc. Automatically operable centerless grinder. 2,990,656, 7–4–61, Cl. 51—103.

Tompkins, Harold W., and B. L. Archer, to Phillips Petroleum Co. Stimulating plant growth. 2,992,092, 7–11–61, Cl. 71—2.7.

Tompkins, Harry A. Double winged hinged handcuffs. 2,966,787, 1–3–61, Cl. 70—16.

Tompkins, Sherman A., to Johns-Manville Corp. Insulation. 2,998,229, 8–29–61, Cl. 257—263.

Toms, Bryan A., to Courtaulds Ltd. Manufacture of threads, fibres, filaments and the like from viscose. 2,992,880, 7–18–61, Cl. 8—120.

Toms, Lloyd M., to Acme Visible Records, Inc. Record cabinet device. 3,013,853, 12–19–61, Cl. 312—303.

Toms-River-Cincinnati Chemical Corp.: *See*—
Varkony, Emerich. 3,011,727.

Tone, John W.: *See*—
Belock, Harry D., and Tone. 2,998,678.

Tone, Melvin N.: *See*—
Youmans, Donald W., and Tone. 2,975,851.

Tone, Richard N.: *See*—
Wilbur, Warren D. Re. 24,921.
Wilbur, Warren D., and Tone. 2,979,800.

Tone, Robert M. Car theft tire deflator. 3,003,539, 10–10–61, Cl. 152—415.

Tonelli, Roger, to Radio Steel & Mfg., Co. Conveyer transfer mechanism. 3,006,453, 10–31–61, Cl. 198—25.

Toner, James W.: *See*—
Thomas, Llewelyn H., and Toner. 2,994,065.

Toney, Edward F., to Pittsburgh Plate Glass Co. Frame support for a panel. 2,976,970, 3–28–61, Cl. 189—75.

Toney, Lawrence B., to National Twist Drill & Tool Co. Cemented carbide body having wettable surface and method of producing same. 2,979,811, 4–18–61, Cl. 29—182.7.

Toney, Seth T. Devices used to remove kinks and twists from cords of telephone handsets. 2,992,297, 7–11–61, Cl. 139—178.

Tongue, Ben H.: *See*—
Blonder, Isaac S., and Tongue. 2,977,553.

Tongue, Ben H., to Blonder-Tongue Electronics. Electronic tuned circuit. 2,983,876, 5–9–61, Cl. 330—112.

Tongue, Ben H., to Blonder-Tongue Electronics. Coupling reducing apparatus. 2,986,706, 5–30–61, Cl. 330—80.

Tongue, Ben H., to Blonder-Tongue Electronics. Electron-tube stabilized amplifier. 2,999,985, 9–12–61, Cl. 330—80.

Tonkin, Albert. Pie crust and other dough stock templets. 2,968,261, 1–17–61, Cl. 107—46.

Tonne, Friedrich. Pneumatic dispatch carrier. 3,006,575, 10–31–61, Cl. 243—35.

Tonner, Richard C.: *See*—
Soper, Ralph B., and Tonner. 2,978,804.

Tonnesson, Floyd. Wreath support. 2,969,947, 1–31–61, Cl. 248—27.8.

Tooker, William, to Fransam Realty Corp. Commutator slot cleaner. 3,001,217, 9–26–61, Cl. 15—93.

Toolan, John J., to Rock-Ola Mfg. Corp. Automatic phonograph. 2,997,304, 8–22–61, Cl. 274—10.

Tooman, Paul F.: *See*—
Kleinmann, Earl E., and Tooman. 3,012,900.

Toomey, John B. Parachute. 3,003,721, 10–10–61, Cl. 244—142.

Toomey, John B., Jr., to United States of America, Navy. Release mechanism. 2,967,482, 1–10–61, Cl. 102—49.

Toomey, John F. Means for disarming a mine. 2,966,854, 1–3–61, Cl. 102—18.

Toomey, John F., to United States of America, Army. Electric fuze, magnetic impulse generator. 2,966,857, 1–3–61, Cl. 102—70.2.

Toomey, Robert D.: *See*—
McMullen, Bryce H., and Toomey. 2,982,615.

Toone, Clyde S.: *See*—
Rock, Howard P., and Toone. 2,969,147.

Toorks, William P.: *See*—
Walker, Richard M., and Toorks. 2,972,083.

Tootal Broadhurst Lee Co. Ltd.: *See*—
Burkitt, Frank H. 3,009,832.
Ryan, John J., and Taylor. 3,006,784.
Ryan, John J., and Taylor. 3,006,879.
Wood, Frederick C. 2,988,416.

Tootill, Geoffrey C.: *See*—
Williams, Frederic C., Kilburn, Newman, and Tootill. 3,012,724.
Williams, Frederic C., Kilburn, and Tootill. 3,012,725.
Williams, Frederic C., Kilburn, Tootill, and Robinson. 3,012,726.

Tootill, Lawrence, Pty. Ltd.: *See*—
Cavanagh, John. 3,002,639.

Top-Fab Co.: *See*—
Lee, Andrew. 3,012,601.

Topanelian, Edward, Jr.: *See*—
En Dean, Howard J., Jones, and Topanelian. 2,980,854.

Topatron, Inc.: *See*—
Appleman, Leo H. 2,978,531.

Topel, Harry J., to Borg-Warner Corp. Adjustable shelf mechanism for a refrigerator. 2,990,068, 6–27–61, Cl. 211—147.

Topfer, Alvin R., to Philco Corp. Electrochemical method. 2,978,388, 4–4–61, Cl. 204—16.

Topfer, Herbert: *See*—
Grote, Richard, Jauch, Topfer, and Voithenleitner. 3,004,107.

Topfer, Herbert, and F. Pfleiderer, to Siemens & Halske Aktiengesellschaft. Telephone call metering. 2,988,600, 6–13–61, Cl. 179—7.1.

Topliss, John G., N. Sperber, and A. A. Rubin, to Schering Corp. Method for the treatment of hypertension. 2,986,573, 5–30–61, Cl. 167—65.

Topp, Hereward J. B. Spinners for use in distributing granular materials. 2,967,604, 1–10–61, Cl. 198—128.

Topp, Johann B., to Miag Muhlenbau und Industrie G.m.b.H. Apparatus for treating granulated bulk material. 2,978,239, 4–4–61, Cl. 263—32.

Topper, Charles W.: *See*—
Werner, Frank R., Jackson, Wooster, Flint, and Topper. 2,974,860.

Topping, Charles H. Automatic developing system. 2,998,175, 8–29–61. Cl. 226—43.

Topping, Hunter L. Shipbuilding tool. 3,002,480, 10–3–61, Cl. 113—99.

Topps Chewing Gum, Inc.: *See*—
Tomberg, Victor T. 2,995,968.

Tops Metal Prod. Co.: *See*—
Consandine, Frederick G. 2,985,213.

Torch Rubber Co., Inc.: *See*—
Loewengart, Justin, Dennison, Wachenheimer, and Kaufman. 2,966,749.

Torcheux, Emile: *See*—
Gendreu, Robert, Honore, and Torcheux. 3,001,115.
Honore, Etienne, and Torcheux. 3,009,640.

Torcheux, Emile, and E. Honore, to Societe Marocaine de Recherches, d'Etudes et de Developments "Somarede." Vibrator devices. 2,999,919, 9–12–61, Cl. 200—166.

Tordo, Leon S. O. F.: *See*—
Villiers, Hubert L., and Tordo. 2,982,263.

Tordorf, Kell. Window curtain supports. 2,975,832, 3–21–61, Cl. 160—330.

Torell, Bruce N., to United Aircraft Corp. Fail-safe afterburner fuel control. 2,980,176, 4–18–61, Cl. 158—36.4.

Torell, Bruce N., to United Aircraft Corp. Afterburner control for a multispool gas turbine power plant. 2,984,969, 5–23–61, Cl. 60—35.6.

Torell, Bruce N., to United Aircraft Corp. Coordinated control of afterburner fuel supply and exhaust nozzle area in a multispool gas turbine power plant. 2,987,877, 6–13–61, Cl. 60—35.6.

Torell, Bruce N., and R. E. Hull, to United Aircraft Corp. Fuel control system for a twin spool gas turbine power plant. 2,989,849, 6–27–61, Cl. 60—39.28.

Torgerson, Arnold T.: *See*—
Dassow, Edgar E., and Torgerson. 2,982,807.

Torian, William H. Means for mounting thin, flexible membranes. 2,986,150, 5–30–61, Cl. 135—1.

Torisu, Ryokichi: *See*—
Nogami, Kunishige, Hotta, and Torisu. 2,972,020.

Torkar, Karl: *See*—
Bergmann, Oswald, and Torkar. 2,984,606.

Torkowski, Stanley. Tire mount. 2,995,283, 8–8–61, Cl. 224—42.13.

Torn, Lawrence J., J. P. Philbin, and L. L. Levison, to Cutler-Hammer, Inc. Gaging apparatus. 2,987,825, 6–13–61, Cl. 33—172.

Tornado Ramset G.m.b.H. & Co.: *See*—
Skumawitz, Max. 2,972,746.

Tornblom, Nils A.: *See*—
Appleton, Arthur I., Tornblom, and Lindell. 2,988,591.

Tornquist, Earl L., to Northern Illinois Gas Co. Gasification of carbonaceous solid fuels. 3,004,839, 10–17–61, Cl. 48—197.

Tornqvist, Erik, to Esso Research and Engineering Co. Preparation of crystalline titanium chloride. 3,010,787, 11–28–61, Cl. 23—87.

Tornqvist, Erik, and A. W. Langer, Jr., to Esso Research and Engineering Co. Preparation of catalyst with removal of halide. 3,001,951, 9–26–61, Cl. 252—429.

Toro Industries, Inc.: *See*—
Toro, John. 2,983,457.

Toro, John, to Toro Industries, Inc. Magnetic tape recorder. 2,983,457, 5–9–61, Cl. 242—55.12.

Toro Mfg. Corp.: *See*—
Benson, Donald O. 2,972,218.
Ertsgaard, Byron L., and Sonmore. 3,000,224.
Grimes, Charles E. 2,968,906.
Horner, Herbert F., Kroll, and Benson. 2,973,614.
Kroll, Harley E., and Horner. 2,970,422.
Weir, Hugh R. 3,002,401.

Torok, Elmer W.: *See*—
Stein, Frank S., and Torok. 2,980,832.

Torok, Julius J.: *See*—
Stutske, William A., and Torok. 2,975,554.

Torok, Julius J., to Kimble Glass Co. Apparatus for forming glass articles. 3,003,287, 10–10–61, Cl. 49—76.

Torok, Vilmos, to Allmanna Svenska Elektriska Aktiebolaget. N-phase self-oscillating low frequency generator. 2,982,865, 5–2–61, Cl. 307—57.

Toronto Star Ltd.: *See*—
Sykes, Thomas R. 2,993,583.

Torpedo Bueromaschinen Werke Aktiengesellschaft: *See*—
Salzberger, Andreas. 2,986,259.

Torpie, John D.: *See*—
Stump, Theodore M., and Torpie. 3,011,135.

Torrance, Donald M. Braking means for motor vehicles. 2,989,875, 6–27–61, Cl. 74—478.

Torre, Douglas P. Magnetic teaching panel. 3,010,228, 11–28–61, Cl. 35—73.

Torre, Pier L., ½ to Innocenti Soc. Gen. per l'Industrie Metallurgica e Meccanica. Two-stroke internal combustion engine. 2,973,752, 3–7–61, Cl. 123—59.

Torre, Pier L., to Innocenti Soc. Gen. per l'Industria Metallungica e Meccanica. Valve means for crankcase compression two-stroke cycle internal combustion engines. 3,010,441, 11-28-61, Cl. 123—59.
Torre, Salvatore F., to American Cyanamid Co. Blue shade gray vat dye and process therefor. 3,008,962, 11-14-61, Cl. 260—274.
Torrelli, Frank. Clamp for curb form. 2,997,768, 8-29-61, Cl. 25—118.
Torres, Jorge U., to E. B. Wiggins Oil Tool Co., Inc. Flexible coupling for beaded end tubing. 2,971,781, 2-14-61, Cl. 285—233.
Torresen, Carel T., to The National Utilities Corp. Instrument mounting device. 2,969,214, 1-24-61, Cl. 248—27.
Torresen, Robert, to The Brunswick Automatic Pinsetter Corp. Pinfall detection and indication. 3,011,785, 12-5-61, Cl. 273—43.
Torrey, Anthony J.: *See*—
Kerr, Donald R. 2,988,368.
Torrey, Anthony J. Snow plow. 3,014,289, 12-26-61, Cl. 37—50
Torrey, Edward L. Outboard boat-propulsion unit. 2,996,035, 8-15-61, Cl. 115—18.
Torrey, Robert D., to Sperry Rand Corp. Logical elements. 2,972,060, 2-14-61, Cl. 307—88.
Torricelli, Alfred. System for disinfecting water. 2,984,463, 5-16-61, Cl. 261—21.
Torrington Mfg. Co., The: *See*—
Atalla, Anwar A. 2,975,960.
Atalla, Anwar A. 2,976,352.
Farnsworth, Sidney W., and Froelich. 2,989,936.
Fisher, Walter. 2,978,282.
Franks, Edward E., Jr. 3,009,505.
Klonoski, Stephen W., and Merz. 3,005,497.
McGrane, John F. 3,014,582.
Merz, Kenneth A. 3,004,326.
Storrs, Robert S. 3,008,630.
White, Robert H. 2,981,570.
Torry, Douglas W.: *See*—
Drummond, James M., and Torry. 2,981,474.
Torsion Balance Co., The: *See*—
Richardson, Robert L. 2,993,547.
Toru Nishino, Mozu Umekita-Machi Sakai-Shi: *See*—
Yasuno, Yoshitaro. 3,002,334.
Toruk, Nicholas: *See*—
Meyer, Barthold F., and Toruk. 2,968,703.
Tosoni, Anthony L., P. J. Moloney, L. Goldsmith, and D. G. Glass, to The Governors of the University of Toronto. Preparation of p-aminobenzyl penicillin and derivatives thereof. 2,978,447, 4-4-61, Cl. 260—239.1.
Tostmann, Johannes, to Demag-Elektrometallurgie G.m.b H. Apparatus for electro-magnetic stirring. 2,968,685, 1-17-61, Cl. 13—26.
Toth, John M. Differential mechanisms. 2,985,035, 5-23-61, Cl. 74—711.
Toth, Louis R., to General Controls Co. Valve structure having readily removable plug and seat structures. 2,997,057, 8-22-61, Cl. 137—315.
Toth, Peter, to Contraves A.G. Automatic measuring apparatus. 2,979,710, 4-11-61, Cl. 340—347.
Toth, Tibor. Fluid controlled transmission for engines. 2,968,972, 1-24-61, Cl. 74—688.
Toti, Andrew J., to Honolulu Oil Corp. Fowl picking method. 2,998,619, 9-5-61, Cl. 17—45
Toto, Louis R. Composting machines. 2,994,591, 8-1-61, Cl. 23—259.1.
Totsas, Edgar J.: *See*—
Day, Thomas L., and Totsas. 3,011,518.
Totten, Gilbert vP., to Advance Engineering Co. Metering vending dispenser. 2,975,937, 3-21-61, Cl. 222—70.
Totton, John M., Jr. Vehicle stabilizing means. 2,976,077, 3-21-61, Cl. 296—1.
Touceda, Enrique G. Mechanical elements formed from alumina-filled polyester resins. 2,972,785, 2-28-61, Cl. 18—59.3.
Touchman, William S.: *See*—
Clemens, John E., Dean, Thomas, and Touchman. 2,980,319.
Touey, George P., to Eastman Kodak Co. Filament filter containing a hygroscopic compound. 3,008,472, 11-14-61, Cl. 131—208.
Touey, George P., to Eastman Kodak Co. Tobacco smoke filters with starch derivative additive. 3,008,473, 11-14-61, Cl. 131—208.
Touey, George P., J. E. Kiefer, and J. R. Caldwell, to Eastman Kodak Co. Tobacco smoke filter capable of selective removal of aldehydes. 2,968,306, 1-17-61, Cl. 131—208.
Touey, George P., and J. E. Kiefer, to Eastman Kodak Co. Preparation of sulfuric acid esters of cellulose. 2,969,356, 1-24-61, Cl. 260—215.
Touey, George P., and J. W. Tamblyn, to Eastman Kodak Co. Method of preparing cellulose esters. 2,976,277, 3-21-61, Cl. 260—227.
Touey, George P., and J. R. Caldwell, to Eastman Kodak Co. Nitrogen-containing esters of cellulose. 2,996,497, 8-15-61, Cl. 260—213.
Touey, George P., and J. E. Kiefer, to Eastman Kodak Co. Heat stable cellulose acetate sulfates. 3,000,876, 9-19-61, Cl. 260—215.
Touey, George P., and J. E. Kiefer, to Eastman Kodak Co. Selective tobacco smoke filter. 3,003,504, 10-10-61, Cl. 131—208.
Touey, George P., and R. C. Mumpower, II, to Eastman Kodak Co. Tobacco smoke filter containing a sugar ester. 3,008,474, 11-14-61, Cl. 131—208.
Touey, George P., and J. E. Kiefer, to Eastman Kodak Co. Cellulose esters containing the sulfonate group. 3,008,952, 11-14-61, Cl. 260—215.
Touger, Martin L., and R. E. Ulrich, to United States of America, Air Force. Hard shell liquid seal earmuff with isolated inner close coupling ear shell. 2,989,598, 6-20-61, Cl. 179—182.
Touher, Paul B.: *See*—
Block, Harry W., and Touher. 2,982,653.
Block, Harry W., and Touher. 3,011,894.
Touhey, William J., Jr., to E. I. du Pont de Nemours and Co. Process for preparing cored cellular articles. 3,012,284, 12-12-61, Cl. 18—48.
Toulemonde, Jacques, to Compagnie Generale de Telegraphia Sans Fil. Image transforming apparatus with cross modulation suppression means. 3,003,110, 10-3-61, Cl. 328—124.
Touliec, Lucien, to Societe des Usines Chimiques Rhone-Poulenc. Vulcanizable organopolysiloxane compositions including menthol. 3,012,982, 12-12-61, Cl. 260—29.8.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Grinding drum. Re. 25,076, 11-7-61, Cl. 51—190.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Apparatus and method for land transportation. 2,969,751, 1-31-61, Cl. 105—74.
Toulmin, Harry A., Jr., to Basic Research Corp. Tobacco smoking product. 2,972,557, 2-21-61, Cl. 131—17.
Toulmin, Harry A., Jr., to Union Carbide Corp. Method and apparatus for producing sterilized heat sensitive materials. 2,986,012, 5-30-61, Cl. 62—58.
Toulmin, Harry A., Jr., to Union Carbide Corp. Gas plating of synthetic fibers. 2,986,115, 5-30-61, Cl. 118,48.
Toulmin, Harry A., Jr., to Commonwealth Engineering Co. Liquid hydrocarbon fuel containing powdered coal, metal and catalyst. 2,986,456, 5-30-61, Cl. 52—.5.
Toulmin, Harry A., Jr., to Basic Research Corp. Method and mechanism for regulating and increasing photosynthesis of growing plants; also for irrigating the plants. 2,986,842, 6-6-61, Cl. 47—58.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Tire cord structure. 2,987,095, 6-6-61, Cl. 152—357.
Toulmin, Harry A., Jr., to Union Carbide Corp. Process for low temperature dehydration. 2,988,895, 6-20-61, Cl. 62—58.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Fuel and propellant composition. 2,989,388, 6-20-61, Cl. 52—.5.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Method of impregnating and rustproofing metal articles. 2,990,293, 6-27-61, Cl. 117—50.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Cutting compounds containing finely divided metal and chelating agent. 2,991,243, 7-4-61, Cl. 252—26.
Toulmin, Harry A., Jr., to Union Carbide Corp. Apparatus for making molds by gas plating. 2,994,297, 8-1-61, Cl. 118—48.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Silicone resinous composition containing carotene for coating bananas. 2,995,538, 8-8-61, Cl. 260—33.4.
Toulmin, Harry A., Jr., to National Toxicological Laboratories, Inc. Method and apparatus for growing living tissue. 2,996,429, 8-15-61, Cl. 167—78.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Apparatus for molding plastic materials. 3,004,290, 10-17-61, Cl. 18—30.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Jet or rocket fuel. 3,004,841, 10-17-61, Cl. 52—.5.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Catalyzed metal fuel. 3,006,745, 10-31-61, Cl. 52—.5.
Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Solid fuel and propellant composition. 3,006,746, 10-31-61, Cl. 52—.5.
Toulon, Pierre M. G., to Moore & Hall. Ferro-electric electroluminescent color television display device. 2,967,904, 1-10-61, Cl. 178—5.4.
Toulon, Pierre M. G., to Moore and Hall. Frequency adjustment system. 2,972,660, 2-21-61, Cl. 178—7.2.
Toups, Harry S., Jr., L. P. and R. H. Braud, to Thibodaux Boiler Works, Inc. Automatic bale trip mechanism for bagasse balers. 2,969,013, 1-24-61, Cl. 100—4.
Touraton, Emile: *See*—
Dumousseau, Claude R. J., and Touraton. 2,999,140.
Tournaire, Marcel, and A. Trompier, to Compagnie Generale du Duralumin et du Cuivre. Resistance welding of aluminum and its alloys. 2,977,458, 3-28-61, Cl. 219—118.
Tourville, Frank L., to Cole-Sewell Engineering Co. Unitary window structure. 3,002,556, 10-3-61, Cl. 160—92.
Tousignant, William F.: *See*—
Bakke, William W., Walles, and Tousignant. 2,993,031.
Tousignant, William F., and W. E. Walles, to The Dow Chemical Co. Copolymers of certain organosilicon monomers and N-vinyl cyclic carbamates. 3,004,950, 10-17-61, Cl. 260—46.5.
Toussel, Ernest M. Pitch and yaw eliminator for vessels and the like. 2,984,200, 5-16-61, Cl. 114—121.

Touton, Rush D. Method of curing green tobacco. 2,989,057, 6–20–61, Cl. 131—140.
Tovaglieri & C. Soc. II per Azioni: *See*—
Bordignon, Lelio, and Tovaglieri. 2,966,721.
Tovaglieri, Gian L.: *See*—
Bordignon, Lelio, and Tovaglieri. 2,966,721.
Towa Trading Co., Ltd.: *See*—
Lipsitz, Robert J. 3,001,566.
Towell, Billy H., and R. B. Heath, to Texaco Inc. Well sounding gun. 2,993,554, 7–25–61, Cl. 181—.6.
Towell, Lester L.: *See*—
Reel, Roy C., and Towell. 2,974,931.
Tower, Dell K.: *See*—
Ruehlemann, Herbert E., Burke, Bianchi, Smith, and Tower. 2,978,981.
Tower, Henry M., and A. J. Nicholas, to Worthington Corp. Cylinder liner and valve service design for high speed reciprocating compressors. 3,000,553, 9–16–61, Cl. 230—238.
Tower, Sargent N.: *See*—
Casler, Roger H., and Tower. 3,002,416.
Towey, John P., T. Van Wyke, K. A. Ratcliff, and W. A. Dorrance, to Diamond Laboratories, Inc. Hydrated calcium phosphate gel-antigen composition and method of preparing same. 2,967,802, 1–10–61, Cl. 167—78.
Towle, Jack L., to The Harshaw Chemical Co. Nickel plating solutions. 2,972,571, 2–21–61, Cl. 204—49.
Towle, Jack L., to The Harshaw Chemical Co. Nickel plating solutions. 3,000,799, 9–19–61, Cl. 204—49.
Towle, Philip H.: *See*—
Towler, Frank H. and J. M. 2,967,485.
Towler, Frank H.: *See*—
Towler, John M. 2,977,932.
Towler, Frank H., and J. M. Towler, deceased (F. H. Towler, executor), to Electraulic Presses Ltd. Pressure actuated by-pass valves. 2,967,485, 1–10–61, Cl. 103—11.
Towler, Frank H. and J. M., to Electraulic Presses Ltd. Relief valve. 2,993,505, 7–25–61, Cl. 137—492.
Towler, James F., to Industrial Development Engineering Associates Inc. Single transistor reflex circuit. 2,995,652, 8–8–61, Cl. 250—20.
Towler, John M.: *See*—
Liao, Hsiang P., and Towle. 2,971,011.
Towler, Frank H. and J. M. 2,993,505.
Towler, John M., deceased, by F. H. Towler, executor, to Electraulic Presses Ltd. Hydraulic actuator. 2,977,932, 4–4–61, Cl. 121—38.
Towles, William B., to United States of America, Navy. Analog-to-digital converters. 2,970,309, 1–31–61, Cl. 340—347.
Towlsaver, Inc.: *See*—
Layton, J. C. 3,010,338.
Layton, J. C. 3,010,669.
Towmotor Corp.: *See*—
Oster, Robert F. 3,008,596.
Shaffer, Walter M. 2,986,295.
Shaffer, Walter M. 3,005,562.
Towne, Edmund B.: *See*—
Hawk, James P., Towne, and Dickey. 2,980,724.
Towne, Edmund B., and J. E. Guillet, to Eastman Kodak Co. Oxazirane catalytic polymerization of olefinic hydrocarbons. 2,983,721, 5–9—61, Cl. 260—94.9.
Towne, Herman E. Boat tops. 3,001,212, 9–26–61, Cl. 9—1.
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Towner, Raymond J., and J. P. Lyle, Jr., to Aluminum Co. of America. Aluminum base alloy powder product. 2,966,735, 1–3–61, Cl. 29—182.
Towner, Raymond J., and J. P. Lyle, Jr., to Aluminum Co. of America. Aluminum base alloy powder product. 2,966,736, 1–3–61, Cl. 29—182.
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Townsend, Don G., to General Motors Corp. Method of making storage batteries. 2,971,043, 2–7–61, Cl. 136—33.
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Trentini, Bernard, and G. Cohen de Lara, to Institut de Recherches de la Siderurgie, and Societe Grenobloise d'Etudes et d'Applications Hydrauliques, Societe Anonyme. Arrangement for the equal distribution of the throughput of a mixture of solids and fluids in a vertical pipe. 2,986,343, 5-30-61, Cl. 239—468.

Trentini, Bernard, and P. Vayssiere, to Institut de Recherches de la Siderurgie Francaise. Metal refining method and apparatus. 2,991,173, 7-4-61, Cl. 75—52.

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Trice, Harley N., to Mine Safety Appliances Co. Helmet shell suspension. 2,994,087, 8-1-61, Cl. 2—3.

Tri-Chem, Inc.: *See*—
Reimann, Joseph S. 2,985,906.

Trick, Kuno: *See*—
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Trico Products Corp.: *See*—
Bartoo, George O. 2,976,555.
Deibel, Raymond A., and Riester. 2,986,761.
Deibel, Raymond A., and Riester. 3,000,032.
Deibel, Raymond A., Roberts, and Riester. 3,002,581.
Graczyk, Bronislaus S., and Riester. 2,990,530.
Horton, Erwin C. 2,973,542.
Oishei, John R. 2,973,714.
Oishei, John R. 3,003,171.
Oishei, John R., and Bitzer. 2,988,890.
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Lenz, Emory W. 3,009,186.
Riester, William C. 2,967,514.
Riester, William C. 2,969,776.
Riester, William C., and Bitzer. 3,005,445.
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Riester, William C., and Page. 3,012,266.
Scinta, Anthony C. 2,975,457.
Smithers, Phillip G. K. 2,994,900.
Vickerson, George E. 2,996,746.

Triebel, Kenneth B., to Giant Industries. Pump for plastic concrete. 2,998,781, 9-5-61, Cl. 103—49.

Triechman, Joseph H. Collapsible boat anchor. 2,982,244, 5-2-61, Cl. 114—208.

Trief, Leon: *See*—
Trief, Marcel and L. 2,994,255.

Trief, Marcel and L. Safety barrier for roads. 2,994,255, 8-1-61, Cl. 94—31.

Trieschmann, Hans-Georg: *See*—
Wisseroth, Karl, Kastning, and Trieschmann. 3,001,977.

Triest Mfg. Works, Inc.: *See*—
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Triffleman, Bernard H., to Curtiss-Wright Corp. Method of manufacturing homogeneous carbides. 3,013,875, 12-19-61, Cl. 75—.5.

Trifunovic, Alexander L.: *See*—
Russo, Carl J., Trifunovic, and Sinski. 2,997,747.
Russo, Carl J., Trifunovic, and Sinski. 3,000,059.

Trigg, Clifton T., to United States of America, Army. Le Clanche type dry cells of high storageability. 3,000,997, 9-19-61, Cl. 136—107.

Trigg, Warren M.: *See*—
Dunn, Lewis H., and Trigg. 2,993,980.

Trilling, Theodore R., to United States of America, Navy. Trailing antenna connector. 2,986,733, 5-30-61, Cl. 343—707.

Trim Master Corp.: *See*—
Bleicher, William. 2,989,018.

Triman, Eugene L., to North American Aviation, Inc. Etch rate compensated process timer. 2,979,843, 4-18-61, Cl. 41—9.

Trimble, John O., to The Budd Co. Float for covering storage basins. 2,974,822, 3-14-61, Cl. 220—26.

Trimble, John O., to The Budd Co. Gib, particularly for forming dies. 2,976,086, 3-21-61, Cl. 308—3.

Trimble, Philip K., to General Motors Corp. Balancing apparatus. 2,985,833, 5-23-61, Cl. 328—24.

Trimble, Philip K., to General Motors Corp. Unbalance compensator. 3,001,405, 9-26-61, Cl. 73—464.

Trimble, Richard H., to Northrop Corp. Tracking telescope with dual field optical system. 2,966,823, 1-3-61, Cl. 88—1.

Trimborn, Hans, to Schmidt & Clemens. Transport roller for industrial furnaces. 2,986,386, 5–30–61, Cl. 263—6.
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Reinhart, John B., Ward, and Fuson. 2,994,136.
Trimmer, Howard D., to North American Aviation, Inc. Variable phase oscillator. 3,008,094, 11–7–61, Cl. 331—136.
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Gohs, Howard C., and Brooks. 2,980,784.
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Guernsey, John F. 2,987,723.
Koenig, Herbert G. 2,997,683.
Mathes, Paul G. 3,002,211.
Triodetic Structures: *See*—
Fentiman, Arthur E. 2,976,968.
Triolo, Louis. Envelope lining machine. 2,986,079, 5–30–61. Cl. 93—61.
Trion, Inc.: *See*—
Landgraf, George F. 2,994,618.
Triplett, Doris W.: *See*—
Jones, Melvin L. 2,977,058.
Triplett Electrical Instrument Co., The: *See*—
Basinger, Eugene M. 3,005,952.
Triplett, Ray L. 2,972,717.
Triplett, Ray L., to The Triplett Electrical Instrument Co. Ring type pole pieces and method of making. 2,972,717, 2–21–61, Cl. 324—151.
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Jones, Melvin L. 2,977,033.
Tripp, Guy T. Flanged wheels. 2,979,359, 4–11–61, Cl. 295—8.5.
Tripp, Harlan P.: *See*—
Oliver, Evan M., Tripp, Fussell, and Michael. 2,977,241.
Tripp, Robert W., to Inductosyn Corp. Digital to analog converter of angular values. 2,967,017, 1–3–61, Cl. 235—154.
Tripp, Robert W., to Inductosyn Corp. Two or three dimensional digital machine tool control. 3,007,096, 10–31–61, Cl. 318—162.
Trippe, Graham, to Trippe Mfg. Co. Bird repellent light. 3,013,145, 12–12–61, Cl. 240—49.
Trippe Mfg. Co.: *See*—
Trippe, Graham. 3,013,145.
Trippe, Walter, and W. Breil, to Fritz Bremshey and Karl Heinz, trading as the firm: Bremshey & Co. Umbrellas. 2,977,964, 4–4–61, Cl. 135—20.
Trippel, Karl, to Gesellschaft der Ludw. von Roll'schen Eisenwerke A.G. Servo system. 2,985,144, 5–23–61, Cl. 121—41.
Trippet, William A. Batting practice apparatus. 2,985,452, 5–23–61, Cl. 273—26.
Tripplehorn, James C. Ambulatory paraffin scraper. 2,969,115, 1–24–61, Cl. 166—176.
Tripplehorn, James C. Paraffin scraper combination. 2,997,106, 8–22–61, Cl. 166—176.
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Clement, Rene, and Tristan. 2,992,929.
Tristram, Edward W.: *See*—
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Chemerda, John M., Tristram, Hinkley, and Brocke. 2,980,713.
Triteline, Charles F., to Western Electric Co., Inc. Means for locking a rotatable dial. 2,966,812, 1–3–61, Cl. 74—816.
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Triumph Mfg. Co.: *See*—
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Tri-Wall Containers, Inc.: *See*—
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Waldorf, Edmund H. 2,969,170.
Troche, Herman J., to J. H. Holan Corp. Control for mobile aerial tower. 2,977,769, 4–4–61, Cl. 60—97.
Troche, Herman J., to Holan Corp. Vehicle ladder apparatus. 2,981,362, 4–25–61, Cl. 182—46.
Troche, Herman J., and G. H. Eckels, to Holan Corp. Derrick. 2,980,263, 4–18–61, Cl. 212—8.
Troche, Herman J., and G. H. Eckels, to Holan Corp. Mobile aerial tower. 2,996,140, 8–15–61, Cl. 182—2.
Troeger, Hans W., to General Aniline & Film Corp. Self-setting shutter with flash synchronization. 2,986,983, 6–6–61, Cl. 95—59.
Troeger, Henry: *See*—
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Troeleman, Adriaan J.: *See*—
Swerdloff, Jack, Larsen, and Troeleman. 2,968,857.
Troell, Roy E., to International Telephone and Telegraph Corp. Magnetic switching circuit. 2,987,626, 6–6–61, Cl. 307—88.
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Van der Willigen, Paul C., and Troelstra. 2,983,330.
Troelstra, Sjerp A., and J. A. W. van Laar, to North American Philips Co., Inc. Method of preparing a magnetic sound carrier. 3,003,965, 10–10–61, Cl. 252—62.5.
Troelstra, Sjerp A., and P. Winkel, to North American Philips Co., Inc. Electrolytic capacitor. 3,015,047, 12–26–61, Cl. 317—230.
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Trofimow, Alexel, P. K. Isaacs, and D. Goodman. Vinylidene chloride, vinyl chloride higher alkyl acrylate terpolymers. 3,006,902, 10–31–61, Cl. 260—80.5.
Trogdon, George P. Animal restraining gate. 2,997,982, 8–29–61, Cl. 119—98.
Trogman, William. Folding boxes and handles therefor. 2,967,011, 1–3–61, Cl. 229—52.
Trojahn, Charles J. Aircraft rotor driving means. 2,969,937, 1–31–61, Cl. 244—17.19.
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Wyler, Joseph A. 3,000,901.
Trolander, Hardy W., to Yellow Springs Instrument Co. Thermistor standardizing. 2,970,411, 2–7–61, Cl. 51—165.
Trolin, Georg T., to Allmanna Svenska Elektriska Aktiebolaget. Isolating switch of the pantograph type. 2,988,611, 6–13–61, Cl. 200—48.
Troll, William A., to Emsig Mfg. Co. Ring or like feeder for sewing machines. 2,997,203, 8–22–61, Cl. 221—180.
Troll, William A., to Emsig Mfg. Co. Button classifier and feeder therefor. 3,008,607, 11–14–61, Cl. 221—167.
Troller, Robert J. Drum handling device. 3,009,592, 11–21–61, Cl. 214—653.
Trombly, Harvey H., and R. H. Harper, to Swift & Co. System for the formation of an aqueous gas solution. 2,976,120, 3–21–61, Cl. 23—157.
Trombly, Ray G., to Great Western Toy Co. Trick rope device. 2,968,117, 1–17–61, Cl. 46—1.
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Tropeano, Philip L.: *See*—
Tropeano, Joseph C. and P. L. 2,989,247.
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Trorey, George A. W.: *See*—
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Trossman, Marvin. Folding bed. 2,985,893, 5–30–61, Cl. 5—13.
Trost, Conrad M. Blender. 3,003,751, 10–10–61, Cl. 259—4.
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Troth, Robert G. Hydraulic fork. 3,010,590, 11–28–61, Cl. 214—147.
Trotman, Herbert H., L. W. Child, and L. G. Carmick, said Child and said Carmick assors. to said Trotman. Forced air under body ventilating device. 2,992,604, 7–18–61, Cl. 98—2.
Trotman, Herbert H., L. W. Child, and L. G. Carmick, said Child and said Carmick assors. to said Trotman. Appliance for forcing air circulation under supported bodies. 2,992,605, 7–18–61, Cl. 98—2.
Trott, Arthur R. Tree jack. 3,014,696, 12–26–61, Cl. 254—93.
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Trotter, Percy W., to Ethyl Corp. Suspension process for production of polyvinyl chloride. 2,985,638, 5–23–61, Cl. 260—92.8.
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Trottier, Jean E., to Societe a responsabilite limitee dite: Societe Gram-Electric. System for protecting electrical equipment against short circuits. 3,001,083, 9–19–61, Cl. 307—57.
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Troup, Woodrow W. and E. M. Container opening and resealing device. 2,994,469, 8–1–61, Cl. 229—51.
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Troutman, Clarence A. Knockdown cabinet structure. 2,999,730, 9–12–61, Cl. 312—257.
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Trowbridge, David R., N. Moss, and M. J. Broad, to The Plessey Co. Ltd. Control system for turbine driven positive displacement pumps. 2,997,846, 8–29–61, Cl. 60—39.28.
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Troy, Joseph E. Yarn dye and wind spindle. 2,985,004, 5–23–61, Cl. 68—200.
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Trubinski, Edward J. Compartmented dump truck. Re. 24,959, 3–28–61, Cl. 214—518.
Truchan, Anthony, Jr., and J. B. Davidson, to Cowles Chemical Co. Process for making nicotinamide. 2,993,051, 7–18–61, Cl. 260—295.5.
Truche, Louis A. Bowling alley backstop. 2,992,826, 7–18–61, Cl. 273—53.
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True, Martin E., to Jersey Production Research Co. Apparatus for use in wells. 2,998,068, 8–29–61, Cl. 166—55.
True, Martin E., and W. M. O'Reilly, to Jersey Production Research Co. Volumetric measurement of fluids. 3,014,362, 12–26–61, Cl. 73—53.
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Holahan, Joseph M., Jr. 2,977,065.
Holahan, Joseph M., Jr. 2,985,402.
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Logan, John W., Jr. 2,977,064.
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Trumbo, Leroy C. Material handling and cooling conveyor. 2,981,269, 4–25–61, Cl. 134—153.
Trumbull, Alfred L., and H. M. Halverson. Overhang flush trimmer. 2,982,320, 5–2–61, Cl. 143—43.
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Trump, John G., to High Voltage Engineering Corp. Method of and apparatus for irradiating matter with high energy electrons. 3,013,154, 12–12–61, Cl. 250—49.5.
Trümper, Konrad, to Rheinstahl Siegener Eisenbahnbedarf Aktiengesellschaft. Buffer. 2,984,479, 5–16–61, Cl. 267—64.
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Trussell, Alec, to International Computers and Tabulators Ltd. Electronic square root device. 3,001,709, 9–26–61, Cl. 235—158.
Trussell, Andrew B., to North American Aviation, Inc. Encapsulated electrical components and method of assembly. 3,009,985, 11–21–61, Cl. 174—52.
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Tsai, Chris J. Dispensing device for literature and the like. 2,996,219, 8–15–61, Cl. 221—259.
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Tsien, Vee C., and C. H. Bommerscheim, to Pneumo Dynamics Corp. Metering valve and method of making same. 2,985,566, 5–23–61, Cl. 204—35.
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Tsuda, Kyosuke, T. Asai, H. Iizuka, T. Tanaka, M. Nakamura, H. Okazaki, M. Shirasaka, and A. Naito, to Sankyo Kabushiki Kaisha. Process for the preparation of prednisolone. 2,993,839, 7–25–61, Cl. 195—51.
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Tsuno, Hardy I. Automatic film developing mechanism. 2,975,695, 3–21–61, Cl. 95—89.

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Tsutsui, Minoru: *See*—
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Tsutsumi, Kentaro, to United States of America, Navy. Brush assembly units. 2,986,666, 5–30–61, Cl. 310—247.

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Tubbs, Elton H. Nut gathering and bagging machine. 2,978,859, 4–11–61, Cl. 56—328.

Tubbs, Elton H. Machine for harvesting berries. 2,993,323, 7–25–61, Cl. 56—330.

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Tube Turns Plastics, Inc.: *See*—
Hendry, James W. 2,969,563.
Hendry, James W. 2,990,379.

Tubi Bonna S.p.A.: *See*—
Simonini, Pietro. 2,992,839.

Tubiello, Giuseppe: *See*—
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Tubinis, Matthew P., to General Dynamics Corp. Multiplex communication system. 2,986,602, 5–30–61, Cl. 179—15.

Tuboscope Co.: *See*—
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Tubrizol Corp., The: *See*—
Higgins, William A., and Wurstner. 2,987,410.

Tubular Inspection Co., Inc.: *See*—
Cochran, Kenneth W. 2,980,850.

Tubular Structure Corp. of America: *See*—
May, Marvin M. 2,971,786.
Selby, Max M. 3,004,784.

Tucci, Anthony. Soap dispenser. 2,980,297, 4–18–61, Cl. 222—158.

Tucci, Frank J. Tool stand. 2,972,420, 2–21–61, Cl. 211—95.

Tuchel, Ulrich. Electrical socket for printed circuit cards. 2,999,997, 9–12–61, Cl. 339—17.

Tuck, Harvey R., to General Motors Corp. Refrigerating apparatus. 2,991,628, 7–11–61, Cl. 62—3.

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Boyer, Keith, Hammel, Longmire, Nagle, Ribe, and Tuck. 3,005,767.
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Quinn, Warren E., Elmore, Little, Boyer, and Tuck. 3,006,835.

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Tuck, Robert M., to General Motors Corp. Pump control. 3,000,319, 9–19–61, Cl. 103—40.

Tuck, Robert M., and M. E. Fisher, to General Motors Corp. Transmission. 2,978,928, 4–11–61, Cl. 74—645.

Tuck, Robert M., and J. J. Mooney, Jr., to General Motors Corp. Wobble plate pump. 2,990,781, 7–4–61, Cl. 103—37.

Tuck, Robert M., and M. E. Fisher, to General Motors Corp. Transmission. 2,987,940, 6–13–61, Cl. 74—677.

Tucker, Arnold W.: *See*—
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Tucker, Edwin W., and R. D. Richards, to Muirhead & Co. Ltd. Electrolytic recording medium. 2,995,501, 8–8–61, Cl. 204—2.

Tucker, Edwin W., and R. D. Richards, to Muirhead & Co., Ltd. Surface blackening process for steels. 3,005,729, 10–24–61, Cl. 117—127.

Tucker, Emmitt M.: *See*—
Tucker, Joseph M. and E. M. 2,984,522.
Tucker, Joseph M. and E. M. 2,984,523.

Tucker, Emmitt M., Sr., to Tucker & Sons. Hydraulic connecting unit for punch-press rams. 3,005,404, 10–24–61, Cl. 100—257.

Tucker, Gardiner L., to International Business Machines Corp. Semiconductor device fabrication. 2,981,645, 4–25–61, Cl. 148—1.5.

Tucker, George G., Jr., to American Pulley Co. One piece molded spool. 2,990,133, 6–27–61, Cl. 242—118.7.

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Tucker, John L., to H. D. Justi & Son, Inc. Method of molding composite polymerized articles. 3,012,287, 12–12–61, Cl. 18—55.1.

Tucker, John T., and J. O. Eubanks, to J. W. Mecom. Pump packing. 3,011,808, 12–5–61, Cl. 286—12.

Tucker, Joseph M. and E. M., to Tucker and Sons (Inc.). Endless track for vehicles. 2,984,522, 5–16–61, Cl. 305—11.

Tucker, Joseph M. and E. M., to Tucker and Sons (Inc.). Endless track for vehicles. 2,984,523, 5–16–61, Cl. 305—17.

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Tucker, Merilyn A., and O. C. Slotterbeck, to Esso Research and Engineering Co. Curing air-blown oils with blocked isocyanates. 2,968,648, 1–17–61, Cl. 260—77.5.

Tucker, Merilyn A., and O. C. Slotterbeck, to Esso Research and Engineering Co. Curing oxidized hydrocarbon polymer films. 2,983,698, 5–9–61, Cl. 260—39.

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Tucker, Morton. Vent connection for awning type windows. 2,990,039, 6–27–61, Cl. 189—67.

Tucker, Pearl L. Retracting stretch-O-veyor. 2,988,190, 6–13–61, Cl. 193—35.

Tucker, Philip C. Flexible abrasive bands. 3,005,295, 10–24–61, Cl. 51—188.

Tucker, Ray, to Robert G. Evans Co. Concrete sawing machine having stabilizing wheels. 2,973,950, 3–7–61, Cl. 262—20.

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Tucker, Joseph M. and E. M. 2,984,523.

Tucker, Stanley, to Socony Mobil Oil Co., Inc. Process for removing nitrogen compounds from hydrocarbon oil. 3,004,913, 10–17–61, Cl. 208—254.

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Tuczek, Franz E. Pneumatic spring structures. 2,974,946, 3–14–61, Cl. 267—64.

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Tudbury, Chester A., to The Ohio Crankshaft Co. Rotating transformer for electric resistance seam welding of tubing and the like. 2,993,109, 7–18–61, Cl. 219—63.

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Tull, Robert H., to Westinghouse Electric Corp. Food waste disposer. 2,979,274, 4–11–61, Cl. 241—32.5.

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Tullos, Frank N., and A. B. Cunningham, to Jersey Production Research Co. Integration of an electrical signal over a time interval of fixed duration. 3,003,696, 10–10–61, Cl. 235—181.

Tully, Paul R., and E. D. Scalera, to General Electric Co. Color striping of polytetrafluoroethylene resin. 2,990,582, 7–4–61, Cl. 18—59.

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Tulp, Theodorus J., to North American Philips Co., Inc. Transistor memory system. 3,001,089, 9–19–61, Cl. 307—88.5.

Tulp, Theodorus J., to North American Philips Co., Inc. Transistor memory device. 3,001,090, 9–19–61, Cl. 307—88.5.

Tults, Jurl, and P. H. Werenfels, to Radio Corp. of America. Television receiver fine tuning indication system. 3,003,-029, 10–3–61, Cl. 178—7.5.

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Van Overbeek, Adrianus J. W. M., Stieltjes, Jochems, Ensink, Verhagen, and Tummers. 3,008,091.

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Tung, Ching C., to Monsanto Chemical Co. Organic fibers impregnated with dinitrosoresorcinol. 2,998,338, 8–29–61, Cl. 154—52.

Tung, Ching C., and J. J. D'Amico, to Monsanto Chemical Co. Process for heating butyl rubber with metal salts of benzoquinone imine oximes and vulcanized product thereof. 2,975,153, 3–14–61, Cl. 260—41.5.

Tung, Ching C., and J. J. D'Amico, to Monsanto Chemical Co. *p*-nitrosoanilino benzothiazoles. 2,976,292, 3–21–61, Cl. 260—305.

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Tunnicliffe, Philip R., E. Siddall, M. D. Berry, and S. J. Whittaker, to Atomic Energy of Canada Ltd. Control of atomic power reactors. 3,001,923, 9–26–61, Cl. 204—193.2.

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Tupone, Albert. Watch with movable eyes. 2,988,870, 6–20–61, Cl. 58—127.

Tupper, Earl S., to Rexall Drug and Chemical Co. Severable sealing means for reusable packages. 2,998,158, 8–29–61, Cl. 220—54.

Tupper, June C. Method and package for protecting food from mold and oxidation. 2,987,403, 6–6–61, Cl. 99—178.

Tupper, Myron D., to General Electric Co. Vacuum cleaner with improved fan arrangement. 2,982,986, 5–9–61, Cl. 15—327.

Tupper, Myron D., to General Electric Co. Vacuum cleaner with improved fan arrangement. 2,983,432, 5–9–61, Cl. 230—40.

Tupper, Myron D., to General Electric Co. Contact terminal and lamination securing arrangement for electric devices and method of assembling same. 3,014,140, 12–19–61, Cl. 310—71.

Turak, Anthony. Dispensing valve. 2,975,802, 3–21–61, Cl. 137—599.

Turak, Anthony. Plural dispensing valve. 2,979,079, 4–11–61, Cl. 137—599.

Turak, Anthony. Plural dispensing valve. 2,980,142, 4–18–61, Cl. 137—637.3.

Turak, Anthony. Dispensing valve with diffuser. 2,989,242, 6–20–61, Cl. 239—113.

Turak, Anthony. Carbonated liquid valve. 2,989,243, 6–20–61, Cl. 239—113.

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Turk, Stanley D., and B. D. Simpson, to Phillips Petroleum Co. Dehydrogenation of alkyl pyridines including depolymerization of polymers. 2,996,509, 8–15–61, Cl. 260—290.

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Turley, Hobart M. Fluid passage guard means. 3,002,649, 10–3–61, Cl. 220—86.

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Turner, Ilse F. and R. E. Safety cap for safety-pins. 3,002,243, 10–3–61, Cl. 24—156.
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Hignett, Harold W. G., Turner and Horne. 2,972,806.
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Turner, Philip G., and G. R. Stuart, to The International Nickel Co., Inc. Method of making hollow turbine or compressor blades. 2,972,807, 2–28–61, Cl. 29—156.8.
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Turner, Stephen H., Sr. Mass transportation systems. 2,981,202, 4–25–61, Cl. 104—25.
Turner, Wesley, to Rid-Ring Chemical Co. Cleansing applicator for liquids. 2,976,560, 3–28–61, Cl. 15—569.
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Turpin, Charles H., to The Pillsbury Co. Compartmented carton. 2,983,421, 5–9–61, Cl. 229—17.
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Kessler, Jack J. 2,978,980.
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Uchida, Saburo, to Fukuin Denka Kabushiki Kaisha (known as Fukuin Electric Works, Ltd.). Omni-directional electro-acoustic converter of electro-magnetic type. 2,976,373, 3–21–61, Cl. 179—115.5.
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Uemura, Koichi. Automatic cleaning device for tractor shoes. 2,982,584, 5–2–61, Cl. 305—12.
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Ulanet, Herman. Surface-sensing hermetically sealed thermostats. 2,991,341, 7–4–61, Cl. 200—138.
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Ulfstedt, Leo T., E. Wijard, A. G. Wastesson, and K. A. Jorgensen, to Casius Corp. Ltd. Method for accelerating the setting of hydraulic binders. 2,987,407, 6–6–61, Cl. 106—97.
Ulinski, Bronislaus I., to The Yale and Towne Mfg. Co. Frame construction for an industrial truck. 2,969,991, 1–31–61, Cl. 280—150.
Ulinski, Bronislaus I., to the Yale & Towne Mfg. Co. Swinging and extending forks. 2,975,923, 3–21–61, Cl. 214—730.
Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. Lifting mechanism for industrial truck. 2,980,271, 4–18–61, Cl. 214—140.
Ulinski, Bronislaus I., to The Yale & Towne Mfg. Co. Lifting mechanism for lift truck. 2,991,847, 7–11–61, Cl. 187—9.
Ulinski, Bronislaus I., to The Yale and Towne Mfg. Co. Method and apparatus for handling an integrated load. 2,996,205, 8–15–61, Cl. 214—653.
Ulinski, Bronislaus I., to The Yale and Towne Mfg. Co. Vertically moving axle for industrial truck. 2,998,980, 9–5–61, Cl. 280—112.
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Ullisperger, Edmund. Device for threading fixed needles, particularly sewing machine needles. 3,000,545, 9–19–61, Cl. 223—99.
Ullman Devices Corp.: *See*—
Jacobus, Louis. 3,003,397.
Ullman, John E., to Huntingdon Industries Inc. Apparatus and method of making a lug box. 3,004,479, 10–17–61, Cl. 93—55.
Ullman, Myron E., Jr., to American Radiator & Standard Sanitary Corp. Counter top construction. 2,970,872, 2–7–61, Cl. 311—107.
Ullman, Roy: *See*—
Raub, William A., and Ullman. 3,000,335.
Ullmann, Wilhelm: *See*—
Scheller, Hans, and Ullmann. 3,006,171.
Ullrich, Osmar A., Jr.: *See*—
Van Dorn, Warren G., and Ullrich. 3,008,825.
Ulm, Paul D., and H. H. George, to United States of America, Navy. Roll stabilization system for guided missiles utilizing simplified microwave modulating attenuator. 2,994,-494, 8–1–61, Cl. 244—14.
Ulmann, Charles, to "Etablissements Georges Klein & Cie." Device for operating and locking movable panels. 2,989,304, 6–20–61, Cl. 268—125.
Ulmann, Charles, to Etablissements Georges Klein & Cie. Systems for controlling sliding glass panes. 3,001,247, 9–26–61, Cl. 20—52.3.
Ulmer, Harry E.: *See*—
Cross, John W., Tucker, and Ulmer. 2,988,426.
Ulmer, Richard C., to Combustion Engineering, Inc. Method of heating and generating steam. 2,997,031, 8–22–61, Cl. 122—4.
Ulmet, Thomas D.: *See*—
Weder, Eldon C., and Ulmet. 2,998,174.
Ulrich, Charles E.: *See*—
Darland, William G., Jr., Bennett, Bell, Ulrich, and Fox. 2,985,702.
Ulrich, Edward A., to Process Filters, Inc. Filter. 2,975,903, 3–21–61, Cl. 210—236.
Ulrich, Edward A., to Process Filters, Inc. Filter assembly and automatic shut-off valve therefor. 3,003,642, 10–10–61, Cl. 210—347.
Ulrich, Edward A., to Process Filters, Inc. Filter and automatic leaf shut-off therefor. 3,004,669, 10–17–61, Cl. 210—347.
Ulrich, Erwin W., to Minnesota Mining and Mfg. Co. Solvent-resistant pressure-sensitive polyacrylic adhesive tape and method of preparing same. 2,973,286, 2–28–61, Cl. 117—122.
Ulrich, Erwin W., to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive sheet material. 3,008,850, 11–14–61, Cl. 117—122.
Ulrich, Glenn A.: *See*—
Barton, David W., and Ulrich. 2,978,057.
Ulrich, Harold O. Xerographic development electrode apparatus. 3,011,474, 12–5–61, Cl. 118—637.
Ulrich, Robert E.: *See*—
Touger, Martin L., and Ulrich. 2,989,598.
Ulrich, Robert E., and G. A. Taylor, to Radio Corp. of America. Ear pads. 2,990,553, 7–4–61, Cl. 2—209.

Ulrich, Thomas F.: *See*—
Webber, Melvyn E., Skarzynski, and Ulrich. 2,987,584.
Ulsh, George. Earth surfacing machine. 2,966,948, 1–3–61, Cl. 172—72.
Ulshafer, Paul R., to Ciba Pharmaceutical Products, Inc. Active substance and process for manufacturing same. Alkyl deserpidates. 2,982,770, 5–2–61, Cl. 260—287.
2,982,769, 5–2–61, Cl. 260—287.
Ultee, Arnoldus J., to E. I. du Pont de Nemours and Co. Process for stabilizing solutions of cellulose derivatives. 2,986,558, 5–30–61, Cl. 260—212.
Ultradyne, Inc.: *See*—
Church, Peter K., and Courter. 2,986,715.
Ultra-Tach Co.: *See*—
Spencer, William H., and Brown. 2,999,277.
Spencer, William H., and Brown. 2,999,278.
Ultsch, George: *See*—
Kern, Rudolf, Scheurer, and Ultsch. 3,002,840.
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Umanoff, Martin: *See*—
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Umanoff, Martin, to R. A. MacPlum Industries, Inc. Shopping cart with collapsible seat. 2,997,311, 8–22–61, Cl. 280—33.99.
Umanoff, Martin, to R. A. MacPlum Industries, Inc. Box with pouring spout. 2,989,224, 6–20–61, Cl. 229—17.
Umanos, Romeo O.: *See*—
Dully, Floyd I., and Umanos. 3,004,788.
Umbarger, James A.: *See*—
Lanhan, James S., and Umbarger. 3,002,377.
Umbarger, James A. Timing light. 3,004,191, 10–10–61, Cl. 315—219.
Umberger, Jacob Q. and R. E. Wayrynen, to E. I. du Pont de Nemours and Co. Preparation of a zinc chalcogenide phosphor of improved thermal stability. 2,980,626, 4–18–61, Cl. 252—301.6.
Umbriaco, Frank. Garment bagger. 2,971,310, 2–14–61, Cl. 53—256.
Umbricht, Emil, to Ajem Laboratories, Inc. Apparatus for handling overspray paint. 2,981,525, 4–25–61, Cl. 261—3.
Umbricht, Emil, to Ajem Laboratories, Inc. Gas washer and liquid injector type sludge remover. 3,011,769, 12–5–61, Cl. 261—3.
Umbricht, Emil, and D. Evans, to Ajem Laboratories. Washing apparatus. 2,972,995, 2–28–61, Cl. 134—72.
Umbricht, Emil, and D. Evans, to Ajem Laboratories. Power washing apparatus. 2,979,062, 4–11–61, Cl. 134—66.
Umeda, Misao, to Toyo-Kogyo Co. Ltd. Vibrating internal grinding machine. 2,978,844, 4–11–61, Cl. 51—34.
Umile, Louis J., and W. J. Fitzgerald, to J.B.T. Instruments, Inc. Vibrating reed comb assembly. 3,007,111, 10–31–61, Cl. 324—80.
Umland, Carl W., II, A. M. Gessler, and W. C. Smith, to Esso Research and Engineering Co. Rubber compounded and heat treated with coated filler. 3,003,990, 10–10–61, Cl. 260—38.
Umlandt, Harold W.: *See*—
Silver, Bernard R., and Umlandt. 2,986,790.
Umphrey, Donald M., and D. C. Mills, to Federal Pacific Electric Co. Circuit breaker. 2,985,739, 5–23–61, Cl. 200—148.
Umrath, Ernst, to Daystrom, Inc. Electro-magnetic vibrator. Re. 24,938, 2–21–61, Cl. 200—90.
Umrath, Ernst, to Daystrom, Inc. Chart drive mechanism. 3,009,665, 11–21–61, Cl. 242—57.1.
Underberg, Robert L., and A. F. Waldenburg, to Realist, Inc. Collapsible cardboard slide viewer. 2,986,830, 6–6–61, Cl. 40—63.
Underhill, Walter T.: *See*—
Heightman, Anthony N., and Underhill. 3,013,197.
Underwood, Arthur F., to General Motors Corp. Gas turbine automobile. 2,994,394, 8–1–61, Cl. 180—66.
Underwood Corp.: *See*—
Anderson, Walter A. 2,969,176.
Findlay, Hugh T. 2,970,926.
Holden, Martin P. 2,999,578.
Intagliata, Salvatore J., Hildebrandt, Yerks, Di Galbo, and Hall. 2,980,225.
Pitman, Richard W. 3,000,561.
Sharpe, Arthur H., Wise, and Schulz. 2,996,978.
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Underwood, Orville J., to Minneapolis-Honeywell Regulator Co. Dive bombing computers. 3,011,702, 12–5–61, Cl. 235—61.5.
Underwood, Roland C., Sr. Animal trap. 2,975,542, 3–21–61, Cl. 43—76.
Underwood, William M.: *See*—
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Unetic, Andrew J., to The American Hardware Corp. Combined locking slide and spindle retainer. 2,998,273, 8–29–61, Cl. 292—169.
Unette Corp.: *See*—
Brown, Frank E. 3,001,673.
Unger, Erich, to Metrawatt Aktiengesellschaft. Instrument movement controlled high frequency inductor. 2,976,495, 3–21–61, Cl. 331—181.
Unger, Erich, to Metrawatt Aktiengesellschaft. Apparatus for scanning pointer positions. 2,979,670, 4–11–61, Cl. 331—64.
Unger, Eugene: *See*—
Bejeuhr, Walter. 2,985,397.
Unger, Gunnar F. Plumb bob device. 3,011,263, 12–5–61, Cl. 33—217.
Unger, Hilbert J., to United States of America, Navy. Shock resistant electron tube mounting. 3,002,122, 9–26–61, Cl. 313—312.
Unger, Kenneth N. Lift device attachment for motorboats. 2,967,503, 1–10–61, Cl. 114—66.5.
Unger, Lloyd G., and D. W. Howland, to Corn Products Co. Protein modification. 3,010,953, 11–28–61, Cl. 260—123.
Unger, Titus J. Minnow bucket. 3,009,281, 11–21–61, Cl. 43—56.
Ungerer, Fritz. Plant for sorting strips of material differing from one or more reference characteristics. 2,970,691, 2–7–61, Cl. 209—82.
Ungerer, Fritz. Sheet metal working machine with straightening rollers. 2,999,530, 9–12–61, Cl. 153—106.
Ungerer, Fritz. Change-wheel-gearing for the actuation of flying shears. 3,009,365, 11–21–61, Cl. 74—375.
Unicorn Engineering Corp.: *See*—
Baumbach, Harlan L., Little, and Scobey. 2,971,448.
Unilectric, Inc.: *See*—
Vallee, Thomas A. 2,976,512.
Vallee, Thomas A. 2,988,725.
Unilever Ltd.: *See*—
Clyde, Lancelot H. R., Hodge, and Longman. 2,973,144.
Hailes, Myles B. 2,979,220.
Logan, David G. 2,979,568.
Uni-Matic, Inc.: *See*—
Kellerman, Raymond J. 3,008,226.
Unimatic Mfg. Inc.: *See*—
Sermon, George T., and Lescelius. 3,003,860.
Union Asbestos & Rubber Co.: *See*—
Broman, Burton J. 2,993,270.
Loomis, Russell M., Kuelmar, and Lundvall. 3,005,419.
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Bradway, Keith E., and Yundt. 2,988,470.
Clifford, Burton K. 2,980,573.
Giebel, Ernest W. 2,968,395.
Hahn, William W., Brodt, and Kilmer. 2,998,911.
Kerker, William C. 2,987,858.
McCurry, Thomas M. 2,975,955.
Sorensen, Thor E., and Lightner. 2,996,276.
Tarmina, Louis. 3,014,633.
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Acomb, Byron H. 2,968,162.
Acomb, Byron H. 2,986,160.
Acomb, Byron H. 3,010,468.
Adams, George M. 2,974,057.
Allenbach, Charles R., and Burbach. 3,002,936.
Alspaugh, Paul L., Helmaster, and McNeill. 2,991,058.
Alton, William J., Deeks, O'Donnell, and Raub. 3,006,435.
Andersen, Carl P., Richardson, and First. 2,980,404.
Anderson, Kenneth H. 3,011,992.
Anderson, Kenneth H., and Hersh. 3,011,991.
Annonio, Raffaele W. 3,008,848.
Bagley, Glen D., and Barbour. 2,995,440.
Baker, Charles R., and Paul. 3,010,286.
Bailey, Donald L. 2,967,876.
Bailey, Donald L. 2,968,643.
Bailey, Donald L. 2,970,150.
Bailey, Donald L. 3,002,987.
Bailey, Donald L., and Black. 2,975,203.
Bailey, Donald L., Pepe and Kanner. 3,007,957.
Bailey, Donald L., and Pike. 2,998,406.
Bailey, Frederick E., Jr., and Hill. 2,987,489.
Barrer, Richard M., and Baynham. 2,972,516.
Barrer, Richard M., and Bultitude. 2,982,612.
Barrer, Richard M., and Sammon. 3,010,785.
Barth, Bruce P. 2,999,283.
Beckman, John H. 2,968,163.
Beckman, John H., and Kemp. 2,970,452.
Benedict, Donald B., and White. 3,006,872.
Binder, William O., and Brown. 2,990,275.
Black, William T. 2,973,383.
Bliss, Lyman A. 2,968,161.
Bolton, Wilbur M. 2,970,064.
Bolton, Wilbur M., and Ruse. 3,004,866.
Brantley, John C. 2,983,741.
Brantley, John C. 2,988,563.
Brantley, John C., and Smist. 3,013,040.
Brogan, Norman B., Hill, and Smith. 2,976,728.
Breck, Donald W. 3,013,984.
Breck, Donald W., and Acara. 2,991,151.
Breck, Donald W., and Acara. 2,995,423.
Breck, Donald W., and Acara. 3,011,869.
Breck, Donald W., Castor, and Milton. 3,013,990.
Breck, Donald W., and Milton. 3,013,982.
Breck, Donald W., and Milton. 3,013,983.
Breck, Donald W., and Milton. 3,013,985.
Breining, Elmer R., and Bolton. 2,985,509.
Breining, Elmer R., Bolton, and Deutscher. 2,990,295.
Brotherton, Thomas K., and Lynn. 3,008,978.
Bukata, Stanley W., Castor, and Milton. 3,013,988.
Cahoon, Nelson C., and Oliver. 3,000,804.
Carosella, Michael C. 3,003,936.
Castor, Charles R. 3,006,863.

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Caswell, Earl G. 2,971,607.
Charvat, Fedia R. 2,998,394.
Chow, Sui-Wu, and Whelan. 2,971,944.
Clark, Grady W., and Lefever. 2,970,895.
Clark, Jared W., and Winslow. 2,990,396.
Colwell, Charles E., and Miller. 3,014,896.
Cook, Gerhard A. 2,975,035.
Cook, Gerhard A. 3,006,153.
Cook, Gerhard A. 3,008,902.
Daley, John L. S. 2,976,341.
Daley, John L. S. 2,980,747.
Daley, John L. S. 3,002,041.
Dana, Leo I., and Morton. 2,972,698.
Darland, William G., Jr., Bennett, Bell, Ulrich, and Fox. 2,985,702.
Dess, Howard M. 3,003,847.
Dentscher, Fritz O. 2,972,555.
Didchenko, Rostislav. 3,010,792.
Douglas, Stuart D. 3,008,911.
Drumheller, Carl E., Marth, and Wagener. 3,010,839.
Drummond, Folsom E. 2,970,068.
Drummond, Folsom E. 2,982,016.
Drummond, Folsom E. 2,982,017.
Drummond, Folsom E. 2,982,019.
Dunn, Jesse T. 2,992,270.
Dunn, Jesse T. 3,013,067.
Dunn, Jesse T., and Manning. 2,980,684.
Dunn, Jesse T., and Proops. 2,967,882.
Dunn, Jesse T., and Proops. 2,967,883.
Dunn, Jesse T., and Proops. 2,967,884.
Edstrom, Theodore. 2,967,926.
Elchin, Harry P., and Kasting. 2,995,243.
Elbaum, Jerome K. 2,986,807.
Elbaum, Jerome K., and Culbertson. 3,012,880.
Engle, James D. 2,978,431.
Erasmus, Hendrik De W. 2,993,761.
Estes, Nelson N., and Moore. 2,975,374.
Faulkner, William H. 2,977,224.
Faulkner, William H. 2,996,379.
Faulkner, William H. 3,005,704.
Feild, Theophilus A., Jr., and Davisson. 2,971,245.
Fekete, Frank. 2,978,471.
Fekete, Frank. 2,995,594.
Fekete, Frank. 2,996,530.
Felbeck, George T., Heimaster, and Newlon. 2,978,235.
Fischer, Ernst O., and Hafner. 2,998,300.
Fischer, Ernst O., Hafner, and Stahl. 3,006,940.
Fischer, Ernst O., and Hofmann. 2,971,017.
Fisher, Richard S., Gartland, Mail, and Stieber. 2,992,901.
Fitzpatrick, John T., and Marcus. 3,014,960.
Fitzpatrick, John T., and Tinsley. 2,986,545.
Forgeng, William D., and Gerby. 2,968,530.
Foster, Donald J. 2,985,691.
Foster, Donald J., and Reed. 2,999,794.
Foster, Donald J., and Tobler. 2,987,532.
Foster, Donald J., and Tobler. 2,999,889.
Fowler, George W. 2,980,680.
Fowler, George W. 2,980,682.
Fowler, George W., and Carruthers. 2,977,385.
Freeman, Donald C., Jr. 3,013,989.
Frissell, Warren J., Jr., and Houska. 2,978,440.
Fry, John S. 3,008,914.
Gareis, Paul J., and Mohr. 3,011,912.
Gates, Stephen. 2,994,691.
Gottstine, Joseph G., and Westerland. 2,979,381.
Groth, Fred A. 2,989,827.
Guest, Howard R., and Adams. 2,972,599.
Guest, Howard R., Adams, and Kiff. 2,970,985.
Guest, Howard R., Adams, and Stansbury. 2,996,516.
Guest, Howard R., and Kiff. 3,008,919.
Guest, Howard R., and Kiff. 3,010,941.
Guest, Howard R., and Kiff. 3,010,942.
Guest, Howard R., and Kiff. 3,012,988.
Guest, Howard R., Kiff, and Halstead. 2,972,601.
Guest, Howard R., Kiff, and Halstead. 2,992,207.
Guest, Howard R., Stansbury, and Kiff. 3,008,964.
Hackman, Robert L., and O'Brien. 3,001,057.
Haessly, William J. 3,004,094.
Haettinger, George C., and Poorman. 3,006,157.
Haine, Walter A., and Chinn. 3,008,862.
Halleux, André L. 3,000,984.
Harding, James. 3,014,886.
Heath, Carlos M., and Axelson. 2,975,266.
Heintz, Edward A., and Fischer. 3,003,850.
Henry, Joseph P., Manyik, and Walker. 2,971,983.
Heuninckx, Alphonse M., and Southworth. 2,991,323.
Hill, Clifford W. 2,992,320.
Hill, Fred N., Bailey, and Fitzpatrick. 2,971,988.
Hill, Fred N., Fitzpatrick, and Bailey, Jr. 2,969,402.
Hoaglin, Raymond I., Montagna, and Kubler. 2,982,787.
Homier, Paul A., and Sterman. 3,000,842.
Horn, Christian F. 3,004,955.
Horn, Christian F., Hostettler, and Eldred. 2,969,387.
Horn, Christian F., and Vineyard. 2,970,168.
Hostettler, Fritz, and Eldred. 2,970,167.
Ingberman, Arthur K. 2,992,192.
Ivison, Maynard T. 2,991,229.
Jenkins, Arthur C., Malik, and Pruett. 2,980,494.
Jensen, Walter L., Phillips, and Claussen. 3,005,899.
Jex, Victor B. 2,974,157.
Johnson, Harry V. 2,970,854.
Johnson, Philip C., and Cox. 3,014,970.
Joyce, Blaine R. 2,991,201.
Keutgen, William A., Davall, and Daniels. 2,976,574.
Kilsheimer, John R. 2,971,945.
King, Burnham W., and Brockway. 3,014,816.
Klopp, Edward W., and Darland, Jr. 2,997,518.
Kluiber, Rudolph W. 3,014,939.
Koehler, James O., and Lamprey. 2,978,347.
Koehler, James O., and Lamprey. 2,980,633.
Koehler, James O., and Lamprey. 2,985,604.
Koehler, James O., and Lamprey. 2,985,607.
Koehler, James O., and Lamprey. 2,988,412.
Koopman, Kenneth H. 2,988,627.
Kordesch, Karl. 2,991,325.
Kordesch, Karl. 2,991,412.
Krueger, Ralph W. 2,995,614.
Kuhlmann, August M. 2,996,360.
Lambrech, Joseph A. 3,009,855.
Langer, Theodore W., and Ziemba. 3,005,776.
Lanham, William M. 2,974,158.
Lanham, William M. 3,006,946.
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Leech, Robert E., and Knap. 2,998,455.
Leech, Robert E., and Knap. 3,012,077.
Leech, Robert E., and Rose. 2,996,517.
Lefever, Robert A. 2,984,626.
Leger, Ernest E. 2,993,947.
Lescisin, George A. 2,992,230.
Limbach, Anthony P. 3,004,284.
Lisanke, Robert J. 3,008,922.
Lisanke, Robert J. 3,008,923.
Lisanke, Robert J. 3,008,924.
Litz, Lawrence M. 2,974,013.
Litz, Lawrence M. 2,995,439.
Lobosco, Roscoe R., McElrath, and Helmbrecht. 3,002,085.
Loeb, William E. 2,985,640.
Lowe, Charles S., and Nickerson. 2,989,408.
Lozier, William W., and Null. 3,001,055.
Lynn, John W. 2,971,958.
Lynn, John W. 2,975,187.
Lynn, John W. 3,004,957.
Lynn, John W. 3,008,941.
Lynn, John W. 3,010,925.
Lynn, John W. 3,013,001.
Lynn, John W., and Ash. 3,008,992.
Mackinney, Herbert W., and Meyers. 3,010,919.
Maddock, Bruce H. 2,993,875.
Mandorf, Victor, Jr. 3,003,885.
Mantz, Alonzo L. 3,014,042.
Marcus, Erich, and Fitzpatrick. 3,014,045.
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Marsal, Paul A., Urry, and Tasch. 2,977,401.
Marsden, James G. 2,989,559.
Marsden, James G. 2,989,560.
Martin, Sterling T. 2,982,292.
Martin, Sterling T. 3,008,326.
Matecki, Edward A. 2,983,949.
Matecki, Edward A. 2,984,574.
Matsch, Ladislas C. 3,007,596.
Matsch, Ladislas C. 3,009,600.
Matsch, Ladislas C. 3,009,601.
Matsch, Ladislas C., and Francis. 2,967,152.
Matsch, Ladislas C., Yendall, Lauer, and Koehn. 2,984,079.
Matthews, Virgil E., and Stone. 2,996,521.
Mazzucchelli, Arthur P., and Bugel. 2,967,756.
McClelland, Charles P. 2,980,556.
McCormack, Peter A., Job, and Hoffman. 3,012,591.
McGary, Charles W., Jr., and Patrick. 2,999,827.
McGary, Charles W., Jr., and Patrick. 2,985,616.
McGary, Charles W., Jr., and Patrick. 3,000,848.
McKinley, David L. 2,985,515.
Mercuri, Robert A., Finn, and Nelson. 2,998,302.
Mettler, John D., Jr. 2,980,496.
Meyers, Cal Y. 2,971,987.
Miller, Walter A., and Cook. 2,987,776.
Miller, Walter A., Merriam, and Cook. 2,988,783.
Mills, Edward J., Jr., and Leis. 2,988,572.
Milton, Charles B. 2,987,221.
Milton, Robert M. 2,996,358.
Milton, Robert M. 3,008,803.
Milton, Robert M. 3,012,853.
Milton, Robert M., and Breck. 2,988,503.
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Mixer, Robert Y. 2,975,202.
Molander, Lars E. 2,977,290.
Montagna, Amelio E., Brezinski, and Kubler. 2,995,599.
Montagna, Amelio E., Kubler, and Brezinski. 2,998,446.
Moore, James J., and Estes. 2,975,373.
Morehouse, Edward L. 2,972,598.
Moyer, Wendell W., Jr., Wynstra, and Fry. 2,970,131.
Murphy, William L., and Pochon. 3,005,246.
Newman, Arthur J., and Reinhardt. 3,007,033.
Nissel, Frank R. 2,988,134.
Novak, Leo J. 2,989,421.
O'Connor, George P., Fritz, and Eccles. 2,968,681.
Oliver, John P. 2,967,142.
Oliver, John P. 2,974,098.
Pelton, John F. 2,972,550.
Pepe, Enrico J. 2,968,666.
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Perkins, Warren E., Fails, and Fuller. 3,012,408.
Phillips, Benjamin, and Frostick . 2,999,865.
Phillips, Benjamin, McGary, and Patrick. 2,982,752.
Phillips, Benjamin, and Starcher. 2,967,840.
Phillips, Benjamin, and Starcher. 2,969,336.
Phillips, Benjamin, and Starcher. 2,973,373.
Phillips, Benjamin, and Starcher. 2,977,374.
Phillips, Benjamin, Starcher, and Heywood. 2,999,868.
Phillips, Benjamin, Starcher, and MacPeek. 2,969,377.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,877.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,878.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,879.
Phillips, Benjamin, Tinsley, and Starcher. 3,000,880.
Pierce, Russell F., and Ferguson. 2,995,990.
Poorman, Richard M. 2,991,900.
Poorman, Richard M., Hawley, and Sargent. 3,004,822.
Preutt, Roy L., Wyman, Rink, and Parts. 3,007,954.
Pruett, Roy L. 2,999,075.
Rabo, Jule A., and Powers. 2,985,584.
Ramadanoff, Dimiter. 2,989,490.
Rankin, William W., Townsley, and Feild. 2,970,362.
Raub, Samuel H. S., and Gaylord. Re. 25,061.
Redanz, William H. 2,993,755.
Redfield, David, and Baum. 2,986,527.
Reilly, Thomas A., and McNeill. 2,980,754.
Richter, Elmer W., Shellek, McMillan, and Evans. 3,004,093.
Roberts, John S., and Rose. 2,968,641.
Roberts, Richard L., and Lynn. 2,999,876.
Roe, Douglas M. 3,008,493.
Rogers, Louis J. 2,995,703.
Rosenthal, Louis A. 3,008,791.
Rugg, Frank M., and Potts. 2,970,129.
Ruskin, Simon L. 2,969,352.
Ruskin, Simon L. 2,992,173.
Ruskin, Simon L. 3,001,880.
Samples, Randall H. 2,995,346.
Saunders, Earle R., Franks, and Beiser. 2,999,749.
Sauers, Carol K., and Cotter. 2,980,694.
Sauers, Carol K., and Cotter. 2,980,701.
Sauers, Carol K., and Cotter. 2,995,577.
Sauers, Carol K., and Cotter. 2,998,429.
Schmittberger, Robert A. 2,970,121.
Schroeder, Juel P., and Leonard. 3,008,939.
Schubert, Clement F. 3,008,975.
Schulz, Helmut W., and Voorhees. 2,995,575.
Schwencke, Edmund H., and Smythe. 3,006,869.
Shiner, Edward A., and Brounstein. 2,999,756.
Shiner, Edward A., and Brounstein. 2,999,757.
Siebentritt, Frank H., Gamble, and Imbriani. 2,988,573.
Skinner, Ransom P. 2,998,708.
Smith, Keith L., and Seltzer. 2,982,742.
Snedeker, Robert H. 3,004,296.
Snyder, John A. 2,993,019.
Spracklen, Stanford B., Campbell, and Fellows. 3,005,758.
Stampa, Guido B., and Farnham. 3,008,948.
Stansbury, Harry A., Jr., and Guest. 2,992,233.
Stansbury, Harry A., Jr., and Guest. 2,998,427.
Stansbury, Harry A., Jr., and Manning. 2,995,573.
Starcher, Paul S., and Tinsley. 2,999,866.
Starcher, Paul S., and Tinsley. 2,999,867.
Stark, Louis E. 3,004,872.
Sterman, Samuel. 2,996,479.
Sullivan, Raymond P. 2,993,984.
Sullivan, Raymond P. 3,002,084.
Szymaszek, Jan W. 2,979,401.
Theiling, Louis F., Jr., and Knopf. 2,982,790.
Tinsley, Samuel W. 2,971,980.
Tinsley, Samuel W., and Starcher. 2,985,667.
Tinsley, Samuel W., and Starcher. 2,998,432.
Tinsley, Samuel W., and Starcher. 3,014,048.
Toepper, Marvin W., and Kasting. 3,011,895.
Toulmin, Harry A., Jr. 2,986,012.
Toulmin, Harry A., Jr. 2,986,115.
Toulmin, Harry A., Jr. 2,988,895.
Toulmin, Harry A., Jr. 2,994,297.
Urry, Lewis F. 2,970,180.
Urry, Lewis F. 3,007,994.
Urs, Subbaraju V. 3,007,899.
Vrahiotes, Peter, and Manofsky. 2,972,556.
Walton, Richard K., Sellers, and Colclough. 3,011,987.
Webb, Ralph D. 3,009,864.
Webb, Watt W., Wissler, and Forgeng. 3,011,870.
Welch, Frank J. 2,985,633.
Wenzelberger, Elwood P. 2,977,234.
Wenzelberger, Elwood P. 2,984,992.
Wenzelberger, Elwood P. 3,004,397.
Wienert, Fritz O. 2,985,507.
Wilson, James L. 2,998,305.
Winter, Lester L. 2,972,552.
Wlodek, Stanley T., Geiselman, and Reddy. 2,977,225.
Wyman, John E. 2,993,922.
Wyman, John E. 2,998,301.
Yenni, Donald M., McGill, and Lyle. 2,982,845.
Yenni, Donald M., and Runck. 2,998,632.
Young, Charles H., and Munday. 2,969,401.
Young, Donald M. 2,972,619.
Young, Donald M., and Horn. 2,969,385.
Young, Donald M., and Horn. 2,999,848.
Young, Donald M., and Horn. 2,999,849.
Young, Donald M., and Horn. 2,999,850.
Young, Donald M., and Hostettler. 2,990,379.
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Sterick, Harrison D. 2,993,489.

Union Chimique Belge, S.A.: *See*—
Gancberg, Abraam. 2,982,674.
Leclercq, Rene, and Colle. 2,970,976.
Morren, Henri. 2,981,735.
Morren, Henri. 2,988,551.
Pottiez, Fernand. 2,977,191.

Union Commerce Bank: *See*—
Pyzel, Robert. 3,013,786.

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Brichard, Edgard. 2,991,590.
Brichard, Edgard, Plumat, and Leger. 2,973,089.
Brichard, Edgard, Plumat, Meunier, and Deliere. 2,987,422.
Broman, Arthur, Lambert, Gilard, and Van Herck. 2,972,210.
Verheggen, Albert. 2,978,270.

Union Gypsum Co.: *See*—
Hakes, Leo B. 2,982,532.

Union Industrial Co., Division of The Alliance Machine Co.: *See*—
Shutt, Milo. 3,011,660.

Union Lumber Co.: *See*—
Burton, Robert E. 2,995,434.

Union Malleable Mfg. Co.: *See*—
Kates, Charles. 2,991,802.

Union Mfg. Co.: *See*—
Hartley, James C. 2,973,956.

Union Metal Products, Inc.: *See*—
Isbell, Joe A. 2,985,428.

Union Oil Co. of California: *See*—
Backlund, Peter S. 3,009,953.
Bauer, Robert F., and Stratton. 2,984,308.
Bauer, Robert F., and Stratton. 3,012,610.
Boyd, Thomas F. G., Fischer, and Wheeler. 2,983,677.
Buckmann, John P., Liggett, and Wiseman. 3,011,879.
Cheadle, George D. 3,001,916.
Cook, James F. 2,975,134.
Deering, Roland F. 3,004,898.
Deering, Roland F., Dhondt, Hunt, Kelley, and Welsh. 2,980,592.
Deering, Roland F., and Wilkinson. 2,987,886.
Dorsey, William S. 2,989,442.
Doumani, Thomas F. 3,006,966.
Doumani, Thomas F., and Coe. 2,983,099.
Doumani, Thomas F., and Huffman. 2,992,985.
Finney, John H. V. 3,006,816.
Fleck, Raymond N., and Wight. 2,974,179.
Fleck, Raymond N., and Wight. 2,983,767.
Fleck, Raymond N., and Wight. 2,984,620.
Fleck, Raymond N., and Wight. 2,988,578.
Fleck, Raymond N., and Wight. 2,999,861.
Fleck, Raymond N., and Wight. 3,005,826.
Fleck, Raymond N., and Wight. 3,013,091.
Fleck, Raymond N., Wight, and Wiseman. 2,967,896.
Fleck, Raymond N., Wight, and Wiseman. 3,014,078.
Hansford, Rowland C., and Kelley. 3,008,895.
Howland, Ward W. 2,973,316.
Howland, Ward W. 2,983,676.
Inwood, Texas V. 2,988,501.
Jones, Herbert J. 3,013,860.
Josendal, Virgil A., and Stegemeier. 2,986,639.
Kelley, Arnold E. 2,980,600.
Kenny, Vincent. 2,988,499.
Maly, George P. 2,976,926.
Maly, George P. 2,988,142.
Maly, George P. 2,992,200.
Mattson, Raymond W. 2,986,133.
McKinnis, Art C. 2,998,431.
Nahin, Paul G. 2,968,634.
Potter, Ralph A. 2,975,130.
Potter, Ralph A. 2,980,612.
Richardson, Ryden L. 2,983,691.
Schaeffer, William D. 2,969,392.
Schaeffer, William D., and McKinnis. 2,988,576.
Schaeffer, William D., and Seubold. 2,977,395.
Scott, Carleton B., and Wasley. 3,003,958.
Seubold, Frank H., Jr. 2,983,670.
Stratton, Hal. 2,999,549.
Wilson, Chester E., and Wasley. 3,003,959.
Worth, Harry J. 2,978,410.

Union Pacific Railroad Co.: *See*—
Miller, Donald E., and Frank. 2,973,724.

Union Pump Co.: *See*—
Jack, Daniel A. 3,006,702.

Union Rheinische Braunkohlen Kraftstoff Aktiengesellschaft: *See*—
Runnel, Roman, and Hüttner. 3,008,815.

Union Savings and Trust Co.: *See*—
Heltzel, John N. 2,976,781.

Union Special Machine Co.: *See*—
Covert, John N. 2,977,910.
Hayes Robert A. 2,973,732.
Lukins, Richard H. 2,975,737.
Schweda, Albert M., and Neill. 2,973,730.

Union Special Maschinenfabrik G.m.b.H.: *See*—
Lutz, Friedrich, and Daniel. 2,983,237.
Lutz, Friedrich, and Speck. 3,009,430.

Union Starch and Refining Co., Inc.: *See*—
Bauwin, George R., and Grossi. 2,979,863.

Union Steel Products Co.: *See*—
Bussing, Harold B. 2,994,315.
Reed, Linwood L., and McKim. 2,975,920.

Union Stock Yard and Transit Co. of Chicago, The: *See*—
Hagen, William F. 2,980,537.
Morrison, Willard L. 2,976,099.
Morrison, Willard L. 2,977,938.
Morrison, Willard L. 2,983,108.
Morrison, Willard L. 2,994,572.

Union Tank Car Co.: *See*—
Babcock, Harry L. 3,005,912.
Howlett, Thomas W., Jr., and Meyer. 2,969,758.
Kryzer, Benjamin H. 2,999,514.
Kryzer, Benjamin H., Techler, and Thompson. 3,003,638.
Kryzer, Benjamin H., and Thompson. 3,007,482.
Lane, Marvin, and Samkoff. 2,971,648.
Loveless, Compere. 2,972,413.
Pletsch, Leonard C. 2,976,702.
Shepherd, Roy. 3,001,398.
Shepherd, Roy. 3,006,408.
Shepherd, Roy, McCabe, and Fogarty. 3,001,542.
Tischler, Edward J. 3,007,672.
Tischler, Edward J., and Kryzer. 2,985,423.
Ward, William R., and Sidabras. 2,981,363.
Weis, Frank G. 2,989,186.

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Richardson, James A. 3,006,529.
Vesak, Joseph. 2,979,226.
Vesak, Joseph. 3,008,603.

Unipat A.G.: *See*—
Bowers, Eric H., and Thoma. 2,987,006.

Unipress Co., The: *See*—
Turner, William M., and Lucius. 3,001,304.

Unison Products Co., Inc.: *See*—
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Sittel, Richard L., Cone, Ringwald, and Young. 2,997,315
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Allen, Arthur N., Jr. 2,969,118.
Allen, Arthur N., Jr. 2,993,543.
Allen, Arthur N., Jr., and Gaubis. 2,980,188.
Anderson, John E. 2,997,090
Angelos, Arthur C. 3,008,490.
Barnes, Gilbert C. 2,981,060.
Barnes, Philip E. 2,977,984.
Barry, Frank W. 2,971,329.
Berman, Nelson. 2,996,699.
Berman, Nelson, and Girsch. 3,012,229.
Best, Stanley G. 2,991,706.
Beurer, Frederick C. 2,974,901.
Beurer, Frederick C. 2,979,968.
Brahm, Charles B. 2,980,868.
Broders, Claude O. 3,004,750.
Brown, Robert G. W., Farnsworth, Fulton, Gagner, and Tarbox. 2,970,019
Buswell, Richard F. 3,000,182.
Callahan, Norman F., Jr. 3,014,274.
Capuano, Vincent J. 3,006,827.
Carter, Edward S., Jr. 2,998,210.
Clark, James W. 2,971,330
Coburn, Richard J., and Harner. 3,003,331.
Colby, Ralph S. 2,969,647
Crump, Walter J. 2,970,367.
Dennison, William T. 2,990,202.
Desantis, Joseph. 2,980,974.
Diefenderfer, William E. 2,991,926.
Dmitroff, George A. 3,006,140.
Dmitroff, George A., and Robitaille. 2,970,440.
Edwards, Alfred E. 2,974,486.
Embree, John M. 2,984,977.
Erickson, Carl A. 2,976,682.
Evers, James D. Re. 25,103.
Farkas, Thomas P. 2,968,347.
Farkas, Thomas P. 2,981,077.
Farkas, Thomas P. 2,982,258.
Farkas, Thomas P. 2,988,875.
Farkas, Thomas P., Zuiderhoek, and Meader. 2,977,051.
Ferrara, Joseph R., and Glazier. 2,968,503.
Fiori, Bruno M. 2,984,454.
Fischer, Richard L. 2,975,794.
Fischer, Richard L. 3,001,588.
Fischer, Richard L., Newton, and Walacavage. 2,985,244.
Flanders, Theodore A., and Naples. 3,009,479.
Fortmann, William E. 2,968,348.
Fortmann, William E. 2,986,880.
Fortmann, William E. 2,996,883.
Gamble, Richard F. 2,968,345.
Geary, Frederick L. 2,972,226.
Greunke, Orville V., and Preston. 2,976,528.
Hanft, Charles J., and Jaeger. 2,970,257.
Harner, Kermit I. 3,012,401.
Hasbrouck, Augustus. 3,001,726.
Hausmann, George F. 3,010,280.

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Helfrich, William E., Chamberlain, and Brown. 3,002,352.
Hellstrom, Gustav E. 2,986,231.
Holmes, Trent H. 2,967,069
Hopper, Philip S. 2,979,900.
Hopper, Philip S. 2,988,878.
Howard, George J., Jr., and Smith. 2,984,834.
Jensen, Harry T. 3,008,525.
King, Kenneth L. 3,014,148.
Kneale, Allan T. 2,983,830.
Kottsieper, Edward. 2,984,306.
Kuhrt, Wesley A. 3,060,176.
Kurti, Alexander. 2,974,480.
Landerman, Abraham M. 3,002,340.
Ledwith, Walter A. 3,004,386.
MacLaren, Frederick B. 2,998,638.
Madsen, Robert A. 2,992,685.
Mard, Kenneth C., and Pichnarcik. 3,005,520.
McLafferty, George H. 2,971,328.
Means, Herbert E. 2,992,618.
Meyer, Robert E. 2,979,893.
Meyer, Robert E. 3,013,386.
Moore, Earl K. 2,968,152
Moore, Earl K. 2,986,881.
Morrisson, Reeves. 2,992,177.
Nelson, Wallace C. 2,967,080
Newton, Norman B. 2,973,745.
Newton, Norman B., and Fischer. 2,998,849.
Nutter, George H., and Wood. 2,985,952.
Pond, Anthony V. 3,004,608.
Porter, Robert D. 2,968,346.
Ramaker, Donald. 2,990,888.
Rosen, George. 2,982,361.
Schaeffer, Carl F. 3,006,542.
Schneiter, Leslie E. 3,008,671.
Schweitz, Edwin P. 2,987,661.
Seger, Charles C. 3,014,493.
Shevchenko, Richard P., and Waring. 2,992,812.
Simens, Hugo G. 2,992,726.
Sims, James S., Jr. 2,970,436.
Speller, Jack B., and King. 3,014,133.
Torell, Bruce N. 2,980,176.
Torell, Bruce N. 2,984,969.
Torell, Bruce N. 2,987,877.
Torell, Bruce N., and Hull. 2,989,849.
Wallace, Rudolf N. 2,992,838.
Ward, Leslie A. 2,979,898.
Whittle, Richard H., and Barrasso. 2,971,585.

United Aircraft Products, Inc.: *See*—
Carroll, Frank E. 2,975,973.
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Klimm, Ewald J., and Peterson. 2,988,280.

United Can and Glass Co.: *See*—
Ashworth, Winthrop F. 2,979,356.
Becker, Philip D. 2,969,705.
Waters, Lawrence W. 2,967,554.

United Carbon Co., Inc.: *See*—
Daniell, Alton E. 3,005,725.
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United-Carr Fastener Corp.: *See*—
Amesbury, Robert R. 3,011,809.
Ashworth, Winthrop F. 3,012,807.
Becker, Charles H., and Cochran. 3,007,725.
Bengtson, Richard H., Jr. 3,010,743.
Clewes, Antony B. 2,979,688.
Cochran, Clarence W. 2,977,652.
Cochran, Clarence W. 3,000,066.
Cochran, Clarence W. 3,000,231.
Donovan, John J. 3,012,745.
Flanagan, William H., Jr., and Fraser. 2,972,727.
Greasley, Eric A. 3,007,599.
Heath, Clarence W. 3,011,743.
Hubbard, Chester A. 3,003,533.
Jansson, Arnold O. 3,006,049.
Johnson, Frank E., Jr. 3,006,003.
Jones, Ernest E. 2,980,975.
McKee, William H. 2,980,881.
McKee, William H. 2,995,724.
Murphy, Howard J. 2,973,565.
Murphy, Howard J. 2,979,797.
Parkin, Leslie. 3,007,726
Petri, Hector D., and Symonds. 2,969,570.
Shears, Stuart T. 2,972,174.
Shears, Stuart T. 3,000,069
Van Buren, Harold S., Jr. 2,990,595.
Wingard, William F., and Gosselin. 3,003,739.
Wootton, William C. 2,968,786.
Wootton, William C. 2,968,787.
Wootton, William C. 2,972,367.

United Centrifugal Pumps: *See*—
Lobanoff, Val S., and Smith. 2,968,250.

United Chemical Corp. of New Mexico: *See*—
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United Electronics Laboratories, Inc.: *See*—
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United Engineering and Foundry Co.: *See*—
Greenberger, Joseph I. 2,978,805.
Maximilian, Octavian. 2,981,493.
O'Brien, Jeremiah W. 2,991,023.
Stone, Morris D., and Talbot. 2,971,557.
Talbot, Howard H. 2,985,042.

United Engineers & Constructors Inc.: *See*—
Eaton, Gerald L. 2,972,520.
United Findings Co., Inc.: *See*—
Bellavance, Harold P. 2,973,634.
United Gas Corp.: *See*—
Scott, Thomas W. 2,982,351.
United Gas Improvement Co., The: *See*—
Jordan, Claude W. 2,980,204.
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Howes, Edgar T. 2,993,553.
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Peterson, Raymond A. 3,011,582.
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Kallio, William J. 3,014,386.
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Strickland, Royce M. 2,977,828.
United Insulator Co. Ltd.: *See*—
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United Mfg. Co.: *See*—
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United Mattress Machinery Co., Inc.: *See*—
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United Merchants and Manufacturers, Inc.: *See*—
Gortvai, Alexander F. 2,973,239.
Haskel, Merwin R. 2,974,395.
Paul, Julien. 2,995,414.
United Products Co., The: *See*—
Cover, Ralph. 3,004,573.
Cover, Ralph and P. F. 3,005,718.
United Progress, Inc.: *See*—
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United Rubber, and Chemical Co.: *See*—
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United Shoe Machinery Corp.: *See*—
Abel, Walter L., Bell, and Meyer. 2,982,243.
Ashworth, Fred, and Ioannilli. 2,972,316.
Ashworth, Fred, and Ioannilli. 3,002,475.
Baker, Willard L., Berggren, McIlvin, and Spencer. 3,006,032.
Baker, Willard L., Peterson, and Spencer. 3,014,242.
Baker, William A., Germany, and Tillyard. 3,009,181.
Barton, George C., Kiss, and Mellors. 2,988,779.
Berggren, Loring J. 2,995,159.
Bradley, Robert L., and Carr. 3,002,208.
Bradshaw, Robert W. 3,006,295.
Burke, George F. C., Hanson, and Musser. 2,998,160.
Cantley, Joseph C. 2,970,328.
Cardani, Charles P., Cole, and Eppler. 2,970,371.
Carr, Derrick T. 2,983,935.
Choice, Frank C. 2,979,723.
Clark, Alfred S. 2,979,744.
Courchene, Theodore P. 2,974,334.
Cross, Garrett P. S. 2,974,569.
Crossen, William P. 2,973,021.
D'Arcey, Alfred C., and Wadsworth. 2,988,001.
Deschenes, Emile A. 3,005,216.
Dixon, Paul H. 2,983,196.
Dixon, Paul H. 2,986,074.
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Dorosz, Adolph S., Gilbride, and Spencer. 3,000,342.
Dorosz, Adolph S., and Wade. 2,972,670.
Duran, John A. 3,004,688.
Faneuf, Joseph O., Elliott, and Chaplin. 2,982,980.
Finn, Sidney J. 2,975,678.
Finn, Sidney J. 2,978,960.
Finn, Sidney J. 2,985,073.
Finn, Sidney J. 2,988,962.
Fitzgerald, Charles F. 2,970,329.
Fitzgerald, Charles F., and Murphy. 2,979,001.
Frampton, Stanley E. 2,974,335.
Gadd, Ronald O. C., and Judge. 3,009,616.
Germany, Norman V. 2,989,761.
Gilbride, Andrew J. 2,980,931.
Gilbride, Andrew J. 2,986,753.
Gilbride, Andrew J. 2,990,559.
Goodhue, William V. 2,988,963.
Goodhue, William V., and Heeley. 2,990,752.
Gookin, Sylvester L. 3,000,529.
Highberger, John H. 2,979,438.
Hitchcock, Richard W. 2,994,893.
Hoppe, Otto F. 2,975,738.
Howard, Jerome C., Card, and Sprague. 3,010,127.
Imhof, Herman A., and Cantley. 2,974,333.
James, Cyril H., and Wilkinson. 2,987,739.
Lane, Robert F. 2,985,275.
Leahy, James F. 2,975,445.
Lofquist, Alden A., Jr. 3,006,527.
MacKenzie, William F., and Lee. 2,994,882.
Maeser, Mieth. 2,984,847.
Makovski, Stephen A. 2,975,443.
Makovski, Stephen A. 3,007,184.
Mawbey, Lawrence. 2,968,823.
Mawbey, Lawrence. 2,987,726.
McIlvin, Donald B. 2,989,750.
Miller, Lloyd G. 2,972,969.
Miller, Lloyd G. 3,002,474.
Musser, C Walton. 2,979,964.
Musser, C Walton. 2,983,162.
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United Shoe Machinery Corp.: *See*—Continued
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Musser, C Walton. 3,005,358.
Musser, C Walton. 3,006,215.
Noonan, Charles B. 3,000,023.
Paulsen, Hans C. 2,970,591.
Paulsen, Hans C. 2,983,270.
Paulsen, Hans C. 2,990,560.
Pearsall, Ralph E. 2,980,930.
Roberts, Gerald C. 3,007,209.
Rogers, Chester E., Jr. 2,982,595.
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Schaefer, Hans F., Jr., and Jenner. 2,979,745.
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Webster, Kenneth C. J. 2,996,740.
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Cooke-Yarborough, Edmund H. 2,994,002.
Fairhurst, William. 2,984,611.
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Glueckauf, Eugen. 3,010,788.
Guild, James C. 2,995,505.
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Healy, Thomas V. 2,980,503.
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Wright, John H., Petterson, and Steinberg. 2,982,733.
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Berni, Ralph J., and Fagley. 2,992,881.
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Bickoff, Emanuel M., and Booth. 2,987,398.
Binkley, Charles H. 2,992,944.
Bloch, Felix. 2,969,290.
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Brown, Roger S., and Miller. 2,983,966.
Brysson, Ralph J., and Reeves. 2,977,250.
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Bullock, Austin L., and Guthrie. 2,992,215.
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Goldblatt, Leo A., and Hopper. 2,984,632.
Goldblatt, Leo A., Hopper, and Rayner. 2,999,104.
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Hedrick, Glen W. 2,974,002.
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Hodge, John E., and Moy. 2,996,449.
Jeanes, Allene R., and Sloneker. 3,000,790.
Jordan, Edmund F., Jr., Port, and Swern. 2,984,652.
Keating, Esmond J., Cooper, and Walker. 2,972,769.
Keiser, Irving. 2,992,770.
Kew, Theodore J., and Veldhuis. 2,995,448.
Klein, Elias, Stanonis, and Harbrink. 2,990,234.
Koenig, Nathan H. 2,974,003.
Koenig, Nathan H. 2,986,445.
Koenig, Nathan H. 2,993,748.
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Pardo, Clay F., Jr., and Lundgren. 3,005,730.
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Skau, Evaid L. 3,004,428.
Sloan, William G., Du Pré, Buras, Janssen, and Tallant. 2,993,749.
Slodki, Morey E. 3,002,966.
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Smith, Allan K., Hesseltine, and Shibasaki. 2,967,108.
Smith, Cecil R., Jr., Glass, and Wolff. 3,013,037.
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Sullivan, John F., Cording, and Willard. 3,012,897.
Swern, Daniel. 2,973,380.
Swern, Daniel. 2,993,034.
Swern, Daniel, and Knight. 2,989,562.
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Van Cleve, John W., and Mehltretter. 2,973,387.
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Weaver, Elmer A. 2,982,697.
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Beatty, John W. 2,995,993.
Beaver, Murray W., and Perry. 2,991,420.
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Bohn, Jacob L., Nadig, and Korneff. 3,012,470.
Bowring, John I. R., and Elkins. 3,011,826.
Braun, Wolfgang G., and Kerris. 2,975,368.
Bronstein, Jacob, and Rambo. 2,984,741.
Brothers, William W., Jr., and Ellard. 3,011,408.
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Esher, Joseph R., Jr. 2,993,121.
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Fish, Allen M. 3,000,184.
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Fromm, Winfield E., and Fubini. 2,975,382.
Galbraith, Hugh J. 2,983,441.
Garbuny, Max. 2,979,622.
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Gebel, Radames K. H. 2,969,477.
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Greenberg, David R. 3,013,164.
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Haase, Kurt H. 3,009,106.
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Israel, Dorman D., and Bayha. 2,991,716.
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Jupa, Edward C. 2,973,746.
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Kobbeman, Donald D. 2,976,680.
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Manoni, Lawrence R. 2,968,944.
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McLean, John B. 3,014,091.
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Parzen, Philip. 2,970,214.
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Reiss, Felix A. 2,986,480.
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Sliker, Todd R. 2,977,545.
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Apgar, James W. 2,986,921.
Applegate, George W. 2,985,846.
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Clarke, Allen S. 2,990,776.
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Colby, Richard H. 2,973,693.
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Crapuchettes, Paul W. 2,968,039.
Cronquist, Norman W., and Mohler. 2,973,465.
Custer, Charles J., and Hopper. 2,995,089.
Davis, William H., Jr., De Mull, and Proto. 3,001,070.
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Evans, Paul I. 2,996,957.
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Fleischer, Arthur. 2,969,414.
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Fletcher, David C. 2,975,679.
Fletcher, David C. 2,976,770.
Fletcher, David C. 2,977,856.
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Franklin, Philip J. 2,996,007.
Franklin, Philip J., Shoemaker, and Tucker. 2,986,660.
Fraser, Charles N., and Fowler. 2,994,500.
Freeman, Robert R. 2,970,088.
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Frost, Emerson L. 2,970,263.
Fuhrman, William J. 2,997,307.
Giardini, Armando A., and Tydings. 2,995,776.
Gievers, John G. 2,998,746.
Glickman, Lester M., and Bieganski. 2,983,881.
Godfrey, Theodore B. 2,981,183.
Goubau, Georg J. E. 2,970,284.
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Grabski, John D. 2,968,442.
Grandy, Andrew J. 2,970,520.
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Griemsmann, John W. E. 2,970,283.
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Hager, Karl F., Lucas, and Franklin. 2,981,617.
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Thibodaux, Joseph G., Jr., Swain, and Styles. 3,001,363.
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Aasen, Marvin D., and Albright. 2,991,426.
Abbott, Frank R. 3,002,188.
Abraham, Thomas E. 3,008,674.
Achilich, John H. 2,980,056.
Adams, Edmond, and Hubbard. 2,988,806.
Allen, Herbert, and Burg. 2,966,850.
Allen, Thomas E. 2,972,972.
Alpert, Louis. 2,967,217.
Alperin, Norman N., and Mulle. 2,972,718.
Alsager, Leslie E., and Sheridan. 3,000,389.
Amello, Armand F. 2,987,935.
Anderson, Richard D., and Nastronero. 2,975,292.
Anspacher, William B., Scott, Bowen, Redmond, and Detwiler. 2,998,780.
Archer, John R. 2,968,001.
Ashwood, George A. 2,970,561.
Atchison, Fred S. 2,989,747.
Avery, William H. 2,990,263.
Babcock, David L. 2,975,482.
Babcock, Eldon R., and Zweigoron. 2,984,979.
Badders, William C. 2,998,703.
Bader, Frank. 3,005,308.
Bailey, Emmett C., and Spangenberg. 2,972,900.
Baker, Hayward R., Singleterry, and Ravner. 3,008,901.

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Baldwin, John L., Jr. 2,984,181.
Baltzer, Otto J. 3,001,186.
Barnes, Paul T. 3,013,389.
Bates, Richard L., and Zaginailoff. 2,973,214.
Bauer, Charles H. 2,967,662.
Beese, Norman C. 2,975,075.
Beese, Norman C. 3,005,923.
Bell, Alfred J., and Besserer. 3,000,597.
Bengston, Phillip S. 2,984,793.
Bennett, Arthur F. 3,005,434.
Berl, Walter G. 2,970,439.
Berl, Walter G., and Dembrow. 2,993,767.
Berry, Henry W. 2,987,622.
Berry, Herbert L. 3,014,217.
Bertram, Sidney. 3,009,264.
Bialy, Karol J. 2,998,754.
Bianchi, Renato. 2,978,982.
Bianchi, Renato, and Ruehlemann. 2,999,179.
Bild, Charles F. 2,969,737.
Bitner, Forrest G., and Silk. 2,974,593.
Blake, Theodore V. 2,977,919.
Bleakney, Robert M. 2,994,273.
Bleakney, Walker, Rojansy, Delsasso, Reynolds, and Kramer. 2,993,372.
Blevans, William E., and Grant. 2,968,925.
Blount, Beverley M. 2,967,591.
Bodman, Ralph H. 2,972,857.
Boettler, Jacob R. 3,013,107.
Bohl, Leland S., Gergen, and Suomi. 3,014,369.
Bombl, Walter M., Phillips, and Watson. 2,974,619.
Bonham, Lewis L., Montague, and Culver. 2,975,378.
Boosinger, Thomas H., and Sweet. 2,970,772.
Boyd, William H. A. 2,992,794.
Boykin, John R. 3,001,476.
Brace, Porter H., and Laffan. 2,977,666.
Brendholdt, Irving R. 2,996,946.
Bronson, George A. 3,008,377.
Brooks, Harvey, and Ballou. 2,974,623.
Brown, Calvin F. 3,001,044.
Brown, Calvin F., Young, and Walthall. 2,975,711.
Brown, Newell H. 2,975,419.
Brown, Richard K. 3,009,104.
Bryan, George J., and Kilmer. 2,991,705.
Burkardt, Lohr A., and McEwan. 2,992,088.
Burke, T Finley, and Shapiro. 2,994,135.
Burner, Edwin F. 2,977,070.
Burnette, Thaddeus C., Jr. 2,981,780.
Burrell, Ellis. 2,971,463.
Bush, George B. 3,000,598.
Butler, Francis E., and Wolf. 2,991,441.
Butler, Rex B. 2,996,012.
Buzard, Robert S. 2,966,892.
Cacheris, John C. 2,998,602.
Campanile, Arnold R. 2,977,684.
Campbell, Clyde E. D. 3,014,798.
Capuano, Dominick J. 2,969,179.
Carlberg, Robert E. 2,977,857.
Carlberg, Robert E. 2,978,959.
Carlberg, Robert E. 2,995,986.
Carlberg, Robert E., and Hersh. 2,985,072.
Carlberg, Robert E., and Hersh. 2,994,248.
Carlberg, Robert E., and Hersh. 3,001,454.
Carlton, Alvar G. 2,981,500.
Cary, Donald S. 3,002,092.
Cary, Donald S., Kesel, and MacNeille. 2,997,595.
Cerny, Joseph A. 2,966,826.
Cerny, Rudolph J. 2,986,038.
Chait, Herman N. 2,978,654.
Chapin, Edward J. 2,977,219.
Cheeseman, Herbert L. 2,993,337.
Chessin, Hyman, and Seybert. 2,996,944.
Christoph, Walter P. 2,996,917.
Christoph, Walter P. 3,001,175.
Chubb, Lewis W., Siegel, and Prescott. 2,993,440.
Chun, Melvin E. 2,982,941.
Clark, Albert P. 2,972,961.
Clarke, Herbert A. 3,001,082.
Cohen, William. 2,990,684.
Cole, Benjamin R., and Sheldon. 2,985,838.
Cole, Benjamin R., and Sheldon. 2,995,748.
Cole, Benjamin R., and Sheldon. 3,009,110.
Coleman, Henri P., and Kaiser, Jr. 2,969,542.
Conger, Robert L., and Kudela. 2,997,695.
Cook, Harold G. 2,973,833.
Cook, Harry G. 3,002,589.
Cooke, David A. 2,996,027.
Cooke, David A., and Kittleman. 3,004,506.
Couts, Robert J. 2,998,752.
Cowley, Richard T. 3,008,380.
Coy, Carl E., and Tague. 2,975,386.
Crawford, Carl F., and Fiore. 2,985,850.
Creusere, Melville C. 2,999,234.
Creusere, Melville C., and Gregory. 3,001,718.
Critchfield, Charles L., and Millar. 2,992,612.
Critchfield, Charles L., and Millar. 2,996,992.
Culver, Eugene S. 2,996,310.
Cunningham, Robert A. 2,987,025.
Cuthbert, Stuart V., and Wroughton. 2,972,179.
Czajkowski, Norman. 2,977,883.
Czajkowski, Norman. 2,978,984.
Czajkowski, Norman. 3,001,478.
Daniels, Howard L., Fritze, and Ritter. 2,977,578.

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Davis, Fred H. 2,996,945.
Dawson, John W., and Westheimer. 2,982,641.
Dawson, Victor C. D., and Seigel. 3,005,573.
Day, Pierce B. 3,001,448.
Dean, Frank A. 3,008,667.
De Mong, Maurice D. 3,011,705.
Detwiler, Robert L. 2,972,998.
Devol, Lee. 2,983,900.
De Vost, Valmore F. 2,971,497.
Dilks, Uselma C. S. 3,005,938.
Dobbins, Billy D., Tregidga, and Luke. 2,998,943.
Doman, John J., and Dawes. 2,967,763.
Donahue, William J., Jr., Erickson, and Butler. 2,996,009.
Donnelly, Edward P., Jr. 2,970,279.
Doughty, John A. 3,002,457.
Dow, Daniel G. 2,971,114.
Dow, Joseph W. 2,969,856.
Dragonuk, Leo. 2,979,212.
Dunlap, Henry F. 2,994,274.
Dunlap, Henry F. 2,996,011.
Dunlap, Henry F., Crozier, and Bleakney. 3,000,316.
Dunlap, Henry F., and Hablutzel. 2,968,246.
Dunlap, Henry F., and Hablutzel. 2,991,720.
Dunlap, Henry F., and Hablutzel. 3,005,409.
Eaton, Frederic N. 2,987,963.
Edwards, George D., and Rice. 2,984,599.
Edwards, William J. E., and Parker. 2,987,721.
Eggers, Preben. 2,980,828.
Ellis, Charles R. 2,993,182.
Ellis, Richard T. 3,007,158.
Evans, Harold E. 3,001,043.
Fain, Jacob M., and Goldman. 2,967,163.
Fay, Howard G. 2,983,958.
Fedor, Joseph V., and Evans. 3,002,453.
Feldman, William, and Hicks. 3,005,914.
Felker, Jean H., and Lundstrom. 3,011,716.
Ferguson, Benjamin E., and Orben. 2,994,089.
Fiedler, Willy A., Kane, and Haake. 2,986,999.
Field, Donald E. 2,999,029.
Finnegan, William G., and Boschan. 2,977,372.
Finnegan, William G., Henry, and Skolnik. 3,004,959.
Fitzpatrick, John A. 2,995,987.
FitzSimmons, Vincent G., and Zisman. 2,972,947.
Fogal, Gordon L., Kennedy, Meese, and Trout. 2,974,588.
Foley, Nelson D. 3,008,415.
Foote, Vernon S., Jr. 3,000,627.
Ford, Gerald M. 3,011,117.
Ford, Gerald M. 3,012,182.
Fox, Arthur B. 3,001,105.
Fox, Paul L. 2,971,438.
Francis, William J. 2,989,407.
Frantik, Rudolph O. 2,996,010.
Freund, John M. 2,981,778.
Freund, John M. 2,981,779.
Fronk, Wilbert L. 2,979,827.
Fyler, Ethel P., and Wilkes. 2,981,945.
Gable, Edward O. 2,973,108.
Gable, Edward O. 2,973,109.
Gallaghan, John A., and Evans. 2,994,695.
Gallay, Harris, and Cohen. 3,009,122.
Garman, Kenneth C. 2,990,777.
Geckle, William A., Jr. 2,976,432.
George, Henry H. 2,991,470.
George, Henry H. 2,997,255.
George, Henry H. 2,999,238.
Gey, William A. 2,982,639.
Gey, William A. 2,994,597.
Geyger, William A. 2,996,627.
Gibson, Earl D. 2,983,864.
Gibson, Earl D. 2,998,774.
Giladett, Leo V. 3,002,063.
Gildner, Darwin A., and Brauer. 2,970,528.
Globe, Samuel. 3,002,062.
Gogolick, Roland M., Finney, and Brown. 2,968,053.
Goldstein, Melvin M. 2,990,308.
Goode, Kenneth E., Lannerd, and Zimmerman. 2,968,779.
Goode, William P., and Johnson. 2,981,503.
Goodman, Lawrence E., and Benjamin. 3,005,351.
Goss, Wilbur, Beck, and Erwood. 2,968,242.
Gramm, Charles F. 2,997,596.
Gray, Renben F. 3,010,109.
Greathouse, Glenn A. 2,978,338.
Gregg, Earle C., Jr., and Shrader. 2,999,225.
Gregory, John H., and Boyle. 3,009,152.
Gres, Marcel E. 2,990,046.
Gres, Marcel E. 2,994,267.
Grimes, David D., Miller, and Schmidt. 2,997,682.
Guarino, Louis S. 3,013,723.
Guarino, Louis S., and Sikora. 3,008,670.
Gunnison, George S. 2,981,393.
Haar, Marvin I., Lueders, Prowse, Savitsky, and Van Dyck. 2,991,745.
Haas, Herbert W. 2,990,546.
Haas, John W. 3,002,458.
Hablutzel, Charles E. 2,993,444.
Hablutzel, Charles E. 2,998,778.
Hackley, Reginald A. 2,979,690.
Halonen, Carl A. 2,993,302.
Halpern, Otto. 3,007,160.

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Hammond, Wardlaw M., Jr. 2,986,596.
Handler, Eugene H. 2,973,169.
Hannah, Kenneth W. 2,995,714.
Hanson, Morgan P. 2,997,274.
Haraden, George A. 3,005,407.
Hardgrave, Everett J., Jr. 2,995,932.
Hardgrave, Everett J., Jr. 3,008,291.
Hardgrave, Everett J., Jr., and Dean. 2,998,702.
Hare, Donald G. C. 2,991,562.
Harman, Theodore C. 2,994,818.
Harris, Franklin H. 2,979,633.
Hauptschein, Arthur. 2,968,038.
Hauser, Ralph I., and Bridge. 2,979,957.
Haviland, Thomas J. 2,974,275.
Hawkins, John N. A. 2,987,700.
Heller, Aaron. 2,994,400.
Heller, Aaron. 3,006,074.
Helvey, Edward E. 2,971,119.
Henry, James W., and Morrison. 3,002,900.
Herrick, Robert M., and Karnow. 2,972,198.
Hersh, Sidney, and Lacombe. 2,977,851.
Hesson, Charles O. 2,974,597.
Hicks, Harry F., Jr. 2,981,887.
Hicks, Harry F., Jr. 3,012,212.
Higgs, Paul M., Malm, and Robertson. 2,984,719.
Hill, Freeman K. 3,011,341.
Hilliard, Robert C. 3,015,068.
Hinton, Curtis V. 2,970,187.
Hinton, Curtis V. 3,009,641.
Hobart, Joe B., Jr. 2,969,941.
Hodges, Howard T. 3,001,475.
Hodgson, Samuel K. 3,008,554.
Hoehne, Walter E. 2,993,801.
Holt, Pliny G. 2,993,643.
Huch, William F., Ney, and Winckler. 2,997,259.
Huch, William F., and Winckler. 2,977,069.
Hudson, Richard L. 2,979,475.
Hughes, William R. 3,006,549.
Hull, Maury I. 2,994,270.
Hull, Maury I. 3,012,739.
Hutchens, Frederick L., and Ingels. 3,014,131.
Hymans, Harold, and Devlet-Muraz. 3,001,419.
Isham, Basil O. 3,013,517.
Jacob, Carlyle W. 3,009,076.
Jacob, Carlyle W. 3,009,077.
Jacob, Mark I., and Wilson. 2,969,508.
Jacobs, John C. 2,989,576.
Jacobs, John F., Holden, and Ellings. 2,969,994.
Janz, Donald W. F. 2,996,689.
Jarmotz, Paul, and Pepinsky. 2,972,117.
Joerndt, Wilbur A. 2,989,708.
Johnson, Arthur E. 3,001,039.
Johnson, Richard M. 2,985,408.
Johnson, Robert R. 3,012,187.
Johnson, Walter T., and Barnet. 2,970,343.
Jones, Leonard S., and Kowalyshyn. 2,980,048.
Jones, Robert C. 2,986,034.
Jordan, Edward C., Webb, and O'Meara. 2,994,081.
Jordan, Harold S., Jr. 2,969,189.
Jordan, Samuel A., Jr., and Robinson. 2,995,830.
Judkins, John R. 3,005,918.
Kabik, Irving, and Cecil. 2,972,306.
Kaplan, Lloyd A., and Taylor. 3,002,998.
Karig, Horace E. 2,974,622.
Karnow, Paul. 2,972,283.
Karnow, Paul, and Herrick. 2,971,273.
Karp, Raymond E. 3,001,498.
Katz, Leonhard. 3,004,436.
Kaufman, Martin H., Killackey, and Chung. 2,996,461.
Kaufman, Maxime G., and Hayden. 3,005,345.
Kellogg, William M. 2,992,424.
Kelly, John C. R., Jr. 2,975,677.
Kemble, Percy R. 2,996,214.
Kershner, Richard B. 2,969,017.
Kershner, Richard B. 2,977,880.
Kershner, Richard B., and Swaim. 2,995,319.
Key, Carroll L., Jr., and Trufant. 3,005,133.
Kihn, Harry, and Klensch. 2,994,874.
King, Charles H., Jr., and Billman. 2,995,896.
Kinkel, Christian F., Richards, Steven, and Troy. 2,977,878.
Kirchner, Werner R. 3,000,317.
Kistiakowsky, George B., McDougall, Lum, Bragg, and Messerly. 2,966,822.
Kittleman, Robert H., and Warren. 2,986,109.
Kleinman, Maurice. 3,012,248.
Kline, Paul C. 3,012,455.
Knaub, Richard Z., and Hammond. 2,998,753.
Knausenberger, Georg E. 3,008,413.
Knowles, Hugh S. 3,001,129.
Komarmy, Julius M. 2,988,561.
Kopec, John C. 2,981,191.
Kouba, Delore L. 2,999,113.
Kouba, Delore L. 2,999,114.
Kruse, Howard W. 2,982,637.
Kuck, John H. 2,979,552.
Kuck, John H. 2,998,942.
Kuck, John H. 3,008,666.
Kuck, John H., and McCord. 2,999,211.
Kuester, Donald W. 3,002,179.
Kurie, Franz N. D., and Cartwright. 2,978,668.

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Lagerstrom, Richard P., and Dow. 2,967,259.
Lakatos, Louis L. 2,995,627.
Land, William E., and Phillips. 3,000,308.
Lane, William B., Baum, Graham, Fuller, Mackin, Lai, Zigman, and Shelberg. 2,974,520.
Lapp, Roger H., Goldman, Goss, and Froelich. 2,989,124.
Lareau, Norman N., and Ernisse. 3,000,313.
Leaman, Audley B. 2,996,990.
Leaman, Audley B., and Czajkowski. 2,980,773.
Leavitt, William E. 2,988,695.
Lee, Leighton, II. 2,997,034.
Leeper, Charles K. 2,995,891.
Leeper, Charles K. 2,996,878.
Lees, Robert. 2,985,896.
Lefkowitz, Howard. 2,996,683.
Leonard, Merrill G., and Guidosh. 2,989,921.
Lewis, Edward V. 2,974,624.
Lewis, Frederick M. 3,014,675.
Locke, Frederick W. S., Jr. 2,997,260.
Locke, Frederick W. S., Jr. 3,009,669.
Lo Piego, Louis, Aspiund, and Smith. 2,972,305.
Logan, Joseph G., Jr. 3,008,292.
Longwell, John P. 2,990,686.
Loveless, John H. 2,994,334.
Lovick, Robert C. 2,977,590.
Luke, George W., Jr. 3,001,153.
Lynn, Jack E., and Robinson. 3,002,266.
Mack, Kent M., and Frankenfield. 2,975,416.
MacNeille, Stephen M. 2,997,594.
MacRoberts, Donald T. 2,998,779.
Magnusson, Knut J. 2,988,595.
Malick, Franklin S., Daly, and Voorhees. 2,974,620.
Maltby, Wilson R. 3,010,395.
Marsal, Paul. 2,990,441.
Marsal, Paul. 3,003,016.
Marshburn, Charles E. 2,986,732.
Masek, Roland C. 2,995,738.
Mattern, John. 2,981,826.
McCabe, Philip J., and March. 2,982,829.
McCarty, Daniel J., and Lutz. 2,977,089.
McCarty, Daniel J., and Lutz. 2,977,090.
McCormack, Whitney. 2,993,413.
McGowan, Richard J., Jr. 2,973,521.
McHugh, John B. 2,981,123.
McHugh, John B. 2,991,663.
McKenney, Vaughn G. 2,981,927.
McLamore, John T., and Trachtenberg. 2,986,730.
McLaughlin, Donald J., and Fluhr. 3,010,059.
McLaughlin, Edgar H. 2,994,806.
McNutt, Clarence R., Setz, Carroll, and Leenlewaki. 2,991,960.
McVey, Eugene S. 2,982,886.
Meissner, Loren P. 3,009,114.
Mendel, John T. 2,999,181.
Menzel, Wolfgang A. 2,996,991.
Meyer, Robert E., and Lewis. 3,009,317.
Millar, John McG. 2,991,719.
Miller, Arthur H. 2,996,879.
Miller, Arthur H., Jr. 2,981,150.
Miller, Arthur H., Jr., Dietz, and Shipley. 2,981,152.
Miller, Charles E., Barkas, and Uptegraff. 3,012,191.
Miller, Harry B. 2,989,725.
Miller, Laymon N. 2,984,819.
Miller, Theadore. 2,987,699.
Milliner, Cary F., Jr. 3,004,490.
Moeller, Kurt G. F. 2,968,458.
Moeller, Kurt G. F. 2,990,797.
Moore, Richard H., and Goff. 3,012,432.
Moore, Thomas M., and Reise. 3,014,138.
Moore, William H., and Burcham. 2,976,483.
Morcom, Richard J., Strauss, and Lorenz. 2,987,996.
Morrison, Linwood P., Hale, and Parker. 2,994,649.
Morton, Harold S. 2,991,934.
Morton, Harold S. 2,996,564.
Moul, George E., Jr. 3,004,645.
Mueller, Frank J. 2,972,061.
Mueller, Richard A. 2,975,396.
Muldowney, Thomas F. 3,005,438.
Mullen, James W., II. 2,969,648.
Mullen, James W., II. 2,972,231.
Munk, Max M. 2,995,939.
Murdock, Richard S. 3,009,030.
Murphy, James D. 2,995,718.
Murray, John B., and Yarnall. 2,984,436.
Narud, Jan A., and Winter. 2,996,674.
Nearman, Richard E. 2,984,513.
Newhouse, Russell C. 2,971,269.
Newhouse, Russell C. 3,013,722.
Newman, Norman R. 2,971,544.
Nichols, Nathaniel B. 2,978,912.
Nolle, Alfred W. 2,997,668.
Northrup, Doyle L., and Haberland. 3,005,974.
Nuffer, Harold D. 2,990,507.
Nye, Robert G., Brettell, and Apple. 2,969,599.
Okstein, Paul, and Studer. 2,978,983.
O'Meara, Thomas R. 3,005,198.
O'Meara, Thomas R. 3,005,200.
Owen, Thomas B. 2,992,595.
Oyhus, Frederick A. 3,001,406.
Ozanich, Anthony R., and Cannizzo. 2,992,528.
Packer, William O., and McKee. 3,001,299.
Palement, Philip R. 2,989,848.
Pallas, Charles E. 2,987,633.
Papp, George. 2,991,417.
Parker, David E., and Wetherbee. 2,966,725.
Parkinson, William C., and Chatham. 2,972,142.
Pars, Frank C. 2,981,189.
Perry, Henry A., Jr., and McGill. 2,977,885.
Peters, Edward L., Weinstein, and Buehler. 3,000,216.
Peterson, Robert E. 3,002,178.
Peterson, Robert H. 2,978,922.
Petritz, Richard L. 3,009,085.
Phillips, Richard A. 2,967,660.
Pierce, Firth, and Gey. 3,010,815.
Pigman, George L. 2,970,542.
Pingree, Frederick de W., Walden, and Sawyer. 3,006,002.
Pinnes, Robert W. 3,001,500.
Pinnes, Robert W., and De Crescente. 2,974,495.
Place, Eugene W., Davidson, and De Santo. 3,004,491.
Platt, Haviland H., and Mayon. 2,972,934.
Plummer, Charles W. 2,991,315.
Porter, Carroll D., and Persechino. 2,998,705.
Porter, Henry H. 2,987,270.
Porter, Samuel J. 2,992,086.
Poulter, Thomas C. 2,972,946.
Power, Walter C., and Burrell. 3,000,310.
Preckel, Ralph F. 3,009,796.
Prosen, Stanley P., and Barnet. 2,983,224.
Prosen, Stanley P., and Barnet. 3,005,408.
Rabinow, Jacob. 2,963,041.
Radford, James E. 3,004,734.
Rae, Randolph S. 2,975,587.
Rae, Randolph S. 2,995,007.
Rae, Randolph S. 3,005,309.
Raskhodoff, Nicholas M., and Lowell. 2,998,730.
Reid, Walter E., Jr. 3,002,899.
Richardson, David A., and McCafferty. 2,969,210.
Ridley, Oscar E. 2,974,928.
Riggs, Robert F., Foster, and Moran. 2,975,422.
Rimmer, William. 2,998,944.
Riordan, Hugh E., Samburoff, and Baughman. 2,981,187.
Rizzo, Samuel. 2,991,959.
Robertson, Bedford S., Jr. 2,999,212.
Robinson, Ralph O., Jr. 2,982,212.
Robinson, Ralph O., Jr. 2,993,443.
Robinson, Ralph O., Jr. 2,995,749.
Robinson, Ralph O., Jr., and Sheppard. 2,987,999.
Rockwell, Gaynor O. 2,968,021.
Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,987,698.
Rolle, Edward, Mackie, and Tabor. 3,002,945
Rolle, Edward, and Tabor. 2,984,558.
Ronfeldt, Howard W. 3,005,406.
Roshon, Arthur H., Jr., and Waldie. 2,977,568.
Rubin, Robert J. 2,998,719.
Ruehlemann, Herbert E. 2,981,890.
Ruehlemann, Herbert E. 2,999,208.
Ruehlemann, Herbert E. 3,001,477.
Ruehlemann, Herbert E. 3,008,416.
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Ruehlemann, Herbert E., Burke, Bianchi, Smith, and Tower. 2,978,981.
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Rule, Bruce H. 2,967,661.
Rush, Paul J. 2,987,024.
Sacks, Jacob M., and Hill. 2,981,800.
Sanders, Edwin R. 3,000,314.
Saunders, Robert H. 2,993,935.
Saunders, Robert H. 2,993,936.
Saunders, Rober H. 2,994,714.
Saunders, Robert H. 2,996,537.
Saunders, Robert H. 2,996,544.
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Saunderson, Henry D. 2,994,272.
Savitt, Jacob. 3,002,456.
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Scanlon, Wayne W. 2,989,643.
Scheuerman, Charles M. 2,969,942.
Schlachman, Benjamin. 3,005,883.
Schlesman, Carleton H. 2,976,380.
Schmidt, Robert L., Miller, and Grimes. 3,000,305.
Schoennauer, Arthur E., Jr. 2,995,717.
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Schohan, George. 2,994,831.
Schonstedt, Erick O. 2,980,363.
Schuert, Edward A. 2,973,579.
Schultz, Mortimer A., and Nagel. 2,978,698.
Schwartz, Everett R., and Feltham. 2,972,143.
Seeley, Elwin W. 2,998,604.
Seeley, Ralph M., Jr. 2,982,887.
Sewell, Ben W. 3,006,203.
Shanahan, William J. 3,005,045.
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Shindledecker, Maurice E., Branagan, and Horsman. 2,996,586.
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Showalter, Albert E. 2,969,441.

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Shreckengost, Raymond C. 2,995,740.
Shyhalla, Nicholas, and Blum. 2,995,752.
Sickman, Darrell V. 2,987,520.
Sledband, Melvin P. 2,978,629.
Siegel, Moses, and Honigman. 2,989,899.
Siegel, Vernon H. 2,977,584.
Silver, Meyer, Herdman, and Hassel. 2,994,271.
Simpson, Harry A., Jr. 2,987,356.
Simpson, Harry A., Jr. 3,009,756.
Singer, Siegfried F. 2,984,783.
Skramstad, Harold K., Raudenbush, and Hart. 3,011,738.
Sloan, David H. 2,981,065.
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Slusher, William E. 2,992,407.
Smith, Robert M. 2,970,312.
Smith, Thomas C. 2,980,020.
Smith, Walter F. 2,972,329.
Snavely, Benjamin L. 3,003,066.
Snyder, Hartland S., and Hummer. 3,012,148.
Snyder, William M., and Smith. 2,969,673.
South, Frank C. 3,000,634.
Spat, Melvin. 2,999,000.
Spaven, William J. 2,993,645
Stern, Jesse E., and Santore. 2,976,721.
Stevens, Lewis A., and Roney. 2,978,700.
Stevens, Norman B., Bradshaw, and Davison. 3,002,125.
Stimler, Morton. 2,974,260.
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Stoll, Ulrich W. 2,996,394.
Stone, Robert R., Jr. 2,972,108.
Stone, Robert R., Jr. 2,973,483.
Storma, Edward M., Field, Hill, and Hake. 2,967,631.
Stresau, Richard H. 2,972,951.
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Strong, John. 3,005,913.
Studenick, David K. 3,004,431.
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Suozzi, Joseph J. 2,972,714.
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Tatel, Howard E. 2,966,856.
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Thompson, William F., Jr. 2,974,926.
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Toomey, John B., Jr. 2,967,482.
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Trotter, Herbert, Jr. 3,000,307.
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Turnquist, Ralph O., and Wenner. 2,986,335.
Turtora, John. 2,967,019.
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Unger, Hilbert J. 3,002,122.
Van Allen, James A., and Ferris. 2,996,008.
Varela, Arthur A. 2,989,743.
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Vining, L. Heath, Jr., Erickson, and Will. 2,993,442.
Wagner, Herbert A. 2,994,245.
Walker, Harold R. 2,984,747.
Walker, James H. 2,997,256.
Walker, Nelson A. 2,983,225.
Wallace, Reuben H. 3,005,961.
Wallack, Stanley, and Perdreaux 3,011,096.
Walters, Francis M., II. 3,009,125.
Walton, Selwyn R. 2,981,618.
Warren, James R. 2,996,267.
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Washburn, David A. 2,971,521.
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Watkins, Dean A. 2,997,618.
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Watters, Robert L. 2,972,110
Waxman, Arnold L. 2,986,973.
Weiss, Malcolm A. 3,011,336.
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Werle, Otto P., and Courembis. 3,011,406.
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Wheeler, Donald H. 3,011,714.
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White, Randall F. 3,000,014.
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Wilkinson, Robert H. 3,000,565.
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Wilson, John A., III. 2,996,280.
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Yarnall, Frank D. 2,966,852.
Yeagley, Henry L. 2,971,491.
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Bodle, Morgan D. 2,977,270.
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Borland, James B., and Batts. 2,992,962.
Borys, Walter A. 2,995,181.
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Brown, Neuberne H., Jr. 2,976,539.
Brown, Robert W. 3,004,942.
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Bull, Arthur W. 2,968,331.
Buono, Frank S. 2,998,986.
Burkus, John. 2,979,485.
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Cunningham, Marion M. 2,969,102.
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Daly, Lawrence E. 2,972,593.
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Foster, Boutwell H., and Haddad. 3,008,213.
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Gartrell, Robert D., Gregg, and Farrell. 3,002,866.
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Giusti, George R., Stiegler, and Hirsch. 3,001,334.
Gunberg, Paul F., and Viohl. 2,993,821.
Gyana, Eugene E. 2,976,565.
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Little, Julian R. 2,989,504.
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Saulino, Anthony J., McFarlane, and Klamp. 2,995,178.
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Streed, David D. M., and Luxenberger. 2,974,373.
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Sundholm, Norman K., and Hubbard. 2,999,810.
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Thompson, Mortimer S. 2,995,537.
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Barkley, Charles J. 2,985,121.
Bensema, Eugene E., and Freeman. 2,996,630.
Bliss, George L. 2,988,292.
Boehler, Robert E. 2,983,501.
Brady, Richard R., and Dulis. 2,968,549.
Burquist, William A., and Hansen. 2,997,372.
Butscher, Frank W. 3,005,583.
Callighan, Robert H. 3,007,963.
Carroll, Martin J., and Lorig. 3,001,682.
Cochrane, Donald P., and Stoeckel. 2,971,719.
Coe, Herbert L. 2,993,845.
Cogelja, Godfrey J., and Martin. 2,977,108.
Coleman, William E. 3,013,459.
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Ficker, Charles L., and Hanrahan. 2,997,197.
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Gabriel, Charles. 2,991,734.
Garofalo, Frank, and Smith. 2,986,922.
Gathmann, Mark H., and O'Brien. 3,007,587.
Gawne, Robert J. 3,002,210.
Gilligan, John A., and Haaijer. 2,983,344.
Hallgren, Werner C. 3,002,773.
Harris, Arch W., and Ward. 2,989,944.
Hawthorne, John O., and Mihelic. 2,971,982.
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Hawthorne, John O., and Wilt. 2,971,962.
Hawthorne, John O., and Wilt. 2,996,519.
Hornak, John N., and Orehoski. 3,013,316.
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Jaruzelski, John J., and Smith. 2,980,705.
Johnson, Tegner A. 2,980,608.
Kauppi, Walter A. 2,979,792.
Kerlie, Walter L. 2,993,781.
Kritscher, Andrew F. 3,008,849.
Krupa, George J. 3,010,711.
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Leonard, Joseph W. 3,003,708.
Leslie, William C., and Rickett. 2,986,483.
Loes, Erik. 3,004,514.
Lorig, Edwin T. 2,995,945.
Ludwig, Norman C. 2,969,227.
Marshall, William A. 2,989,966.
McAfee, Daniel W., Jr. 3,004,653.
McClure, Robert E., Jr. 2,983,502.
McNabb, Albert H., Jr. 3,008,365.
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Mohnkern, Gerald E. 2,986,484.
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O'Brien, John F. 2,987,792.
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Purvance, William T. 2,975,735.
Ransom, William R., Jr. 3,005,373.
Randebaugh, Stanley E. 2,987,946.
Redman, William J. 2,976,813.
Rendel, George H. 2,971,374.
Rendel, George H. 3,008,329.
Rizzone, Michael L. 2,998,716.
Roberts, William L. 2,985,043.
Rocheville, Charles E., and Secrist. 2,991,806.
Salmi, John V. 2,969,884.
Schmelzer, Ludwig E. 2,977,259.
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Smith, George V. 2,987,429.
Soltis, John E. 2,980,192.
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Stoeckel, Albert L., and Zimmermann. 2,983,088.
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Eckert, John S. 2,979,314.
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Shapiro, Seymour L., and Freedman. 2,993,831.
Shapiro, Seymour L., and Freedman. 2,993,890.
Shapiro, Seymour L., and Freedman. 2,993,896.
Shapiro, Seymour L., and Freedman. 2,993,897.
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Matthewson, Edwin H. 2,989,245.
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Arrigo, Joseph T. 2,987,525.
Balentine, James H. 2,985,324.
Bergman, Donald J. 2,976,922.
Bloch, Herman S. 2,971,992.
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Brown, Kenneth M. 2,999,808.
Brown, Kenneth M., and Gleim. 2,976,229.
Chenicek, Joseph A. 2,969,394.
Cyba, Henry A. 2,974,024.
Cyba, Henry A., and Rosenwald. 3,011,976.
Cyba, Henry A., and Thompson. 2,974,023.
Cyba, Henry A., and Thompson. 2,982,729.
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Cyba, Henryk A. 3,012,056.
Fink, Melvin M. 3,003,639.
Geiser, Edward M. 2,998,415.
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Hoekstra, James. 2,970,966.
Kassel, Louis S. 2,974,020.
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Massey, Lester G. 2,984,548.
Meisinger, Erwin E. 3,004,082.
Murray, Maurice J., and Plagge. 3,000,811.
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Nixon, William G. 2,968,635.
Nixon, William G. 2,974,111.
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Pollitzer, Ernest L. 2,974,134.
Pollitzer, Ernest L. 2,976,275.
Pollitzer, Ernest L. 3,012,055.
Pollitzer, Ernest L. 3,012,964.
Schmerling, Louis. 2,969,399.
Schmerling, Louis. 2,970,175.
Schmerling, Louis. 2,971,994.
Schmerling, Louis. 2,974,149.
Schmerling, Louis. 2,982,792.
Schmerling, Louis. 2,986,579.
Schmerling, Louis. 2,992,282.
Schmerling, Louis. 3,000,985.
Schmerling, Louis. 3,004,074.
Schmerling, Louis. 3,009,003.
Schmerling, Louis, and Toekelt. 2,988,560.
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Scivally, Herschell R., and Balentine. 2,985,439.
Smith, Marvin A. 2,980,628.
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Stolfa, Frank, Gleim, and Urban. 2,994,589.
Thomas, John W. 2,991,886.
Thompson, Ralph B. 2,968,618.
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Thompson, Ralph B. 2,990,368.
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Untermyer, Samuel, to General Electric Co. Plate assembly. 2,998,369, 8–29–61, Cl. 204—193.2.

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Pederson, Raymond L. 3,000,883.
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Upton, George F., to D. Napier & Son Ltd. Combustion chambers of internal combustion turbine units. 2,968,924, 1–24–61, Cl. 60—39.37.
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Urbschat, Ewald, and P.-E. Frohberger, to Farbenfabriken Bayer Aktiengesellschaft. Fungicides. Re. 24,960, 4–4–61, Cl. 167—30.
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Van der Lely, Cornelis and A. 2,976,939.
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Van der Lely, Cornelis, and A. 2,972,852.
Van der Lely, Cornelis and A. 2,973,816.
Van der Lely, Cornelis and A. 2,976,059.
Van der Lely, Cornelis and A. 2,976,939.
Van der Lely, Cornelis and A. 2,980,430.
Van der Lely, Cornelis and A. 2,988,864.
Van der Lely, Cornelis and A. 2,993,324.
Van der Lely, Cornelis and A. 2,993,326.
Van der Lely, Cornelis and A. 2,993,327.
Van der Lely, Cornelis and A. 2,993,328.
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Van der Lely, Cornelis and A. 2,995,885.
Van der Lely, Cornelis and A. 2,996,869.
Van der Lely, Cornelis and A. 2,998,083.
Van der Lely, Cornelis and A. 2,998,691.
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Van der Lely, Cornelis and A. 3,003,302.
Van der Lely, Cornelis and A. 3,004,378.
Van der Lely, Cornelis and A. 3,004,379.
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Van Hutten, Jack, to Zenith Radio Corp. Cathode-ray tube deflection structure. 3,004,188, 10–10–61, Cl. 315—27.
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Van Iperen, Bernardus B., to North American Philips Co., Inc. Magnetic beam-forming device. 2,983,840, 5–9–61, Cl. 315—3.5.
Van Jaarsvelt, Willem A. J., to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer. Oscillator circuit with parasitic oscillation prevention means. 2,977,548, 3–28–61, Cl. 331—105.
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Van Tassel, Earl K., to Bell Telephone Laboratories, Inc. Multiple output diode distributor and amplification circuits. 2,978,677, 4–4–61, Cl. 340—167.

Van Tassel, Earl K., and R. E. Yaeger, to Bell Telephone Laboratories, Inc. Oscillator amplitude control. 2,992,399, 7–11–61, Cl. 331—109.

Van Tassel, James. Toilet seat for infants. 2,992,439, 7–18–61, Cl. 4—239.

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Van Tittelboom, Marcel L. E., to Corn Products Co. Centrifugal screening type separator and method. 2,995,246, 8–8–61, Cl. 209—362.

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Vanwersch, Aloys, P., and L., to Firma Eisenwerk Wanheim G.m.b.H. Connecting structure for beams of a roof support or the like. 2,991,099, 7–4–61, Cl. 287—99.

Vanwersch, Aloys, P., and L., to Firma Eisenwerk Wanheim G.m.b.H. Connecting structure for beams of a roof support or the like. 2,991,100, 7–4–61, Cl. 287—99.

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Vanwersch, Aloys, P., and L., to Firma Eisenwerk Wanheim G.m.b.H. Connecting structure for beams of a roof support or the like. 2,991,103, 7–4–61, Cl. 287—99.

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Varga, LeRoy M., to Stapling Machines Co. Box closing machine. 3,007,394, 11–7–61, Cl. 100—56.

Varga, Tibor: *See*—
Szepesi, Karoly, Jancso, and Varga. 2,991,170.

Vargas, James A.: *See*—
Kaufman, Samuel S., and Vargas. 2,974,501.

Vargo, Frank J.: *See*—
White, James S., and Vargo. 3,005,890.

Varian Associates: *See*—
Abler, Robert A., Becker, and Clifford. 2,999,448.
Anderson, Weston A., and Mathias. 3,004,211.
Beaver William L. 2,991,391.
Bell, William E. 2,975,360.
Bloom, Arnold L., and Bell. 2,975,330.
Hall, Lewis D., Helmer, and Jepsen. 2,993,638.
Jepsen, Robert L. 2,970,242.
Jepsen, Robert L. 2,974,253.
Jepsen, Robert L. 2,996,639.
Lloyd, William A., and Huffman. 2,983,433.
Nelson, Richard B. 2,971,115.
St. Clair, Maurice W. 2,996,690.

Varian Associates: *See*—Continued
St. Clair, Maurice W. 3,008,102.
Schmidt, Robert C., and Symons. 2,994,009.
Simonton, Mike E. 2,996,670.
Spencer, Robert S. 2,990,495.
Sturrock, Peter A. 3,013,173.
Varian, Russell H. 2,996,657.
Ward, Curtis E. 2,975,323.

Varian, Russell H., to Varian Associates. Gyromagnetic resonance magnetometer and gradiometer apparatus and method. 2,996,657, 8–15–61, Cl. 324—.5.

Vari-Typer Corp.: *See*—
Billet, Edward H. 2,968,992.
Billet, Edward H., and Raak. 2,969,235.

Varkony, Emerich, to Toms-River-Cincinnati Chemical Corp. Pulverizing mill and unloading device therefor. 3,011,727, 12–5–61, Cl. 241—171.

Varn, Charles F., to United States Rubber Co. Device for feeding plastic material to an extruder. 3,005,598, 10–24–61, Cl. 242—68.

Varnell, Thomas R., 25% to R. H. and B. M. Langford. Water cooler reservoir. 2,998,162, 8–29–61, Cl. 222—54.

Varo Mfg. Co., Inc.: *See*—
Holt, William J., Jr. 2,971,054.
Holt, William J., Jr. 2,971,104.
Wible, Paul E., Jr. 2,977,537.

Varona, Olivio B.: *See*—
Varona, Oscar B. and Olivio B. 3,000,269.

Varona, Oscar B. Semi-automatic and fuel-automatic operation of gas operated firearm with slidable barrel and slidable receiver. 3,000,266, 9–19–61, Cl. 89—140.

Varona, Oscar B. and Olivio B. Carbine stabilizer. 3,000,269, 9–19–61, Cl. 89—198.

Vartanian, Edwin S.: *See*—
Brown, Richard L., Morrow, and Vartanian. 3,014,304.

Vartanian, Perry H.: *See*—
Melchor, Jack L., and Vartanian. 2,982,909.

Vartanian, Richard D.: *See*—
Nemes, Joseph J., and Vartanian. 2,999,847.
Oros, Nocholas R., and Vartanian. 2,970,080.

Vartiainen, Aarne J., to Enso-Gutzelt Osakeyhtio. Impeller, propeller and the like for producing axial effect, particularly axial air flow. 3,014,534, 12–26–61, Cl. 170—159.

Varvaro, Henry R., to United States Rubber Co. Method of making polyurethane rubber articles. 3,004,939, 10–17–61, Cl. 260—22.

Varvel, Charles W., and D. P. Montgomery, to Phillips Petroleum Co. Deactivation of metallic poisons on used cracking catalysts. 2,977,322, 3–28–61, Cl. 252—411.

Vasan, Srini, and L. H. Cook. Separation of carbon dioxide from ammonia. 2,992,703, 7–18–61, Cl. 183—114.2.

Vasby, Oscar A. Freezers and dispensers. 2,972,239, 2–21–61, Cl. 62—342.

Vasco Industries Corp.: *See*—
Dekker, Adriaan. 2,999,032.
Engel, Thomas. 2,974,883.
Vaessen, Hubert J. 2,977,233.

Vasilevskis, Henry S., to Philco Corp. Magnetic beam-controlling means for cathode ray tubes. 2,972,074, 2–14–61, Cl. 313—84.

Vasilevskis, Henry S., to Philco Corp. Combined magnetic shielding and beam centering assembly for cathode-ray tubes or the like. 2,980,814, 4–18–61, Cl. 313—75.

Vassallo, Onofrio, F. La Marca, and B. M. Schaffer. Adjustable air vents and wind protector for infants' carriages. 3,011,824, 12–5–61, Cl. 296—102.

Vassar, Clyde W., to Mobile Pipe Corp. Mobile pipe-forming apparatus. 3,014,118, 12–19–61, Cl. 219—59.

Vassar, Forest D.: *See*—
Jackson, Clark E., and Vassar. 3,011,922.

Vassil, Theo N.: *See*—
Pearson, Howard, McDonough, and Vassil. 2,971,184.

Vassiliades, Sophocles J., and W. J. Homer. Apparatus for sterilizing footwear and removing odors and moisture therefrom. 2,977,647, 4–4–61, Cl. 21—122.

Vassiliev, Avenir: *See*—
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Vasta, Joseph A., to E. I. du Pont de Nemours and Co. Coating compositions. 2,967,162, 1–3–61, Cl. 260—21.

Vastano, Joseph J.: *See*—
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Vaszin, Aurel: *See*—
Paul, Mercer H. 2,992,472.

Vaterlaus, Bruno, G. Muller, and L. Velluz, to UCLAF. Dibenzo cycloheptadiene carboxylic acid compounds and process of making same. 2,988,568, 6–13–61, Cl. 260—471.

Vath, William H. Multi-purpose garden tool. 2,987,018, 6–6–61, Cl. 111—8.

Vatt, David E., E. C. Dyer, and W. L. Thompson, to The Gamewell Co. Wire insulation coloring apparatus. 2,981,225, 4–25–61, Cl. 118—65.

Vatterodt, Karl, to Patent-Treuhand-Gesellschaft fur Elektrische Gluhlampen m.b.H. Electric furnace for melting quartz. 2,998,469, 8–29–61, Cl. 13—22.

Vaucher, Maurice, and B. Jaoul, to Societe d'Equipements Industriels et Laitiers. Apparatus for treating fluid suspensions. 2,969,927, 1–31–61, Cl. 241—46.

Vaugh, Joseph C.: *See*—
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Lay, Clarence M. 2,983,296.

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Vaughan, Frank C., and M. D. Woodruff, to The Bauer Bros. Co. Attrition mill. 3,001,731, 9–26–61, Cl. 241—256.
Vaughan, George C. Tobacco bundling machine. 2,986,145, 5–30–61, Cl. 131—149.
Vaughan, Gerald L., and B. M. Drury, to Diamond National Corp. Spring pin woods feeder. 2,974,773, 3–14–61, Cl. 198—33.
Vaughan, Henry E., to Bell Telephone Laboratories, Inc. Telephone line circuit. 2,971,060, 2–7–61, Cl. 179—18.
Vaughan, Homer C. Method of establishing the relationship of components of an artificial dental arch or a natural dental arch and tool for use in such method. 3,002,277, 10–3–61, Cl. 32—40.
Vaughan, James L., to National Research Corp. Method of producing refractory metals. 2,967,102, 1–3–61, Cl. 75—84.1.
Vaughan, James R., Jr.: *See*—
Cohen, Elliott, and Vaughan. 2,976,289.
Vaughan, James R. M., to General Electric Co. Magnetron output coupler. 2,967,974, 1–10–61, Cl. 315—39.53.
Vaughan, Joseph B., to Lloyd Bros., Inc. Machine for making stabilized capsules. 2,975,752, 3–21–61, Cl. 118—13.
Vaughan, Leland M.: *See*—
Grinnell, Stuart W., Perkins, and Vaughan. 2,973,642.
Vaughan, Paul H.: *See*—
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Vaughan, Paul J., to The Goodyear Tire & Rubber Co. Laminated products. 2,998,341, 8–29–61, Cl. 154—124.
Vaughan, Paul J., to The Goodyear Tire & Rubber Co. Stretched laminated film. 3,003,903, 10–10–61, Cl. 154—50.
Vaughan, Paul S., to Alco Products, Inc. Multi-fuel supply system. 2,984,229, 5–16–61, Cl. 123—139.
Vaughan, Robert T., to Philco Corp. Controlled jet etching of semi-conductor units. 3,012,921, 12–12–61, Cl. 156—17.
Vaughan, Victro G. Thermal protectors for electrical translating devices. 2,967,269, 1–3–61, Cl. 318—221.
Vaughn, Charles H. Wire stretcher. 2,977,093, 3–28–61, Cl. 254—81.
Vaughn, Charles O., to Hunt Heater Corp. Food flavoring cartridge. 2,980,102, 4–18–61, Cl. 126—59.5.
Vaughn, Howard A., Jr.: *See*—
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Vaughn, Jack S., to Ingersoll-Rand Co. Socket retainer. 3,011,794, 12–5–61, Cl. 279—76.
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Vaughn Machinery Co., The: *See*—
Bittman, Jess C. 3,013,741.
Bittman, Jess C. 3,013,742.
Vaughn, Rudolph M. Improved screw driver. 2,994,354, 8–1–61, Cl. 145—50.
Vaughn, Sidney P. Sponge mop. 2,994,096, 8–1–61, Cl. 15—119.
Vaughn, Thomas H., and W. W. Wellman, to Colgate-Palmolive Co. Aerosol spectacle cleaner. 2,993,866, 7–25–61, Cl. 252—171.
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Floyd, Frederick K., Simons, Mahoney, and Vaughn. 2,994,418.
Vaughn, William A., to Monsanto Chemical Co. Multiple step continuous contacting of immiscible substances. 2,976,310, 3–21–61, Cl. 260—461.
Vaugoyeau, Alexandre. Suspension unit for vehicles. 2,993,707, 7–25–61, Cl. 280—124.
Vause, Clarence E. Deodorizer for toilet and the like. 2,970,322, 2–7–61, Cl. 4—229.
Vause, Clarence E. Toy structure. 2,993,298, 7–25–61, Cl. 46—83.
Vautier, Roger: *See*—
Guillaud, Charles L., and Vautier. 2,980,618.
Vayssiere, Pierre: *See*—
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Vdolek, Vladimir A., to The Bata Shoe Co. of Canada Ltd. Shoe pressing machine. 2,996,739, 8–22–61, Cl. 12—33.
Vdoviak, John W., to General Electric Co. Wide modulation range reheat fuel system. 2,975,589, 3–21–61, Cl. 60—35.6.
Vdoviak, John W., to General Electric Co. Fuel injector for a combustion chamber. 2,978,870, 4–11–61, Cl. 60—39.74.
Veach, Bobby E., to Universal Machine Co., Inc. Machines for manufacturing ice cream novelty products. 2,991,606, 7–11–61, Cl. 53—308.
Veal, Dean J.: *See*—
Osborn, Charles W., and Veal. 3,010,816.
Veal, Dean J., to Phillips Petroleum Co. Purification of hydrocarbons. 2,982,796, 5–2–61, Cl. 260—681.5.
Veatch, Franklin: *See*—
Foreman, Robert W., Szabo, and Veatch. 2,981,667.
Veatch, Franklin, and E. C. Milberger, to The Standard Oil Co. Fluid power transmission. 2,968,624, 1–17–61, Cl. 252—75.
Veatch, Franklin, H. E. Alford, and R. D. Croft, to The Standard Oil Co. Method of producing hollow glass spheres. 2,978,339, 4–4–61, Cl. 106—40.
Veatch, Franklin, H. E. Alford, and R. D. Croft, to The Standard Oil Co. Hollow glass particles and method of producing the same. 2,978,340, 4–4–61, Cl. 106—40.
Veazey, Marion H. Paint container. 2,983,938, 5–16–61, Cl. 15—121.3.

Vecchi, Alberto: *See*—
Melone, Gaetano, and Vecchi. 2,993,834.
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Wulc, Stanley S. 2,976,001.
Wulc, Stanley S. 2,984,457.
Veeder-Root Inc.: *See*—
Bliss, Harvey N. 2,969,175.
Graydon, Sterling, Jr. 2,979,259.
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Veenendaal, Hendrikes J.: *See*—
Van der Sanden, Hendrikus C. N., and Veenendaal. 3,005,266.
Veet Industries: *See*—
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Vegeby, Anders U. I., to Aktiebolaget Gotaverken. Combustion of waste liquors. 2,982,606, 5–2–61, Cl. 23—48.
Veiel, Ulrich, A. Prietzschk, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for biaxially stretching polymeric films. 3,007,204, 11–7–61, Cl. 18—48.
Veiliet, André. Reinforcement for ferro-concrete. 2,997,812, 8–29–61, Cl. 50—486.
Veit, Robert C.: *See*—
Dalgleish, John E. 2,976,679.
Veith, Karl M.: *See*—
Kallweit, Herbert, and Veith. 2,984,534.
Veith, Werner, and H.-D. Bartels, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Signal-storing electron beam tube. 2,983,841, 5–9–61, Cl. 315—12.
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Hilber, Helmut. 2,985,442.
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Ringold, Howard J., Djerassi, Bowers, and Velasco. 2,968,662.
Velavicius, Alfonsas, to General Motors Corp. Tail gate window regulator lock-out. 2,970,006, 1–31–61, Cl. 296—106.
Veldhuis, Albert C., to Wind Turbine Co. Tower support and lightning arrester. 2,993,081, 7–18–61, Cl. 174—2.
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Velia, Louis J., and S. L. Hardcastle, to Bridgeport Brass Co. Four-cord equalizer for Venetian blind lift cords. 3,011,236, 12–5–61, Cl. 24—129.
Vella, Luigi. Device for guiding the movement of the ring rail in spinning machines. 2,976,670, 3–28–61, Cl. 57—137.
Vella, Luigi. Device for the feeding of sliver in draw frames for cotton or other textile fibers. 2,997,749, 8–29–61, Cl. 19—157.
Vellaire, Clement D., to The Upjohn Co. Improved formulation of cycloheximide compositions and process for the control of blister rust and like fungal infections in trees. 3,014,840, 12–26–61, Cl. 167—33.
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Amiard, Gaston, Heymes, and Velluz. 2,991,307.
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Joly, Robert, Warnant, and Velluz. 2,970,155.
Vaterlaus, Bruno, Muller, and Velluz. 2,988,568.
Velluz, Leon, G. Muller, A. Allais, and J. Enezian, to Les Laboratoires Francais de Chimiotherapie. 11-dimethylamino-deserpidine. 2,985,659, 5–23–61, Cl. 260—287.
Velluz, Leon, and G. Muller, to Les Laboratoires Francais de Chimiotherapie. 17-desmethoxy-17-α-(N-acetyl-N-methylamino)-reserpine. 2,990,407, 6–27–61, Cl. 260—287.
Velluz, Leon, and G. Muller, to Les Laboratoires Francais de Chimiotherapie. Androstene-16-ones. 3,002,981, 10–3–61, Cl. 260—397.3.
Velonis, Anthony, to Ceragraphic, Inc. Special article stenciling device. 2,972,943, 2–28–61, Cl. 101—124.
Velonis, Anthony, to Ceragraphic, Inc. Attachment for stenciling articles of non-circular section. 2,987,992, 6–13–61, Cl. 101—126.
Velsicol Chemical Corp.: *See*—
Carlson, Arthur W. 2,967,125.
Goldman, Arthur, and Kleiman. 3,000,973.
Goldman, Arthur, and Richter. 2,986,491.
Kleiman, Morton, and Goldman. 3,000,974.
Levin, Alfred A., and Molotsky. 2,967,126.
Molotsky, Hyman M. 2,993,076.
Molotsky, Hyman M. 2,995,606.
Richter, Sidney B. 2,967,123.
Richter, Sidney B. 2,967,124.
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Richter, Sidney B. 2,972,563.
Richter, Sidney B. 2,992,968.
Richter, Sidney B. 3,012,870.
Richter, Sidney B. 3,012,871.
Richter, Sidney B. 3,012,872.
Richter, Sidney B. 3,012,873.
Richter, Sidney B. 3,013,050–062.
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Velten, Edward L.: *See*—
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Velten & Pulver Inc.: *See*—
Pulver, Willis C. 2,969,870.
Velter, John F. Cup dispenser. 3,011,679, 12-5-61, Cl. 221—63.
Veltfort, Theodore E., Jr., to Shand and Jurs Co. Function control system and apparatus. 2,992,366, 7-11-61, Cl. 317—137.
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Venable, John E.: *See*—
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Brumbaugh, Chester C., and Venable. 2,987,380.
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Venables, Herbert J., III, to General Electric Co. Manufacture of heat exchange tubing. 3,005,253, 10-24-61, Cl. 29—33.
Vendo Co., The: *See*—
Bookout, Floyd V., Hanson, and McBride. 2,980,224.
Delgado, Manuel M. 2,977,026.
Hunter, Charley W. 2,980,288.
Johnson, Elmer C., and Craven. 2,988,246.
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Joschko, Raymond C. 3,013,701.
Venediger, Herbert J. Blower or compressor of the multicell construction. 2,969,171, 1-24-61, Cl. 230—152.
Venediger, Herbert J., ½ to T. B. Danckwortt. Supercharged, port controlled opposed piston, two-cycle internal combustion engine. 2,985,157, 5-23-61, Cl. 123—51.
Veneko Corp., The: *See*—
Veneko, Leo J. 2,966,903.
Veneko, Leo J., to The Veneko Corp. Method of making a glass fiber bow. 2,966,903, 1-3-61, Cl. 124—23.
Venema, Albertus, and C. A. M. van den Broek, to North American Philips Co., Inc. Method of producing cavity-type dispenser cathode. 2,971,246, 2-14-61, Cl. 29—25.14.
Venema, Harry J., to General Electric Co. Synchronizing pulse clipper. 3,009,990, 11-21-61, Cl. 178—7.3.
Veneman, Carl C., to Thinline Mfg. Co. Adjustable furniture base. 3,014,682, 12-26-61, Cl. 248—161.
Venerus, Joseph C., to Steatite Research Corp. Dry process molding of hard ferrite powders. 2,984,871, 5-23-61, Cl. 18—59.3.
Vent, John G.: *See*—
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Levi, Ormonde S. 3,000,761.
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Hromoko, John, and Verdesca. 2,976,554.
Verdesca, Anthony F., to Ver-Sa-Parts Mfg. Corp. Tire attachments. 2,976,903, 3-28-61, Cl. 152—228.
Verdieck, Ralph G., and J. B. Bravo, to Foote Mineral Co. Manufacture of anhydrous lithium halide by direct halogenation of lithium hydroxide. 2,968,526, 1-17-61, Cl. 23—89.
Verdier, Andre L. Process for manufacturing binary mixtures of liquid substances with a pulverulent material. 2,999,762, 9-12-61, Cl. 106—309.
Verdol, Joseph A., and R. W. Walker, to Sinclair Refining Co. Conjugated dienes from tertiary ethers. 2,972,645, 2-21-61, Cl. 260—681.
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Vereinigte Aluminium-Werke Aktiengesellschaft: *See*—
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Möbius, Hans-Eberhard. 3,008,857.
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Hippe, Werner, Watzl, and Hagen. 2,973,341.
Indest, Heinz, Kleine, and Stohr. 2,978,438.
Jurgelelt, Wolfgang. 2,973,242.
Jurgelelt, Wolfgang. 2,989,358.
Kleekamm, Fritz, and Siggel. 2,988,866.
Kleekamm, Fritz, Siggel, and Rack. 3,009,231.
Kresslein, Albert. 2,973,126.
Macura, Karl, and Siggel. 2,974,066.
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Vereinigte Osterreichische Eisen-und Stahlwerke Aktiengesellschaft: *See*—
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Puxkandl, Peter. 3,000,621.
Rinesch, Rudolf. 3,005,628.
Rinesch, Rudolf, and Langer. 3,007,691.
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Veres, Edward W., to Arrow Tools, Inc. Sintered metal filter and method of making. 2,968,405, 1-17-61, Cl. 210—496.
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Csordas, Istvan, Lanyi, Veress, and Vissy. 2,982,614.
Verga, Frank A., and J. Ruffolo, to Martin-Marietta Corp. Split locking handle. 3,011,851, 12-5-61, Cl. 312—320.
Vergara, Ricardo H., to Ward La France Truck Corp. Swivel brace unit for doors of cargo containers and of trailer-truck bodies. 2,974,988, 3-14-61, Cl. 292—257.
Vergobbi, John G., to Pneumatic Scale Corp., Ltd. Container forming machine. 2,966,832, 1-3-61, Cl. 93—12.
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Vernon, Lonnie W., and J. T. Richardson, to Esso Research and Engineering Co. Desulforization with a modified molybdenum disulfide catalyst. 3,000,816, 9-19-61, Cl. 208—216.
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Ver Nooy, Burton, to T. D. Williamson, Inc. Pipe plug. 2,974,685, 3–14–61, Cl. 138—90.
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Verrinder, Ernest A., and E. J. McGrath, to Food Machinery and Chemical Corp. Apparatus for handling cases. 2,993,315, 7–25–61, Cl. 53—59.
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Vibber, Alfred W. Twisting spindle balloon control. 2,989,837, 6–27–61, Cl. 57—58.55.
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Vice, Charles L., W. E. Dunn, and T. A. Fowler, to Minnesota Mining and Mfg. Co. Capstan idler assembly. 2,998,906, 9–5–61, Cl. 226—187.
Vicenzi, Reno L., and F. F. Heiser, to Controls Co. of America. Control device. 2,969,077, 1–24–61, Cl. 137—66.
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Vickery, John, to Power Jets (Research & Development) Ltd. Liquid fuel vaporizing combustion systems. 2,982,098, 5–2–61, Cl. 60—39.71.
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Vierling, Donald E. Phenothiazine animal feed composition. 3,005,753, 10–24–61, Cl. 167—53.
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Vigmostad, Trygve, to Mount Clemens Metal Products Co. Brake lever assembly. 2,986,046, 5–30–61, Cl. 74—540.
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Vigren, Sten D., W. O. W. Broberg, and R. A. Zander. Electric control magnets. 2,982,833, 5–2–61, Cl. 200—104.
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Villani, Antonio, and J. W. Rankin, to Draper Corp. Shuttle and threading block. 2,990,856, 7–4–61, Cl. 139—223.
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Wood, Charles P., Jr. 2,986,898.
Vinal, Albert W., to International Business Machines Corp. Binary memory system. 2,988,732, 6–13–61, Cl. 340—174.
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Vincent, Bertram J. Apparatus for boring fishing holes in ice. 2,982,364, 5–2–61, Cl. 175—18.
Vincent, Daniel B. Fluid extracting apparatus. 3,003,412, 10–10–61, Cl. 100—117.
Vincent, David A., to Typha Products, Inc. Method of treating and planting cattail seeds. 2,984,940, 5–23–61; Cl. 47—58.
Vincent, Dudley J. Rocking device for bassinet. 2,972,152, 2–21–61, Cl. 5—109.
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Vincent, Renic P., and L. B. Wilder, to Pan American Petroleum Corp. Percussion drilling apparatus. 3,012,540, 12–12–61, Cl. 121—28.
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Vinson, Marvin M. Door dolly and jack. 2,967,627, 1–10–61, Cl. 214—1.
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Nielsen, Olaf, Viola, and Kent. 2,980,377.
Viola, Gilbert A.: *See*—
O'Kain, Dennis B., and Viola. 3,004,815.
Viola, Joseph V.: *See*—
Nielsen, Olaf, Viola, and Kent. 2,980,377.
Violano, Vincent, and S. Germansky. Foundation soles of shoes. 2,970,391, 2–7–61, Cl. 36—17.
Viout, André: *See*—
Kalopissis, Gregoire, and Viout. 2,976,215.
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Semmelroth, Albert N. 2,989,356.
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Virden, John C., Co.: *See*—
Moser, Carl M. 2,972,676.
Viret, Robert: *See*—
Mottu, Andre, and Viret. 2,986,021.
Mottu, André, and Viret. 3,012,452.
Mottu, André, and Viret. 3,012,453.
Virgil, Richard, to Templon Spinning Mills, Inc. Method and apparatus for treating acrylic fibers. 2,976,578, 3–28–61, Cl. 19—37.
Virginia-Carolina Chemical Corp.: *See*—
Boyer, William P., Mangham, and Melton. 2,968,670.
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Melton, Thomas M., Matthews, and O'Connor. 2,979,478.
Melton, Thomas M., Matthews, and O'Connor. 2,990,421.
Smithey, William R., Jr. 3,004,054.
Vischer, Alfred, Jr. Vapor separator. 2,971,606, 2–14–61, Cl. 183—41.
Vischer, Alfred, Jr. Vending machine. 3,000,408, 9–19–61, Cl. 141—174.
Vischer, Ernst: *See*—
Gaeumann, Ernst, Prelog, and Vischer. 3,014,922.
Wettstein, Albert, and Vischer. 2,972,568.
Wettstein, Albert, Vischer, and Bickel. 3,000,786.
Wettstein, Albert, Vischer, and Meystre. 2,969,304.
Wettstein, Albert, Vischer, and Meystre. 2,969,305.
Wettstein, Albert, Vischer, and Meystre. 3,000,884.
Vischulis, George, to Miehle-Goss-Dexter, Inc. Floating roller mounting for web tension control systems. 2,984,430, 5–16–61, Cl. 242—75.42.
Vischulis, George, to Miehle-Goss-Dexter, Inc. Web tensioning system. 3,006,571, 10–31–61, Cl. 252—75.42.
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Kirkpatrick, Willard H., Seale, and Law. 2,071,965.
Kirkpatrick, Willard H., Seale, and Walker. 3,004,924.
Kirkpatrick, Willard H., Seale, Walker, and Love. 2,987,490.
Walker, Alice, Seale, and Kirkpatrick. 2,971,923.
Viscolosi, Louis A. Eviscerating machine. 2,975,469. 3–21–61, Cl. 17—11.
Visnaw, Kenneth, to Bettendorf Bakery Equipment Co. Sharpener for endless band blade bread slicing machine. 2,978,849, 4–11–61, Cl. 51—247.
Visos, Charles D., to Knapp-Monarch Co. Rheostat control for a window fan. 2,975,388, 3–14–61, Cl. 338—116.
Visos, Charles D., to Knapp-Monarch Co. Heating element for toaster. 3,002,075, 9–26–61, Cl. 219—19.
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Hanlet, Jacques M. N. 3,011,247.
Visser, Jacob, to Lear, Inc. Combination braking and steering means for aircraft. 2,992,797, 7–18–61, Cl. 244—86.
Vissers, Herbert, to Landbouwwerktuigen-en Machinefabriek H. Vissers N.V. Apparatus for bruising and comminuting green fodder. 2,970,626, 2–7–61, Cl. 146—186.
Vissing, Ellinn D. Lens cover. 2,972,190, 2–21–61, Cl. 33—50.
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Vistain, James E., Jr., to Admiral Corp. Automatic record player. 2,983,515, 5–9–61, Cl. 274—10.
Vistain, James E., Jr., to Admiral Corp. Record player speed control. 2,989,311, 6–20–61, Cl. 274—9.
Vistain, James E., Jr., to Admiral Corp. Automatic record player. 2,989,312, 6–20–61, Cl. 274—10.
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Vitale, Anna. Portable drying rack. 2,977,001, 3–28–61. Cl. 211—113.
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Pancrazio, Guido, and Vitali. 2,995,495.
Vitamins Ltd.: *See*—
Green, Joseph, and Marcinkiewicz. 2,992,235.
Green, Joseph, McHale, and Namalis. 2,976,288.
Green, Joseph, Price, and Edwin. 3,006,932.
Watt, Peter R. 2,975,108.
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Vitek, John P. Home bowling trainer. 2,984,019, 5–16–61, Cl. 35—29.
Vitello, Charles C., to Rockwell Mfg. Co. Fluid meters. 3,011,344, 12–5–61, Cl. 73—281.
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Vitense, Harold R., D. E. Wobbe, and R. M. Weygant, to American Can Co. Cutoff mechanism for partially slit tubular can bodies. 2,984,138, 5–16–61, Cl. 83—310.
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Vitiello, Ralph. Inter-locking shelving bracket. 2,991,038, 7–4–61, Cl. 248—243.
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Duncan, Larry K., and Peltier. 2,995,420.
Fahnoe, Frederick, and Cervi. 3,008,987.
Fahnoe, Frederick, and Shyne. 2,994,654.
Griffith, Cecil B., Andreae, and Glasser. 3,009,808.
Komarewsky, Vasili I. 3,009,871.
Riblet, Henry B. 2,985,499.
Scheible, Howard G. 2,982,707.
Tralongo, Sebastian J. 2,989,024.
Tyler, Kingdon S. 2,995,062.
Vittone, Joseph C., to European Motor Products, Inc. Springbar assembly for swing-axle automobiles. 2,992,835, 7–18–61, Cl. 280—124.
Vittorelli, Sergio, to Pirelli S.p.A. Pneumatic vehicle wheel tires. 2,984,282, 5–16–61, Cl. 152—361.
Vittorelli, Sergio, to Pirelli S.p.A. Pneumatic tires having carcass plies with mutually different extensibility characteristics. 2,990,870, 7–4–61, Cl. 152—356.
Vittum, Paul W., and A. Weissberger, to Eastman Kodak Co. Cyan color former for color photography. 3,002,836, 10–3–61, Cl. 96—55.
Viverette, Jasper D. Power driven chain cutter lawn mower. 3,006,126, 10–31–61, Cl. 56—25.
Vivian, Harold F., and M. Salo, to Eastman Kodak Co. Cellulose acetate butyrate gasket. 3,001,883, 9–26–61, Cl. 106—162.
Vivian, Johnson E.: *See*—
Beattie, Robert D., and Vivian. 2,982,620.
Vivian, William E. D.: *See*—
Hiscock, George H., and Vivian. 2,978,869.
Vivolo, Michael D. Eye-shields. 2,968,812, 1–24–61, Cl. 2—12.
Vixler, Leslie F., to The Patrol Valve Co. Vitreous lined water tanks with sacrificial anodes. 3,012,958, 12–12–61, Cl. 204—197.
Vizard, William C., to Barbour Welting Co. Shoe welting. 2,996,815, 8–22–61, Cl. 36—78.
Vize, James F., to General Electric Co. Bistable electro-optical network. 2,997,596, 8–22–61, Cl. 250—209.
Vlachos, Constantinos H. Combined motor and pump. 3,008,419. 11–14–61, Cl. 103—3.
Vlachos, James N., to Socony Mobil Oil Co., Inc. Modified vapor inlet distributor. 3,007,779. 11–7–61. Cl. 23—288.
Vlannes, Peppino N., and S. W. Strauss. Cadmium electroplating and plating baths therefor. 2,990,344, 6–27–61, Cl. 204—50.
Vlasak, Floyd J.: *See*—
Danaczko, John, Jr., and Vlasak. 2,971,369.
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Vlier, Blaine H., Jr., 60% to Gordon M. Genge & Co., Inc. Electrostatic particle separating apparatus. 2,979,158, 4–11–61, Cl. 183—7.
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Vocht, Martin R., to Minneapolis-Honeywell Regulator Co. Method of filling and encapsulating electrical elements. 2,983,964, 5–16–61, Cl. 18—59.
Vockenhuber, Karl: *See*—
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Malek, Georg. 2,981,145.
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Romand, Jacques L., and Vodar. 2,980,798.
Vodar, Boris, to Centre National de la Recherche Scientifique. Film resistors and methods of manufacture. 2,994,847, 8–1–61, Cl. 338—308.
Voegeli, Wendelin L., to Allis-Chalmers Mfg. Co. Implement connection for tractors. 2,996,126, 8–15–61, Cl. 172—272.
Voegtlen, Dieter, to Siemens and Halske Aktiengesellschaft. Circuit ambiguity testing apparatus. 2,978,641, 4–4–61, Cl. 324—158.
Voegtlen, Dieter, to Siemens and Halske Aktiengesellschaft, Berlin and Munich. Circuit ambiguity testing system. 2,997,646, 8–22–61, Cl. 324—28.
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Voeks, John F., and T. G. Traylor, to The Dow Chemical Co. Continuous polymerization of N-vinyl lactams. 2,982,762, 5–2–61, Cl. 260—88.3.
Voelker, Delbert M. Pneumatic fruit harvester. 2,996,868, 8–22–61, Cl. 56—328.

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Voelcker, Herbert B., Jr., to United States of America, Army. Positive feedback electronic integrator and differentiator circuits. 2,969,183, 1–24–61, Cl. 235—183.

Voelz, Richard F.: *See*—
Renner, George O., and Voelz. 2,984,028.

Voemel, Wolfgang: *See*—
Achelis, Johann D., Haack, Gall, Heerdt, and Voemel. 2,988,547.

Voet, Anne Chr. H. G. N.: *See*—
Tiktak, Willem K., and Voet. 3,007,797.

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Voge, Hervey H., and C. R. Adams, to Shell Oil Co. Dehydrogenation in the presence of oxygen and bismuth phosphate. 2,991,321, 7–4–61, Cl. 260—680.

Vogel, Alfred M.: *See*—
Newman, Douglas A., Schlotzhauer, Vogel, Albert, and Quattrone. 2,967,784.

Vogel, Arthur E., ¼ to Dawson-Vogel Engineering Co., ¼ to W. H. F. Schmieding, and ¼ to P. Fultz. Fluid pressure spring for vehicle suspension and control apparatus therefor. 2,992,836, 7–18–61, Cl. 280—124.

Vogel, Charles B., and D. Welser, to Shell Oil Co. Method and apparatus for investigating earth formations. 2,974,273, 3–7–61, Cl. 324—1.

Vogel, Clarence E., to Minneapolis-Honeywell Regulator Co. Interrelated manual and autopilot servosystem. 2,971,144, 2–7–61, Cl. 318—489.

Vogel, Fred J., and E. J. Adolphson, to Allis-Chalmers Mfg. Co. Corona detector. 2,996,664, 8–15–61, Cl. 324—54.

Vogel, Harold A., to No-Sag Spring Co. Furniture clamp. 3,011,227, 12–5–61, Cl. 20—92.

Vogel, Heinz G., to Kortenbach & Rauh Kommanditgesellschaft. Umbrella stick. 2,989,968, 6–27–61, Cl. 135—46.

Vogel, Helmut, M. Hartmann, and H. Spitzner, to Schering A.G. Jet mills and the like. 3,005,594, 10–24–61, Cl. 241—39.

Vogel, Henry A.: *See*—
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Vogel, John V., to Shell Oil Co. Metering apparatus. 2,971,377, 2–14–61, Cl. 73—224.

Vogel, Norman A.: *See*—
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Vogel, Norman A., and W. W. Woodbury, to International Business Machines Corp. Positioning device. 2,982,381, 5–2–61, Cl. 192—.098.

Vogel, Oliver J., Jr., and R. B. Wheeler, to United States of America, Army. Fire bomb fuze. 2,984,185, 5–16–61, Cl. 102—76.

Vogel, Ralph A., Jr., and G. C. Pulling, to Essex Wire Corp. Injection molding machine. 2,983,956, 5–16–61, Cl. 18—30.

Vogel Tool & Die Corp.: *See*—
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Vogelfanger, Isaac J. Surgical ligator and cutter. 3,006,344, 10–31–61, Cl. 128—318.

Vogeli, Harry E., to Salem-Brosius, Inc., Fluid cooled furnace structure. 2,976,854, 3–28–61, Cl. 122—6.

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Vogelsberg, Walter H., to I-T-E Circuit Breaker Co. Panel board. 3,005,934, 10–24–61, Cl. 317—119.

Vogelsong, James H., to Bell Telephone Laboratories, Inc. Transistor amplifier circuit with feedback control means. 3,011,066, 11–28–61, Cl. 307—88.5.

Voges, Robert W., and O. E. Mowery, to The G. M. Diehl Machine Works, Inc. Power operated adjustment for moulders. 2,971,547, 2–14–61, Cl. 144—242.

Voght, William A. Furnace roof construction. 2,975,734, 3–21–61, Cl. 110—99.

Vogl, Alexander J. and H. W., to Wilton Tool Mfg. Co., Inc. Universal turret vises. 3,007,358, 11–7–61, Cl. 269—78.

Vogl, Hugh W.: *See*—
Vogl, Alexander J. and H. W. 3,007,358.

Vogl, Norbert G., Jr., to International Business Machines Corp. Apparatus employing solid state components. 2,971,181, 2–7–61, Cl. 340—174.

Vogl, Otto F. L.: *See*—
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Vogl, Paul. Coin dispenser for automotive vehicles. 2,986,148, 5–30–61, Cl. 133—1.

Vögler, Hans, to Sulzer Freres, S.A. Method and apparatus for controlling the outlet temperatures of superheaters and reheaters of a steam generating plant. 2,966,896, 1–3–61, Cl. 122—1.

Vogler, Hans, to Sulzer Freres, Societe Anonyme. System for starting forced flow steam generators including a plurality of resuperheaters. 2,967,397, 1–10–61, Cl. 60—73.

Vogler, Seymour, and M. Beederman, to United States of America, Atomic Energy Commission. Uranium decontamination with respect to zirconium. 2,982,600, 5–2–61, Cl. 23—14.5.

Vogt, Calvin O.: *See*—
Dimond, Thomas L., Pruden, and Vogt. 2,996,704.

Vogt, Clarence W. Method for forming and filling packages. 2,974,452, 3–14–61, Cl. 53—24.

Vogt, Clarence W. Method and apparatus for filling gusseted containers. 2,976,654, 3–28–61, Cl. 53—37.

Vogt, Clarence W. Method and equipment for filling open mouth receptacles with pulverulent material. 2,981,298, 4–25–61, Cl. 141—5.

Vogt, Clarence W. Blowing head for packaging apparatus. 2,985,340, 5–23–61, Cl. 222—189.

Vogt, Clarence W. Apparatus for forming and filling packages. 3,002,325, 10–3–61, Cl. 53—124.

Vogt, George H., to General Electric Co. Collector lead arrangement for gas-filled generator. 2,994,797, 8–1–61, Cl. 310—232.

Vogt, Gunther A. Crystal ovens. 3,002,117, 9–26–61, Cl. 310—9.

Vogt, Hans: *See*—
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Vogt, Hans. Alkaline storage battery. 2,991,324, 7–4–61, Cl. 136—13.

Vogt, Jakob F. J., and J. H. Latzen, to A. Ehrenreich & Cie. Ball joint, especially for the steering suspension of motor vehicles. 2,973,980, 3–7–61, Cl. 287—87.

Vogt, Josef, to J. R. Geigy, A.-G. Filter press. 3,002,626, 10–3–61, Cl. 210—228.

Vogt, Kenneth S.: *See*—
Manahan, Max J., and Vogt. 2,981,870.

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Stayton, Robert D., Lowry, and Vogt. 2,978,085.

Vogt, Lindbergh C., to General Motors Corp. Electrical control circuits applicable to vehicle heating and air conditioning. 2,989,646, 6–20–61, Cl. 307—38.

Vogt, Louis E., F. J. Decker, and M. H. Gregg. Hydraulic operated fog nozzle. 2,984,422, 5–16–61, Cl. 239—456.

Vogt, Ludwig, to Ruhrchemie Aktiengesellschaft. Device for the fluid flow connecting of stationary conduits and portable fluid containers such as tank cars. 2,979,087, 4–11–61, Cl. 141—113.

Vogt, Ralph D.: *See*—
Raffensperger, Stanley P., and Vogt. 3,005,715.

Vogt, Richard, to Curtiss-Wright Corp. Water ski scooter. 2,969,037, 1–24–61, Cl. 115—70.

Vogt, Richard, to United States of America, War. Linking airplanes and wings of airplanes. 2,969,933, 1–31–61, Cl. 244—2.

Vogt, Richard, to Curtiss-Wright Corp. Aircraft with a tiltable rotor system. 2,987,272, 6–6–61, Cl. 244—17.23.

Vogt, Rudolph B., to The E. W. Buschman Co. Roller wheel lubrication. 2,976,089, 3–21–61, Cl. 308—187.

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Vögtlin, Karl, and N. Helmschrott, to Firma Kienzle Apparate G.m.b.H. Tachograph for automotive vehicles. 3,013,854, 12–19–61, Cl. 346—18.

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Lehmann, Rudolf, Wiemer, and Voigt. 2,981,094.

Voigt, Jacob J., Jr.: *See*—
Post, Ernest K., and Voigt. 2,993,988.

Voigt, Jan L., to N.V. Onderzoekingsinstituut Research. Molding material comprising a polyamide and a nitrile of a higher fatty acid, and process of making. 2,976,258, 3–21–61, Cl. 260—32.4.

Voigt, Jan L., to N.V. Onderzoekingsinstituut Research. Plastics molding materials and processes. 2,982,744, 5–2–61, Cl. 260—18.

Voigt, Jan L., to N.V. Onderzoekingsinstituut Research. Process of molding a mixture of at least two fiber forming linear condensation products, at least one of which products contains a high temperature thickening agent. 2,996,474, 8–15–61, Cl. 260—42.

Voigt, Jan L., to N.V. Onderzoekings-Instituut Research. Plastics molding process and the resulting products. 3,008,908, 11–14–61, Cl. 260—18.

Voigt, John E.: *See*—
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Voigt, John E., R. J. Horst, and E. A. Sowell, to Anheuser-Busch, Inc. Process for preparing a thick-thick boiling starch derivative. 2,977,357, 3–28–61, Cl. 260—233.3.

Voigt, Robert H. Engine control circuit and switch mechanism. 2,988,079, 6–13–61, Cl. 123—179.

Voigt, Wilfried, to Lonza Electric and Chemical Works Ltd. Apparatus for extruding thermoplastic tubes. 3,008,186, 11–14–61, Cl. 18—14.

Voigt, Wilfried, to Lonza Electric and Chemical Works Ltd. Extrusion arrangement for producing foils. 3,009,200, 11–21–61, Cl. 18—14.

Voigt, Wilfried, and H. Holch, to Lonza Electric and Chemical Works Ltd. Apparatus for continuous flattening of an extruded tube. 3,002,430, 10–3–61, Cl. 93—1.

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Papke, Friedrich. 2,995,971.
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Zillmer, Erich. 3,013,353.

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Voigtman, Edward H., H. F. Donnelly, and C. A. Lamb, to Kimberly-Clark Corp. Method of creping tissue and product thereof. 2,996,424, 8–15–61, Cl. 162—112.

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Volsard, Walter B., to McCauley Industrial Corp. Controllable pitch propeller. 2,974,730, 3–14–61, Cl. 170—160.32.

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Holman, Rudolph G. 2,995,311.
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Volavsek, Frank. Litter or stretcher. 3,013,282, 12–19–61, Cl. 5—82.

Volckers, Peter, to Zigarettenfabrik Haus Neverburg K.G. Method and apparatus for feeding cut tobacco simultaneously to several cigarette making machines. 2,983,275, 5–9–61, Cl. 131—21.

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Volk, Emil A., Jr., to The Bendix Corp. Starting system having a gas generator. 2,994,194, 8–1–61, Cl. 60—39.14.

Volk, Emil A., Jr., and H. Troeger, to The Bendix Corp. Starter and accessory drive. 2,972,911, 2–28–61, Cl. 74—810.

Volk, Heinrich, and A. Dechant, to Man. Maschinenfabrik Augsburg-Nurnberg AG. Transport carriage for vehicles. 2,970,549, 2–7–61, Cl. 104—50.

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Volker, John F., to Edwin L. Wiegand Co. Electric immersion heater. 2,977,454, 3–28–61, Cl. 219—38.

Volker, Theodor, and H. Zima, to Rohm & Haas G.m.b.H. Extraction of precisions metal compounds from an aqueous solution. 3,006,756, 10–31–61, Cl. 75—118.

Völkerling, Gerhard, A. Eckstein, and G. Schmidt, to Licentia Patent-Verwaltungs-G.m.b.H. Combination flashlight and battery recharging unit. 2,982,849, 5–2–61, Cl. 240—10.65.

Volkers, Walter K. Coupling network for split transducers. 2,968,717, 1–17–61, Cl. 250—20.

Volkers, Walter K. Noise separator to improve signal-to-noise ratio. 2,968,768, 1–17–61, Cl. 330—124.

Volkhausen, Clemens, to Schloemann Aktiengesellschaft. Multi-roll stand for rolling mills. 3,003,373, 10–10–61, Cl. 80—38.

Vollans, Maurice H. Clamping tool. 2,980,913, 4–25–61, Cl. 1—260.

Vollmer, David W.: *See*—
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Vollmer, James, to Minneapolis-Honeywell Regulator Co. Measuring apparatus. 2,984,148, 5–16–61, Cl. 88—14.

Voloshin, Milton L. Glass pendant ornaments. 3,014,299, 12–26–61, Cl. 41—10.

Volossevich, George, to C.A.V. Ltd. Liquid fuel pumps for internal combustion engines. 3,000,318, 9–19–61, Cl. 103—38.

Volossevich, George, to C.A.V. Ltd. Driving means for a liquid fuel injection pump. 3,000,484, 9–19–61, Cl. 192—104.

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Volpin, Alexander S. Automatic lubricant-sealed plug valve. 2,999,510, 9–12–61, Cl. 137—246.12.

Volpin, Alexander S. Pressure sealed valve. 3,013,769, 12–19–61, Cl. 251—174.

Voltaire, Paul, and D. N. Mends, to The Barden Corp. Groove wobble and eccentricity gauge. 2,969,598, 1–31–61, Cl. 33—174.

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Häusermann, Heinrich, and Voltz. 3,014,041.

Voltz, Sterling E., to Sun Oil Co. Preparation of viscous polymers. 2,980,744, 4–18–61, Cl. 260—683.15.

Voltz, Sterling E., and S. W. Weller, to Houdry Process Corp. Preparation of vinyl aromatic compounds. 2,967,202, 1–3–61, Cl. 260—578.

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Volz, Charles D., to United States of America, Interior. Fish guidance direct current switching devices. 2,991,421, 7–4–61, Cl. 328—62.

Vom Lehn, Herman, and A. J. Shest, to The Singer Mfg. Co. Sewing machine needle with cooling characteristics. 3,005,428, 10–24–61, Cl. 112—222.

Von, Isaiah: *See*—
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Kaplan, Earl, and Von. 2,970,880.

Von, Isaiah, and W. B. Hardy, to American Cyanamid Co. Benzanthrone anthraquinone acridines as dyestuffs. 2,993,901, 7–25–61, Cl. 260—274.

Von Ardenne, Manfred, to VEB Vakutronik. Ion getter pump. 2,973,134, 2–28–61, Cl. 230—69.

Von Ardenne, Manfred, to VEB Vakutronik Dresden. Ion source. 2,975,277, 3–14–61, Cl. 250—41.9.

Von Ardenne, Manfred, to VEB Vakutronik Dresden. Process and device for the addition of slow electrons to polyatomic or high-molecular compounds. 2,978,580, 4–4–61, Cl. 250—41.9.

Von Beckh Widmanstetter, Haraldo J. A. Multi-directional anti-G device. 2,985,413, 5–23–61, Cl. 244—140.

Von Berg, Richard E.: *See*—
Pfeifer, Arthur A., de Mocskonyi, and Von Berg. 2,968,933.

Von Bogdany, Ludwig A.: *See*—
Graef, Rudolf F., and von Bogdany. 2,977,217.

Von Bomhard, Franz J., to Fichtel & Sachs A.G. Automotive clutch control system. 2,974,765, 3–14–61, Cl. 192—3.5.

Von Bomhard, Franz J., to Fichtel & Sachs A.G. Control mechanism for the automatically actuated clutch of an internal combustion engine. 2,982,383, 5–2–61, Cl. 192—3.5.

Von Braun, Wernher, to United States of America, Army. Rocket-propelled missile. 2,967,393, 1–10–61, Cl. 60—35.6.

Von Canon, John B., Jr. Bunk bed ladder guard and bracket structure. 3,008,534, 11–14–61, Cl. 182—106.

Von Cullin, Raymond P.: *See*—
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Von Den Baumen, Arnold G. R., to Hollan-Electro C.V. Detachable junction between the ends of two suction cleaner tubes. 2,973,972, 3–7–61, Cl. 285—7.

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Vonder Esch, Albert H., to Thiokol Chemical Corp. Proportional coolant flow thrust chamber. 2,975,590, 3–21–61, Cl. 60—35.6.

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Von Gronow, Harald E., G. Gutperle, and O. Hager. Method of manufacturing light-weight, porous acid slag. 2,977,721, 4–4–61, Cl. 49—77.5.

Von Gunten, Fritz, to Ed. Kummer, A.G. Calendar timepiece. 2,986,869, 6–6–61, Cl. 58—58.

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Von Hortenau, Hans A., to Elgeet Optical Co., Inc. Combination exposure meter and lens. 2,995,070, 8–8–61, Cl. 95—10.

Von Koenig, Emanuel. Variable interval timer. 2,985,764, 5–23–61, Cl. 250—219.

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Von Kotschubey, Nikolaus, to Landis & Gyr, A.G. Apparatus and method of registering the indication of a counting mechanism. 2,987,365, 6–6–61, Cl. 346—14.
Von Kummer, Ferdinand G., and P. F. Stanley, to Royal McBee Corp. Data processing system. 2,995,231, 8–8–61, Cl. 197—20.
Von Kutepow, Nikolaus: *See*—
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Von Radics, Max. Transmission driven backup alarm. 2,979,020, 4–11–61, Cl. 116—57.
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Von Rosenberg, Guido, and W. Brotz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Molten composition comprising polyvinyl ester and octadecanediol; and process for making same. 3,004,948, 10–17–61, Cl. 260—33.4.
Von Saurma, Friedrich G. Inflatable-wing rocopter. 2,969,211, 1–24–61, Cl. 244—138.
Von Schickh, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of omega,omega'-diaminoalkanes. 2,969,396, 1–24–61, Cl. 260—585.
Von Schickh, Otto, and H. Metzger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the continuous production of hydrochlorides of cycloaliphatic ketoximes. 2,985,572, 5–23–61, Cl. 204—158.
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Von Wimmersperg, Heinrich F. Camera. 3,012,489, 12–12–61, Cl. 95—31.
Von Zborowski, Helmut Ph. G. A. R. Annular wing flying machines. 2,971,724, 2–14–61, Cl. 244—12.
Von Zborowski, Helmut Ph. G. A. R. Aircraft having a detachable cabin. 2,977,080, 3–28–61, Cl. 244—140.
Von Zelewsky, Ottomar, to Georg Fischer Aktiengesellschaft. Methods of and apparatus for machining of workpieces by means of copying machine tools. 2,978,939, 4–11–61, Cl. 82—14.
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Voorheis, James T. Adjustable air register for oil or gas burners. 2,984,296, 5–16–61, Cl. 158—1.5.
Voorhies, Alexis, Jr., E. W. S. Nicholson, and W. W. Boisture, to Esso Research and Engineering Co. Regenerator for fluid hydroforming. 2,989,382, 6–20–61, Cl. 23—288.
Voorlas, Peter H. Electrical control rheostat. 2,988,720, 6–13–61, Cl. 338—108.
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Vordahl, Milton B., to Crucible Steel Co. of America. Wrought titanium base alpha-beta alloys of high creep strength and processing thereof. 2,968,586, 1–17–61, Cl. 148—133.
Vordahl, Milton B., to Crucible Steel Co. of America. Mixed phase, alpha-beta titanium alloys and method for making same. 2,974,076, 3–7–61, Cl. 148—2.7.
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Vorkauf, Heinrich. Steam generator. 2,988,063, 6–13–61, Cl. 122—336.
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Vose, John K., and G. Willoner, to Metropolitan-Vickers Electrical Co. Ltd. Cooling of flame proof motors. 2,991,377, 7–4–61, Cl. 310—61.
Vose, Richard S. Process for effecting the propulsion of rocket and jet engines. 3,000,174, 9–19–61, Cl. 60—35.4.
Vose, Robert W., to Moore Drop Forging Co. Nut-retaining socket wrench. 3,005,367, 10–24–61, Cl. 81—125.
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Voss, Gustav, to Siemens and Halske Aktiengesellschaft Berlin and Munich. Voltage control system. 2,987,654, 6–6–61, Cl. 317—157.
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Voss, Leslie A. Trailer and pallet loading device. 2,990,967, 7–4–61, Cl. 214—515
Voss, Ned A., and W. F. Kaufmann, Jr., to United States of America, Army. Connector for point initiating to base detonating projectile. 2,987,000, 6–6–61, Cl. 102—70.
Voss, William J., to Edwin L. Wiegand Co. Heater assembly. 2,987,599, 6–6–61, Cl. 219—19.
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Vreeland, Cornelius D., III. Sickle and mower knife sharpener attachment for electric drills. 2,971,299, 2–14–61, Cl. 51—173.
Vreeland, Cornelius D., III. Sickle and mower knife sharpening support. 3,001,339, 9–26–61, Cl. 51—222.
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Vulmiere, Jacques C. and H. (nee Grangaud), and M. Fourestier, to Centre National de la Recherche Scientifique. Devices for increasing luminosity. 2,977,497, 3–28–61, Cl. 313—112.
Vuncannon, Sam H. Pivoted vent type window and operating mechanism therefor. 2,974,763, 3–14–61, Cl. 189—62.
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Waas, Samuel M., and W. G. Lippert, to Manley, Inc. Conversion unit for popcorn machines. 2,972,292, 2–21–61, Cl. 99—238.4.
Waber, James W. Pressure relieving closure. 3,011,671, 12–5–61, Cl. 215—40.
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Walander, Karl O. T.: *See*—
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Walberg, Maynard E., to Allis-Chalmers Mfg. Co. Locking and balancing folding implement frame. 2,974,738, 3-14-61, Cl. 172—568.
Walbolt, Gerald A., to L-O-F Glasa Fibers Co. Continuous fiber gathering device. 2,972,370, 2-21-61, Cl. 154—1.7.
Walbora, Arthur L. Spreader for attachment to vehicle bodies. 3,000,641, 9-19-61, Cl. 275—2.
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Wald, John R., Co., Inc.: *See*—
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Wald, John R., Jr., R. W. Wilson, and R. B. Bagshaw, to Wald Industries, Inc. Spray coating apparatus. 3,009,439, 11-21-61, Cl. 118—324.
Wald, Joseph, to Templewood Hawksley Ltd. Rotary agglomerating presses. 2,984,192, 5-16-61, Cl. 107—14.
Wald, Milton M., to Shell Oil Co. Hydrocarbon conversion process. 3,000,987, 9-19-61, Cl. 260—673.5.
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Walden, Carl R., to Air Control Products, Inc. Locking mechanism for awning windows. 2,997,754, 8-29-61, Cl. 20—42.
Walden, Ernest J., to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,988,876, 6-20-61, Cl. 60—35.6.
Walden, Ernest J., to Phillips Petroleum Co. Ignition of solid rocket propellants. 2,990,683, 7-4-61, Cl. 60—35.6.
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Wurzel, Hugo. 2,982,165.
Waldhauer, Frederick D., to Radio Corp. of America. Tape recorder. 2,974,891, 3-14-61, Cl. 242—55.12.
Waldhauer, Frederick D., to Radio Corp. of America. Transistor tone control feedback circuit. 2,994,040, 7-25-61, Cl. 330—28.
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Locke, Frank W., and Dahle. 2,988,260.
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Tolaas, William M. 3,014,578.
Zastrow, Harold G. 2,997,223.
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Waldow, Sheldon M., to The Bendix Corp. Flight path programming system. 2,989,270, 6-20-61, Cl. 244—14.
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Walens, Henry A., and M. E. Wall, to United States of America, Agriculture. 21-acetoxy-11β, 12β-epoxy-5α-pregnan-3,20-dione and process. 3,012,027, 12-5-61, Cl. 260—239.55.
Wales, Donald A., to Maico Electronics, Inc. Magnetic field sensing device. 2,974,277, 3-7-61, Cl. 324—43.
Wales, Fred A. Tea cozy. 2,971,687, 2-14-61, Cl. 229—14.
Wales, Nathaniel B. High compression externally fired laminal displacer engine. 2,990,681, 7-4-61, Cl. 60—24.
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Walker, Brooks. Overload spring for shock absorber. 2,988,379, 6-13-61, Cl. 280—124.
Walker, Brooks. Mounting for spare tire in vehicle fender. 3,005,657, 10-24-61, Cl. 296—37.2.
Walker, Brooks. Fluid power transmission. 3,011,314, 12-5-61, Cl. 60—52.
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Walker, Clarence O., and W. J. Weiss, to Texaco Inc. Method of converting an aqueous drilling fluid to a packer fluid. 3,003,956, 10-10-61, Cl. 252—8.55.
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Barker, Clifford L. 3,007,485.
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Walker, Eugene J., and N. Yorgin, to Westinghouse Electric Corp. Circuit breaker. 2,989,606, 6–20–61, Cl. 200—88.
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Walker, Frank H., and A. Zack, to Sylvania Electric Products Inc. Wafer coil manufacture. 3,011,374, 12–5–61, Cl. 82—48.
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Walker, George A., R. D. Dodge, and L. E. Palmer, to International Business Machines Corp. Wear compensator. 2,989,166, 6–20–61, Cl. 197—16.
Walker, Godfrey B., to American Zinc, Lead and Smelting Co. Full size range centrifugal heavy media separation. 2,988,-212, 6–13–61, Cl. 209—12.
Walker, Harold R., to United States of America, Navy. Radiant energy detecting and collecting apparatus. 2,984,-747, 5–16–61, Cl. 250—83.3.
Walker, Harold R. Phase comparator. 2,984,786, 5–16–61, Cl. 324—89.
Walker, Harry A., to General Motors Corp. Refrigerating apparatus. 2,992,545, 7–18–61, Cl. 62—515.
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Walker, James B., Jr., to The Babcock & Wilcox Co. Fuel feeding method and apparatus. 3,007,424, 11–7–61, Cl. 110—101.
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Walker, Jay P., and R. W. Coggins, to National Tank Co. Methods and means for low temperature separation. 3,012,629, 12–12–61, Cl. 183—2.7.
Walker, John. Lubricating systems. 2,996,149, 8–15–61, Cl. 184—27.
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Walker, Joseph B. Zoom lens focusing mechanism. 2,984,-154, 5–16–61, Cl. 88—57.
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Walker, Robert L. Vapor proof cover or freezer door assembly. 2,978,755, 4–11–61, Cl. 20—16.
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Wood, Herbert H. 2,998,606.
Wood, Herbert H. 2,998,607.
Wood, Herbert H. 2,998,608.
Wood, Herbert H. 2,998,609.
Wood, Herbert H. 2,998,627.
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Walker, Ward W.: *See*
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Walker, Watson F.: *See*—
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Walkup, Lewis E., to Xerox Corp. Apparatus for electrostatic recording. 3,001,849, 9–26–61, Cl. 346—74.
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Wallace, Earl E., to Little Giant Products, Inc. Material handling attachment for industrial trucks. 2,987,204, 6–6–61, Cl. 214—653.
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Wallace, John W., R. E. Hull, and R. W. Moore, to Westinghouse Electric Corp. Automatic strip thickness control apparatus. 2,972,268, 2–21–61, Cl. 80—32.
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Datt, Paul L., Warren, and Willoughby. 2,980,849.
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Riedl, Hans-Joachim, and Dahmlos. 3,005,685.
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Watanabe, Koichi, K. Asano, and S. Hara, to Nippon Light Metal Co., Ltd. Ingot stacking machine and method. 2,970,708, 2–7–61, Cl. 214—152.

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Iijima, Tsuneo, and Watanabe. 2,969,213.

Watanabe, Shoji L. Thermal insulating unit for faucets. 2,985,552, 5–23–61, Cl. 154—44.

Watanabe, Warren H.: *See*—
Nedwick, John J., and Watanabe. 2,973,390.

Watanabe, Yasushi, and J.-I. Nishizwa. Semiconductor diodes. 3,011,104, 11–28–61, Cl. 317—234.

Waterbury Farrel Foundry & Machine Co., Division of Lextron Inc., The: *See*—
Peterson, Arvid T. 3,010,415.

Waterbury, John W., to Praeger-Kavanagh-Waterbury. Convertible stadium. 3,002,234, 10–3–61, Cl. 20—1.126.

Waterfield, Clayton F.: *See*—
Calderhead, Henry J., and Waterfield. 3,015,066.

Waterfill, Robert W., to Buensod-Stacey Corp. Air conditioning. 2,984,459, 5–16–61, Cl. 257—283.

Waterfill, Robert W., to Buensod-Stacey Corp. Air conditioning mixing valve. 2,999,640, 9–12–61, Cl. 236—13.

Waterfill, Robert W., to Buensod-Stacey Corp. Air conditioning. 3,000,395, 9–19–61, Cl. 137—512.15.

Waterloo Foundry Co., Inc.: *See*—
Harmon, Cline H. 2,984,905.

Waterman, John E.: *See*—
Zuck, Matthew M., and Waterman. 3,000,073.

Waterman, Logan C., and W. L. Shirley, to Petrolite Corp. Electric treater. 2,976,228, 3–21–61, Cl. 204—302.

Waterman Pen Co., Inc.: *See*—
Young, Donald H. 2,987,044.

Waterous Co.: *See*—
Evans, Louis B., and Ewing. 2,976,810.
Hill, Robert A. 2,980,391.
Thomas, David F. 2,983,479.
Thomas, David F., and Evans. 2,975,715.
Thomas, David F., and Hill. 2,988,189.
Thomas, David F., and Hill. 2,995,092.

Water Purification, Inc.: *See*—
Snider, Kenneth M. 2,973,097.

Waters, Cecil A., to Lola Waters, by decree of distribution. Feeding and cutting meats. 2,974,700, 3–14–61, Cl. 146—123.

Waters Corp., The: *See*—
Farrall, William R. 2,967,451.

Waters, Daniel V.: *See*—
McCleery, Harold L., Reichelt, Wahl, and Waters. 2,987,870.
Nystrom, Axel C., Reichelt, Waters, and Weigel. 2,977,747.
Reichelt, Lester O., and Waters. 2,986,866.

Waters, Donald M.: *See*—
Thompson, Moody C., Jr., Freethey, and Waters. 2,981,908.

Waters, Everett W., to General Electric Co. Conduit clamp. 2,994,499, 8–1–61, Cl. 248—74.

Waters, George F.: *See*—
Talalay, Leon, and Waters. 2,984,631.

Waters, Henry C.: *See*—
Charrin, Paul, and Waters. 3,014,174.

Waters, James L., to Mine Safety Appliances Co. Apparatus for analysis of materials. 2,970,513, 2–7–61, Cl. 88—14.

Waters, James L., to Mine Safety Appliances Co. Apparatus for the analysis of mixtures. 2,975,280, 3–14–61, Cl. 250—43.5.

Waters, James L., and A. W. Sinkinson, to Mine Safety Appliances Co. Apparatus for analysis of materials. 2,970,512, 2–7–61, Cl. 88—14.

Waters, Kenneth H.: *See*—
Berryman, Langdon H., Goupillaud, and Waters. 3,009,527.

Waters, Lawrence W., to United Can and Glass Co. Peach pitter. 2,967,554, 1–10–61, Cl. 146—28.

Waters, Lola: *See*—
Waters, Cecil A. 2,974,700.

Waters Mfg., Inc.: *See*—
Bartell, William W., Ayoub, Houghton, and Clayton. 2,974,300.
Clayton, John, Jr. 3,007,127.
Damon, Robert W., and Sauber. 3,012,744.
Waters, Robert A. 2,976,508.

Waters, Milton V., and A. V. Gress, Jr., to The Cincinnati Milling Machine Co. Automatic cycle control mechanism. 3,009,399, 11–21–61, Cl. 90—21.

Waters, Noble R., Sr. Water chair. 2,980,927, 4–25–61, Cl. 9—347.

Waters, Robert A., to Waters Mfg., Inc. Rectilinear potentiometer. 2,976,508, 3–21–61, Cl. 338—180.

Waters, Robert S., to A. O. Smith Corp. Ventilating apparatus for dynamoelectric machines. 2,967,959, 1–10–61, Cl. 310—63.

Waters, Robert S., to Westinghouse Electric Corp. Means for attaching a knob or the like to a shaft. 2,972,493, 2–21–61, Cl. 287—53.

Waters, William M., to United States of America, Navy. Jump amplifier circuit. 3,012,202, 12–5–61, Cl. 328—140

Waterson, Robert L.: *See*—
Billingsley, Leonard. 2,975,858.

Wathen, Robert L., to Sperry Rand Corp. Apparatus for determining the vertical. 2,999,239, 9–5–61, Cl. 343—117.

Wathen, William A., and M. H. Peterson, to Massey-Ferguson Inc. Lifting and counterbalancing means for a tractor mower. 2,984,960, 5–23–61, Cl. 56—25.

Watkins, Charles A.: *See*—
Bagwell, George W., and Watkins. 3,008,143.

Watkins, Charles H., to Universal Oil Products Co. Method for producing unsaturated hydrocarbons. 2,988,579, 6–13–61, Cl. 208—683.3.

Watkins, Dean A., to United States of America, Navy. Barstrapped multifilar helix for traveling wave tube. 2,997,618, 8–22–61, Cl. 315—3.6.

Watkins, Derek C. J.: *See*—
Starks-Field, Alfred B., and Watkins. 3,011,119.

Watkins, Franklin M., to Sinclair Refining Co. Sodium carbonate as inhibitor against corrosion by ammonia-ammonium nitrate solutions. 3,011,862, 12–5–61, Cl. 21—2.5.

Watkins, Joel H.: *See*—
Miller, Henry C. L., and Watkins. 2,969,156.

Watkins, John E. Refrigerant evaporator. 2,998,712, 9–5–61, Cl. 62—278.

Watkins, John E. Control means for refrigerating system. 3,003,332, 10–10–61, Cl. 62—197.

Watkins, Lucius D., to Outboard Marine Corp. Lawn mower having a spring loaded wheel. 2,967,388, 1–10–61, Cl. 56—25.4.

Watkins, Lucius D., to Outboard Marine Corp. Vibration and sound damping outboard motor structure with extended shroud. 3,002,489, 10–3–61, Cl. 115—18.

Watkins, Robert A., to Raytheon Co. Reticle system for optical guidance systems. 3,002,098, 9–26–61, Cl. 250—203.

Watkins, Sammy. Combination automobile arm rest and hand bag. 2,971,572, 2–14–61, Cl. 155—198.

Watkins, Spencer H., to Hercules Powder Co. Rosin size having improved crystallization characteristics. 2,985,537, 5–23–61, Cl. 106—238.

Watkins, William M., to Lockheed Aircraft Corp. Flexible pipe coupling for use in a high pressure, high temperature pneumatic ducting system. 2,998,270, 8–29–61, Cl. 285—265.

Watkins, Willis T.: *See*—
Comeau, John E., Thomas, and Watkins. 3,009,158.

Watlington, Lee S. Newspaper vending machine. 2,968,422, 1–17–61, Cl. 221—194.

Watlington, Lee S. Vending machines. 2,981,441, 4–25–61, Cl. 221—67.

Watlington, Lee S. Knock-down combination chair and hair dryer. 3,007,736, 11–7–61, Cl. 297—217.

Watrous, Robert B., to Minneapolis-Honeywell Regulator Co. Meter. 2,969,678, 1–31–61, Cl. 73—407.

Watrous, Robert B., to Minneapolis-Honeywell Regulator Co. Square computing device. 2,972,443, 2–21–61, Cl. 235—61.

Watson, Albert T.: *See*—
Keller, James P., Schutze, and Watson. 3,005,855.

Watson, Benjamin P.: *See*—
Davis, Wade A., Eissmann, and Watson. 2,988,213.

Watson, Claude W., deceased; M. H. Watson, executrix of said C. W. Watson. Alkylation of isoparaffins with alkyl sulfates. 3,000,994, 9–19–61, Cl. 260—683.61.

Watson, Clement H.: *See*—
Bombi, Walter M., Phillips, and Watson. 2,974,619.

Watson, Cyril J. Collapsible ladder. 2,993,561, 7–25–61, Cl. 182—195.

Watson, David W.: *See*—
Jolliffe, Sidney A. W., and Watson. 3,015,098.

Watson, Donald G., to G. Miller. Copper sculpture. 2,967,357, 1–10–61, Cl. 35—26.

Watson, Edward, to Fairey Aviation Ltd. Nuclear magnetic resonance detectors. 3,005,149, 10–17–61, Cl. 324—.5.

Watson, Edward D.: *See*—
Harcum, William M., and Watson. 3,003,513.

Watson, Edward J.: *See*—
Bowman, Carlos M., and Watson. 2,976,313.
Bowman, Carlos M., and Watson. 2,976,314.

Watson, Edwin J.: *See*—
Baker, George W., Colombo, and Watson. 3,009,334.

Watson Electronics & Engineering Co., Inc.: *See*—
Watson, Joseph H. 2,978,954.

Watson, Emmett S.: *See*—
McDonell, Horace G., and Watson. 2,995,410.

Watson, Gerald V.: *See*—
Moore, Donald C., and Watson. 2,988,630.

Watson, Harold J., to Texaco Inc. Synergistic extreme pressure agent and lubricant composition. 2,993,859, 7–25–61, Cl. 252—49.6.

Watson, Harold J., and R. B. Tierney, to Texaco Inc. Method and composition for lubricating under wet conditions. 3,001,940, 9–26–61, Cl. 252—32.7.

Watson, Harold W. R.: *See*—
Grieve, George T. W., and Watson. 3,006,136.

Watson, Harrison T. Golf smoke tee. 3,001,529, 9–26–61, Cl. 131—257.

Watson, James K.: *See*—
Billig, Lewis S., Perkins, and Watson. 3,011,023.
Watson, James P., ½ to J. Davidson. Biased pawl. 2,983,-161, 5-9-61, Cl. 74—577.
Watson, James P., ½ to J. Davidson. Stepping motors and switches. 2,983,798, 5-9-61, Cl. 200—1.
Watson, James P., ½ to J. Davidson. Compound bearing. 3,014,382, 12-26-61, Cl. 74—590.
Watson, John A., to The British Thomson-Houston Co., Ltd. Cam operated contactors. 2,979,592, 4-11-61, Cl. 200—153.
Watson, John C. Apparatus for sweeping acoustic mines. 2,994,268, 8-1-61, Cl. 102—7.
Watson, John D.: *See*—
Olstowski, Franciszek, and Watson. 2,992,280.
Watson, John F., Bottle construction. 3,002,642, 10-3-61, Cl. 215—43.
Watson, John J. Pipe line leak clamp. 2,999,515, 9-12-61, Cl. 138—99.
Watson, Joseph H., to Watson Electronics & Engineering Co., Inc. Automatic projector control apparatus for photogrammetric instruments. 2,978,954, 4-11-61, Cl. 88—24.
Watson, Lloyd M., and E. A. Allgeier, to National Distillers and Chemical Corp. Chemical separation and purification of diarylbutanes. 3,013,092. 12-12-61, Cl. 260—674.
Watson, Luke E.: *See*—
Willetts, Elwood H., Ingram, and Watson. 2,981,283.
Watson, Marshall T.: *See*—
Long, Selma H., Tholstrup, and Watson. 2,996,477.
Watson, Myrtle H.: *See*—
Watson, Claude W. 3,000,994.
Watson, Orla E. Liquid injector. 2,969,684, 1-31-61, Cl. 74—49.
Watson, Orla E. Valve operator. 2,996,928, 8-22-61, Cl. 74—25.
Watson, Paul C., to American Viscose Corp. Method for the production of reticulated webs. 2,988,469, 6-13-61. Cl. 154—101.
Watson, Ralph O. Method for repairing worn surfaces in shafts. 3,006,064, 10-31-61, Cl. 29—401.
Watson, Ralph O. Method of repairing worn surfaces in shafts. 3,006,065, 10-31-61, Cl. 29—401.
Watson, Robert D., to Atomic Energy of Canada Ltd. Zirconium bearings and process of producing same. 2,987,352, 6-6-61, Cl. 308—241.
Watson, Robert G., to Republic Steel Corp. System for compensation of load cell non-linearity. 2,998,090, 8-29-61, Cl. 177—211.
Watson, Robert T.: *See*—
Sisneros, Thomas E., and Watson. 2,971,859.
Watson, Roger W.: *See*—
Klass, Donald L., Sieker, and Watson. 3,000,916.
Watson, Thomas R. B.: *See*—
Mueller, Walter A., and Watson. 3,009,865.
Watson, Wallace B., to General Electric Co. Switching circuit. 2,970,270, 1-31-61, Cl. 328—58.
Watson, Wallace B., to General Electric Co. Coupling arrangement. 2,987,649, 6-6-61, Cl. 315—30.
Watson, Wilber P. Portable auto body milling tool. 2,987,-970, 6-13-61, Cl. 90—12.
Watson, William B., to Sinclair Refining Co. Two step process for refining raw petroleum lubricating oils with sulfuric acid and hydrogen. 2,973,315, 2-28-61, Cl. 208—211.
Watson, William B., to Sinclair Refining Co. Refining raw lube oil stock with a mild hydrogen treatment followed by sulfuric acid. 2,973,317, 2-28-61, Cl. 208—264.
Watson, William B., and M. K. Rausch, to Sinclair Refining Co. Method for the manufacture of a oxidation stable bright stock. 3,011,972, 12-5-61, Cl. 208—264.
Watson, William F.: *See*—
Anastasia, Harry G., and Watson. 2,968,964.
Watson, William F., and D. Wilson, to Baker Perkins Ltd. Mixing machines for rubbers and plastic substances. 2,977,098, 3-28-61, Cl. 259—108.
Watson, William T. Collapsible caravans. 2,990,214, 6-27-61, Cl. 296—23.
Watt, Andrew K.: *See*—
Falver, Kenneth E., and Watt. 2,972,391.
Watt, Everett C. and L. A. Hydraulic actuator shaft seal. 3,011,845, 12-5-61, Cl. 309—2.
Watt, Lynn A.: *See*—
Watt, Everett C. and L. A. 3,011,845.
Watt, Peter R., to Vitamins Ltd. Thin film rotatable fractionation apparatus. 2,975,108, 3-14-61, Cl. 202—64.
Watter, Michael, to The Budd Co. Joining methods. 3,005,-086, 10-17-61, Cl. 219—85.
Watters, Bernard E. and B. M. Dispenser for semi-paste materials. 2,984,391, 5-16-61, Cl. 222—309.
Watters, Bernard M.: *See*—
Watters, Bernard E. and B. M. 2,984,391.
Watters, Bill G., to Bolt Beranek and Newman Inc. Acoustic absorber. 3,000,464, 9-19-61, Cl. 181—33.
Watters, Johnny T.: *See*
Jewell, Robert A., and Watters. 2,991,065.
Watters, Johnny T., to Great Dane Trailers Inc. Releasable spreader for vehicle bodies. 2,971,797, 2-14-61, Cl. 296—40.
Watters, Norman T., to Zenith Radio Corp. Secrecy communication system. 2,995,624, 8-8-61, Cl. 178—22.
Watters, Robert L., to United States of America, Navy. Pulse-generating circuit. 2,972,110, 2-14-61, Cl. 328—35.
Watters, Robert L., to General Electric Co. Radio-frequency amplifier and converter circuits. 2,978,576, 4-4-61, Cl. 250—20.
Watters, William G.: *See*—
Rush, William F., and Watters. 3,004,919.
Watts, Cecil E., to Cecil E. Watts, Ltd. Gramophone records cleaning machine. 2,976,551, 3-28-61, Cl. 15—4.
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Watts, Cecil E. 2,976,551.
Watts, Chester B., Jr.: *See*—
Alford, Andrew, and Watts. 2,983,866.
Watts, Chester B., Jr., to Scanwell Laboratories, Inc. Small directional antenna system. 2,972,145, 2-14-61, Cl. 343—742.
Watts, Chester B., Jr., to A. Alford. Wing type dipole antenna with radiators of particular shape. 2,973,517, 2-28-61, Cl. 343—795.
Watts, Chester B., Jr., to Andrew Alford. Radio frequency net-works. 2,976,497, 3-21-61, Cl. 333—9.
Watts, Chester B., Jr., to Scanwell Laboratories, Inc. Variable transmission line. 3,008,101, 11-7-61, Cl. 333—31.
Watts Electric & Mfg. Co.: *See*—
Harman, Jack B. 2,966,703.
Heller, Robert M. 2,966,701.
Heller, Robert M. 2,995,782.
Watts, Hargus, and F. B. Stulen, to Curtiss-Wright Corp. Speed changer. 3,008,354, 11-14-61, Cl. 74—798.
Watts, John D., J. C. Ireland, and E. F. Hill, to Gray Tool Co. Wellhead. 3,001,803, 9-26-61, Cl. 285—137.
Watts, Lorenza W., and S. S. Watts. Tray for clamping and transporting containers against accidental displacement. 3,008,618, 11-14-61, Cl. 224—48.
Watts, Rhea N., and R. B. Mason, to Esso Research and Engineering Co. Process of producing alcohol of improved odor from ether hydration. 2,974,175, 3-7-61, Cl. 260—632.
Watts, Serena S.: *See*—
Watts, Lorenza W., and Watts. 3,008,618.
Watts, Sherman S.: *See*—
Elliott, Thomas J., and Watts. 3,006,635.
Royer, Arthur G., and Watts. 2,980,422.
Watts, William S., to AMP Inc. Miniature taper pin. 2,978,667, 4-4-61, Cl. 339—95.
Watzl, Anton: *See*—
Hippe, Werner, Watzl, and Hagen. 2,973,341.
Waugh, Charles C. Flowmeter. 2,988,916, 6-20-61, Cl. 73—231.
Waugh, Dale L.: *See*—
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Waugh, Dale L., to Dayco Corp. V-belt construction. 2,995,-176, 8-8-61, Cl. 154—4.
Waugh, Richard C.: *See*—
Waugh, Thomas D. and R. C. 2,971,959.
Waugh, Thomas D. and R. C. 2,971,960.
Waugh, Robert E., and O. L. Rider, to The Englander Co., Inc. Honeycomb panel. 2,998,342, 8-29-61, Cl. 154—128.
Waugh, Thomas: *See*—
Dahms, Francis A., and Waugh. 3,010,499.
Waugh, Thomas D. and R. C. Production of N-brominated organic nitrogen compounds. 2,971,959, 2-14-61, Cl. 260—309.5.
Waugh, Thomas D. and R. C. Production of N-brominated imides and hydantoins. 2,971,960, 2-14-61, Cl. 260—309.5.
Waukesha Bearings Corp.: *See*—
Gruber, Jerome M. 3,011,839.
Wausau Iron Works: *See*—
Krueger, Leonard R. 3,012,345.
Wavering, Robert A.: *See*—
Georgian, Carl C., and Wavering. 2,993,029.
Wawrzonek, William J., and W. A. Benz. Refrigerated food vender. 3,010,556, 11-28-61, Cl. 194—2.
Waxman, Arnold L., to United States of America, Navy. Low-recoil, variable-range missile projector. 2,986,973, 6-6-61, Cl. 89—1.7.
Way, Frederick, to St. Luke's Hospital. Wheeled anchorable rotary carrier. 3,007,584, 11-7-61, Cl. 214—1.
Way, George H. Musical instrument supporting device. 2,971,738, 2-14-61, Cl. 248—226.
Waydak, Anthony, to General Motors Corp. Engine cooling system. 2,988,068, 6-13-61, Cl. 123—41.1.
Wayland, Hubert E., to Ty-Sa-Man Machine Co. Grinding wheels. 2,980,098, 4-18-61, Cl. 125—3.
Wayland, Hubert E., to Ty-Sa-Man Machine Co. Wire saws. 2,986,136, 5-30-61, Cl. 125—21.
Wayland, Hubert E., and R. E. Sonneland, to Ty-Sa-Man Machine Co. Stone cutting apparatus. 2,982,280, 5-2-61, Cl. 125—21.
Wayland, Hubert E., and W. B. Mayes, to Ty-Sa-Man Machine Co. Stone cutting apparatus. 2,994,314, 8-1-61, Cl. 125—21.
Wayman, Cecil J.: *See*—
Hamblin Charles L., and Wayman. 3,008,640.
Penley, William H., and Wayman. 2,979,262.
Wayman, Paul B.: *See*—
Johnson, Philip L., and Wayman. 3,008,485.
Wayman, Ted A. Fluid-tight joint and cable mounting. 2,972,002, 2-14-61, Cl. 174—65.
Waymouth, John F.: *See*—
Gungle, Warren C., Waymouth, and Bitter. 3,013,169.
Waymouth, John F., W. C. Gungle, and C. J. Bernier, to Sylvania Electric Products Inc. High output discharge lamp. 3,013,175, 12-12-61, Cl. 313—185.
Wayne, Charles J., D. P. Edkins, and R. L. Cleveland, to General Electric Co. Engine mounting arrangement. 2,968,920, 1-24-61, Cl. 60—35.6.

Wayne, Clyde D., and C. G. Tumino, to National Dairy Products Corp. Conveyor. 3,008,281, 11-14-61, Cl. 53—393.
Wayne Home Equipment Co.: *See*—
Wagner, Ervin R. 3,008,572.
Wayne, Michael, to The Tablet & Ticket Co. Illuminated display device. 2,996,821, 8-22-61, Cl. 40—132.
Wayne, William C., Jr., to The Baldwin Piano Co. Electric musical instrument. 3,000,252, 9-19-61, Cl. 84—1.01.
Wayne, William C., Jr., to The Baldwin Piano Co. Audio modulation system. 3,004,460, 10-17-61, Cl. 84—1.01.
Wayne, William C., Jr., to The Baldwin Piano Co. Multiple vibrato system. 3,007,361, 11-7-61, Cl. 84—1.01.
Wayrynen, Robert E.: *See*—
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Wayson, Andrew J., to Merriman Bros., Inc. Spinning ring holder. 3,008,286, 11-14-61, Cl. 57—120.
Waythomas, Donald J.: *See*—
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Erfurth, Kurt A., and Wazelt. 3,010,648.
Weagant Coupling Ltd.: *See*—
Weagant, John P. 2,987,324.
Weagant, John P., to Weagant Coupling Ltd. Vehicular steering-coupling device. 2,987,324, 6-6-61, Cl. 280—448.
Wean, Earl G. Burial vaults. 3,007,224, 11-7-61, Cl. 27—35.
Wean Engineering Co., Inc., The: *See*—
Baughman, Milton D., Jr. 2,967,007.
Geiszler, Albert R., and Tolbert. 2,978,941.
Logan, John E. 3,000,756.
Shay, Ell. 3,000,385.
Wean Equipment Corp.: *See*—
Ranney, Neil J. 2,986,075.
Wear, Charles W., and D. F. Gazzola; said Wear assor. to said Gazzola. Fishhook disgorger. 2,972,205, 2-21-61, Cl. 43—53.5.
Wear, Robert L., to Minnesota Mining & Mfg. Co. Epoxidized polyene polymers. 3,003,981, 10-10-61, Cl. 260—24.
Wear, Robert L., B. Oiye, and A. S. Winthrop, to Minnesota Mining and Mfg. Co. Resinous compositions. 2,970,972. 2-7-61, Cl. 260—18.
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Back, Leonard, and Weatherby. 2,998,788.
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Carpenter, Robert H. 2,988,814.
Courtot, Louis B. 2,975,662.
Marette, Ralph T. 2,991,763.
Marette, Ralph T. 3,013,534.
Marette, Ralph T., and Miller. 2,998,024.
St. Clair, Theodore A. 3,001,541.
Tanker, George E., and Beerli. 3,008,602.
Weatherley Oilgear Ltd.: *See*—
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Weatherproof Products Corp.: *See*—
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Weathers, Paul. Signal transducing systems. 3,005,060, 10-17-61, Cl. 179—100.41.
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Etling, Harold A. 2,996,161.
Meddick, John W. 2,968,829.
Weaver, Calvin R., and G. C. Heil, to Philco Corp. Fabrication of electrical devices. 2,970,370, 2-7-61, Cl. 29—203.
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Weaver, Elmer A., to United States of America, Agriculture. Preservation process. 2,982,697, 5-2-61, Cl. 195—68.
Weaver, Elmer A., to United States of America, Agriculture. Preservation process. 2,992,114, 7-11-61, Cl. 99—154.
Weaver, Elmer A., and H. E. Kenney, to United States of America, Agriculture. Process for promoting microbial transformation reactions. 2,989,439, 6-20-61, Cl. 195—51.
Weaver, Elmer R., to United States of America, Commerce. Refrigerator lock with inside release. 2,966,864, 1-3-61, Cl. 109—63.5.
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Esterson, Maurice, and Weaver. 2,972,084.
Weaver, Gail K.: *See*—
Miller, Charles L., and Weaver. 2,970,731.
Weaver, Geoffrey R. E. Centrifugal fan ventilators. 3,009,409, 11-21-61, Cl. 98—96.
Weaver, Henry W., to Sparcraft, Inc. Chuck. 2,993,700, 7-25-61, Cl. 279—1.
Weaver, Hugh J., to Paraffin Melting Co., Inc. Method of cleaning oil wells. 3,014,531, 12-26-61, Cl. 166—41.
Weaver, Leo J., to Monsanto Chemical Co. Fungus resistant sheet material and method of making the same. 3,012,909, 12-12-61, Cl. 117—138.5.
Weaver, Leo J., to Monsanto Chemical Co. Fungus resistant sheet material and method of making the same. 3,012,910, 12-12-61, Cl. 117—138.5.
Weaver, Paul J., to Banstrom Industries, Inc. Machine tool control. 2,971,535, 2-14-61, Cl. 137—620.
Weaver, Paul J., to Banstrom Industries, Inc. Machine tool control. 2,976,688, 3-28-61, Cl. 60—97.
Weaver, Paul J., to Banstrom Industries, Inc. Machine tool control circuit. 2,984,073, 5-16-61, Cl. 60—97.
Weaver, Preston R., to The W. L. Maxson Corp. Acceleration responsive switch. 2,979,582, 4-11-61, Cl. 200—61.45.
Weaver, Robert C.: *See*—
Werner, Robert V., Weaver, and Crooks. 2,972,047.
Weaver, Vance W. Typing machine. 2,986,256, 5-30-61, Cl. 197—56.
Webb, Charles S. Zinc food supplement. 2,999,752, 9-12-61, Cl. 99—2.
Webb, Clifford J.: *See*—
Wotton, John, and Webb. 3,007,304.
Webb, Derrel D., to Houston Engineers, Inc. Well packer setting device. 2,978,028, 4-4-61, Cl. 166—63.
Webb, Derrel D., to Houston Engineers, Inc. Fluid pressure one way jar. 2,987,129, 6-6-61, Cl. 175—297.
Webb, Derrel D., to Houston Engineers, Inc. Rotary jar type well tool. 2,988,147, 6-13-61, Cl. 166—178.
Webb, Derrel D., to Houston Engineers, Inc. High pressure packing means. 3,004,783, 10-17-61, Cl. 286—12.
Webb, Derrel D., to Houston Engineers, Inc. Hydraulic jar. 3,005,505, 10-24-61, Cl. 175—297.
Webb, Mrs. Donald E.: *See*—
Webb, Donald E., and Aldrer. 3,013,152.
Webb, Donald E., deceased (by Mrs. D. E. Webb, administratrix), and E. D. Aldrer, to P. R. Mallory & Co., Inc. Tuning device. 3,013,152, 12-12-61, Cl. 250—40.
Webb, Edmond F., to The Delman Co. Windshield clearing system. 2,970,335, 2-7-61, Cl. 15—250.02.
Webb, Edmond F., to The Delman Co. Windshield clearing system. 2,970,336, 2-7-61, Cl. 15—250.02.
Webb, Edmond F., to The Delman Co. Windshield clearing system. 3,000,033, 9-19-61, Cl. 15—250.02.
Webb, Edmond F., to The Delman Co. Windshield clearing system. 3,000,034, 9-19-61, Cl. 15—250.02.
Webb, Edmond F., to The Delman Co. Windshield clearing system. 3,005,222, 10-24-61, Cl. 15—250.02.
Webb, Ernest C. Device for supporting and positioning a water conditioning pellet. 2,986,340, 5-30-61, Cl. 239—315.
Webb, George L., to Essex Wire Corp. Electrical resistor assembly. 2,984,805, 5-16-61, Cl. 338—277.
Webb, George R., to Owens-Illinois Glass Co. Polishing kit. 2,986,762, 6-6-61, Cl. 15—258.
Webb, Glenn M., to Standard Oil Co. Rejuvenation of platinum-type hydroforming catalysts. 3,011,968, 12-5-61, Cl. 208—140.
Webb, Harold D.: *See*—
Jordan, Edward C., Webb, and O'Meara. 2,994,081.
Webb, Harold L. Game blind. 2,992,503, 7-18-61, Cl. 43—1.
Webb, Jervis B., Co.: *See*—
Gaumer, Loren T. 3,006,289.
Webb, Lester I., to Ford Motor Co. Wheel manufacture. 3,000,081, 9-19-61, Cl. 29—156.8.
Webb, Myron Q., and W. K. Wilkinson, to E. I. du Pont de Nemours and Co. Process of preparing a polymer of acrylonitrile. 2,992,209, 7-11-61, Cl. 260—79.3.
Webb, Paul E.: *See*—
Ortega, William, Jr., and Webb. 2,968,433.
Webb, Ralph D.; to Union Carbide Corp. Process control. 3,009,864, 11-21-61, Cl. 202—40.
Webb, Robert L.: *See*—
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Webb, Robert L., to The Glidden Co. Process for preparing oxygenated compounds of the 2,6-dimethyl-octane series. 2,995,600, 8-8-61, Cl. 260—488.
Webb, Robert S., to Elox Corp. of Michigan. Hydraulic servo feed. 2,984,761, 5-16-61, Cl. 314—61.
Webb, Robert S., to Elox Corp. of Michigan. EDM coolant. 2,996,602, 8-15-61, Cl. 219—69.
Webb, Robert S., to Elox Corp. of Michigan. Power feed system. 2,996,638, 8-15-61, Cl. 314—61.
Webb, Sanford S. Fishing lure. 2,994,151, 8-1-61, Cl. 43—42.28.
Webb, Watt W., W. A. Wissler, and W. D. Forgeng, to Union Carbide Corp. Process for preparing virtually perfect alumina crystals. 3,011,870, 12-5-61, Cl. 23—142.
Webb, Wells A.: *See*—
Brunsing, Rex L., and Webb. 3,008,838.
Brunsing, Rex L., and Webb. 3,008,839.
Webb, William B., Jr.: *See*—
Coney, Kenneth R., Pyewell, and Webb. 3,003,978.
Webber, Charles S., and E. B. Lewis, to Norton Co. Adhesive tapes and liners having release coatings of reaction products of epoxy polyester of long-chain saturated aliphatic acids and certain aminealdehyde thermosetting resins. 2,995,467, 8-8-61, Cl. 117—68.
Webber, Claude H., and F. H. Mueller, to Mueller Co. Method of attaching a plastic fitting to a plastic main. 2,973,296, 2-28-61, Cl. 154—116.
Webber Gage Co.: *See*—
Hoyt, Robert P., and Weber. 3,014,809.
Webber, George D., to Webber Gage Co. Gage block verification instrument and procedure. 3,000,103, 9-19-61, Cl. 33—147.

Webber, George D., to Webber Gage Co. Cases for gage blocks. 3,000,510, 9–19–61, Cl. 211—13.
Webber, Jack. Folding ladder. 2,981,364, 4–25–61, Cl. 182—159.
Webber, Jack C. Swab. 2,975,722, 3–21–61, Cl. 103—225.
Webber, John J., and J. M. Hummel, to Owens-Corning Fiberglas Corp. Apparatus for processing heat-softenable materials. 3,004,367, 10–17–61, Cl. 49—54.
Webber, Melvyn E., D. Skarzynski, and T. F. Ulrich. In-ear hearing aid. 2,987,584, 6–6–61, Cl. 179—107.
Webber, Stanley E., to General Electric Co. Electron tube frequency multiplier of the traveling wave type. 2,981,889, 4–25–61, Cl. 328—19.
Webber, Thomas J., and I. S. Ritter. Water-borne float for supporting people. 2,986,749, 6–6–61, Cl. 9—11.
Webber, William O., to Esso Research and Engineering Co. Control of fractionating columns. 2,976,234, 3–21–61, Cl. 208—350.
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Webcor, Inc.: *See*—
Bara, Edwin S. 2,973,966.
Bara, Edwin S. 3,002,758.
Cotuno, Leonard C. 2,997,710.
Dale, Colin B. 2,974,962.
Hechler, Valentine, IV. 2,986,677.
Hechler, Valentine, IV. 3,003,088.
Hechler, Valentine, IV. 3,011,680.
Romano, Sam S. 2,998,177.
Romano, Sam S., and Starai. 2,989,705.
Schwaneke, Fred C. 3,010,006.
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Fritz, Alfred G., Weber, and Oakley. 2,998,950.
Weber, Arthur: *See*—
Linder, Eduard, and Weber. 2,982,900.
Weber, Bernard R., and W. H. Lieber, to The Fulton Co. Trailer coupling. 2,971,777, 2–14–61, Cl. 280—512.
Weber, Carl. Sheet separating device. 2,979,330, 4–11–61, Cl. 271—36.
Weber, Carl V., to Automatic Canteen Co. of America. Measuring dispensers. 3,012,701, 12–12–61, Cl. 222—449.
Weber, Charles W.: *See*—
Barnhart, William S., Zollinger, and Weber. 2,992,989.
Weber, Christof, to William M. Noe. Strap adjuster. 2,972,173, 2–21–61, Cl. 24—171.
Weber, Christof, to W. M. Noe. Metal-to-metal buckle. 3,013,317, 12–19–61, Cl. 24—73.
Weber, Clifford P.: *See*—
Maloney, Clifford J., and Weber. 2,976,724.
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Scarborough, William F., and Tieri. 2,971,276.
Weber, David C. Hydraulic thrust bearing. 2,975,005, 3–14–61, Cl. 308—9.
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Helm, Mark W., Maurer, and Luzio. 3,009,249.
Maurer, John A., Ferguson, and Taylor. 2,985,226.
Maurer, John A., and Taylor. 3,004,802.
Weber, Dieter: *See*—
Christen, Alfred, and Weber. 3,011,091.
Weber, Elmer W., Jr.: *See*—
Kennedy, Gilbert J., and Weber. 2,968,958.
Weber, Ernest L.: *See*—
Maltby, Frederick L., Weber, and Riester. 2,993,741.
Weber, Erwin, to W. Schlafhorst & Co. Means for unwinding the yarn of conical-layer coils. 2,994,491, 8–1–61, Cl. 242—128.
Weber, Erwin L. Automatic ventilators. 2,975,975, 3–21–61, Cl. 236—49.
Weber, Eugen, to Hydro-Chemie Aktiengesellschaft. Arrestchines for producing formed articles made of thermoplastic ing device for parts moving up and down. 3,006,204, 10–31–61, Cl. 74—100.
Weber, Eugen, to Hydro-Chemie Aktiengesellschaft. Mafoil material. 3,014,239, 12–26–61, Cl. 18—19.
Weber, Ferdinand: *See*—
Fuhring, Heinrich. 3,010,217.
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Hart, Robert L., MacKenzie, and Weber. 2,985,412.
Weber, Franz: *See*—
Schwartz, Daniel M., Hackett, and Weber. 2,991,132.
Weber, Franz, to The Elreco Corp. Universal trunnion mounting for equalizer member of a material handling machine. 2,988,159, 6–13–61, Cl. 180—9.5.
Weber, Gene C.: *See*—
Webber, George D. 3,000,103.
Webber, George D. 3,000,510.
Weber, Gerhard: *See*—
Roh, Nikolaus, Wulf, and Weber. 3,011,990.
Weber, Gustav. Automatic electrical control device, particularly for motor vehicles. 2,977,504, 3–28–61, Cl. 315—83.
Weber H. G. and Co., Inc.: *See*—
Beninger, Robert L., and Jacobsen. 2,973,914.
Beninger, Robert L., and Jacobsen. 2,997,346.
Weber Hans B.: *See*—
Shafer, James A., and Weber. 2,977,159.
Weber, Harold, to Celanese Corp. of America. Apparatus for the production and treatment of filaments. 2,987,764, 6–13–61, Cl. 18—8.
Weber, Henri. Arrangement for the speedy drying of small amounts of linen. 2,975,529, 3–21–61, Cl. 34—151.
Weber, Heinrich, F.-P. van de Kamp, and H. Strache, to Chemische Werke Huls Aktiengesellschaft. Process for the production of alkyl aluminum sesquichlorides. 3,010,984, 11–28–61, Cl. 260—448.
Weber, Horst, and E. Podschus, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of aluminosilicate gels. 2,999,734, 9–12–61, Cl. 23—113.
Weber, Ira, to American-Marietta Co. Testing ink abrasiveness. 2,990,712, 7–4–61, Cl. 73—7.
Weber, John M. Ski tow apparatus. 2,971,475, 2–14–61, Cl. 105—29.
Weber, John W., to The Carborundum Co. Method and apparatus for blending ceramic fibers with carrier fibers. 3,012,289, 12–12–61, Cl. 19—146.
Weber, Joseph H. Dictation system. 2,983,793, 5–9–61, Cl. 179—100.1.
Weber, Joseph J., to Stark, Wetzel & Co., Inc. Hopper type sausage stuffing apparatus. 2,996,755, 8–22–61, Cl. 17—37.
Weber, Karel, to Telsa, národní podnik. Teleprinter reception system for multichannel operation. 2,991,330, 7–4–61, Cl. 178—50.
Weber, Karel, and J. Vana, to Tesla, narodni podnik. Device for automatic re-setting of tele-writer to letter-printing position. 2,998,484, 8–29–61, Cl. 178—23.
Weber, Karel, and J. Vana, to Tesla, narodni podnik. Circuit closing and breaking arrangement for teleprinters. 3,005,040, 10–17–61, Cl. 178—4.1.
Weber, Karl F., to Weber Showcase & Fixture Co., Inc. Drawer counter. 2,968,519, 1–17–61, Cl. 312—204.
Weber, Kurt: *See*—
Detrick, Herbert B., and Weber. 2,986,593.
Staeuble, Max, and Weber. 2,989,540.
Staeuble, Max, and Weber. 2,993,045.
Weber, Kurt, to Ciba Ltd. Anthraquinone vat dyestuffs. 2,985,656, 5–23–61, Cl. 260—249.
Weber, Lorraine F.: *See*—
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Weber, Max, to Etablissement Amora. Pre-payment devices adapted to limit the duration of operation of a clockwork movement. 2,971,624, 2–14–61, Cl. 194—19.
Weber, Paul, to Fritz Hellige & Co., G.m.b.H. Measuring and/or recording apparatus. 3,011,125, 11–28–61, Cl. 324—123.
Weber, Paul U., to Societe financiere d'Expansion Commerciale et Industrielle S.A. "Sfindex". Full admission impulse turbine. 2,972,468, 2–21–61, Cl. 253—31.
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Weber, Robert C. Bumper actuated vehicle safety seat. 3,001,815, 9–26–61, Cl. 296—65.
Weber Showcase & Fixture Co., Inc.: *See*—
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Weber, Karl F. 2,968,519.
Weber, Theodor: *See*—
Maeder, Arthur, Weber, Sulzer, Fatzer, and Guertler. 2,976,167.
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Strobel, Charles K., and Weber. 2,988,140.
Weber, Victor, to Minnesota Mining and Mfg. Co. Reflex-reflecting sheet materials. 3,005,382, 10–24–61, Cl. 88—82.
Weber, Victor, and C. K. Strobel, to Robertshaw-Fulton Controls Co. Capacitance type temperature control. 2,977,452, 3–28–61, Cl. 219—20.
Weber, Victor, W. J. Russell, and W. J. Sanders, to Robertshaw-Fulton Controls Co. Burner control apparatus. 2,977,967, 4–4–61, Cl. 137—66.
Weber, Victor, and C. K. Strobel, to Robertshaw-Fulton Controls Co. Thermostatic control device. 2,989,611, 6–20–61, Cl. 200—137.
Weber, Victor, and F. S. Genbauffe, to Robertshaw-Fulton Controls Co. Laundry apparatus. 2,991,342, 7–4–61, Cl. 200—140.
Weber, Walter H., to The Thomas & Betts Co. Aluminum sheath cable connector. 2,986,409, 5–30–61, Cl. 285—161.
Weber, Walter H., to The Thomas & Betts Co. Square throat cable connector. 3,006,981, 10–31–61, Cl. 174—65.
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Weber, Wolfgang, and H. Grein, to Barmer Maschinenfabrik Aktiengesellschaft. Apparatus for the spinning, twisting and winding of thread. 2,969,197, 1–24–61, Cl. 242—37.
Weber, Wolfgang, and H. Lohest, to Barmer Maschinenfabrik Aktiengesellschaft. Means for controlling filament tension in winding apparatus. 2,978,195, 4–4–61, Cl. 242—45.
Weberling, Kurt. Apparatus for fastening magnetic tapes to motion-picture film strips. 2,982,003, 5–2–61, Cl. 29—33.
Weberman, Louis, to General Motors Corp. Seat adjuster. 2,978,009, 4–4–61, Cl. 155—14.
Weberman, Louis, to General Motors Corp. Seat adjuster. 3,013,763, 12–19–61, Cl. 248—429.
Webking, Henry E., to Thermal Engineering & Design Co. Modified action thermostat. 2,994,754, 8–1–61, Cl. 200—122.
Webster, Alfred B., to Shell Oil Co. Process for removing nitrogenous compounds from hydrocarbon oils. 2,971,906, 2–14–61, Cl. 208—254.
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Webster, Cecil E. Slug casting machine throat. 3,012,635, 12–12–61, Cl. 199—47.
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Webster, David R. Liquid dispersion conduit. 2,970,644, 2–7–61, Cl. 162—338.
Webster, David R. Pressure headbox construction. 3,009,517, 11–21–61, Cl. 162—339.

Webster Electric Co.: *See*—
Hipp, William J. 2,995,141.
Shields, George B. 2,975,672.
Shields, George B. 2,983,794.

Webster, George J., to Phillips Petroleum Co. Carbon black furnace fluid injector. 3,011,872, 12–5–61, Cl. 23—209.4.

Webster, George J., and E. F. Lawrence, to Phillips Petroleum Co. Carbon black furnace dual fluid injector. 3,013,865, 12–19–61, Cl. 23—259.5.

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Meier, Edwin H., Roark, Skelton, and Webster. 3,012,474.

Webster, Henry. Grain door. 2,971,579, 2–14–61, Cl. 160—368.

Webster, Henry N., to Webster Corp. Valves. 2,979,072, 4–11–61, Cl. 137—322.

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Webster, Robert A. 2,992,556.

Webster, Kenneth C. J., to United Shoe Machinery Corp. Machines for operating upon shoe soles. 2,996,740, 8–22–61, Cl. 12—88.

Webster, Kenneth L., W. M. Ball, and H. R. Coon, Sr., to Webwraps, Inc. Packaging machine. 2,971,305, 2–14–61, Cl. 53—59.

Webster, Milo E., to Otto Bernz Co., Inc. Combination dispensing and excess pressure relief valve. 3,005,577, 10–24–61, Cl. 222—397.

Webster, Philip S. Variable cam timing mechanism. 2,969,051, 1–24–61, Cl. 123—90.

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Webster, Robert A., to Webster Instrument, Inc. Force measuring apparatus. 2,973,641, 3–7–61, Cl. 73—141.

Webster, Robert A., to Webster Instrument, Inc. Force measuring instrument. 2,992,556, 7–18–61, Cl. 73—141.

Webster, Roger R., to Texas Instruments Inc. Tuned transistor amplifier with frequency and bandwidth stabilization. 3,014,186, 12–19–61, Cl. 330—24.

Webster, Roger R., and J. L. Nygaard, to Texas Instruments Inc. Automatic gain control system. 2,981,835, 4–25–61, Cl. 250—20.

Webster, Thomas J., to The British Oxygen Co. Ltd. Storage tanks for liquid oxygen and the like in rockets. 3,001,376, 9–26–61, Cl. 62—54.

Webster, Wendell H., to McGraw-Edison Co. Room air conditioner. 2,971,351, 2–14–61, Cl. 62—427.

Webster, William G., W. T. Cleminshaw, and C. H. Barricklow, to Parker-Hannifin Corp. Fuel injection nozzle. 3,013,732, 12–19–61, Cl. 239—404.

Webster, William M., Jr., to Radio Corp. of America. Semiconductor devices. 3,006,791, 10–31–61, Cl. 148—33.

Webster, William T., to Owens-Illinois Glass Co. Method of operating furnace. 3,008,800, 11–14–61, Cl. 23—48.

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Abbott, Harold W., and Wechsler. 2,981,881.
Abbott, Harold W., and Wechsler. 2,997,659.

Wechter, William J., L. C. Schroeter, and D. R. Buhler, to The Upjohn Co. 3-mono and 20-mono-oximes of 11β-hydroxy-5β-pregnane-3,20-dione and their corresponding 11-methyl, 11α-allyl and 11α-methallyl derivatives. 3,012,046, 12–5–61, Cl. 260—397.45.

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Weddendorf, Albert H., Jr. Control device for flowable materials. 2,992,657, 7–18–61, Cl. 137—625.41.

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Wedding, Leon E. Surface flotation system. 2,996,986, 8–22–61, Cl. 102—14.

Wedel, Per A., to Aktiebolaget Gotaverken. Steam power plant. 2,997,032, 8–22–61, Cl. 122—33.

Wedell, Hans: *See*—
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Strauss, Wennemar, and Wedell. 3,000,800.

Wedell, Hans, to Bohme Fettchemie GmbH. Preparation of hardenable water soluble condensation products and finishing of textile fabrics therewith. 2,978,359, 4–4–61, Cl. 117—103.

Wedell, Hans, to Bohme Fettchemie G.m.b.H. Foam producing composition. 3,008,905, 11–14–61, Cl. 252—307.

Wedemeyer, Karlfried: *See*—
Delfs, Detlef, and Wedemeyer. 2,995,608.

Wedensky, Alexander V., to Westinghouse Electric Corp. Apparatus for unloading, orienting and feeding articles. 2,975,911, 3–21–61, Cl. 214—8.5.

Wedensky, Alexander V. Hamper receiving and squaring apparatus. 2,980,272, 4–18–61, Cl. 214—307.

Weder, Eldon C., and T. D. Ulmet. Adjustable carrier for containers. 2,998,174, 8–29–61, Cl. 224—48.

Wedertz, Heinrich, to Durrwerke Aktiengesellschaft. Slag screen for vapor generating unit. 2,982,265, 5–2–61, Cl. 122—235.

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Wedig, Frank L., and D. S. Oliver, to Avco Mfg. Corp. Video amplifier. 3,003,114, 10–3–61, Cl. 330—70.

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Weeber, Carl H., and H. Schunck, to Elmore's Metall-Aktiengesellschaft. Process for the production of electric conductor material from copper having high conductivity. 2,975,110, 3–14–61, Cl. 204—9.

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Weedman, John A., to Phillips Petroleum Co. Separation by crystallization. 2,981,773, 4–25–61, Cl. 260—707.

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Weekman, Vern W., Jr., to Socony Mobil Oil Co., Inc. Hydrocracking of hydrocarbons. 2,971,900, 2–14–61, Cl. 208—59.

Weeks, Frank A. Collar stay. 2,992,434, 7–18–61, Cl. 2—132.

Weeks, John G., to Western Electric Co., Inc. Device for checking and indicating the position of portions of an article. 2,972,815, 2–28–61, Cl. 33—174.

Weeks, Ralph R., to W. E. Powell. Camp kit. 3,010,551, 11–28–61, Cl. 190—12.

Weeks, Richard W., and W. E. Dickinson, to International Business Machines Corp. Electro-optical point shutter. 2,983,824, 5–9–61, Cl. 250—217.

Weems, Philip V. H. Method for space navigation. 3,002,278, 10–3–61, Cl. 33—1.

Weesner, Fred P., to National Gypsum Co. Method of forming patterned tile and apparatus therefor. 2,983,083, 5–9–61, Cl. 51—119.

Wegel, Raymond L., and R. F. Wick, to Bell Telephone Laboratories, Inc. Wave translating systems. 2,982,924, 5–2–61, Cl. 333—6.

Wegener, Horst A. R., to Tung-Sol Electric Inc. Semiconductor field effect device. 2,975,344, 3–14–61, Cl. 317—235.

Wegener, Otto F. Tool holding and sharpening device. 2,998,683, 9–5–61, Cl. 51—216.

Weger, Ronald E. Manifold violation and complaint form. 2,980,447, 4–18–61, Cl. 282—22.

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Wegh, Emery M., to General Electric Co. Circuit breaker. 2,989,604, 6–20–61, Cl. 200—88.

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Malz, Hugo, Muller, and Wegler. 2,994,638.

Wegley, Wesley D., to Lear, Inc. Pitch control mechanism for aircraft. 2,975,351, 3–14–61, Cl. 318—489.

Wegmann, Jacques, and P. Stahel, to Ciba Ltd. Process for dyeing polyhydroxylated materials. 3,007,762, 11–7–61, Cl. 8—54.2.

Wegmann, Lienhard, to Trüb, Täuber, & Co., A.G. Irradiation system for an electron beam apparatus with cold cathode. 2,987,641, 6–6–61, Cl. 313—214.

Wegner, Claude. Magnetic switch. 2,971,068, 2–7–61, Cl. 200—67.

Wegner, Josef, to Globo Investment Trust. Luminous watch. 2,974,474, 3–14–61, Cl. 58—50.

Wegrzyn, Zenon, to Zipper Equipment Corp. Machine for automatically applying bottom stops to zipper tapes in one operation. 2,972,150, 2–21–61, Cl. 1—124.

Wehde, Heinz, to Telefunken G.m.b.H. Magnetic recording and scanning device for TV signals. 2,985,713, 5–23–61, Cl. 178—6.6.

Wehl, Glenn E., to Creativeering Inc. Coilant heater and control unit construction. 3,012,129, 12–5–61, Cl. 219—39.

Wehmer, Bruno F. Vacuum spatulator. 2,973,187, 2–28–61, Cl. 259—108.

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Wehn, Julius, to Farbenfabriken Bayer Aktiengesellschaft. Arrangement for separating out fine solid particles dispersed in gases. 3,004,627, 10–17–61, Cl. 183—83.

Wehn, Julius, and H. Rumpf, to Farbenfabriken Bayer Aktiengesellschaft. Arrangement for separating out fine solid particles dispersed in gases. 2,999,563, 9–12–61, Cl. 183—83.

Wehner, Alfred P. Latch mechanism. 2,981,560, 4–25–61, Cl. 292—207.

Wehner, Donald C., to American Cyanamid Co. Arsenosobenzene pesticide. 2,967,799, 1–10–61, Cl. 167—30.

Wehof, Hubert, to The Singer Mfg. Co. System for examining and locating noise in cyclically operating machines. 3,012,434, 12–12–61, Cl. 73—71.4.

Wehof, Hubert, and N. N. White, to The Singer Mfg. Co. Photoelectric generators. 3,011,080, 11–28–61, Cl. 310—2.

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Seybold, Frederick W. 2,997,149.

Wehrfritz, Hugo J.: *See*—
Kauffmann, Hugo J., Mentecki, Naistat, and Wehrfritz. 2,975,139.

Wehrle, George W. Shower head. 3,009,654, 11–21–61, Cl. 239—499.

Wehrli, Robert L., to Robertshaw-Fulton Controls Co. Radiant energy detection device. 2,978,581, 4–4–61, Cl. 250—43.5.

Wehrli, Walter: *See*—
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Wehrmann, Nicholas, to L & L Mfg., Inc. Process and apparatus for controlling shrinkage in and otherwise improving the characteristics of tubular fabrics. 3,007,223, 11-7-61, Cl. 26—18.6.

Wehrmann, Ralph F., to United States of America, Atomic Energy Commission. Pretreating uranium for metal plating. 2,982,702, 5-2-61, Cl. 204—1.5.

Wehrmann, Ralph F., to Fansteel Metallurgical Corp. Method of sintering intermetallic materials. 3,000,071, 9-19-61, Cl. 25—156.

Wehsely, Karl, and G. Haase, to Institut fur Landmaschinenu. Traktorenbau. Reversible driving mount for automotive vehicles. 2,984,311, 5-16-61, Cl. 180—6.34.

Wei, Ling, to Colgate-Palmolive Co. Controlling viscosity of synthetic detergent-soap shampoos. 3,001,944, 9-26-61, Cl. 252—117.

Weibel, Gerhard E., to Sylvania Electric Products Inc. Wave generators. 2,995,677, 8-8-61, Cl. 315—18.

Weibel, John, Jr., to United States of America, Army. Gun training and trigger mechanism. 2,968,223, 1-17-61, Cl. 89—41.

Weibel, Oscar, to Yarrows Ltd. Position control apparatus. 2,976,843, 3-28-61, Cl. 121—38.

Weibert, Bayard E., Jr. Oil drip catchers. 2,986,235, 5-30-61, Cl. 184—106.

Weibert, Bayard E., Jr. Airfoil evaporator with liquid distributor means. 2,990,700, 7-4-61, Cl. 62—527.

Weiblen, Erwin C. Device to stretch selected areas of shoe uppers. 2,983,936, 5-16-61, Cl. 12—11.54.

Weichel, Ernst. Device for spreading material at the discharge end of pneumatic conveyor tubes. 3,001,830, 9-26-61, Cl. 302—61.

Weichselbaum, Edwin G., to Biological Research, Inc. Laboratory equipment. 3,005,564, 10-17-61, Cl. 215—41.

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Weidel, Robert A.: *See*—
Kreidl, Norbert J., and Weidel. 3,007,804.

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Buslik, Walter S., and Weidenhammer. 3,012,775.
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Weidenhammer, James A., to International Business Machines Corp. Sheet feeding apparatus. 2,989,307, 6-20-61, Cl. 271—62.

Weidenhammer, James A., to International Business Machines Corp. Tape to card and card to tape converter. 2,990,538, 6-27-61, Cl. 340—172.5.

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Weidman, Floyd C., ⅛ to L. A. Ottenheimer. Hooks. 2,990,641, 7-4-61, Cl. 43—43.16.

Weidner, Charles L., and I. R. Dunlap, to The Dow Chemical Co. Clarification process. 2,995,512, 8-8-61, Cl. 210—54.

Weidner, Herbert: *See*—
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Weidner, Karl B., and H. Jaenicke, to Hoffmann, Erich Werkstatten Fur Optikund Prazisionsmechanik. Method and apparatus for measuring lengths by means of sound waves. 3,003,239, 10-10-61, Cl. 33—1.

Weidner, Urban A., to Burton-Dixie Corp. Combination sitting and sleeping piece. 2,972,754, 2-28-61, Cl. 5—17.

Weidt, Alvin L., to Store Equippers, Inc. Support for garment hangers. 2,968,408, 1-17-61, Cl. 211—87.

Weier, Jacob J. Traction devices. 2,966,932, 1-3-61, Cl. 152—182.

Weier, Jacob J. Traction devices. 2,973,995, 3-7-61, Cl. 305—13.

Weier, Jacob J. Traction devices. 3,012,824, 12-12-61, Cl. 301—43.

Weiertz, Axel H. Two-door automobiles with folding doors. 2,993,730, 7-25-61, Cl. 296—49.

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Sutherland, Carl F. 2,988,204.

Weigand, John: *See*—
Sutherland, Carl F. 2,988,204.

Weigel, John A.: *See*—
Weigel, Robert and J. A. 3,013,805.

Weigel, John R.: *See*—
Nystrom, Axel C., Reichelt, Waters, and Weigel. 2,977,747.

Weigel, Robert and J. A. Boat trailer skid attachment. 3,013,805, 12-19-61, Cl. 280—24.

Weigel, Robert M., and D. K. Whetstone. Goffered wire clip bank. 2,990,150, 6-27-61, Cl. 248—68.

Weigel, William J. Self-steering for toy vehicles. 2,983,074, 5-9-61, Cl. 46—213.

Weigert, Wilhelm, to Firma Robert Bosch G.m.b.H. Gear pump. 2,993,450, 7-25-61, Cl. 103—126.

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Benedict, Walter E., Weigle, and Dobry. 2,986,197.
Kolker, Leona G., Dobry, and Weigle. 2,986,198.

Weihe, Emil C., to Illinois Tool Works. Nut with swaged notches and retainer with portions received in the notches. 3,009,499, 11-21-61, Cl. 151—41.75.

Weijlard, John, and K. Pfister, III, to Merck & Co., Inc. N-[β-(p-acylaminophenyl) ethyl]-4-phenyl-4-carboethoxypiperidine compounds and processes of preparing the same. 2,969,368, 1-24-61, Cl. 260—294.3.

Weikal, Stanley E.: *See*—
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Weil, Edward D., to Hooker Chemical Corp. Production of hexachlorocyclopentenones. 2,996,548, 8-15-61, Cl. 260—586.

Weil, Edward D., to Hooker Chemical Corp. Production of halogenated compounds. 3,007,790, 11-7-61, Cl. 71—2.7.

Weil, Edward D., E. Dorfman, and J. Linder, to Hooker Chemical Corp. Herbicidal compounds and method for controlling broadleaf and grassy weeds therewith. 3,009,806, 11-21-61, Cl. 71—2.6.

Weil, Lester L., to Atlantic Research Corp. Nitrocellulose compositions and method for making same. 2,967,098, 1-3-61, Cl. 52—5.

Weil, Nicholas A., to The M. W. Kellogg Co. Method of welding a skirt to a cylindrical vessel. 2,967,352, 1-10-61, Cl. 29—479.

Weil, Roger M.: *See*—
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Weil, Sanford A., to Institute of Gas Technology. Absorption cooling cycle. 3,009,327, 11-21-61, Cl. 62—4.

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Weiland, John F.: *See*—
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Weiland, Richard H., and R. W. Hamilton, to Boeing Airplane Co. Cargo handling equipment for cargo airplanes. 3,002,719, 10-3-61, Cl. 244—137.

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Nissen, Oskar K., Maier, and Weiler. 2,973,085.

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Weiman, John J., ⅓ to A. J. Caglia. Collapsible container. 3,006,496, 10-31-61, Cl. 217—12.

Weimar, George P., Jr., to Philco Corp. Directive antenna system. 3,009,154, 11-14-61, Cl. 343—840.

Weimer, Charles L., and S. S. Fouse, to Westinghouse Electric Corp. Bus duct structures for electrical distribution systems. 2,970,245, 1-31-61, Cl. 317—120.

Weimer, Charles L., and S. S. Fouse, to Westinghouse Electric Corp. Distribution apparatus. 2,997,523, 8-22-61, Cl. 174—99.

Weimer, John H., to The Hubley Mfg. Co. Toy cap revolver with ejector. Re. 24,967, 4-18-61, Cl. 42—58.

Weimer, John H., to M. I. Glass. Toy cap gun with vibratable member producing sound of whining bullet. 2,996,823, 8-22-61, Cl. 42—57.

Wein, John F., and S. I. Wendell, to Stewart-Warner Corp. Constant pressure pumping apparatus. 2,971,470, 2-14-61, Cl. 103—150.

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Weinberg, Isidor. Jumping toy. 3,011,782, 12-5-61, Cl. 272—57.

Weinberg, Jerry J. Brassiere attachment. 2,992,646, 7-18-61, Cl. 128—465.

Weinberg, Mandel: *See*—
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Weinberg, Marvin A., to Johnson & Johnson. Isocyanate modified vinyl chloride copolymer film backed adhesive tape. 2,979,423, 4-11-61, Cl. 117—122.

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Nerney, Francis X., Easton, and Weinberg. 2,983,568.

Weinberg, Norman L., to Westinghouse Electric Corp. Bias circuit. 2,997,644, 8-22-61, Cl. 323—56.

Weinberger, Jan Viteslav. Device for monitoring the continuity of yarns, rovings and the like. 2,973,617, 3-7-61, Cl. 57—86.

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Weindling, Richard, to American Cyanamid Co. Production of puromycin. 2,985,564, 5–23–61, Cl. 195—80.
Weinecke, Laurence A., and O. L. Brekke, to United States of America, Agriculture. Vacuum-assisted method of tempering corn. 2,996,385, 8–15–61, Cl. 99—103.
Weiner, Benjamin F., to Chase Bottle & Supply Corp. Clinical thermometer retainer. 3,009,217, 11–21–61, Cl. 21—82.
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Weiner, Hilman. Toy with changeable facial features. 2,969,610, 1–31–61, Cl. 46—135.
Weiner, Joseph G., and C. W. Leggett, to The Ralph M. Parsons Co. Process for production of hydrogen and sulfur. 2,979,384, 4–11–61, Cl. 23—212.
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Weingart, Richard I. N., to Universal Controls, Inc. Inspection and projection device. 2,995,976, 8–15–61, Cl. 88—24.
Weingarten, Harold I., to Monsanto Chemical Co. Liquid dielectric composition and use thereof in an electrical capacitor. 2,977,516, 3–28–61, Cl. 317—258.
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Weininger, Joseph L., to General Electric Co. Solid electrolyte cell. 3,003,017, 10–3–61, Cl. 136—100.
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Weinman, Eric W., to General Motors Corp. Method of forming composite metal bearings. 2,977,673, 4–4–61, Cl. 29—196.3.
Weinmayr, Viktor, to E. I. du Pont de Nemours and Co. Rubber-like interpolymers of ethylene and two other monoolefins. 2,975,159, 3–14–61, Cl. 260—80.5.
Weinmayr, Viktor, to E. I. du Pont de Nemours and Co. Process for preparing a monoacyl dicyclopentadienyl iron. 2,988,562, 6–13–61, Cl. 260—439.
Weinmayr, Viktor, to E. I. du Pont de Nemours and Co. Process for preparing polyfluoro alkyl compounds. 2,992,276, 7–11–61, Cl. 260—614.
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Weinschel, Bruno O., to Weinschel Engineering Co., Inc. Inside-out attenuator for high-frequency coaxial lines. 3,002,166, 9–26–61, Cl. 333—81.
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Amdur, Charles J., and Weinstein. 2,999,523.
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Weinstein, Harold, to Hoffman Electronics Corp. Magnetic jig for alloying. 2,991,347, 7–4–61, Cl. 219—85.
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Carmack, Marvin, Shew, and Weinstock. 2,990,409.
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Weis, Konrad, and H. Kleiner, to Farbenfabriken Bayer Aktiengesellschaft. Azo dyestuffs and process and compositions for the dyeing of aromatic polyester fibres. 2,993,886, 7–25–61, Cl. 260—163.
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Weisgerber, Cyrus A., and J. W. Davis, to Hercules Powder Co. Method of sizing paper. 2,986,488, 5–30–61, Cl. 162—158.
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Weishaus, Albert. Heat sealing apparatus and method. 3,006,122, 10–31–61, Cl. 53—182.
Weisheit, Georg. Resistance thermometer. 2,971,379, 2–14–61, Cl. 73—362.
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Weiss, Charles, ⅛ to M. E. Sparrow, and ⅛ to S. Scholle. Cigarette filters. 2,992,648, 7–18–61, Cl. 131—10.
Weiss, David, to Daico Industries, Inc. Apparatus and method for making large plastic structures. 3,003,188, 10–10–61, Cl. 18—26.
Weiss, David, to Daico Industries, Inc. Boom. 3,003,579, 10–10–61, Cl. 182—13.
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Weiss, Francis, to Societe d'Electro-Chimie d'Electro-metallurgie et des Acieries Electriques d'Ugine. Method of extracting acrylamide from its reaction medium. 3,008,990, 11–14–61, Cl. 260—561.
Weiss, Gerhart. Catalytic heating system. 2,996,062, 8–15–61, Cl. 126—208.
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Weiss, Harold G., to Olin Mathieson Chemical Corp. Process of preparing an alkylated diborane. 2,977,390, 3–28–61, Cl. 260—606.5.
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Weiss, Walter J., C. O. Walker, and J. S. Brukner, to Texaco Inc. Method of converting an aqueous drilling fluid to a packer fluid. 2,975,127, 3–14–61, Cl. 252—8.55.
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Weller, Royal. Method for radar direction of missiles. 2,987,269, 6–6–61, Cl. 244—14.

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Welsh, Harvey W., to General Motors Corp. Interlocked blade shrouding. 2,971,743, 2–14–61, Cl. 253—77.

Welsh, Harvey W., to General Motors Corp. Rotor blade locks. 2,994,506, 8–1–61, Cl. 253—77.

Welsh, Harvey W., to General Motors Corp. Rotor blade lock. 3,000,613, 9–19–61, Cl. 253—77.

Welsh, Harvey W., to General Motors Corp. Rotor blade locks. 3,000,614, 9–19–61, Cl. 253—77.

Welsh, Harvey W., to General Motors Corp. Rotor blade lock. 3,001,759, 9–26–61, Cl. 253—77.

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Welsh, Herbert Frazer, to Sperry Rand Corp. Pulse group synchronizers. 2,991,452, 7–4–61, Cl. 340—172.5.

Welsh, Hewitt S., and H. O. Balough, to Clupak, Inc. Pressure loading means for traveling blankets. 3,011,545, 12–5–61, Cl. 162—361.

Welsh, James W., to Signal-Stat Corp. Thermostatic and magnetically actuated flasher. 3,011,037, 11–28–61, Cl. 200—113.

Welsh, Jay Y., to Manganese Chemicals Corp. Precipitation of manganese carbonate. 3,011,867, 12–5–61, Cl. 23—61.

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Lindblom, Frank W. 3,010,364.
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Welsh, Warren A., to Western Electric Co., Inc. Positioning devices. 3,000,241, 9–19–61, Cl. 77—64.

Welstein, Michel, to Raffinerie Tirlemontoise. Moulds for the production of slabs of sugar. 2,991,202, 7–4–61, Cl. 127—18.

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Wempe, Bernhard. Fine-adjustment device. 2,999,316, 9–12–61, Cl. 33—19.

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Wendelin, Pauli O.: *See*—
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Wender, Irving, and M. Orchin, to United States of America, Interior. Reduction of the thiophene nucleus. 3,002,002, 9–26–61, Cl. 260—332.2.

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Wendler, Norman L., to Merck & Co., Inc. 3-alpha-acyloxy-11-keto-D-homoetiocholololactone. 3,005,829, 10–24–61, Cl. 260—343.2.

Wendler, Norman L., and D. Taub, to Merck & Co., Inc. 12α-halo-11,21-bis-oxygenated-1,4-pregnadiene-3,20-diones. 2,973,375, 2–28–61, Cl. 260—397.45.

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Wendt, Guenther, to Vereinigte Aluminium-Werke Aktiengesellschaft. Method for the prodnction and recovery of sodium aluminum fluorides. 2,991,159, 7–4–61, Cl. 23—88.

Wendt, Guenther, to Vereinigte Aluminium-Werke Aktiengesellschaft. Process and installation for the dehydration of sludges. 3,001,293, 9–26–61, Cl. 34—8.

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Wengen, Henry R., to Fargo Mfg. Co., Inc. Electrical cable clamp-applying tool. 2,966,817, 1–3–61, Cl. 81—53.
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Wenham, Fred L., and S. J. Kosik, Jr. Vehicle splash guard and bracket. 3,006,658, 10–31–61, Cl. 280—154.5.
Wenig, Harold G., to United States of America, Army. Mechanical impact delay and firing device for fuze applications. 3,011,442, 12–5–61, Cl. 102—75.
Wenig, Harold G., to United States of America, Army. Centrifugal drive means for missile and fuze applications. 3,013,496, 12–19–61, Cl. 102—80.
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Wennerberg, Fritz J., and K. B. Hansen, to Aktiebolaget Separator. Apparatus for controlling a variable quantity such as temperature or pressure. 2,981,274, 4–25–61, Cl. 137—85.
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Wente, Robert J., to General Motors Corp. Turboprop engine idling control. 2,978,034, 4–4–61, Cl. 170—135.72.
Wente, Robert J., to General Motors Corp. Fuel control. 3,008,515, 11–14–61, Cl. 158—36.4.
Wentorf, Robert H., Jr., to General Electric Co. Diamond material. 2,996,763, 8–22–61, Cl. 18—47.5.
Wentworth, Robert B., and K. L. Strachan, to R. R. Donnelley & Sons Co. Alloy printing plate and method of making it. 3,008,409, 11–14–61, Cl. 101—395.
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Wentzel, Richard R., to Wentzel Carbide Tool Co., Inc. Teeth for reciprocating stone cutting saw blade. 2,969,053, 1–24–61, Cl. 125—22.
Wenz, Adolf, G. Gottmann, and H. Koop, to E. Merck, Aktiengesellschaft, Darmstadt. Novel derivatives of cocarboxylase. 2,991,284, 7–4–61, Cl. 260—256.6.
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Wenzel, Alfred, to Gebrüder Welger, Maschinenfabrik. Pick-up baler. 2,970,423, 2–7–61, Cl. 56—341.
Wenzel, Frederick A., to St. Regis Paper Co. Service tray. 3,001,684, 9–26–61, Cl. 229—28.
Wenzel, Philip D., to J. I. Case Co. Reversible disc plow. 2,999,548, 9–12–61, Cl. 172—212.
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Wenzel, Victor A. Method and apparatus for welding. 3,002,081, 9–26–61, Cl. 219—76.
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Wenzelberger, Elwood P., to Union Carbide Corp. Method and apparatus for dehydration. 3,004,397, 10–17–61, Cl. 62—123.
Wenzell, Louis P., Jr., and L. G. Lovin, Jr., to Celanese Corp. of America. Bonded batting, or non-woven fabric. 2,978,785, 4–11–61, Cl. 28—72.2.
Wepsala, George B., Jr., to Jersey Production Research Co. Full hole permanent drill bit. 2,966,949, 1–3–61, Cl. 175—329.
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Werner, Frank R., J. M. Jackson, R. F. Wooster, K. C. Flint, and C. W. Topper, to The National Cash Register Co. Balance totalizer control means for cash registers and accounting machines. 2,974,860, 3–14–61, Cl. 235—7.
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Werner, Günther, to Hanseatische Motoren-Gesellschaft G.m.b.H. Control for textile drawing frames. 3,012,288, 12–12–61, Cl. 19—70.
Werner, Günther, and H. Basler, to Hanseatische Motoren-Gesellschaft, m.b.H. Apparatus for winding or reeling continuous strands of material. 2,983,456, 5–9–61, Cl. 242—54.4.
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Werner, Johannes. Guide mechanism. 2,968,513, 1–17–61, Cl. 296—137.
Werner, Johannes, to H. T. Golde, G.m.b.H. & Co. K.G. Slidable roof structure for vehicles. 2,973,990, 3–7–61, Cl. 296—137.
Werner, Johannes, to H. T. Golde, G.m.b.H. & Co. K.G. Control device. 2,973,991, 3–7–61, Cl. 296—137.
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Werner, Johannes, to H. T. Golde, G.m.b.H. & Co. K.G. Guide shoes for guiding movable roofs along guide rails. 3,005,226, 10–24–61, Cl. 16—93.

Werner, John K., to Bell Telephone Laboratories, Inc. Powder metallurgy process. 3,004,332, 10–17–61, Cl. 29—182.5.

Werner, Leo C., to Westinghouse Electric Corp. Lamp base. 2,999,220, 9–5–61, Cl. 339—146.

Werner, Lincoln H., to Ciba Pharmaceutical Products, Inc. N-substituted morphanthridine compounds. 2,973,354, 2–28–61, Cl. 260—239.

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Werner, Robert O. Rear compression two stroke cycle internal combustion engine with connecting rod actuated arcuate valve. 3,003,486, 10–10–61, Cl. 123—74.

Werner, Robert V., R. C. Weaver, and J. W. Crooks, Jr., to General Dynamics Corp. Transmitter receiver. 2,972,047, 2–14–61, Cl. 250—15.

Werner, Robert V., W. J. Zable, W. J. Thompson, and A. E. Noyes, to Cubic Corp. Multiple-target tracking system. 2,976,530, 3–21–61, Cl. 343—112.

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Werner, Walter, ⅓ to Willi Muller, and ⅓ to Josef Muller. Tool guiding device for guiding a tool along the curves of intersection of two intersecting cylindrical tubes. 2,974,415, 3–14–61, Cl. 33—21.

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Slocombe, Robert J., and Wesp. 2,984,651.

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Wessel, Hans. Vacuum cleaner nozzle. 2,974,348, 3–14–61, Cl. 15—399.

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West, Fred W., to Minnesota Mining and Mfg. Co. Thermally stable viscous composition containing a chlorfluorinated alkane oil. 2,992,991, 7–18–61, Cl. 252—78.

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West, Harry B., to E. I. du Pont de Nemours and Co. Polyvinyl fluoride resins stabilized with an alkali metal formate. 2,996,478, 8–15–61, Cl. 260—45.85.

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Boyce, Walter A., and Mistler. 2,995,482.
Braun, Herman J. 3,010,040.
Breedon, David B., Carleton, and Ferguson. 2,979,652.
Brittain, Willard M. 2,997,638.
Brown, Jack T. 2,977,223.
Brown, Jack T., Mueller, France, and Cochardt. 2,981,-620.
Brown, Thomas F. 2,989,612.
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Buchanan, Leslie B. M. 3,005,319.
Burnell, Anthony W. 2,983,435.
Burt, Donald A., and Cook. 2,980,264.
Byerley, Wilbur M., and Wolff. 3,007,679.
Calhoun, Howard J. 2,973,460.
Campbell, Phillip B. 2,982,095.
Cannady, Daniel L., Jr. 2,976,889.
Carbo, Edward J., and Seehusen. 3,005,894.
Carbone, Victor T., and Clark. 2,985,774.
Carissimi, Vincent L. 2,999,144.
Carter, Leroy C., and Creeger. 3,005,323.
Cattabiani, Eugene J. 2,994,795.
Cellerini, Albert R., and Ricci. 2,989,607.
Cerulli, Nicholas F. 3,005,721.
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Chabala, Leonard V. 2,972,709.
Cham, Edward J., and Derr. 3,014,171.
Chauvin, David M. 2,985,847.
Chester, Peter F., and Wagner. 3,014,188.
Chevalier, Jean G. 2,973,462.
Claypool, Harry W. 2,997,622.
Cobb, William R., and Nelson. 2,982,114.
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Cocoros, Anthony E., and Mathias. 2,970,432.
Cope, Richard P., Jr., Harrover, and Ceresa. 2,972,572.
Coppa, Anthony P. 2,970,808.
Cornell, Archie R., and Wyman. 2,977,555.
Cornish, Albert J. 2,977,400.
Croop, Edward J., and Vondracek. 3,013,913.
Cyrus, Alva E. 2,995,649.
Dailey, Hampton J., and Larson. 3,010,046.
Daines, Geoffrey A. 2,976,035.
Davis, Pearl C. 2,980,483.
De Paul, Alseno S., and Morse. 2,970,236.
Derr, Willard A., and Metz. 2,993,194.
Dixon, Austin, and Spierto. 2,984,903.
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Dobbie, James. 2,977,486.
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Dobbie, Robert W. 3,009,338.
Dobry, Alan. 2,985,706.
Dolphin, Thomas J., and Roberts. 2,993,158.
Dorfman, Hiller D., and Reichert. 3,009,036.
Dorfman, Hiller D., and Reichert. 3,009,038.
Dreifke, Raymond F. 2,970,429.
Dunn, Lewis H., and Trigg. 2,993,980.
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Ellis, Belvin B. 2,972,804.
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Elmer, William B. 2,988,991.
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Farr, Kenneth E. 2,977,409.
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Hanna, Clinton R. 2,976,052.
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Harder, Edwin L. 3,005,589.
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Jacob, Mark I. 2,989,624.
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Kalbow, Theodore W. 2,966,739.
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Klokow, Richard E., and Gasperetti. 3,007,105.
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Kuhn, Earl C. 2,972,689.
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Kyle, William K. 2,981,479.
Lackey, Robert S., and Meess. 2,973,627.
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MacGregor, Dean J. 2,977,519.
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McDougal, Thomas F. 3,013,927.
McGinnis, Ralph E. 2,999,669.
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Meess, Jack D., and Frantti. 2,998,707.
Meister, George, and Lopenski. 2,995,463.
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Moore, Harold R., Albright, and Evans. 2,993,183.
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Moy, Tsoy K. 2,972,860.
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Newberry, Melgs W. 3,010,292.
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Penney, James H. 2,970,233.
Perkins, Harley A., Jr. 2,985,818.
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Philips, John. 2,967,793.
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Pierce, Lawrence, and White. 2,993,152.
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Pittman, George F., Jr., Decker, and Jones. 2,985,772.
Pizzi, Albert L. 2,975,921.
Place, Mark I. 2,976,848.
Plagge, Vernon L., and Beese. 3,010,045.
Plishker, Herbert E. 2,973,451.
Powell, William J. 3,005,889.
Prines, Frank J. 2,970,298.
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Quintino, Luis E., Jacobs, and Stringer. 2,985,811.
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Rahaim, Thomas J., and Reike. 3,007,308.
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Ramsey, William R. 2,976,776.
Rayburn, Vincent A. 2,969,437.
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Reeder, James R., and Ernsberger. 2,977,511.
Reichert, Howard E., and Flick. 3,009,035.
Reuther, John F. 3,002,143.
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Richer, Benjamin F., Jr., and Morey. 2,993,136.
Riesz, Kolman, and Rich. 2,970,243.
Rimbach, Henry W. 2,968,626.
Rimbach, Henry W. 2,999,070.
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Ringelman, John F. 2,972,715.
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Roese, David W., and Rasmussen. 2,976,715.
Roesel, John F., Jr., and Lucky. 2,977,550.
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Roethlisberger, Arthur C. 2,977,449.
Rogers, Dow A., Jr., and Hillen. 2,970,231.
Rohm, Alfred J. 2,983,700.
Rohrer, Kenneth L., and Diffenderfer. 2,997,429.
Roof, James L. 2,996,653.
Rosa, John. 2,977,481.
Rosenberg, Barnett. 2,972,693.
Rowe, William D. 2,989,663.
Runk, Robert H., and Edelman. 2,977,333.
Sack, Edgar A., Jr. 2,969,481.
Sajben, Miklos. 2,996,282.
Sampson, Ronald N. 2,989,657.
Sandin, Jerome. 2,979,590.
Sanford, Stuart P. 3,005,546.
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Sattler, Frank A., and Rogers. 3,009,896.
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Saxe, Harold A. 2,972,146.
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Schneeberger, Robert J. 3,001,098.
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Schrameck, Jack E. 2,970,198.
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Smith, Harry B., and Mooney. 2,997,708.
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Soderman, George W. 2,970,733.
Sonnemann, William K. 2,973,459.
Sonnenberg, Charles F. 3,001,005.
Sorokin, Victor G., and Wolanin. 2,972,711.
Squires, Rathbun B. 2,985,765.
Stahl, Walter. 2,976,441.
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Stringer, Loren F. 3,000,243.
Strom, Albert P., and Fischer. 3,008,017.
Stuart, Hugh D. 2,985,835.
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Suarez, Joseph. 2,992,371.
Sulmer, Fred U. 2,969,683.
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Svensson, Emil L., Hamby, and Higby. 2,972,743.
Swaneck, Anthony J., Jr. 2,986,440.
Swartout, Willson C. 2,989,678.
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Triteline, Charles F. 2,966,812.
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Van Ness, Hubert W., and Hartwig. 2,970,271.
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Wagner, Howard A. 2,993,153.
Walker, Alec H. B. 3,011,093.
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Wallace, John W., Hull, and Moore. 2,972,268.
Wallace, John W., Hull, and Moore. 2,972,269.
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Winkler, Frederic C., and Picha. 2,980,880.
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Wright, Robert L., Jr. 2,985,016.
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Westphal, Milton C., to Kasper Wire Works. Coin-operated rack for newspapers or the like. 2,984,326, 5–16–61, Cl. 194—59.

Westphalen, Kurt. Induction motors. 2,971,106, 2–7–61, Cl. 310—166.

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Wettstein, Albert, E. Vischer, and C. Meystre, to Ciba Pharmaceutical Products Inc. 14α-hydroxy-18-oxygenated pregnenes. 3,000,884, 9–19–61, Cl. 260—239.57.

Wettstein, Albert, K. Heusler, H. Ueberwasser, and P. Wieland, to Ciba Pharmaceutical Products Inc. 18-oxygenated steroids and process for their synthesis. 3,002,970, 10–3–61, Cl. 260—239.55.

Wettstein, Albert, K. Heusler, H. Ueberwasser, and P. Wieland, to Ciba Pharmaceutical Products Inc. 18-oxygenated steroids and process for their manufacture. 3,002,971, 10–3–61, Cl. 260—239.55.

Wettstein, Albert, K. Heusler, H. Ueberwasser, and P. Wieland, to Ciba Pharmaceutical Products Inc. 18-oxygenated steroids and process for their synthesis. 3,002,972, 10–3–61, Cl. 260—239.55.
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Morris, Harold H., Moore, and Stone. 3,003,347.
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White, Alvin C. Piston-type cleaner for pipe lines. 2,974,337, 3–14–61, Cl. 15—104.06.
White, Andrew J. Safety apparatus for highways. 2,974,934, 3–14–61, Cl. 256—13.1.
White, Arnold G., to Consolidated Mining and Smelting Co. of Canada Ltd. Anodic treatment of zinc and zinc-base alloys. 3,011,958, 12–5–61, Cl. 204—56.
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White, Eldridge S., to Robbins Tire and Rubber Co., Inc. Tire pressure retainer mounting for tire retreading molds. 2,989,779, 6–27–61, Cl. 18—18.
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White, George S. Monitoring equipment. 3,007,015, 10–31–61, Cl. 179—175.2.
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White, Gerald E. Soft-water system. 2,981,415, 4–25–61, Cl. 210—149.
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White, Herbert M., and A. M. Pressley, to Riegel Textile Corp. Method and means for weaving fabrics with portions of different pick count. 3,010,482, 11–28–61, Cl. 139—99.
White, Herschel T., and A. J. Passannante, to Esso Research and Engineering Co. Polymerized ethylene lubricating oils. 2,993,942, 7–25–61, Cl. 260—683.15.
White, Hosea D., Jr., and H. J. McGinty, to ACF Industries, Inc. Jet engine flight temperature characteristics simulator. 3,003,251, 10–10–61, Cl. 35—12.
White, Howard T. Fluid pressure systems. 2,970,546, 2–7–61, Cl. 103—51.
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White, John R., to Hazeltine Research, Inc. Detector system particularly for color-television receivers. 2,996,572, 8–15–61, Cl. 178—5.4.

White, John T. Composite plastic metal gear and method of making same. 3,013,440, 12–19–61, Cl. 74—446.
White, John U., to The White Development Corp. Apparatus for reducing effect of scattered light in monochromators. 3,004,465, 10–17–61, Cl. 88—14.
White, Joseph C., and G. W. Work, to United States of America, Navy. Method of producing oxygen and hydrogen by electrolysis. 2,984,607, 5–16–61, Cl. 204—129.
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White, Rex V. Parking attachment for automobiles. 3,005,508, 10–24–61, Cl. 180—1.
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Hamlett, Sidney J. 2,971,485.
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Whitehead, Edwin C., A. Ferrari, Jr., and J. Isreeli, to Technicon Chromatography Corp. Chromatographic analyzing and recording apparatus and method. 3,010,798, 11–28–61, Cl. 23—230.
Whitehead, Edwin C., A. Ferrari, Jr., and J. Isreeli, to Technicon Chromatography Corp. Analysis and recording apparatus. 3,010,800, 11–28–61, Cl. 23—253.
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Whitehurst, Harry B., and W. P. Warthen, to Owens-Corning Fiberglas Corp. Metal applicator for filamentary material. 2,977,929, 4–4–61, Cl. 118—401.

Whitehurst, Harry B., A. R. Morrison, and T. J. Collier, to Owens-Corning Fiberglas Corp. Metal coated glass fibers and method of making them. 2,979,424, 4–11–61, Cl. 117—227.
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Whitehurst, Joe R., to Ideal Industries, Inc. Driving means for textile machines. 2,975,489, 3–21–61, Cl. 19—159.
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Whitlock, Robert A., to Aquamatic Inc. Multiple flow valve. 3,007,495, 11–7–61, Cl. 137—624.18.
Whitlock, Robert A., and C. C. Jouse, to AquaMatic Inc. Liquid level control. 2,991,793, 7–11–61, Cl. 137—67.
Whitlock, Robert A., and H. H. Anderson, to Aqua Matic Inc. Float valve. 3,005,465, 10–24–61, Cl. 137—391.
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Wiggermann, Georg, ½ to W. Reiners. Mechanical power converter of variable transmission ratio. 2,972,899, 2–28–61, Cl. 74—329.

Wiggermann, Georg, ½ to W. Reiners. Ship propulsion and steering systems. 3,013,519, 12–19–61, Cl. 115—35.

Wiggins, E. B., Oil Tool Co., Inc.: *See*—
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Fleck, Raymond N., and Wight. 2,988,578.
Fleck, Raymond N., and Wight. 2,999,861.
Fleck, Raymond N., and Wight. 3,005,826.
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La Rue, Mervin W., Jr., and Wightman. 2,996,965.

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Wigner, Eugene P., and A. M. Weinberg, to United States of America, Atomic Energy Commission. Means for producing plutonium chain reactions. 2,969,311, 1–24–61, Cl. 204—193.2.

Wigner, Eugene P., L. A. Ohlinger, and G. J. Young, to United States of America, Atomic Energy Commission. Bellows seal on reactor coolant tube. 2,975,115, 3–14–61, Cl. 204—193.2.

Wigner, Eugene P., L. Szilard, R. F. Christy, and F. L. Friedman, to United States of America, Atomic Energy Commission. Massive leakage irradiator. 2,986,510, 5–30–61, Cl. 204—193.2.

Wigner, Eugene P., G. J. Young, and A. M. Weinberg, to United States of America, Atomic Energy Commission. Method and apparatus for controlling neutron density. 2,990,357, 6–27–61, Cl. 204—193.2.

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Wilbushewich, Eugen. Methods and machines for the rapid production of ice. 2,967,402, 1–10–61, Cl. 62—73.

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Wilcox, Clinton S., and J. P. La Forest, to General Railway Signal Co. Regulated transistor power supply. 2,979,653, 4–11–61, Cl. 323—22.

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Wilcox, Dwight D., Jr., to United States of America, Navy. Target tracking system. 2,997,588, 8–22–61, Cl. 250—83.3.

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Wildhaber, Ernest. Toothed member. 2,971,788, 2–14–61, Cl. 287—103.

Wildhaber, Ernest. Method and apparatus for cutting toothed articles. 2,975,681, 3–21–61, Cl. 90—10.

Wildhaber, Ernest. Method for form-cutting teeth on non-cyclindrical blanks. 2,976,773, 3–28–61, Cl. 90—10.

Wildhaber, Ernest. Method and apparatus for cutting gears. 2,978,964, 4–11–61, Cl. 90—5.

Wildhaber, Ernest. Method and means for cutting spiral teeth. 2,984,158, 5–16–61, Cl. 90—8.

Wildhaber, Ernest. Method and apparatus for cutting gears. 3,012,480, 12–12–61, Cl. 90—10.

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Wiley, Verlis H., J. P. Rug, and L. S. Trefethen. Automobile headlight control system. 2,984,721, 5–16–61, Cl. 200—98.

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Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. Heating and ventilating system for motor vehicles. 2,984,415, 5–16–61, Cl. 237—12.3.

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Wilfert, Karl, to Daimler-Benz Aktiengesellschaft. Automobile body doors. 2,993,729, 7–25–61, Cl. 296—28.

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Wilke, Gunther, to Studiengesellschaft Kohle m.b.H. Cyclododecadiene monoepoxide, and its production from cyclododecatrienes. 3,014,928, 12–26–61, Cl. 260—348.

Wilke, Gunther, and H. Müller, to Studiengesellschaft Kohle m.b.H. Process for the production of cyclododecatri (1,5,9)-enes concurrently with other cyclic hydrocarbons. 2,979,543, 4–11–61, Cl. 260—666.

Wilke, Gunther, and R. Rienäcker, to Studiengesellschaft Kohle M.b.H. Process for the preparation of trivinyl cyclohexanes. 3,011,003, 11–28–61, Cl. 260—666.

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Wilkins, Richard A., to Revere Copper and Brass Inc. Tubes for structural and fluid conducting purposes, and methods of making the same. 3,004,330, 10–17–61, Cl. 29—157.3.

Wilkins, Richard A., to Revere Copper and Brass Inc. Method of making internally slitted strip material. 3,010,200, 11–28–61, Cl. 29—529.

Wilkins, Richard A., and M. H. Dubilier, to Revere Copper and Brass Inc. Strip material having expansible slits. 2,982,012, 5–2–61, Cl. 29—157.

Wilkins, Robert E., D. C. Smith, and W. G. Flieder, to Minneapolis-Honeywell Regulator Co. Improvements in flexible tape handling apparatus. 2,990,990, 7–4–61, Cl. 226—97.

Wilkins, William B. Laminated container. 2,993,634, 7–25–61, Cl. 229—35.

Wilkinson, Alvin H., to Cabot Corp. Automatic spooling or reeving device. 2,990,136, 6–27–61, Cl. 242—157.1.

Wilkinson, Alvin H., to Cabot Corp. Temperature-controlled brake system. 3,006,442, 10–31–61, Cl. 188—264.

Wilkinson, Chester J.: *See*—
Gold, John, and Wilkinson. 2,998,343.

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Wilkinson, Ernest J., to Sylvania Electric Products Inc. Circularly polarized slot antenna. 2,972,147, 2–14–61, Cl. 343—767.

Wilkinson, George S. Time controlled apparatus. 2,968,706, 1–17–61, Cl. 200—33.

Wilkinson, Herbert F.: *See*—
Deering, Roland F., and Wilkinson. 2,987,886.

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Wilkinson, Raymond G., T. L. Fields, and A. S. Kende, to American Cyanamid Co. Substituted trioxo-octahydroanthracenes and octahydronaphthacenes. 3,002,993, 10–3–61, Cl. 260—473.

Wilkinson, Raymond G., and T. L. Fields, to American Cyanamid Co. 2-(substituted-benzyl)-1,3-propanedicarboxylic acids. 3,013,069, 12–12–61, Cl. 260—521.

Wilkinson, Robert H., to United States of America, Navy. Circuits for obtaining four quadrant analogue multiplication. 3,000,565, 9–19–61, Cl. 235—178.

Wilkinson, Rudolph P. Method and means for producing high viscosity oils and loosely consolidated sands from low pressure reservoirs. 2,988,998, 6–20–61, Cl. 103—1.

Wilkinson, Samuel C. W., to Crane Packing Ltd. Mechanical, resilient pressure-applying devices. 2,968,477, 1–17–61, Cl. 267—1.

Wilkinson Sword Ltd.: *See*—
Bennett, Arthur J., and Thurlby. 2,974,314.

Wilkinson, Thomas B.: *See*—
Melton, James O., and Wilkinson. 2,995,381.
Melton, James O., and Wilkinson. 2,999,709.
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Wilkinson, Virginia M. Water ski handle and reel for rope. 3,011,734, 12–5–61, Cl. 242—96.

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Wilkinson, Walter B., 1/40 to J. C. Mulvihill, 1/40 to R. C. Craig, Jr., 1/20 to N. E. Struempler, 1/40 to G. Mercier, Jr., and 1/40 to J. E. Holmes. Index tabs and production thereof. 3,001,306, 9–26–61, Cl. 40—23.

Wilkinson, Weldon C., to Rowan Controller Co., Inc. Electrical distribution system. 3,003,083, 10–3–61, Cl. 317—99.

Wilkinson, Weldon C., to Rowan Controller Co. Electrical distribution system. 3,003,084, 10–3–61, Cl. 317—99.

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Wilkinson, William K.: *See*—
Webb, Myron Q., and Wilkinson. 2,992,209.

Wilkinson, William K., to E. I. du Pont de Nemours and Co. Polymers of acrylonitrile. 2,983,712, 5–9–61, Cl. 260—79.3.

Wilkinson, William K., to E. I. du Pont de Nemours and Co. Process for polymerizing monomeric mixtures. 3,002,958, 10–3–61, Cl. 260—85.5.

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Wilkoff, Arthur E., to Youngstown Steel Car Corp. Anchor rail for freight vehicles. 2,989,010, 6–20–61, Cl. 105—369.

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Will, Theodore, to Fund-Del Inc. Cover lock for book match packages. 2,996,174, 8–15–61, Cl. 206—29.

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Willard, David S., to United States of America, Air Force. Wave trap enabling simultaneous receiving and transmitting from same antenna. 3,015,099, 12–26–61, Cl. 343—180.

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Willems, Ebertus, and A. J. W. M. van Oberbeek, to North American Philips Co., Inc. Electrical control circuit. 2,986,648, 5–30–61, Cl. 307—88.5.

Willems, Jozef F., and A. E. Van Hoof, to Gevaert Photo-Producten N.V. Photographic tanning developer. 2,967,772, 1–10–61, Cl. 96—66.

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Willemse, Theo W., to North American Philips Co., Inc. Semiconductor device. 2,981,876, 4–25–61, Cl. 317—235.

Willemse, Theo W., and J. A. Manintveld, to North American Philips Co., Inc. Method of alloying a rectifying connection to a semi-conductive member, and semi-conductive devices made by said method. 2,990,502, 6–27–61, Cl. 317—240.

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Williams, Barney W., D. R. Smith, and W. T. McMichael, to Phillips Petroleum Co. Solid composite rubber base ammonium nitrate propellant cured with metal oxide. 2,995,429, 8–8–61, Cl. 52—.5.

Williams, Barney W., D. R. Smith, and W. T. McMichael, to Phillips Petroleum Co. Rubber base ammonium nitrate composite propellant cured with milori blue. 2,996,370, 8–15–61, Cl. 52—.5.

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Williams, Beverly E., to Hodges Research and Development Co. Processes for the tendering of meat. 2,999,020, 9–5–61, Cl. 99—107.

Williams, Beverly E., to Hodges Research and Development Co. Process for the tenderizing of meat using water. 3,006,768, 10–31–61, Cl. 99—107.

Williams, Billy O., and J. L. Combination table, sand box or wading pool. 3,006,705, 10–31–61, Cl. 311—3.

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Williams, Chester I. Support plates for tie down system for concrete forms. 2,976,596, 3–28–61, Cl. 25—131.

Williams, Chester I. She-bolt form spacer. 2,981,998, 5–2–61, Cl. 25—131.

Williams, Chester I. Concrete form hardware. 2,994,937, 8–8–61, Cl. 25—131.5.

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Williams, Emil F., and N. T. Woodberry, to American Cyanamid Co. Purification of salts of dialkyl esters of sulfosuccinic acid. 3,002,995, 10–3–61, Cl. 260—481.

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Williams, Forrest V., to Monsanto Chemical Co. Process for the production of boron phosphide. 2,984,577, 5–16–61, Cl. 106—65.

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Williams, Frederic C., T. Kilburn, M. H. A. Newman, and G. C. Tootill, to International Business Machines Corp. Electronic digital computing devices. 3,012,724, 12–12–61, Cl. 235—157.

Williams, Frederic C., T. Kilburn, and G. C. Tootill, to International Business Machines Corp. Electronic digital computing devices. 3,012,725, 12–12–61, Cl. 235—157.

Williams, Frederic C., T. Kilburn, G. C. Tootill, and A. A. Robinson, to International Business Machines Corp. Electronic digital computing devices. 3,012,726, 12–12–61, Cl. 235—157.

Williams, Frederic C., and T. Kilburn, to International Business Machines Corp. Electronic digital computing devices. 3,012,727, 12–12–61, Cl. 235—165.

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Williams, Gerald I., and W. H. Ingersoll, to Transistor Electronics Corp. Mounting assemblage for electrical circuits. 2,983,892, 5–9–61, Cl. 339—18.

Williams, Gladys, to Schiller Bros., Inc. Petticoat or the like. 2,996,725, 8–22–61, Cl. 2—211.

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Williams, Gordon E., C. G. Wyman, and P. N. Kaufman, to Dayco Corp. Pneumatic tire. 2,971,552, 2–14–61, Cl. 152—209.

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Williams, Harold M. G., to Portals Ltd. Methods of making webs of fibrous materials. 3,000,777, 9–19–61, Cl. 162—135.

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Williams, John H., to Oak Mfg. Co. Push rod mechanism. 2,973,664, 3–7–61, Cl. 74—483.
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Williams, John K., to E. I. du Pont de Nemours and Co. Tricyanomethyl aromatic compounds and process for preparing them. 2,995,597, 8–8–61, Cl. 260—465.
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Williams, Johnnie. Automatic lift and parking apparatus. 3,002,577, 10–3–61, Cl. 180—1
Williams, Johnny L.: *See*—
Williams, Billy O. and J. L. 3,006,705.
Williams, Joseph C. Trash can and support assemblies. 2,998,952, 9–5–61, Cl. 248—156.
Williams, Judson. Boring tool. 2,991,667, 7–11–61, Cl. 77—58.
Williams, Kenneth B., to Wendy Boston Playsafe Toys Ltd. Eyes for dolls, soft toys, furs for wear and the like. 2,991,588, 7–11–61, Cl. 46—165.
Williams, Kenneth G., and J. R. Green, to Vickers Ltd. Head-pieces for pressurized clothing. 2,978,708, 4–11–61, Cl. 2—3.
Williams, Kenneth G., and L. Fisher, to Vickers Ltd. Head-pieces for protective clothing. 3,001,199, 9–26–61, Cl. 2—6.
Williams, Kenneth G. D., R. C. Smith, and P. E. Graham, to A. H. Hunt (Capacitors) Ltd. Electrical capacitors. 3,012,176, 12–5–61, Cl. 317—258.
Williams, L G. Three-dimensional therapy. 2,975,786, 3–21–61, Cl. 128—65.
Williams, La Vergne E., and G. Birkel, Jr., to Radiation, Inc. Angular accelerometers. 2,991,339, 7–4–61, Cl. 200—61.46.
Williams, Lawrence S., to Toledo Scale Corp. Rigidly mounted spring counterforce. 3,009,523, 11–21–61, Cl. 177—168.
Williams, Leo C., and C. P. Rounsefell, to Minnesota Mining and Mfg. Co. Apparatus for mounting films and other inserts in cards. 2,987,099, 6–6–61, Cl. 154—1.6.
Williams, Leonard E., M. R. Jones, and J. V. Pennington, to Cameron Iron Works, Inc. Wellhead apparatus. 3,004,778, 10–17–61, Cl. 285—137.
Williams, Leslie A., and J. D. Knowles, to Eastman Kodak Co. Photographic silver halide diffusion transfer process. 2,987,396, 6–6–61, Cl. 96—29.
Williams, Leslie F.: *See*—
Staunton, Joseph P., and Williams. 3,009,699.
Williams, Lynn A., to Anocut Engineering Co. Electrolytic hole sinking. 3,002,907, 10–3–61, Cl. 204—143.
Williams, Lynn H.: *See*—
Williams, Clara S. and L. H. 2,976,541.
Williams, Marion R. Basket rack and conveyor mechanism therefor. 3,002,468, 10–3–61, Cl. 104—121.
Williams, Milus O. Anti-skid pad for bootblack's stand. 2,986,763, 6–6–61, Cl. 15—265.
Williams, Murray E. Retaining dog for axially-movable locking member in a door lock mechanism. 3,001,810, 9–26–61, Cl. 292—169.
Williams, Murray E., to Dexter Industries Inc. Key assembly retention system. 3,011,331, 12–5–61, Cl. 70—216.
Williams, Neal T.: *See*—
Collier, Donald W., Whitney, and Williams. 2,994,746.
Williams, Newton H., to R. W. Logan. Flaying implement. 2,974,413, 3–14–61, Cl. 30—219.
Williams, Norman C., to Power Brake Equipment Co. Diesel engine vacuum pump. 3,003,823, 10–10–61, Cl. 303—12.
Williams, O. C.: *See*—
Rash, Albert, and Ballard. 3,006,501.
Williams, Orlan G. Method and apparatus for measuring wall thickness. 2,975,281, 3–14–61, Cl. 250—65.
Williams, Paul D.: *See*—
Welch, James R., and Williams. 2,996,401.
Williams, Paul E., and C. O. Horst, to Advanced Aircraft Development Corp. Airplane with adjustable wings and tail. 3,009,670, 11–21–61, Cl. 244—46.
Williams, Paul H.: *See*—
Schwarzer, Carl G., and Williams. 3,014,892.
Williams, Paul H., and W. J. Sullivan, to Shell Oil Co. 2,3,4,5-diepoxy compounds. 2,980,707, 4–18–61, Cl. 260—348.
Williams, Philip D. L.: *See*—
Easy, Maurice H., Williams, and Cook. 3,007,154.
Williams, Philip S., to Jersey Production Research Co. Recording and reproducing seismic signals. 2,986,722, 5–30–61, Cl. 340—15.
Williams, Ralph P.: *See*—
Mahan, John E., and Williams. 2,993,904.
Williams, Ray C.: *See*—
Hoch, Hans, and Williams. 2,985,587.
Williams, Ray C., to Standard Car Truck Co. Self-adjusting stabilizer for spring suspension. 3,005,629, 10–24–61, Cl. 267—8.
Williams, Ray S., to Hagan Chemicals & Controls, Inc. Mechanically rebalanced linear motor servosystem. 2,980,835, 4–18–61, Cl. 318—22.
Williams, Ray S., to Hagan Chemicals & Controls, Inc. Electro-pneumatic converters. 2,985,182, 5–23–61, Cl. 137—85.
Williams, Ray S., to Hagan Chemicals & Controls, Inc. Thermostatically actuated signal transmitting converters. 3,002,692, 10–3–61, Cl. 236—82.
Williams, Raymond F., to Gardner-Denver Co. Valve for compressors. 2,989,074, 6–20–61, Cl. 137—516.21.
Williams Research Corp.: *See*—
Williams, Sam B., and Benson. 2,969,644.
Williams, Sam B., and Benson. 3,011,311.
Williams, Richard E., to Melpar, Inc. Mixed-base data transmission. 3,000,006, 9–12–61, Cl. 340—347.
Williams, Richard E. Percussion system. 3,003,383, 10–10–61, Cl. 84—1.26.
Williams, Richard J., to American Metal Products Co. Vehicle steering linkage and joint construction. 3,009,712, 11–21–61, Cl. 280—95.
Williams, Richard J., to American Metal Products Co. Method of forming a ball joint utilizing a fluorocarbon layer. 3,011,219, 12–5–61, Cl. 18—59.
Williams, Robert D.: *See*—
Abbott, Henry H., Rippere, Schmidt, and Williams. 2,981,804.
Williams, Robert G.: *See*—
Williams, James H. and R. G. 2,985,216.
Williams, Robert H., to Dashew Business Machines, Inc. Duplicating billing machine. 2,992,608, 7–18–61, Cl. 101—132.5.
Williams, Robert J., to Burroughs Corp. Neon lamp indicator device. 2,970,303, 1–31–61, Cl. 340—248.
Williams, Robert L., to Avon Products, Inc. Dispenser for powdered materials. 2,990,086, 6–27–61, Cl. 222—142.3.
Williams, Robert M., to American-Marietta Co. Thermo-setting phenol-aldehyde resin adhesive composition, extender base therefor, and method of preparing same. 3,008,907, 11–14–61, Cl. 260—7.

Williams, Roger B., Jr., to Toledo Scale Corp. Pulse generator. 2,970,269, 1-31-61, Cl. 328—38.

Williams, Roger B., Jr., and R. E. Bell, to Toledo Scale Corp. Electronic tare subtracting counter. 2,974,863, 3-14-61, Cl. 235—151.

Williams, Roger D., to United States of America, Navy. Provision of a predetermined pulse responsive to a trigger pulse with provision for adjustable delay. 2,979,660, 4-11-61, Cl. 328—67.

Williams, Roger Q. Nut and bolt lock ring. 2,995,167, 8-8-61, Cl. 151—5.

Williams, Russell F., and P. R. Morgan. Fuel injector. 3,013,733. 12-19-61. Cl. 239—533.

Williams, Russell J., C. V. Brady, and A. F. Ottinger, to Bemis Bro. Bag. Co. Bags. 2,978,164, 4-4-61, Cl. 229—66.

Williams, Sam B. Floating structure. 3,009,326, 11-21-61, Cl. 61—48.

Williams, Sam B., and J. J. Benson, to Williams Research Corp. Drive means for a regenerator in a reexpansion gas turbine engine. 2,969,644, 1-31-61, Cl. 60—39.16.

Williams, Sam B., and J. J. Benson, to Williams Research Corp. Gas turbine. 3,011,311, 12-5-61, Cl. 60—39.36.

Williams, Samuel L., to Westinghouse Air Brake Co. Brake rigging for railway car trucks. 2,966,963, 1-3-61, Cl. 188—52.

Williams, Sandusky Double sickle cutting assembly. 2,994,175, 8-1-61, Cl. 56—297.

Williams, Scott F., to United States Steel Corp. Traveling hoist for attachment to trucks. 2,986,285, 5-30-61, Cl. 212—134.

Williams, Selden T. Mounting of gun barrel in its stock. 2,967,368, 1-10-61, Cl. 42—75.

Williams, Selden T., to Scovill Mfg. Co. Tire valve for compartmented tires. 2,991,821, 7-11-61, Cl. 152—427.

Williams, Sherman L.: *See*—
Sugalski, Alfred A., Williams, and Mathewson. 2,979,207.
Sugalski, Alfred A., Williams, and Mathewson. 3,004,671.

Williams, Sidney B.: *See*—
Rubinstein, Harry W., Williams, and Dornfeld. 2,968,752.

Williams, Stanley E.: *See*—
Hirst, Peter D., and Williams. 3,010,716.

Williams, Thurston V., to The O.K. Tool Co., Inc. Grubber attachment for bulldozers. 2,977,696, 4-4-61, Cl. 37—145.

Williams, Thurston V., to The O.K. Tool Co., Inc. Cutting tools. 3,011,370, 12-5-61, Cl. 77—58.

Williams, Vernon L.: *See*—
Richardson, Andrew J., and Williams. 3,005,991.

Williams, Virgil C., to Projex Engineering Corp. Hydrate forming saline water conversion process. 2,974,102, 3-7-61, Cl. 210—59.

Williams, Walter H.: *See*—
Patterson, James R., Williams, and Freeman. 2,996,485.

Williams, Walter J., Jr., to International Telephone and Telegraph Corp. Horizontal sweep generator. 3,002,153, 9-26-61, Cl. 328—63.

Williams, Wiley C.: *See*—
France, L. D. 2,984,872.

Williams, William, and J. R. Wylde, to British Celanese Ltd. Method and apparatus for jet bulking of yarn. 3,007,298, 11-7-61, Cl. 57—34.

Williams, William A., to T. B. Wood's Sons Co. Split sleeve type shaft connector having an elastic sleeve. 2,992,844, 7-18-61, Cl. 287—52.06.

Williams, William B., to International Minerals & Chemical Corp. Defluorination of phosphatic material. 2,997,367, 8-22-61, Cl. 23—109.

Williams, William B., to International Minerals & Chemical Corp. Manufacture of defluorinated phosphates. 3,002,812, 10-3-61, Cl. 23—109.

Williams, William E., to Cepac, Inc. Optical stress meter. 2,992,589, 7-18-61, Cl. 88—14.

Williams, William E., and D. A. Haynes. Closure seal for containers. 3,010,596, 11-28-61, Cl. 215—56.

Williams, William J. Combination pass card and monitor switch system. 2,967,916, 1-10-61, Cl. 200—5.

Williams, William O., Jr. Safety fishhooks. 2,996,828, 8-22-61, Cl. 43—43.4.

Williams, William W., to PneumoDynamics Corp. Explosive actuated valve. 2,997,051, 8-22-61, Cl. 137—68.

Williams, Winston F.: *See*—
Jacobson, Herbert P., and Williams. 2,980,328.

Williamson, Carl C. Heat pump space heating system. 2,986,904, 6-6-61, Cl. 62—429.

Williamson, Clifford N., to Airpax Electronics Inc. Frequency responsive network. 3,004,220, 10-10-61, Cl. 324—78.

Williamson, Daryld M. Baled haystack hauling, loading and unloading machine. 3,012,682, 12-12-61, Cl. 214—82.

Williamson, David M.: *See*—
Petrow, Vladimir, and Williamson. 3,004,966.

Williamson, David T. N., and D. F. Walker, to Ferranti, Ltd Signal-translating apparatus. 2,983,872, 5-9-61, Cl. 328—27.

Williamson, David T. N., and P. J. Walker; said Williamson assor. to Ferranti Ltd. Electrostatic loudspeakers. 3,008,014, 11-7-61, Cl. 179—111.

Williamson, David T. N., and P. J. Walker; said Williamson assor. to Ferranti, Ltd. Electrostatic loudspeakers. 3,008,013, 11-7-61, Cl. 179—111.

Williamson, Douglas H.: *See*—
Hunter, Philip E., Davison, Wilkinson, and Williamson. 2,985,426.

Williamson, Edward E.: *See*—
De Napoli, Anthony C., and Williamson. 2,970,311.

Williamson, Ethel: *See*—
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Williamson, Floyd M. Circulating systems for hydraulic liquid between tanks and cylinders. Re. 25,027, 8-15-61, Cl. 267—1.

Williamson, Gilbert D., C. T. McNeill, and E. L. Tunsen, to Plasti-Con Pipe Co. Apparatus for encasing metal pipe in concrete. 2,968,081, 1-17-61, Cl. 25—38.

Williamson, James W. Sledge hammers. 2,980,154, 4-18-61, Cl. 145—29.

Williamson, James W., to Ajax Magnethermic Corp. Phase converter. 3,004,208, 10-10-61, Cl. 321—57.

Williamson, John E.: *See*—
Cameron, Warren B. S., and Williamson. 2,982,539.

Williamson, John G., to Perfecting Service Co. Picker stick buffer for looms. 3,004,563, 10-17-61, Cl. 139—166.

Williamson, Marshall I., to Federal Paper Board Co., Inc. Collapsible double walled cartons. 2,997,220, 8-22-61, Cl. 229—14.

Williamson, Robert D., to American Aluminum Co. Container with flange-thread and cover. 3,005,569, 10-24-61, Cl. 220—39.

Williamson, Robert R.: *See*—
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Williamson, Robert W., ¼ to O. D. Herron, ¼ to D. A. Hunter, and ¼ to Haven Mfg. Corp. Machine for stretch bending metal moulding. 2,999,526, 9-12-61, Cl. 153—32.

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Van Scoy, Davis A. 2,986,959.
Ver Nooy, Burton. 2,972,156.
Ver Nooy, Burton. 2,974,685.
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Ver Nooy, Burton. 2,998,800.
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Williamson, Thomas B.: *See*—
Szabo, Karoly, Brady, and Williamson. 2,988,474.

Williamson, Thomas N.: *See*—
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Williamson, William A., to Clark Equipment Co. Axle and wheel mounting. 2,967,074, 1-3-61, Cl. 301—125.

Williamson, William A., to Clark Equipment Co. Paper roll handling truck. 2,981,429, 4-25-61, Cl. 214—654.

Williamson, William R., and N. Fraser, to American Machine & Foundry Co., Inc. Flash evaporator. 2,994,647, 8-1-61, Cl. 202—187.

Willig, Hans: *See*—
Kessler, Richard, and Willig. 2,989,953.

Willingham, John H. Dispenser for material containers. 2,989,215, 6-20-61, Cl. 222—207.

Willingham, John R., to Star Cutter Co. Gun drilling tool. Re. 24,924, 1-17-61, Cl. 77—68.

Willis, Barry B., to ON Mark Couplings, Inc. Tube coupling. 2,967,723, 1-10-61, Cl. 285—233.

Willis, Claude E. F., to R. W. Crabtree & Sons Ltd. Adhesive tab. 3,006,568, 10-31-61, Cl. 242—58.5.

Willis, Clyde P. Upholsterer's pneumatic tack driving hammer. 2,994,880, 8-8-61, Cl. 1—44.4.

Willis, Douglas R., to Marconi Instruments Ltd. Wave meters. 2,967,931, 1-10-61, Cl. 250—39.

Willis, Grant N.: *See*—
Russell, Arthur G., and Willis. 2,975,939.

Willis, James H. Stone cutter. 2,982,281, 5-2-61, Cl. 125—23.

Willis, James M., to The Firestone Tire & Rubber Co. Chafer for tire bead area protection. 2,979,101, 4-11-61, Cl. 152—362.

Willis, John: *See*—
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Willis, John H., to Owens-Corning Fiberglas Corp. Level control means. 3,012,373, 12-12-61, Cl. 49—54.

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Willis, Lester C. Door lock system. 2,996,910, 8-22-61, Cl. 70—264.

Willis, Reuben M. Camping shelter. 2,969,074, 1-24-61, Cl. 135—3.

Willis, Robert R.: *See*—
Plotzker, Abraham P., and Willis. 3,013,818.

Willis, Robert S. Pig ball receiver. 2,977,616, 4-4-61, Cl. 15—104.06.

Willis, Robert S. Pig ball injectors. 2,977,617, 4-4-61, Cl. Cl. 15—104.06.

Willis, Sumner C., to Castro Convertible Corp. Convertible bed. 2,991,484, 7-11-61, Cl. 5—13.

Willis, William D.: *See*—
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Willis, William D., to Hercules Powder Co. GR-S cured with dicamyl peroxide and sulfur. 2,985,632, 5-23-61, Cl. 260—79.5.

Willis, William M., 33⅓% to G. L. Lenz, and 33⅓% to M. E. Nardon. Aircraft and lift-propulsion means therefor. 2,990,137, 6-27-61, Cl. 244—12.

Willis, William, P. J. C. Gough, and B. V. Davis, to Bristol Siddeley Engines Ltd. Welding machine. 2,974,218, 3-7-61, Cl. 219—125.

Willison, Donald: *See*—
Baillie, Wallace E., and Willison. 3,006,483.

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Willison, Ralph E.: *See*—
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Willits, Samuel P., W. L. Mohan, Jr., and J. M. McCarty, to Chicago Aerial Industries, Inc. Control system for aerial photography. 2,967,470, 1–10–61, Cl. 95—12.5.
Willits, Samuel P., and W. L. Mohan, to Chicago Aerial Industries, Inc. Parallax interval sensing device. 3,002,420, 10–3–61, Cl. 88—14.
Willmas, Anthony V.: *See*—
Levinson, Jerome H., and Willmas. 3,002,839.
Willmes, Josef: *See*—
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Willms, Matthias: *See*—
Menzel, Werner R., and Willms. 2,998,892.
Willmund, Wolf-Dieter: *See*—
Strauss, Wennemar, and Willmund. 2,986,498.
Willoner, George: *See*—
Vose, John K., and Willoner. 2,991,377.
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Datt, Paul L., Warren, and Willoughby. 2,980,849.
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Wills, H. E., Co., Inc.: *See*—
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Wills, Leonard A. Sanitary sipping-straw dispenser. Re. 24,950, 3–21–61, Cl. 221—192.
Wills, Marion C., to Koehring Co. Tractor mounted loading attachment. 2,991,891, 7–11–61, Cl. 212—49.
Wills, Percy, to Wills Pressure Filled Joint Ring Ltd. Gaskets and like joint rings. 2,967,727, 1–10–61, Cl. 288—20.
Wills Pressure Filled Joint Ring Ltd.: *See*—
Wills, Percy. 2,967,727.
Willsey, Charles H., to Seymour Foods, Inc. Egg washing machine. 2,979,746, 4–18–61, Cl. 15—3.13.
Willson, Corwin D. Thermo-molding apparatus. 3,002,248, 10–3–61, Cl. 25—45.
Willson, Dan H., and G. R. L. Shepherd, to Esso Research and Engineering Co. Hydrofining of lubricating oil fractions. 2,985,586, 5–23–61, Cl. 208—264.
Willson, James R., to Robertshaw-Fulton Controls Co. Thermostatic control valve. 2,990,119, 6–27–61, Cl. 236—99.
Willson, Winifred. Combined dining table and dishwasher. 2,971,519, 2–14–61, Cl. 134—58.
Willyard, Charles H.: *See*—
Pickett, Robert E., and Willyard. 3,008,008.
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Willyoung, David M., to General Electric Co. Rotor coil support system for dynamoelectric machine. 2,990,486, 6–27–61, Cl. 310—214.
Willyoung, David M., and P. A. Becker, to General Electric Co. Diagonal flow direct-cooled dynamoelectric machine rotor. 2,986,664, 5–30–61, Cl. 310—61.
Wilmarth, Robert W.: *See*—
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Wilmer, Maurice O., to Vickers-Armstrongs (Aircraft) Ltd. Doors for the fuselages of pressurized aircraft. 3,004,303, 10–17–61, Cl. 20—16.
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Chanaryn, Victor, and Walker. 3,002,369.
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Haseler, Arthur C., and Lacon. 3,002,594.
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Selwood, George, and Wesley. 2,973,014.
Wilmot Castle Co.: *See*—
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Wilmotte, Raymond M. Electrical-optical transducers and spot scanning generators. 2,988,645, 6–13–61, Cl. 250—209.
Wilms, Carl A., to John W. Leslie. Pitting and stuffing machine. 2,991,813, 7–11–61, Cl. 146—17.
Wilms, Hugo: *See*—
Holtschmidt, Hans, and Wilms. 3,013,049.
Wilsen, Robert H.: *See*—
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Wilser, Raymond E., and H. M. Lawrence, to International Business Machines Corp. Random storage input device. 3,014,654, 12–26–61, Cl. 235—61.11.
Wilshusen, Albert R. Spring-loaded fish hooks. 2,982,047, 5–2–61, Cl. 43—36.
Wilsing, Hanns: *See*—
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Wilson, Abraham, to Colgate-Palmolive Co. Process for destroying foam. 2,993,867, 7–25–61, Cl. 252—321.
Wilson, Abraham, and S. J. O'Brien, to American Cyanamid Co. Preparation of concentrated dispersions of basic aluminum salts. 2,987,474, 6–6–61, Cl. 252—8.6.
Wilson, Albert, to Hewitt-Robins Inc. Vibrating means for screens and the like. 2,972,895, 2–28–61, Cl. 74—61.
Wilson, Alexander, to The Distillers Co. Ltd. Capsuling machine. 2,967,384, 1–10–61, Cl. 53—76.
Wilson, Alexander C. Instruments for measuring pressures in fluids. 2,983,146, 5–9–61, Cl. 73—401.
Wilson, Alexander T., to Standard Oil Co. Apparatus and process for radiation. 2,989,633, 6–20–61, Cl. 250—49.5.
Wilson, Alfred J. Circular saw safety device. 2,985,202, 5–23–61, Cl. 143—51.
Wilson, Allen B., to Acme Steel Co. Roof structure. 2,969,754, 1–31–61, Cl. 108—13.
Wilson, Allen B., to Acme Steel Co. Package. 2,998,132, 8–29–61, Cl. 206—65.
Wilson, Allen B., to Acme Steel Co. Panel construction. 2,999,569, 9–12–61, Cl. 189—35.
Wilson, Allen B. Breakwater and method of dissipating waves. 3,011,316, 12–5–61, Cl. 61—4.
Wilson, Archie S., to United States of America, Atomic Energy Commission. Separation of uranyl and ruthenium values by the tributyl phosphate extraction process. 2,982,601, 5–2–61, Cl. 23—14.5.
Wilson, Archie S., to United States of America, Atomic Energy Commission. Method of dissolving plutonium dioxide in nitric acid using cerium ions. 3,005,682, 10–24–61, Cl. 23—14.5.
Wilson, Armin G.: *See*—
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Wilson Athletic Goods Mfg. Co., Inc.: *See*—
Groot, John K. 2,982,968.
Stobbe, Benjamin B. 2,988,744.
Wilson, Bernard, to The General Electric Co. Ltd. Frequency multiplying apparatus. 2,982,922, 5–2–61, Cl. 331—76.
Wilson, Bertram A. Luminous ceiling panel. 2,996,417, 8–15–61, Cl. 154—45.9.
Wilson, Bertram A. Sheet panel. 2,996,609, 8–15–61, Cl. 240—78.
Wilson, Calvin L., to Reynolds Metals Co. Strip joining system. 2,993,823, 7–25–61, Cl. 154—116.
Wilson, Carl A.: *See*—
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Wilson, Carl L., and J. A. Moriarty, to Eastman Kodak Co. Process of purifying dimethyl terephthalate and other compounds which sublime. 2,992,168, 7–11–61, Cl. 202—40.
Wilson, Charles C., and E. H. McAngus, to West Point Mfg. Co. Apparatus for making composite structures. 3,010,508, 11–28–61, Cl. 156—459.
Wilson, Charles D., to Allis-Chalmers Mfg. Co. Steam turbine installation. 2,975,600, 3–21–61, Cl. 60—95.
Wilson, Charles E.: *See*—
Schott, Arthur K., and Wilson. 2,979,905.
Wilson, Charles E. Mounting and hydraulic control means for a reciprocating mower. 2,989,831, 6–27–61, Cl. 56—25.
Wilson, Charles L., to American Vitrified Products Co. Ceramic glazed vitrified tile and method and apparatus for making the same. 2,978,350, 4–4–61, Cl. 117—18.
Wilson, Chester E., and W. L. Wasley, to Union Oil Co. of California. Lubricating oil additives and lubricating oils containing the same. 3,003,959, 10–10–61, Cl. 252—32.7.
Wilson, Christopher L., and H. G. Hammon, to Hudson Foam Plastics Corp. Cellular polyurethane resin and process of preparing same. 2,970,118, 1–31–61, Cl. 260—2.5.
Wilson, Christopher L., and H. G. Hammon, to Hudson Foam Plastics Corp. Preparing polymers under vacuum. 2,980,650, 4–18–61, Cl. 260—75.
Wilson, Christopher L., and D. G. Hutton; said Hutton assor. to Hudson Foam Plastic Corp. Method for making synthetic resin foams. 3,012,977, 12–12–61, Cl. 260—2.5.
Wilson, Clarence R., and M. E. Meerdink, to Eastman Kodak Co. Machine for assembling metal spools. 2,995,810, 8–15–61, Cl. 29—208.
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Carapolo, Orlando. 2,975,576.
Massengill, Robert T. 2,988,124.
McGuine, Thomas H., and Feldpush. 2,985,674.
Wilson, Darrell: *See*—
Watson, William F., and Wilson. 2,977,098.
Wilson, David A., to Burgess Products Co. Ltd. Snap-action devices. 3,001,041, 9–19–61, Cl. 200—67.
Wilson, David E. Viewer for television. 3,010,356, 11–28–61, Cl. 88—1.
Wilson, Donald R.: *See*—
Clark, Roy D. 2,985,255.
Wilson, Delbert E.: *See*—
Ryder, Donald P., and Wilson. 3,010,492.
Wilson, Delbert E., to Western Electric Co., Inc. Component lead forming apparatus. 3,002,538, 10–3–61, Cl. 140—104.
Wilson, Douglas G., to General Motors Corp. Transmission control system. 3,006,213, 10–31–61, Cl. 74—472.
Wilson, Douglas G., D. H. Lee, and Q. E. Wonn, to General Motors Corp. Transmission control device. 2,995,957, 8–15–61, Cl. 74—752.
Wilson, Edward, & Son Ltd.: *See*—
Wilson, Lawrence R. 3,011,329.
Wilson, Edward L., Jr., to Esso Research and Engineering Co. Device for controlling levels in a fluidized system. 2,998,309, 8–29–61, Cl. 23—288.
Wilson, Edward S.: *See*—
Luhn, Hans P., Wilson, Stahl, Berg, and Dustman. 2,994,429.
Wilson, Edward S., to International Business Machines Corp. Blown fuse indicator. 2,989,739, 6–20–61, Cl. 340—250.
Wilson, Elwood J., Jr., and B. A. Niemeier, to Texaco Experiment Inc. Fuel injection device. 2,981,153, 4–25–61, Cl. 89—7.

Wilson, Eric: *See*—
Davies, Gerald T., Fisher, Jones, Lewis, Wilson, Griffin, and Hewitt. 3,010,147.

Wilson, Eric J. R., to P. R. Mallory & Co., Inc. Art of heat treating metal objects. 2,989,428, 6–20–61, Cl. 148—13.1.

Wilson, Ervin M. Musical instrument. 3,012,460, 12–12–61, Cl. 84—423.

Wilson, Farris H., Jr., to The Goodyear Tire & Rubber Co. Stabilizing diene rubbers with N-alpha-phenyl N'-phenyl phenylene diamine. 2,984,646, 5–16–61, Cl. 260—45.9.

Wilson, Forest. Furniture construction. 2,969,832, 1–31–61, Cl. 155—197.

Wilson, Forest. Furniture assembly bracket. 2,970,025, 1–31–61, Cl. 311—114.

Wilson, Francis J.: *See*—
Biello, Stephen J., and Wilson. 2,994,340.

Wilson, Frank R., to Q. E. Wilson. Tube cutting and reaming tool. 3,011,371, 12–5–61, Cl. 77—73.

Wilson, George A. Semiautomatic pistol with breech block forward of magazine chamber. 2,975,680, 3–21–61, Cl. 89—196.

Wilson, George J. Mouth opening alarm. 2,999,232, 9–5–61, Cl. 340—279.

Wilson, George W.: *See*—
Angerer, Carl L., and Wilson. 3,012,889.

Wilson, Gurney L. Poultry drinking fountain. 3,000,350, 9–19–61, Cl. 119—81.

Wilson, H. T.: *See*—
Howard, William C. 2,994,188.

Wilson, Harold R.: *See*—
Holmes, Ralph A., and Wilson. 2,974,637.

Wilson, Harold S., to The Bendix Corp. Combined automatic adjustor and retraction means. 2,973,837, 3–7–61, Cl. 188—73.

Wilson, Harry C. Magnetic door latch. 3,003,802, 10–10–61, Cl. 292—251.5.

Wilson, Harry R. Masonry saw. 2,998,813, 9–5–61, Cl. 125—13.

Wilson, Harry W. Corrugating single facer. 2,979,112, 4–11–61, Cl. 154—31.

Wilson, Harry W. Means for collecting pitch from a tree. 3,003,283, 10–10–61, Cl. 47—11.

Wilson, Harry W., and C. L. Dornbush, to Royal Container Co. Machine for packaging cartons. 2,985,323, 5–23–61, Cl. 214—6.

Wilson, Harry W., and C. L. Dornbush, to Royal Container Co. Machine for stacking and accumulating stacks of collapsed cartons. 3,013,369, 12–19–61, Cl. 53—164.

Wilson, J. A., Lighting & Display Ltd.: *See*—
McCormick, Donald C., 2,971,670.

Wilson, Jack J. Mixing and volume control valve for hot and cold water. 2,976,887, 3–28–61, Cl. 137—625.4.

Wilson, Jack K., N. E. and R. S. Archer's tab. 2,974,319, 3–14–61, Cl. 2—21.

Wilson, James A., to Equipment Engineers, Inc. Wire line stripper. 3,013,825, 12–19–61, Cl. 286—16.

Wilson, James C., to Owens-Illinois Glass Co. Two-compartment receptacle. 2,991,922, 7–11–61, Cl. 229—27.

Wilson, James C., to Owens-Illinois Glass Co. Dispensing container. 3,014,637, 12–26–61, Cl. 229—39.

Wilson, James D., to Banner Metals, Inc. Nesting and stacking trays. Re. 24,984, 5–9–61, Cl. 211—126.

Wilson, James D., to Banner Metals, Inc. Warehouse pallet dolly. 2,968,491, 1–17–61, Cl. 280—47.34.

Wilson, James E., and E. L. Dunn, to General Electric Co. Nickel base alloy. 2,975,051, 3–14–61, Cl. 75—171.

Wilson, James H., to Sturgis Posture Chair Co. Furniture structure. 2,997,339, 8–22–61, Cl. 297—239.

Wilson, James H., to Sturgis Posture Chair Co. Tightener apparatus for removable cover of chair back or chair seat and the like. 3,003,816, 10–10–61, Cl. 297—219.

Wilson, James L., to Union Carbide Corp. Analytical determination of carbon in reactive metal halides. 2,998,305, 8–29–61, Cl. 23—230.

Wilson, James M., Sr. Pipe flange gauge. 2,976,617, 3–28–61, Cl. 33—199.

Wilson, James T.: *See*—
Keyser, John F., and Wilson. 3,014,443.

Wilson, James W.: *See*—
Edgerton, William H., Gordon, and Wilson. 3,000,886.

Wilson, James W. Rotary shelf device. 3,004,745, 10–17–61, Cl. 248—349.

Wilson, Jardine C.: *See*—
Katz, Irving, Wilson, and Jenkins. 2,970,971.

Wilson, Jesse A., Jr., to C. A. Norgren Co. Pneumatic suspension system and liquid expulsion valve unit therefor. 2,979,326, 4–11–61, Cl. 267—65.

Wilson, Jesse A., Jr., and M. V. Friedell, to C. A. Norgren Co. Fluid pressure differential control. 2,990,848, 7–4–61, Cl. 137—503.

Wilson, Joe L.: *See*—
Coffman, Nellie V., and Wilson. 3,013,280.

Wilson, John A., III, to United States of America, Navy. Heat shield. 2,996,280, 8–15–61, Cl. 253—39.15.

Wilson, John B.: *See*—
Scheu, Louis O., Jr., and Wilson. 3,003,760.

Wilson, John C., to The Thompson Grinder Co. Grinding machines. 2,986,852, 6–6–61, Cl. 51—92.

Wilson, John H. Fluid pressure actuated clutch mechanism for catheads and the like. 3,011,609, 12–5–61, Cl. 192—88.

Wilson, John M. Combined guard and nail-setting attachment for hammers. 2,983,297, 5–9–61, Cl. 145—30.

Wilson, John R., and W. I. T' Veld, to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek Ten Behoeve Van Nijverheid, Handel en Verkeer. Multicell electrodialysis apparatus. 2,974,464, 6–6–61, Cl. 204—301.

Wilson, John W., Jr., to Socony Mobil Oil Co., Inc. Barium C_{20}-C_{22} soap-barium carbonate grease composition and process for forming same. 3,010,898, 11–28–61, Cl. 252—18.

Wilson-Jones Co.: *See*—
Potts, John. 2,976,871.
Marano, Herbert W. 2,985,496.

Wilson, Joseph E.: *See*—
Rudkin, George O., Jr., Wilson, and Dunn. 2,994,674.

Wilson, Joseph F., to Phillips Petroleum Co. Preparation of mixed fertilizers. 2,980,526, 4–18–61, Cl. 71—32.

Wilson, Joseph R., to Westinghouse Electric Corp. Fluid control apparatus. 2,994,338, 8–1–61, Cl. 137—340.

Wilson, Keith E., to General Controls Co. Pipe coupling system for valves. 3,012,581, 12–12–61, Cl. 137—625.5.

Wilson, Kermit H. Device for transporting and storing articles of furniture and the like. 2,969,245, 1–24–61, Cl. 280—41.

Wilson, Kermit H. Portable stage. 2,978,754, 4–11–61, Cl. 20—1.123.

Wilson, Lawrence A.: *See*—
Connolly, Charles E., and Wilson. 2,967,658.

Wilson, Lawrence A., to International Business Machines Corp. Clutch. 2,985,271, 5–23–61, Cl. 192—33.

Wilson, Lawrence A., and W. J. Wheeler, to International Business Machines Corp. Card transport. 2,974,951, 3–14–61, Cl. 271—51.

Wilson, Lawrence A., and G. A. Luning, to International Business Machines Corp. Record sorting machine. 2,990,956, 7–4–61, Cl. 209—110.

Wilson, Lawrence R., to Edward Wilson & Son Ltd. Leather shaving apparatus. 3,011,329, 12–5–61, Cl. 69—37.

Wilson, Lawrence V., Jr., to Phillips Petroleum Co. Production of solid polymers of diolefins. 3,008,944, 11–14–61, Cl. 260—94.3.

Wilson, Lee: *See*—
Blackman, Calvin C., and Beemer. 2,988,349.
Blackman, Calvin C., Beemer, and Lorig. 3,008,663.

Wilson, Lester E., Jr.: *See*—
Kelliher, Maurice G., Nygard, Stiff, and Wilson. 2,993,143.

Wilson, Lewis P., and R. L. Turner, deceased (by D. H. Turner, executrix), to Olin Mathieson Chemical Corp. Manufacture of iron shot. 2,974,031, 3–7–61, Cl. 75—.5.

Wilson, Loren R.: *See*—
Wiener, Jerome B., and Wilson. 2,985,299.

Wilson, Lyndon: *See*—
King, John L. 2,986,519.

Wilson, Martha A.: *See*—
Wilson, Roy P. and M. A. 2,970,631.

Wilson, Maurice S. Register. 2,987,982, 6–13–61, Cl. 98—38.

Wilson, Melville M.: *See*—
Brewer, Nathaniel, and Wilson. 3,005,575.

Wilson, Mervyn F.: *See*—
Ransom, Richard S., and Wilson. 3,014,411.

Wilson, Mills H., and C. E. Griffin, to Progress Groovers, Inc. Lever operated tire slitting tool with blade holder having blade adjustment means. 2,986,204, 5–30–61, Cl. 157—13.

Wilson, Milo R., to International Harvester Co. Arrangement for cold starting diesel engines. 2,974,659, 3–14–61, Cl. 123—180.

Wilson, Norman A., to Morgan Construction Co. Rotary shear blades mounted coaxially and having independent drive means. 2,984,137, 5–16–61, Cl. 83—303.

Wilson, Norman A., to Morgan Construction Co. Machine with drive means. 2,985,267, 5–23–61, Cl. 192—.09.

Wilson, Norman B. Anti-rattle assembly for a centrifugal clutch. 2,991,865, 7–11–61, Cl. 192—105.

Wilson, Norman E.: *See*—
Wilson, Jack K., N. E. and R. S. 2,974,319.

Wilson, Norman E., to The Puro Co. Toilet bowl deodorizers and holders therefor. 2,984,841, 5–23–61, Cl. 4—231.

Wilson, Norman E., to The Puro Co. Dispensing containers. 2,991,923, 7–11–61, Cl. 229—51.

Wilson, Peter G.: *See*—
Brook, Leonard, Lazenby, and Wilson. 2,977,731.

Wilson Products, Inc.: *See*—
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Wilson Products Mfg. Co.: *See*—
Schardt, Gerald W. 2,993,014.

Wilson, Quinn E.: *See*—
Wilson, Frank R. 3,011,371.

Wilson, Raymond O., to Olympic Screw & Rivet Corp. Rivet shank slotting machine with indexible work holding turret and means to prevent rotation of rivet during indexing of turret. 2,982,978, 5–9–61, Cl. 10—20.5.

Wilson, Raymond O., to Olympic Screw & Rivet Corp. Machine for assembling O-rings on depending bolt shanks. 2,996,738, 8–22–61, Cl. 10—155.

Wilson, Raymond O., to Olympic Screw & Rivet Corp. Drive rivet assembling machine. 3,005,255, 10–24–61, Cl. 29—208.

Wilson, Richard M., to Eastman Kodak Co. Antistatic device. 2,996,646, 8–15–61, Cl. 317—2.

Wilson, Robert, to The General Electric Co. Ltd. Stator core mounting for dynamo electric machine. 2,973,442, 2–28–61, Cl. 310—258.

Wilson, Robert E., to United States of America, Navy. Pulse center determining system. 3,004,707, 10–17–61, Cl. 235—183.

Wilson, Robert E., L. E. Mertens, and R. H. Bergman, to Radio Corp. of America. Pulse transmitter. 2,967,910, 1-10-61, Cl. 179—15.

Wilson, Robert F.: *See*—
Rychlewski, Thaddeus V., and Wilson. 2,976,838.

Wilson, Robert L.: *See*—
Jamison, Hal M., and Wilson. 2,984,706.

Wilson, Robert M., to Dare Products, Inc. Electric insulator mounting clamp. 2,996,570, 8-15-61, Cl. 174—163.

Wilson, Robert S.: *See*—
Wilson, Jack K., N. E. and R. S. 2,974,319.

Wilson, Robert W., and J. H. Brettnacher, to Thompson Ramo Wooldridge Inc. Bearing plate for pressure loaded gear pumps. 2,972,959, 2-28-61, Cl. 103—126.

Wilson, Roger W.: *See*—
Buschers, Herbert H., Medina, and Wilson. 2,979,991.

Wilson, Ronald C., to Lockheed Aircraft Corp. Cable seal. 3,013,824, 12-19-61, Cl. 286—16.

Wilson, Ronald M., L. Dunning, and J. B. Madill, to William M. Wilson's Sons. Interlock means. 3,008,608, 11-14-61, Cl. 222—35.

Wilson, Rosser L., F. B. Herlihy, and T. J. Wood, to American Brake Shoe Co. Cast iron. 2,979,793, 4-18-61, Cl. 22—215.

Wilson, Roy P. and M. A. Brief case spreader. 2,970,631, 2-7-61, Cl. 150—29.

Wilson, Roy W. Non-snagging multiple hook fishing device. 2,982,046, 5-2-61, Cl. 43—35.

Wilson, Rufus W.: *See*—
Wald, John R., Jr., Wilson, and Bagshaw. 3,009,439.

Wilson, Rufus W., to Wald Industries, Inc. Magnetic conveyor. 3,003,460, 10-10-61, Cl. 118—236.

Wilson, Samuel W.: *See*—
Mooneyhan, William R., Roberts, Wilson, and MacDonald. 2,983,772.

Wilson, Samuel W., to Esso Research and Engineering Co. Method of improving the permanganate time of ethyl alcohol. 3,014,971, 12-26-61, Cl. 260—643.

Wilson, Samuel W., and W. T. Boyd, to Esso Research and Engineering Co. Recovery of ether and alcohol from acid-propylene extracts. 2,994,721, 8-1-61, Cl. 260—614.

Wilson, Teck A., to Hughes Aircraft Co. IFF system. 3,004,253, 10-10-61, Cl. 343—6.5.

Wilson, Thomas C., Inc.: *See*—
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Wilson, Volney C., to General Electric Co. Counting tube. 2,981,857, 4-25-61, Cl. 313—61.

Wilson, Wallace D., and G. W. Johnson, Jr., to Elastic Stop Nut Corp. of America. Time delay apparatus. 2,981,533, 4-25-61, Cl. 267—1.

Wilson, Walter R.: *See*—
Swerdlow, Nathan, and Wilson. 2,970,185.

Wilson, Warren K., to The Goodyear Tire & Rubber Co. Method of laminating. 2,967,786, 1-10-61, Cl. 117—49.

Wilson, Wilbur J., W. A. Small, and W. B. Burford III, to Mallinckrodt Chemical Works. Method of preparing elemental silicon. 2,986,451, 5-30-61, Cl. 23—223.5.

Wilson, William B., 40% to R. A. Livingston. Door latch. 2,988,389, 6-13-61, Cl. 292—165.

Wilson, William B. Irrigation hydrant. 3,011,509, 12-5-61, Cl. 137—122.

Wilson, William C.: *See*—
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Stephens, Frederick J., Smith, and Wilson. 3,010,859.

Wilson, William C. Dance instruction method and training aid. 2,988,825, 6-20-61, Cl. 35—29.

Wilson, William H.: *See*—
Leech, Harry R., and Wilson. 2,975,034.

Wilson, William J., to Sanders Associates, Inc. High frequency transmission line coupling device. 2,994,083, 7-25-61, Cl. 343—767.

Wilson, William J., to Sanders Associates, Inc. High frequency transmission line coupling device. 3,002,164, 9-26-61, Cl. 333—24.

Wilson, William J., and H. Takesian, to Sanders Associates, Inc. Method of photo-plating electrical circuits. 3,006,819, 10-31-61, Cl. 204—15.

Wilson, William L., to Columbia-Southern Chemical Corp. Production of metal oxide pigments. 2,968,529, 1-17-61, Cl. 23—202.

Wilson's, William M., Sons: *See*—
Wilson, Ronald M., Dunning, and Madill. 3,008,608.

Wilson, William R.: *See*—
Jacob, Mark I., and Wilson. 2,969,508.

Wilson, Woodrow S., and D. M. Malick. Dispensing caps. 2,971,680, 2-14-61, Cl. 222—512.

Wilsted, Harold D., to General Motors Corp. Fuel spray bar assembly. 2,993,338, 7-25-61, Cl. 60—39.74.

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Hawthorne, John O., and Wilt. 2,971,962.
Hawthorne, John O., and Wilt. 2,996,519.
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Wilt, Paul E., III, and R. G. Nelson, to Atlas Powder Co. Nitrostarch composition and method of making the same. 2,968,541, 1-17-61, Cl. 52—5.

Wilting, Johannes J., and T. Hehenkamp, to North American Philips Co., Inc. Transistor voltage converter. 3,008,068, 11-7-61, Cl. 315—206.

Wilton, Herbert C. Truck loading conveyor for ditching machines. 3,001,653, 9-26-61, Cl. 214—83.36.

Wilton Tool Mfg. Co., Inc.: *See*—
Vogl, Alexander J. and H. W. 3,007,358.

Wiltrout, Creed A. Traction belts. 2,966,906, 1-3-61, Cl. 128—75.

Wiltse, Dudley K. Hydraulic tooth extractor. 2,977,683, 4-4-61, Cl. 32—61.

Wiltshire, Arthur J., to White Sewing Machine Corp. Winding machine for pressure vessels. 2,966,935, 1-3-61, Cl. 154—1.8.

Wiltshire, Arthur J., to White Sewing Machine Corp. Method and apparatus for forming fiber glass tubes. 3,012,922, 12-12-61, Cl. 156—28.

Wiltz, John L., to Harper-Wyman Co. Gas valves. 3,011,721, 12-5-61, Cl. 236—99.

Wilzig, Herbert: *See*—
Schuessler, Charles J., and Wilzig. 3,005,650.

Wimmer, Glen E. Liquid duplicator. 2,999,454, 9-12-61, Cl. 101—132.5.

Wimmerstedt, Nils Å. H.: *See*—
Fors, Torsten K. L., and Wimmerstedt. 2,988,338.

Wimpfheimer, A., & Bro. Inc.: *See*—
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Winberg, Hilmer E., to E. I. du Pont de Nemours and Co. Cyclic dimers of certain furan and thiophene type compounds. 2,995,570, 8-8-61, Cl. 260—329.

Winberg, Ragnar W. Prong sorting apparatus. 2,998,119, 8-29-61, Cl. 198—33.

Winberry, George H., Jr., to Cogsdill Tool Products, Inc. Cutting tool. 3,008,360, 11-14-61, Cl. 77—73.5.

Winch, Allen R., to Personal Products Corp. Holder for a disposable cleaning swab. 2,998,614, 9-5-61, Cl. 15—210.

Winchel, Henry T.: *See*—
Haydon, Arthur W., and Winchel. 2,999,928.

Winchell, Bryant C., to The Atlantic Refining Co. Waterproof ammonium nitrate explosive. 3,013,872, 12-19-61, Cl. 149—7.

Winchell, Frank J., to General Motors Corp. Split torque transmission. 3,003,367, 10-10-61, Cl. 74—688.

Winchell, Frank J., to General Motors Corp. Transmission. 3,003,368, 10-10-61, Cl. 74—752.

Winchell, Frank J., to General Motors Corp. Split torque transmission. 3,004,452, 10-17-61, Cl. 74—688.

Winchell, Frank J., and O. K. Kelley, to General Motors Corp. Transmission. 3,008,349, 11-14-61, Cl. 74—688.

Winchell, Frank J., and O. K. Kelley, to General Motors Corp. Transmission. 3,010,278, 11-28-61, Cl. 60—12.

Winchester, William W., Sr. Fastening device. 2,983,011, 5-9-61, Cl. 24—117.

Winckler, Gunnar A. F.: *See*—
Amodio, Nicholas, and Winckler. 2,983,899.

Winckler, John R.: *See*—
Huch, William F., Ney, and Winckler. 2,997,259.
Huch, William F., and Winckler. 2,977,069.

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Windall, Owen D. Practice machine. 2,982,136, 5-2-61, Cl. 73—381.

Windberg, Hilmer E.: *See*—
Wahlig, Charles F., and Winberg. 2,984,627.

Windbichler, Victor, and H. F. Gobel, to Kalle Aktiengesellschaft. Process and compositions for enzymatic desizing and bleaching of textiles. 2,974,001, 3-7-61, Cl. 8—108.

Windbiel, Harold N.: *See*—
Brown, David G., and Windbiel. 2,977,084.

Windemuth, Erwin: *See*—
Piepenbrink, Hans-Frank, and U., and Windemuth. 3,001,973.

Winder, William C., and D. H. Bullock, to Wisconsin Alumni Research Foundation. Process of modifying dried milk. 3,008,830, 11-14-61, Cl. 99—56.

Windgassen, Richard J., Jr.: *See*—
Boekelheide, Virgil C., and Windgassen. 2,986,563.

Windham, Elwood A.: *See*—
Hewett, John B., and Windham. 3,009,331.

Windish, Joseph H. Spring clip. 2,985,932, 5-30-61, Cl. 24—81.

Windish, Joseph H. Self-adjusting fastener. 3,006,048, 10-31-61, Cl. 24—16.

Windsor, Harold F., to General Electric Co. Luminescent screen settling. 2,970,930, 2-7-61, Cl. 117—33.5.

Windstrup, Robert F., J. Boehler, and W. Schneider, to Peters Machinery Co. Carton forming and lining machine. 2,974,571, 3-14-61, Cl. 93—36.01.

Windus, Wallace, E. M. Filachione, and W. F. Happich, to United States of America, Agriculture. Tanning with tetrakis (hydroxymethyl)phosphonium chloride and phenol. 2,992,879, 7-18-61, Cl. 8—94.33.

Winegar, Robert L., to J. M. Huber Corp. Oil well tubing cleaners. 2,979,133, 4-11-61, Cl. 166—176.

Winegar, Rollin E.: *See*—
Edwards, Cyril J., Jr., and Winegar. 2,980,144.

Winegard Co.: *See*—
Winegard, John R. 3,001,195.
Winegard, John R. 3,007,167.

Winegard, John R. TV antenna driven element. 2,992,430, 7-11-61, Cl. 343—814.

Winegard, John R., to Winegard Co. Antenna structure. 3,001,195, 9-19-61, Cl. 343—864.

Winegard, John R., to Winegard Co. Universal TV and FM antenna. 3,007,167, 10-31-61, Cl. 343—803.

Wineman, Robert J., to Monsanto Chemical Co. Poultry feed. 3,001,874, 9-26-61, Cl. 99—4.

Wineman, Robert J., and C. E. Anagnostopoulos, to Monsanto Chemical Co. Methionine analogues. 2,975,192, 3-14-61, Cl. 260—332.3.

Winfield, Arnold F.: *See*—
Oliver, Thomas J., Prokop, Sinclair, Warren, and Winfield. 2,972,569.

Winfield, Frank: *See*—
Whittaker, George A., Winfield, Beard, and Brettle. 3,012,778.
Winfrey Bros., Inc.: *See*—
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Wing, Charles E. Current-return pipe clamp. 3,013,241, 12–12–61. Cl. 339—14.
Wing, Howard. Supports for display fixtures and the like. 2,992,743, 7–18–61, Cl. 211—90.
Wing, Ralph L., to Pneumatic Scale Corp., Ltd. Bag closing machine and control means therefor. 3,001,341, 9–26–61, Cl. 53—76.
Wing, Richard E., and B. G. Hofmeyer, to The Dow Chemical Co. Spray coating method and coated spray booth. 2,991,188, 7–4–61, Cl. 117—5.5.
Wing, Willis G.: *See*—
Smith, Harry J., and Wing. 2,973,647.
Wing, Willis G., and J. R. Mott, to Sperry Rand Corp. Coercion-free capacitance bridge pick-off. 2,978,638, 4–4–61, Cl. 324—70.
Wingard, William F., and R. A. Gosselin, ½ to United-Carr Fastener Corp., and ½ to A. Wells & Co. Ltd. Vibration isolator. 3,003,739, 10–10–61, Cl. 248—358.
Wingate, John L. Folding box. 2,982,464, 5–2–61, Cl. 229—35.
Wingen, Peter: *See*—
Burk, Willy, and Wingen. 2,997,906.
Winger, Stover C.: *See*—
Manning, Oscar, and Winger. 2,995,144.
Winger, Wayne D., P. W. Jackson, and V. R. Witt, to International Business Machines Corp. Data transmission system. 2,978,678, 4–4–61, Cl. 340—172.5.
Winget Ltd.: *See*—
Buck, Leon E. 2,981,101.
Winget, William A. Cushioned pusher cup attachment for bulldozer mold boards. 2,999,697, 9–12–61, Cl. 280—481.
Winhoven, Joseph F. Artificial fish bait. 2,981,028, 4–25–61, Cl. 43—42.48.
Winick, Jack I., to A. Lorenz. Reclining chairs. 3,005,660, 10–24–61, Cl. 297—61.
Winicov, Murray W.: *See*—
Shelanski, Morris V., and Winicov. 2,977,278.
Winikoff, Harold, to Atlantic Spring Products Co. Combination box spring and bed board. 2,992,443, 7–18–61, Cl. 5—351.
Wininger, Lee W., to FMC Corp. Rotary mower blade. 3,003,298, 10–10–61, Cl. 56—25.4.
Winkel, Herbert C., and C. H. McAlpine, to Kalamazoo Mfg. Co. Group burning fixture. 3,000,341, 9–19–61, Cl. 113—122.
Winkel Machine Co., Inc.: *See*—
Barnett, Donald K. 2,968,472.
Miller, Douglas E., and Mangum. 2,988,239.
Winkel, Peter: *See*—
Koblusek, Richardus J. M., Winkel, and Troelstra. 3,014,166.
Troelstra, Sjerp A., and Winkel. 3,015,047.
Winkelman, Russell, to Belden Mfg. Co. Method of making heater cords. 2,971,873, 2–14–61, Cl. 154—2.25.
Winker, James A., to Raven Industries, Inc. Atmospheric powered demand-ballaster. 2,983,950, 5–16–61, Cl. 244—94.
Winkin, Justin P.: *See*—
Brooks, Ernest A., Friese, Harvey, and Winkin. 2,982,269.
Winkler, Albert H., to The Bendix Corp. Carburetor. 2,984,466, 5–16–61, Cl. 261—64.
Winkler, Albert H., to The Bendix Corp. Carburetor. 2,991,986, 7–11–61, Cl. 261—46.
Winkler, Albert H., to The Bendix Corp. Carburetor. 3,006,621, 10–31–61, Cl. 261—69.
Winkler, Alfred, to Agfa Aktiengesellschaft. Single lens reflex camera. 3,008,397, 11–14–61, Cl. 95—42.
Winkler, Alfred, to Agfa Aktiengesellschaft. Camera control structure. 3,013,482, 12–19–61, Cl. 95—64.
Winkler, Alvin L., to Acme Steel Co. Strap guide. 2,985,098, 5–23–61, Cl. 100—25.
Winkler, De Loss E., and K. Nozaki; said Winkler assor. to Shell Oil Co. Polymerization catalysts. 2,971,925, 2–14–61, Cl. 252—429.
Winkler, Edward J., to No-Sag Spring Co. Spring strip cover. 3,011,183, 12–5–61, Cl. 5—353.7.
Winkler, Erhard M. Method of stabilizing soil with soluble dried blood. 2,971,293, 2–14–61, Cl. 47—58.
Winkler, Eric H. Insertable waveguide termination. 3,001,152, 9–19–61, Cl. 333—22.
Winkler, Frederic C., and G. J. Picha, to Westinghouse Electric Corp. Wiring device. 2,980,880, 4–18–61, Cl. 339—50.
Winkler, Frederic C., and N. Stuffer, to Westinghouse Electric Corp. Light refractor. 3,001,062, 9–19–61, Cl. 240—106.
Winkler, Glenn D., to Westinghouse Electric Corp. Fluid control apparatus. 2,982,302, 5–2–61, Cl. 137—596.1.
Winkler, Gunnar: *See*—
Von Segebaden, Ernst, Winkler, and Claesson. 2,999,235.
Winkler, Hans J. S.: *See*—
Tuemmler, William B., and Winkler. 2,979,505.
Winkler, Heinz: *See*—
Anselm, Hans, Smidt, and Winkler. 2,985,636.
Anselm, Hans, Winkler, and Smidt. 2,985,637
Winkler, Richard, and K. Dunnebier, to Berkley Machine Co. Method of and apparatus for making envelopes. 2,983,201, 5–9–61, Cl. 93—62.
Winkler, Richard, and K. Dunnebier, to Berkley Machine Co. Apparatus for packing and boxing envelopes. 2,996,859, 8–22–61, Cl. 53—124.
Winkler, Richard, and K. Dunnebier, to Berkley Machine Co. Apparatus for cutting and applying patches to window envelope blanks and like articles. 2,996,962, 8–22–61, Cl. 93—61.
Winkler, Richard, and K. Dunnebier, to Berkley Machine Co. Method and apparatus for forming and wrapping packs of envelopes and similar articles. 3,000,151, 9–19–61, Cl. 53—3.
Winkler, Robert A. Equipment for producing panoramic pictures. 2,977,844, 4–4–61, Cl. 88—166.
Winkler, Winfred W. Method of and apparatus for installing metal sheathed electric transmission cable. 2,985,218, 5–23–61, Cl. 153—32.
Winland, Robert L. Hoist structure. 2,970,490, 2–7–61, Cl. 74—142.
Winn, George M.: *See*—
Lynch, Frederick E., Palmer, Poppendiek, and Winn. 2,984,744.
Winn, Hans. Display devices. 2,997,181, 8–22–61, Cl. 211—1.6.
Winn, John D. Excavating apparatus. 2,984,025, 5–16–61, Cl. 37—97.
Winn, Lloyd G., ⅓ to R. Parkinson. Ventilation system for automobiles. 2,987,980, 6–13–61, Cl. 98—2.
Winn, Oliver H., to General Electric Co. Pulse forming apparatus. 3,002,113, 9–26–61, Cl. 307—106.
Winn, Roy W. Line connector and method of securing a line thereto. 2,984,882, 5–23–61, Cl. 24—131.
Winn, Vernon C., to Hercules Powder Co. Manufacture of nitric acid. 3,003,851, 10–10–61, Cl. 23—162.
Winnan, Russell M., to American Screen Products Co. Special spline for screen cloth. 2,978,022, 4–4–61, Cl. 160—394.
Winnek, Douglas F., to Autolab Corp. Apparatus for processing photographic elements. 2,989,911, 6–27–61, Cl. 95—89.
Winnek, Douglas F., to Autolab Corp. Apparatus and method for processing photographic elements. 3,000,288, 9–19–61, Cl. 95—89.
Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen. 2,974,964.
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Van Scoyk, Melvin W. 2,991,505.
Winski, Mortimer C. Coil hauling vehicle. 2,971,795, 2–14–61, Cl. 296—28.
Winslow, Alfred E.: *See*—
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Winslow, Charles A. Anchor stowage. 2,977,921, 4–4–61, Cl. 114—179.
Winslow, Charles A. Balanced safety anchor. 2,981,219, 4–25–61, Cl. 114—208.
Winslow, Charles A. Centrifuging and lubricant-purifying device. 2,983,384, 5–9–61, Cl. 210—132.
Winslow, Charles A. Lightweight balanced safety anchors. 2,994,292, 8–1–61, Cl. 114—208.
Winslow, Charles A. Lubricant purifying unit. 2,994,403, 8–1–61, Cl. 183—2.5.
Winslow, Douglas L., to The Goodyear Tire & Rubber Co. Apparatus for building air spring. 2,998,049, 8–29–61, Cl. 154—1.
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Winslow Mfg. Co.: *See*—
Lee, Aaron, and Carl. 2,985,358.
Price, Leo. 2,973,582.
Winslow, Nathaniel M. Resins and methods of their production. 2,992,935, 7–18–61, Cl. 106—284.
Winslow, Nathaniel M. Hydrocarbonaceous resin impregnated material and method of preparing same. 3,004,862, 10–17–61, Cl. 117—61.
Winson, Jonathan. Glove and method of manufacture thereof. 2,970,317, 2–7–61, Cl. 2—169.
Winsor & Jernuld Mfg. Co.: *See*—
Zuck, Matthew M., and Waterman. 3,000,073.
Winsor, Keith L.: *See*—
Wiancko, Thomas H., and Winsor. 3,002,159.
Winsor, Keith L., to Daystrom, Inc. Frequency modulated dual feedback phase shift oscillator. 2,978,653, 4–4–61, Cl. 332—22.
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Lippitt, Kendrick H., and Winsor. 3,010,106.
Winstead, Richard L.: *See*—
Murphey, Robert L., McClure, Rueping, and Winstead. 2,970,695.
Winstead, Thomas W., to Hedwin Corp. Thermoforming process for thermoplastic sheeting. 2,985,915, 5–30–61, Cl. 18—19.
Winstead, Wade T.: *See*—
Braunwarth, John B., and Winstead. 2,994,722.
Winsten, Walter A. Stable vitamin A compositions and methods for making same. 2,982,691, 5–2–61, Cl. 167—81.
Winston, Adolph A., and D. J. Kelley, to General Foods Corp. Process for treating coconut and edible product. 2,973,272, 2–28–61, Cl. 99—125.
Winston, Elwyn C., and B. S. Holzman, to Bowling Slacks, Inc. Trousers. 2,977,601, 4–4–61, Cl. 2—237.

Winston, John M.: *See*—
Hutchinson, Roland V., Furbush, Winston, and Zimmerman. 2,986,237.

Winston, John M., to Sarkes Tarzian, Inc. Switch. 2,976,384, 3–21–61, Cl. 200—166.

Winston, Laura. Blouse. 2,985,884, 5–30–61, Cl. 2—106.

Winstrom, Leon O., R. D. Samdahl, and P. S. Perch, to Allied Chemical Corp. Catalytic hydrogenation of the dinitro derivatives of toluene. 2,976,320, 3–21–61, Cl. 260—580.

Wint, Cecil T., and J. Mazur, to Westinghouse Electric Corp. Motor position indicator. 2,999,199, 9–5–61, Cl. 318—265.

Winter, Charles F., and J. E. Walsh, to Raytheon Co. Slotted waveguide antennas. 3,005,984, 10–24–61, Cl. 343—771.

Winter, Charles H., Jr., to E. I. du Pont de Nemours and Co. Method of producing refractory metal. 2,997,385, 8–22–61, Cl. 75—84.5.

Winter, David F., to Moloney Electric Co. Transformer lightning arrester system. 2,993,146, 7–18–61, Cl. 317—15.

Winter, David H., to United States of America, Navy. Aircraft carrier. 3,000,343, 9–19–61, Cl. 114—43.5.

Winter, Eric E., and S. H. Russell, to Atomic Energy of Canada Ltd. Liquid-liquid contact extractor. 2,990,254, 6–27–61, Cl. 23—270.5.

Winter, Ernest F.: *See*—
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Wooldridge, James A., and Winter. 3,012,569.

Winter, Frederick R., to E. I. du Pont de Nemours and Co. Treatment for polymeric film to restrain gauge variation. 2,995,779, 8–15–61, Cl. 18—48.

Winter, Gerhard. Device for determining the specific gravity of liquids which contain gases such as more particularly crude petroleum. 2,970,477, 2–7–61, Cl. 73—435.

Winter, Gerhard, E. Munk, and H. Sträb, to Robert Bosch, G.m.b.H. High voltage condenser for impulse discharges. 3,014,167, 12–19–61, Cl. 317—260.

Winter, Lester L., to Union Carbide Corp. All carbon impervious graphite and carbon articles. 2,972,552, 2–21–61, Cl. 117—46.

Winter, Ralph: *See*—
Narud, Jan A., and Winter. 2,996,674.

Winter, Robert F. Dough roller, 2,998,785, 9–5–61, Cl. 107—12.

Winter, William R., to Westinghouse Electric Corp. Safety circuits for electric motors driving refrigerant compressors. Re. 25,049, 10–10–61, Cl. 62—163.

Winterberg, Alexander. Method of preserving comestibles. 2,975,067, 3–14–61, Cl. 99—166.

Wintercorn, Andrew F., to Western Newell Mfg. Co. Drapery hook construction. 3,003,210, 10–10–61, Cl. 24—84.

Winterfeldt, Irving J. Machine for frying doughnuts and the like. 3,008,404, 11–14–61, Cl. 99—406.

Winterhalter, Alfred C., W. E. Holtkamp, Jr., and N. B. Blake, to Sun Oil Co. Seismic surveying method and apparatus. 2,991,447, 7–4–61, Cl. 340—15.

Winterhalter, Alfred C., and W. T. Evans, to Sun Oil Co. Method and apparatus for reproduction of seismic records. 3,002,180, 9–26–61, Cl. 340—15.

Winterhoff, Carl O., to himself and Winterhoff, Helen K. Boss, jointly. Dolly for vacuum cleaners. 3,013,807, 12–19–61, Cl. 280—79.1.

Winterhoff, Helen K. Boss: *See*—
Winterhoff, Carl O. 3,013,807.

Wintermute, Glenn E., J. K. Smith, and J. J. Leben, to Arvin Industries, Inc. Method of making quilted padded articles. 3,012,926, 12–12–61, Cl. 156—199.

Wintermute, Joseph T., and H. Otzmann, Jr., to Westinghouse Electric Corp. Electrical measuring instruments. 2,985,832, 5–23–61, Cl. 324—151.

Winternitz, Paul F., and L. J. Spillane, to Thiokol Chemical Corp. Synthesis of borazoles. 3,008,988, 11–14–61, Cl. 260—551.

Winters, Charles E.: *See*—
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Winters, Donald F., and G. W. Niemeyer, to Westinghouse Electric Corp. Compressor flow control mechanism. 2,970,435, 2–7–61, Cl. 60—39.28.

Winters, Harry K., to Ray Oil Burner Co. Firing rate control for oil burners and the like. 2,978,018, 4–4–61, Cl. 158—28.

Winters, John B., to Incar, Inc. Pilot electroplating cell. 3,007,861, 11–7–61, Cl. 204—195.

Winters, Paul N., to Hughes Aircraft Co. Radio frequency switch using series resonant circuit with shunt gate at voltage maximum node. 2,992,338, 7–11–61, Cl. 307—88.5.

Wintersberger, Karl, K. Jockers, and H. Meier, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of hydroxylamine. 3,009,779, 11–21–61, Cl. 23—190.

Wintersteiner, Oskar P.: *See*—
Weisenborn, Frank L., Wintersteiner, and Diassi. 2,977,365.

Winther, Howard: *See*—
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Winther, Howard, to Symington Wayne Corp. Automatic slack adjuster. 2,995,219, 8–8–61, Cl. 188—200.

Winther, Jerrold B., to Eaton Mfg. Co. Dynamometer. 2,980,812, 4–18–61, Cl. 310—93.

Winthrop, Arthur S.: *See*—
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Winthrop, Stanley O.: *See*—
Humber, Leslie G., and Winthrop. 2,989,532.
Myers, Gordon S., and Winthrop. 2,975,208.

Winthrop, Stanley O., to American Home Products Corp. N-benzhydryl-o-alkylpseudoureas and their salts. 2,971,973, 2–14–61, Cl. 260—453.

Winthrop, Stanley O., to American Home Products Corp. 3-benzhydrylmorpholine and salts thereof, and method of preparing said compounds. 2,993,895, 7–25–61, Cl. 260—247.

Winthrop, Stanley O., and R. Gaudry, to American Home Products Corp. 4-(ω-dialkylaminoalkyl)-2-phenyl-1,4-benzothiazines and salts thereof. 2,989,528, 6–20–61, Cl. 260—243.

Winthrop, Stanley O., and R. Gaundry, to American Home Products Corp. 4-(ω-dialkylaminoalkyl)-2-phenyl-3-keto-2,3-dihydro-1,4-benzothiazines and salts thereof. 3,006,916 10–31–61, Cl. 260—243.

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Wintrode, Warner C., to The Bendix Corp. Electronic fuel metering system for gas turbine engines. 2,971,337, 2–14–61, Cl. 60—39.28.

Winyall, Milton E., to W. R. Grace & Co. Process for preparing silica-alumina cracking catalysts and a hydrocarbon conversion process using said catalysts. 3,003,951, 10–10–61, Cl. 208—120.

Winz, Karl: *See*—
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Winz, Karl, to G. M. Pfaff A.G. Conveyor arrangement particularly for textile plants. 2,993,584, 7–25–61, Cl. 198—38.

Winz, Karl, and K. N. A. Hedegaard, to G. M. Pfaff, A.G. Cloth guide control for sewing and the like machines. 2,977,908, 4–4–61, Cl. 112—153.

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Winzen, Otto C., and R. C. Hawkins, to Winzen Research, Inc. Apparatus for launching balloons. 2,967,677, 1–10–61, Cl. 244—2.

Winzen Research, Inc.: *See*—
Winzen, Otto C., and Hawkins. 2,967,677.

Winzenburg, Wilhelm, to VEB Kamera- und Kinowerke Dresden. Stereo-camera for scientific and surgical photography. 2,990,765, 7–4–61, Cl. 95—86.

Wiora, Joseph A., to Wiora Products Corp. Battery terminal clamp. 3,000,998, 9–19–61, Cl. 136—135.

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Wiora, Joseph A. 3,000,998.

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Wire Rope Corp. of America: *See*—
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Wirkkala, Albert R. Log loader. 3,003,653, 10–10–61, Cl. 214—147.

Wirkkala, Oscar A. Marine propeller. 2,978,040, 4–4–61, Cl. 170—170.

Wirma, Adolf E., to Aktiebolaget Specialpapper. Device for regulating the average effect of an electric heating apparatus. 3,015,015, 12–26–61, Cl. 219—20.

Wirsching, Robert J., to Daimler-Benz Aktiengesellschaft. Multi-plunger injection pump. 2,972,307, 2–21–61, Cl. 103—38.

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Wirth, Friedrich: *See*—
Kroeper, Hugo, Wirth, and Huchler. 3,009,951.

Wirth, Emil R., to Miehle-Goss-Dexter, Inc. Saddle for supporting thin printing plates. 2,970,540, 2–7–61, Cl. 101—415.1.

Wirth, Emil R. Improvements in gas turbines. 2,976,684, 3–28–61, Cl. 60—39.75.

Wirth, Hans A.: *See*—
Behnke, George W., and Wirth. 2,992,784.

Wirth, Hans A., N. E. Briggs, W. R. Kittle, and G. B. Judson, to Simplicity Engineering Co. Crusher apparatus and methods of crushing aggregates. 2,992,783, 7–18–61, Cl. 241—275.

Wirth, Max M.: *See*—
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Wirth, Max M., to British Hydrocarbon Chemicals Ltd. Production of conjugated diolefins. 2,997,509, 8–22–61, Cl. 260—681.

Wirth, Otto, to Micafil A.-G. Mechanical reversing device for the wire guide on coil winding machines. 2,986,041, 5–30–61, Cl. 74—40.

Wirth, Raymond E., to Weyerhaeuser Co. Edge patching apparatus. 2,985,203, 5–23–61, Cl. 144—2.

Wirth, Thomas and W. Kocher. Vibratory centrifuge. 2,991,887, 7–11–61, Cl. 210—376.

Wirth, Thomas, and H. Kunscher, to Krauss-Maffei Aktiengesellschaft. Railway vehicle. 3,011,458, 12–5–61, Cl. 105—196.
Wirth, Wilhelm: *See*—
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Herb, Raymond G. 2,967,223.
Johnson, William S., Collins, Pappo, and Rubin. 2,973,357.
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Hollenbeck, Clifford M. 2,988,449.
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Wise, Charles S. Shoulder exerciser. 3,013,799, 12–19–61, Cl. 272—79.
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Wise, Elmer L., to Underwood Corp. Clear sign printing means for an accounting machine having true negative totalization. 3,003,686, 10–10–61, Cl. 235—60.17.
Wise, James. Polish machine for billiard balls and the like. 2,992,446, 7–18–61, Cl. 15—97.
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Wise, James C., to Thompson Ramo Wooldridge Inc. Turbine speed control apparatus. 2,988,326, 6–13–61, Cl. 253—59.
Wise, James C., to Thompson Ramo Wooldridge Inc. Rocket with fluid flame extinguisher for extruded fuel. 2,988,879, 6–20–61, Cl. 60—35.6.
Wise, Joseph H. Material handling apparatus. 3,011,665, 12–5–61, Cl. 214—84.
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Wise, Ralph H., to The Anderson Co. Bearing structure. 2,981,568, 4–25–61, Cl. 308—6.
Wise, Ralph H., to The Anderson Co. Multiple valve structure. 2,996,081, 8–15–61, Cl. 137—624.
Wise, Ralph H., to The Anderson Co. Motion-converting device. 2,999,399, 9–12–61, Cl. 74—441.
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Wise, Ralph H., to The Anderson Co. Valve. 3,006,375, 10–31–61, Cl. 137—627.5.
Wise, Ralph H., to The Anderson Co. Motion-transmitting mechanism. 3,006,631, 10–31–61, Cl. 268—124.
Wise, Ralph H., to The Anderson Co. Vehicle window stabilizer. 3,006,681, 10–31–61, Cl. 296—44.5.
Wise, Ralph H., to The Anderson Co. Motion-transmitting device. 3,014,379, 12–26–61, Cl. 74—424.8.
Wise, Robert A., to General Electric Co. Light sensitive control circuit. 2,967,981, 1–10–61, Cl. 317—124.
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Wiseman, Adolph D. Dental device and method. 2,979,056, 4–11–61, Cl. 128—278.
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Wiseman, Neil L., and C. W. Baxter, to General Dynamics Corp. Variable level gating circuit. 2,986,655, 5–30–61, Cl. 307—88.5.
Wiseman, Russell M., to Diamond Alkali Co. Improved cooling means on a rotating cylinder. 3,008,701, 11–14–61, Cl. 266—38.
Wiseman, Russell M., to Diamond Alkali Co. Apparatus for discharging particulate material. 3,011,829, 12–5–61, Cl. 302—19.
Wiseman, William A., to Continental Motors Corp. Engine construction. 3,007,350, 11–7–61, Cl. 74—574.
Wiser, George L., to Lockheed Aircraft Corp. High impact strength transparent enclosure. 3,009,845, 11–21–61, Cl. 154—2.7.
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Wismer, Marco, and W. R. Hydro, to Pittsburgh Plate Glass Co. Process to prepare 1-pentachlorophenoxy-2,3-propanediol. 3,004,073, 10–10–61, Cl. 260—613.
Wisner, Benjamin, to Custom Mfg. Co. Display boxes for wrist watches and the like banded articles. 3,005,541, 10–24–61, Cl. 206—45.13.
Wisner, Jackson W., R. G. Lacoste, and H. D. Kluge, to Texaco Inc. Process for treating hydrocarbon phosphorus sulfide reaction products. 2,987,512, 6–6–61, Cl. 260—139.
Wisseroth, Karl, E.-G. Kastning, and H.-G. Trieschmann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Recovery of pure olefine polymers. 3,001,977, 9–26–61, Cl. 260—93.7.
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Wissman, Seth, to Pest-Guard Products, Inc. Dispensing container. 2,997,211, 8–22–61, Cl. 222—142.9.
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La Fave, Ivan V., and Wissmiller. 2,999,366.
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Wistrich, Harry A., and R. B. Olney, to Shell Oil Co. Fluid mixer with rotating baffles. 3,010,804, 11–28–61, Cl. 23—270.5.
Wistrich, Harry A., to Shell Oil Co. Gas-liquid contacting apparatus with shutter trays. 3,013,780, 12–19–61, Cl. 261—84.
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Withee, Robert E., and B. F. Anthony, to Oglebay Norton Co. Composite hot top and method of manufacture. 2,988,793, 6–20–61, Cl. 22—147.
Witherby, George W., ¼ to H. D. Reeve. Wallpaper edge trimmer. 3,009,246, 11–21–61, Cl. 30—272.
Witherby, Thomas H., to United States of America, Navy. Rotating feed for microwave conical scan. 2,996,716, 8–15–61, Cl. 343—781.
Witherell, Arthur E. Watercloset ventilator. 2,990,557, 7–4–61, Cl. 4—213.
Withers, James C., and P. E. Ritt, Jr., to Melpar, Inc. Plating nickel on aluminum. 2,970,090, 1–31–61, Cl. 204—33.
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Witherspoon, Jack, Jr., to Robertshaw-Fulton Controls Co. Fluid mixing valves. 2,982,476, 5–2–61, Cl. 236—12.
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Wittenmyer, Carlos. Punching and reading apparatus for calculating machines. 2,996,245, 8–15–61, Cl. 235—61.6.
Wittenwyler, Clifford V., and R. E. Brown, to Shell Oil Co. Polyester paving process. 3,008,387, 11–14–61, Cl. 94—22.
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Wittke, Ernest C., to Sperry Rand Corp. Position servo system. 2,978,622, 4–4–61, Cl. 318—31.
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Wittke, Ernest C., to Combustion Engineering, Inc. Method and apparatus of steam generation. 2,983,259, 5–9–61, Cl. 122—4.
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Witzke, Edmund, deceased; H. G. Witzke, administratrix of the estate of said E. Witzke. Cup. 2,988,258, 6–13–61, Cl. 229—1.5.
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Wleugel, Johan, to Elektrokemisk A/S. Apparatus for supplying current to high amperage electrolytic cells. 2,999,801, 9–12–61, Cl. 204—244.
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Wognum, Willis S., and M. J. Teibel, to Helix Corp. Mobile auger box for mixing, blending and distributing granular material. 2,998,152, 8–29–61, Cl. 214—522.

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Wojciechowski, Bogumil M., to Bell Telephone Laboratories, Inc. Frequency tracking system. 2,996,684, 8–15–61, Cl. 331—38.

Wojciechowski, Mieczyslaw, to General Motors Corp. Electrically conductive wiper blade. 2,975,459, 3–21–61, Cl. 15—250.36.

Wojciechowski, Mieczyslaw, to General Motors Corp. Windshield wiper blade and method of making same. 3,001,221, 9–26–61, Cl. 15—250.36.

Wojcik, Bruno H., to Olin Mathieson Chemical Corp. Gasoline containing azines. 2,969,278, 1–24–61, Cl. 44—63.

Wojcik, Bruno H., to Olin Mathieson Chemical Corp. Cyanuric acid manufacture. 3,008,961, 11–14–61, Cl. 260—248.

Wojcik, Frank A. Cubical vision motion picture apparatus. 2,997,537, 8–22–61, Cl. 178—7.2.

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Wolar, Isidore. Lighting fixture. 2,967,928, 1–10–61, Cl. 240—78.

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Wolf, Charles. Sprinkler guard. 3,009,651, 11–21–61, Cl. 239—231.

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Wolf, Fred C., to International Harvester Co. Hydraulic ram mounting. 2,994,544, 8–1–61, Cl. 280—43.23.

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Wolf, Howard C. Bed with novel mattress and spring unit. 2,968,816, 1–24–61, Cl. 5—18.

Wolf, Julius F., and P. M. Morgner, to VEB Farbenfabrik Wolfen. Ion exchange resins from vinyl-heterocyclic compounds diamines and aldehydic cross linkers. 2,993,012, 7–18–61, Cl. 260—2.1.

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Wolf, Oscar. Sewing method and apparatus and article made thereby. 2,982,242, 5–2–61, Cl. 112—262.

Wolf, Otto, W. Wenzel, K. Schmidt, R. Hebenstreit, W. Hulsse, and R. Dorling, to Steinmuller, L & C., G.m.b.H. Method of production and arrangement of steam boilers heated by highly aggressive gases. 3,001,513, 9–26–61, Cl. 122—7.

Wolf, Peter S., and J. Kaplan. Covered backwashers. 2,975,495, 3–21–61, Cl. 24—95.

Wolf, Philip C., to General Electric Co. Cooling structure. 2,973,937, 3–7–61, Cl. 253—39.15.

Wolf, Ralph F., to Pittsburgh Plate Glass Co. Transparent rubber vulcanizate. 3,014,883, 12–26–61, Cl. 260—33.6.

Wolf, Raymond B., to The Borden Co. Process and apparatus for washing curd for cottage cheese. 2,980,538, 4–18–61, Cl. 99—116.

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Wolf, Tobin, to Westinghouse Electric Corp. Article locating device. 2,991,812, 7–11–61, Cl. 140—71.5.

Wolf, William E., to Storm-Vulcan, Inc. Boring machine mounting fixture. 2,986,050, 5–30–61, Cl. 77—2.

Wolfbauer, Michael H., Jr. Improvements in fluid-operated pressure-applying devices such as pressure-equalizing resistance welding device. 3,008,032, 11–7–61, Cl. 219—89.

Wolfbauer, Michael H., Jr. Fluid-operated pressure-applying devices. 3,008,034, 11–7–61, Cl. 219—89.

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Armstrong, Philip N., Jungclas, and Wolfe. 2,984,824.

Wolfe, Harry W., Jr., to E. I. du Pont de Nemours and Co. Cellular polyurethane and method of preparing same. 2,993,013, 7–18–61, Cl. 260—2.5.

Wolfe, Homer L., to Johns-Mansville Fiber Glass Inc. Method and apparatus for coating continuous fibers. 2,968,278, 1–17–61, Cl. 118—257.

Wolfe, John E., to Northrop Corp. Aircraft enclosure edge attachment. 3,011,210, 12–5–61, Cl. 16—128.

Wolfe, John S., to General Motors Corp. Lubricant system. 2,980,475, 4–18–61, Cl. 308—240.

Wolfe, Peter N., and E. A. Sack, Jr., to Westinghouse Electric Corp. Solid state image-producing screens. 2,988,646, 6–13–61, Cl. 250—213.

Wolfe, Robert A., to Spear Products, Inc. Record changer. 2,982,553, 5–2–61, Cl. 274—10.

Wolfe, Robert M., to Bell Telephone Laboratories, Inc. Electrical circuit employing a ferroelectric capacitor. 2,984,754, 5–16–61, Cl. 307—88.5.

Wolfe, Russell, to Trans Sonics, Inc. Pressure sensing instrument. 2,999,385, 9–12–61, Cl. 73—398.

Wolfe, Russell, to Trans-Sonics, Inc. High precision diaphragm type instruments. 2,999,386, 9–12–61, Cl. 23—398.

Wolfe, Russell G., to Diamond Chain Co., Inc. Method of making welded sprockets. 3,012,317, 12–12–61, Cl. 29—479.

Wolfe, Sheemon A. Grommet. 2,994,933, 8–8–61, Cl. 24—141.

Wolfendale, Eric, to North American Philips Co., Inc. Trigger circuit comprising transistors. 2,986,650, 5–30–61, Cl. 307—88.5.

Wolfendale, Eric, to North American Philips Co., Inc. Means for compensating electric circuit arrangements in relation to external conditions. 2,991,424, 7–4–61, Cl. 330—40.

Wolfensperger, Adolph, to Rockwell Mfg. Co. Plug valve. 3,005,617, 10–24–61, Cl. 251—124.

Wolff, Charles J. Valve apparatus. 2,969,091, 1–24–61, Cl. 137—625.43.

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Wolff, Gunther, to Machine Tool Automation, Inc. Inductive digital encoders. 3,003,145, 10–3–61, Cl. 340—347.

Wolff, Hans, to A. E. Staley Mfg. Co. Starch ethers. Re. 24,919, 1–3–61, Cl. 260—233.3.

Wolff, Hans, to A. E. Staley Mfg. Co. New plasticizer-stabilizer compositions of matter. 2,971,012, 2–7–61, Cl. 260—348.

Wolff, Heinz J.: *See*—
Byerley, Wilbur M., and Wolff. 3,007,679.

Wolff, Helmut, to W. Reiners. Yarn guiding drum for winding machines. 2,969,198, 1–24–61, Cl. 242—43.2.

Wolff, Hermann P., to International Business Machines Corp. Pulse counter. 2,979,703, 4–11–61, Cl. 340—174.

Wolff, Ivan A.: *See*—
Smith, Cecil R., Jr., Glass, and Wolff. 3,013,037.
Wolff, Louis B. Food slicing guide device. 2,968,867, 1–24–61, Cl. 30—284.
Wolff, Manfred E.: *See*—
Georgian, Vlasios, Kerwin, and Wolff. 2,983,736.
Georgian, Vlasios, Kerwin, and Wolff. 3,007,922.
Kerwin, James F., and Wolff. 2,975,174.
Kerwin, James F., and Wolff. 2,982,767.
Kerwin, James F., and Wolff. 2,989,526.
Kerwin, James F., and Wolff. 3,004,965.
Kerwin, James F., and Wolff. 3,006,915.
Wolff, Oswald: *See*—
Jacobi, Bernhard, and Wolff. 2,974,132.
Wolff, Otto E.: *See*—
Land, Edwin H., and Wolff. 2,992,103.
Wolff, Paul A., to Kerr-McGee Oil Industries, Inc. Drilling apparatus. 2,966,994, 1–3–61, Cl. 214—2.5.
Wolff, Paul A., to Kerr-McGee Oil Industries, Inc. Submergible barge. 3,011,317, 12–5–61, Cl. 61—46.5.
Wolff, Walter: *See*—
Chapman, John H., Hickman, Nelson, and Wolff. 3,010,955.
Wolff, William C. Shoe construction comprising an integral upper and insole. 2,974,427, 3–14–61, Cl. 36—11.
Wolfish, Herman H., to International Telephone and Telegraph Corp. Multiar circuit. 2,975,363, 3–14–61, Cl. 328—28.
Wolfslayer, Donald R., to Chrysler Corp. Door lock. 2,997,324, 8–22–61, Cl. 292—280.
Wolfson, Cecil: *See*—
Fox, Irving, and Palley. 2,977,231.
Wolfson, Willem J.: *See*—
Baara, Arie D., and Wolfson. 3,005,771.
Wolinski, Leon E., to E. I. du Pont de Nemours and Co. Polyethylene compositions containing titanium organic compounds and structures produced therefrom. 2,984,641, 5–16–61, Cl. 260—41.
Wolinsky, Albert, to General Precision, Inc. Analog to digital converter. 3,003,142, 10–3–61, Cl. 340—347.
Wolkoff, Jasper, to United States of America, Atomic Energy Commission. Process of recovering alkali metals. 2,996,375, 8–15–61, Cl. 75—66.
Wolkstein, Herbert J., to Radio Corp. of America. Ceramic supported electrode mounts. 2,972,079, 2–14–61, Cl. 315—3.5.
Woll, Harry J., to United States of America, Army. Apparatus for subsurface investigating. 2,999,979, 9–12–61, Cl. 324—3.
Wollaeger, Kenneth J., to Diamond National Corp. Reclosable tear-strip carton. 3,013,712, 12–19–61, Cl. 229—51.
Wollan, Ernest O., to United States of America, Atomic Energy Commission. Method and apparatus for producing power. 2,990,348, 6–27–61, Cl. 204—154.2.
Wollar, Burnell J., to General Controls Co. Electro-magnetfc counters. 2,998,187, 8–29–61, Cl. 235—92.
Wollmershauser, Charles, to General Electric Co. Dual airfoil. 2,999,631, 9–12–61, Cl. 230—116.
Wollum, Hogen C. Ice fishing rod for artificial lures. 2,972,204, 2–21–61, Cl. 43—19.2.
Wolman, Lane L., to General Precision, Inc. Analog-digital converter. 2,977,582, 3–28–61, Cl. 340—347.
Wolpin, Martin P.: *See*—
Horky, Raymond H., and Wolpin. 2,995,014.
Wolsh, Bernard. Water lock valve for gasoline storage tank. 2,996,073, 8–15–61, Cl. 137—172.
Wolshin, Louis, 50% to S. Axelrod. Hand swim fin. 2,980,925, 4–25–61, Cl. 9—308.
Wolshin, Louis, 50% to S. Axelrod. Fin shoe. 2,980,926, 4–25–61, Cl. 9—309.
Wolske, Lawrence E., to Whirlpool Corp. Rotisserie apparatus. 2,985,096, 5–23–61, Cl. 99—421.
Wolske, Lawrence E., to Whirlpool Corp. Cooking oven. 2,997,041, 8–22–61, Cl. 126—191.
Wolski, Jerome C., to Westinghouse Electric Corp. Switchboard. 2,997,629, 8–22–61, Cl. 317—120.
Wolski, John J.: *See*—
Rowland, George P., and Wolski. 2,996,490.
Wolstead, Olaf P. Building panel construction. 2,968,070, 1–17–61, Cl. 20—4.
Wolter, Gilbert R.: *See*—
Jepson, Ivar, and Wolter. 3,002,274.
Wolter, Harry A., and T. N. Bushey, to Diamond National Corp. Charcoal settling conveyor. 2,989,090, 6–20–61, Cl. 141—12.
Woltermann, Jay R.: *See*—
Braus, Harry, and Woltermann. 3,013,019.
Wolters, Carl F., and N. Y. Andersen, deceased, by B. Y. Andersen, executrix, to Sperry Rand Corp. Card file conveyor. 2,984,531, 5–16–61, Cl. 312—267.
Wolverine Shoe and Tanning Corp.: *See*—
Burch, Paul F. 2,989,105.
Wolverton, Marcine P., to United Mfg. Co. Article flow control. 2,992,825, 7–18–61, Cl. 273—49.
Womble, George E., to Avco Mfg. Corp. Loader. 2,993,608, 7–25–61, Cl. 214—140.
Womelsdorf, Lee B., to Whitfield Spinning Co. Shade cloth. 2,974,442, 3–14–61, Cl. 47—126.
Womer, Stanley, to Fiesta Foods Corp. Stripper wire mounting for dough cutting machine. 2,991,735, 7–11–61, Cl. 107—12.
Wondra, Raymond O.: *See*—
Clough, Robert C., Stoltz, and Wondra. 3,008,578.
Wong, Backman, to Koppers Co., Inc. Lubrication means for sealed couplings. 3,003,338, 10–10–61, Cl. 64—9.
Wonka, Robert P.: *See*—
Wyckoff, Paul W., and Wonka. 2,976,917.
Wonn, Quinby E.: *See*—
Wilson, Douglas G., Lee, and Wonn. 2,995,957.
Wonneman, Roman F., and D. S. Grove. Portable power driven tools. 3,002,510, 10–3–61, Cl. 123—195.
Wonsiewicz, Bronislaw R.: *See*—
Cochran, Walter M., Otto, Wonsiewicz, and Zwolanek. 2,972,541.
Wood, A. R., Mfg. Co.: *See*—
Cleary, Robert J. 2,997,177.
Wood, Carl F.: *See*—
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 2,986,220.
Bodem, Roy C., Brandes, Hirsch, McDonald, and Wood. 3,002,568.
Wood, Charles E., deceased; by G. S. Wood, administratrix, ⅓ each to H. W. Aker, J. W. Re, and G. S. Wood. Automatic solids discharge valve for classifiers. 3,006,475, 10–31–61, Cl. 210—112.
Wood, Charles H., Jr.: *See*—
Hamburger, Theodore, and Wood. 2,997,606.
Wood, Charles P., Jr., to The Vilter Mfg. Co. Refrigeration system with refrigerant operated pump. 2,986,898, 6–6–61, Cl. 62—174.
Wood, Charles R. Latch construction. 2,996,323, 8–15–61, Cl. 292—207.
Wood, Charles W., C. W. Bondurant, and D. L. Brown, to Standard-Thomson Corp. Fluid control assembly. 2,987,256, 6–6–61, Cl. 236—12.
Wood, Charles W., and C. W. Bondurant, to Standard-Thomson Corp. Valve mechanism. 2,967,022, 1–3–61, Cl. 236—99.
Wood, Cissie: *See*—
Wood, Thomas K. 2,977,220.
Wood Conversion Co.: *See*—
Bergstrom, Frederick S. 3,001,907.
Duvall, Thure C. 3,010,161.
Heritage, Clark C. 2,972,171.
Heritage, Clark C. 2,993,239.
Wood, Cyrus F., and R. A. Neal, to United States of America, Navy. Fuel pumping system for engines having afterburners. 2,989,842, 6–27–61, Cl. 60—35.6.
Wood, David A., Jr., H. H. Pease, R. M. Matthews, and R. K. Smith, to Chadbourn Gotham, Inc. Ladies' stockings. 2,994,214, 8–1–61, Cl. 66—178.
Wood, Dennis G. M.: *See*—
Crawford, John W. C., and Wood. 3,009,905.
Wood, Don E.: *See*—
Duncan, Daymond D., and Wood. 3,000,692.
Wood, Donald, to Hill Cross Co., Inc. Three-dimensional structure and elements thereof. 2,978,077, 4–4–61, Cl. 189—34.
Wood, Donald L., and A. Gatti, to General Electric Co. Method for hardening metals. 2,970,052, 1–31–61, Cl. 75—201.
Wood, Donald W.: *See*—
Hill, Arthur B., Maisel, and Wood. 3,007,977.
Wood, Donald W., and D. S. Maisel, to Esso Research and Engineering Co. Single vessel fluid coker and burner. 3,007,778, 11–7–61, Cl. 23—284.
Wood, Edson R.: *See*—
Arnold, Philip H., Desnoes, Stearn, Stewart, and Wood. 2,993,095.
Wood, Edward L., ½ to C. B. Aske, Jr. Tire trim-wheel trim construction. 2,996,336, 8–15–61, Cl. 301—37.
Wood, Everett N. Radiator device. 2,966,919, 1–3–61, Cl. 137—102.
Wood, Everett N., to Pettibone Mulliken Corp. Shake screen with phasing links and air cushions. 3,003,635, 10–10–61, Cl. 209—415.
Wood, Fenton M.: *See*—
Price, Berry G., and Wood. 2,978,637.
Price, Berry G., and Wood. 2,989,692.
Wood, Frank A.: *See*—
Osborn, Elmer W., and Wood. 2,995,719.
Wood, Frederick B.: *See*—
Hopner, Emil, Wood, and Johnson. 2,994,736.
Wood, Frederick C., to Tootal Broadhurst Lee Co. Ltd. Process for creaseproofing linen fabric by applying resin, mercerizing and re-applying resin and product produced thereby. 2,988,416, 6–13–61, Cl. 8—115.6.
Wood, Gar, Industries, Inc.: *See*—
Aske, Charles B., Jr. 2,996,334.
Aske, Charles B. Jr. 2,996,335.
Aske, Charles B., Jr. 3,000,672.
Gwinn, Joseph M., Jr. 3,006,090.
Gwinn, Joseph M., Jr., O'Brien, and Coleman. 2,975,913.
Mulhern, William A. 3,012,822.
Reed, Clair S., and Bailey. 3,013,584.
Spisak, Edward G. 3,012,823.
Wood, Geoffrey W.: *See*—
Ford-Moore, Arthur H., and Wood. 3,005,003.
Wood, George D.: *See*—
Krumsiek, Harold A., Jr., and Wood. 2,993,828.
Wood, George I., Jr., to Western Tool and Stamping Co. Means for preventing the accumulation of grass deposits on the underside of the hood of a rotary mower. 3,008,283, 11–14–61, Cl. 56—25.4.

Wood, George I., Jr., and F. C. Egley, to Western Tool and Stamping Co. Means for starting internal combustion engines. 3,005,449, 10–24–61, Cl. 123—179.

Wood, George M.: *See*—
Herzog, Gerhard, and Wood. 2,999,936.

Wood, George R., Sr. Marine coupling. 2,972,240, 2–21–61, Cl. 64—10.

Wood, George W., to Westinghouse Electric Corp. Air conditioning apparatus. 2,983,484, 5–9–61, Cl. 217—137.

Wood, Gertrude S.: *See*—
Wood, Charles E. 3,006,475.

Wood, Glenn M.: *See*—
Nutter, George H., and Wood. 2,985,952.

Wood, Herbert H., to Thomas Walker, Ltd. Separable fastening devices for wearing apparel. 2,983,979, 5–16–61, Cl. 24—222.

Wood, Herbert H., to Thomas Walker Ltd. Means for attracting prong-carrying device to flexible material. 2,998,606, 9–5–61, Cl. 1—325.

Wood, Herbert H., to Thomas Walker Ltd. Means for attaching prong-carrying devices to flexible material. 2,998,607, 9–5–61, Cl. 1—325.

Wood, Herbert H., to Thomas Walker Ltd. Means for attaching prong-carrying devices to flexible material. 2,998,608, 9–5–61, Cl. 1—325.

Wood, Herbert H., to Thomas Walker Ltd. Means for attaching prong-carrying devices to flexible material. 2,998,609, 9–5–61, Cl. 1—325.

Wood, Herbert H., to Thomas Walker Ltd. Fastening devices for wearing apparel. 2,998,627, 9–5–61, Cl. 24—227.

Wood, Homer J.: *See*—
Olchawa, Joseph M., and Wood. 3,001,620.
Paul, Carlton H., and Wood. 3,014,694.

Wood, Jack N.: *See*—
Boyce, William C., Luton, and Wood. 3,011,739.

Wood, James W., to Laboratory for Electronics, Inc. Exclusive or logical circuit. 2,995,666, 8–8–61, Cl. 307—88.5.

Wood, John F., to Electro-Voice, Inc. Image reproducing device. 2,972,707, 2–21–61, Cl. 315—362.

Wood, John F., to Electro-Voice, Inc. Phonograph pickup. 2,991,332, 7–4–61, Cl. 179—100.41.

Wood, John F., to Electro-Voice, Inc. Fluid flow measuring device. 3,003,354, 10–10–61, Cl. 73—187.

Wood, John T. Test-weighing. 3,010,528, 11–28–61, Cl. 177—50.

Wood, Joseph K., to General Spring Corp. Compact adjustable spring support. 2,995,326, 8–8–61, Cl. 248—54.

Wood, Joseph K. Spring supports for piping. 2,995,327, 8–8–61, Cl. 248—54.

Wood, Judson A.: *See*—
Smith, Charles J., Jr., Smith, and Wood. 2,983,582.

Wood, Leon G. S.: *See*—
Rodman, Isaac P., Nolle, Chernosky, and Wood. 2,987,698.

Wood, Leonard J. Beverage dispensing system. 2,979,232, 4–11–61, Cl. 222—129.1.

Wood, Louis S., to The Perfection Steel Body Co. Vehicle dump body and hoist mechanism therefor. 2,988,399, 6–31–61, Cl. 298—20.

Wood, Louis S. Hydraulic stabilizers for tilting truck or trailer dump units. 2,999,721, 9–12–61, Cl. 298—17.

Wood, Morris B. Trip free electrical cutout. 3,007,018, 10–31–61, Cl. 200—116.

Wood, Morris E., to Higbie Mfg. Co. Spinning reel. 2,971,720, 2–14–61, Cl. 242—84.21.

Wood, Morris E., to Higbie Mfg. Co. Spinning reel. 2,974,895, 3–14–61, Cl. 242—84.21.

Wood Newspaper Machinery Corp.: *See*—
Tollison, Paul L., Ricards, and Oderman. 2,985,925.

Wood, Orville T., and J. E. Underwood, Jr., to Pratt, Read & Co., Inc. Drop action. 3,012,459, 12–12–61, Cl. 84—240.

Wood, Otha D., to Lynch Corp. Wrapping machine for bars and the like. 3,014,572 12–26–61, Cl. 198—26.

Wood, Phil, Industries, Ltd.: *See*—
Walker, Ronald E. 2,981,427.
Walker, Ronald E. 2,991,894.

Wood, Philip: *See*—
Bird, Raymond, and Wood. 3,000,563.

Wood, Prentice J.: *See*—
Forrer, Homer W., and Wood. 2,967,003.

Wood Processes (Oregon) Ltd.: *See*—
Chapman, Ralph. 3,011,938.

Wood Products Development Co., Inc.: *See*—
Tibbals, Charles E. 2,983,295.
Tibbals, Charles E. 2,983,361.

Wood, Richard A., ½ to G. I. Magnuson, and ½ to G. I. and R. Magnuson, and L. J. Fox, as trustees. Transistor control circuit. 3,005,935, 10–24–61, Cl. 317—148.5.

Wood, Robert. Fifth wheel. 3,000,653, 9–19–61, Cl. 280—433.

Wood, Robert S.: *See*—
Booth, Douglas G., and Wood. 2,986,096.

Wood Specialty Products, Inc.: *See*—
Morseth, Richard H., and Paulsrude. 2,994,371.
Paulsrude, Philip M. 2,978,020.

Wood, Straud K., and W. J. Friesen; said Friesen assor. to said Wood. Timing meter. 2,975,585, 3–21–61, Cl. 58—142.

Wood, Stuart G. Bath tub cleaning brush. 3,000,029, 9–19–61, Cl. 15—172.

Wood, Thomas F.: *See*—
Carpenter, Marion S., Easter, and Wood. 2,997,503.

Wood, Thomas F., to The Givaudan Corp. Alkoxyalkyl esters of p-methoxycinnamic acid. 3,002,992, 10–3–61, Cl. 260—473.

Wood, Thomas J.: *See*—
Wilson, Rosser L., Herlihy, and Wood. 2,979,793.

Wood, Thomas K., deceased, by C. Wood, executrix, to United States of America, Atomic Energy Commission. Process of producing uranium. 2,977,220, 3–28–61, Cl. 75—84.1.

Wood, William L., to Allis-Chalmers Mfg. Co. Cotton picking machine. 2,986,862, 6–6–61, Cl. 56—44.

Wood, William P., to General Motors Corp. Motor vehicle with cab ahead of engine. 3,011,581, 12–5–61, Cl. 180—89.

Wood, William T.: *See*—
Kammer, Donald E., and Wood. 3,012,172.

Woodall-Duckham Construction Co. Ltd.: *See*—
Randell, Geoffrey E. C., and Whitworth. 2,981,423.
Randell, Geoffrey E. C., Whitworth, and Holme. 2,986,758.

Woodall, Harry L., Jr., to Texaco Inc. Spent catalyst seal for a catalytic reactor. 2,969,318, 1–24–61, Cl. 208—138.

Woodall, William R., to The Firestone Tire & Rubber Co. Tire construction. 2,971,553 2–14–61, Cl. 152—362.

Woodall, William R., to The Firestone Tire & Rubber Co. Tire construction. 2,979,100, 4–11–61, Cl. 152—354.

Woodard, Dudley H.: *See*—
Allen, Lloyd R., and Woodard. 3,007,867.

Woodberry, Norman T.: *See*—
Williams, Emil F., and Woodberry. 3,002,994.
Williams, Emil F., and Woodberry. 3,002,995.

Woodbridge, Joseph E.: *See*—
Hariu, Oscar H., and Woodbridge. 2,989,572.

Woodbury, William W.: *See*—
Vogel, Norman A., and Woodbury. 2,982,381.

Woodcock, Charles A.: *See*—
Hadley, David J., and Woodcock. 3,009,943.

Woodcock, Charles A., to Stewart-Warner Corp. Plunger switch. 2,972,033, 2–14–61, Cl. 200—159.

Woodcock, Richard F., to American Optical Co. Cathode ray tubes. 2,996,634, 8–15–61, Cl. 313—92.

Wood-Collins, Charles A., to D. Napier & Son Ltd. Two-stroke internal combustion engines. 2,985,158, 5–23–61, Cl. 123—65.

Woodford, Joseph C. Vacuum breaker. 2,997,054, 8–22–61, Cl. 137—218.

Woodford Mfg. Co.: *See*—
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Woodhall, Edwin S., to The Goodyear Tire & Rubber Co. Apparatus for automatically post-cure inflating nylon tires. 3,008,180, 11–14–61, Cl. 18—2.

Woodhall, Philip, and K. Hale, to The General Electric Co. Ltd. Thermally operated bi-metallic electric devices. 2,999,142, 9–5–61, Cl. 200—138.

Woodhead, James, to International Computers and Tabulators Ltd. Motion converting apparatus. 3,006,200, 10–31–61, Cl. 74—30.

Woodhouse, Fred N.: *See*—
Ferry, Richard P., and Woodhouse. 3,013,480.

Woodier, James G., to Victor Adding Machine Co. Intermittently energized business machine. 2,995,227, 8–8–61, Cl. 192—12.

Wooding, William M., to American Cyanamid Co. Non-fibrous regenerated cellulose film carrying modified urea-formaldehyde resin as anchor agent. 2,987,418, 6–6–61, Cl. 117—72.

Woodis, George E., to Northwest Automatic Products Corp. Cream dispenser. 3,002,659, 10–3–61, Cl. 222—149.

Woodling, George V. Swivel porthole tube fitting having a coinable fluid seat. 2,971,779, 2–14–61, Cl. 285—215.

Woodling, George V. Moisture-responsive control and method for operating combination washer-dryer. 2,991,641, 7–11–61, Cl. 68—20.

Woodling, George V. Moisture control for electric blankets. 2,998,502, 8–29–61, Cl. 219—20.

Woodling, George V. Electrical heating devices. 3,007,026, 10–31–61, Cl. 219—25.

Woodlyn Corp.: *See*—
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Woodman, Charles K., to United Shoe Machinery Corp. Ammunition feed mechanism. 2,993,414, 7–25–61, Cl. 89—33.

Wood Ridge Chemical Corp.: *See*—
Six, George J., Leddy, and Cadmus. 2,967,800.

Woodring, Robert W., and B. A. Shader, to International Harvester Co. Haulm removing attachment for hay crusher. 3,014,325, 12–26–61, Cl. 56—1.

Woodring, William B., and H. T. McAdams, to Olin Mathieson Chemical Corp. Priming composition. 2,970,900, 2–7–61, Cl. 52—4.

Woodruff, Frank, to The Bendix Corp. Coupling. 2,989,160, 6–20–61, Cl. 192—12.

Woodruff, Henry S. Finned tube and method of making the same. 3,007,237, 11–7–61, Cl. 29—157.3.

Woodruff, Homer O., to Texaco Inc. Recovery of oil from oil shale. 2,970,826, 2–7–61, Cl. 262—3.

Woodruff, Joseph B., to Hayes Engineers (Leeds) Ltd. Servo-control mechanism operating means. 2,969,774, 1–31–61, Cl. 121—41.

Woodruff, Maurice D.: *See*—
Ginaven, Marvin E., and Woodruff. 2,974,684.
Vaughan, Frank C., and Woodruff. 3,001,731.

Woodruff, Maurice D., and C. V. Appel, to The Bauer Bros. Co. Method of lining metal articles. 2,971,225, 2–14–61, Cl. 18—59.

Woods, Elvin L., to Thompson Ramo Wooldridge Inc. Power amplifiers employing saturable reactors. 3,014,137, 12–19–61, Cl. 307—88.
Woods, Frank, to Polymer Corp. Ltd. Vulcanization of rubbers. 3,012,014, 12–5–61, Cl. 260—79.
Woods, George E., to Atlas Chemical Industries, Inc. Production of esterification product. 3,012,047, 12–5–61, Cl. 260—410.8.
Woods, John A., to Libbey-Owens-Ford Glass Co. Apparatus for producing multiple sheet glazing units. 2,968,127, 1–17–61, Cl. 49—58.
Woods, John E., to Standard-Thomson Corp. Actuating device. 2,994,223, 8–1–61, Cl. 73—368.
Woods, John P., and T. Prickett, Jr., to The Atlantic Refining Co. Seismic exploration method and apparatus. 2,982,-371, 5–2–61, Cl. 181—.5.
Woods, Marvin W., and A. F. Graf von Soden, 25% to R. A. Turner. Pipe cutting apparatus and the like. 3,001,283, 9–26–61, Cl. 30—97.
Woods, Stanley, and C. E. G. Turner, to BTR Industries Ltd. (formerly British Tyre & Rubber Co. Ltd.) Spool-carrier. 2,988,300, 6–13–61, Cl. 242—156.2.
Woods, Warren W.: *See*—
Bergen, Charles R., Scott, Tillman, and Woods. 2,977,300.
Bergen, Charles R., Scott, Tillman, and Woods. 2,977,301.
Dickey, Frank H., Napier, and Woods. 2,975,201.
Woods, William G.: *See*—
Brotherton, Robert J., and Woods. 3,009,941.
Woods, William K. H., and G. R. Morris. Apparatus for magnetic testing with specimen sorting. 2,989,179, 6–20–61, Cl. 209—72.
Wood's, T. B., Sons Co.: *See*—
Williams, William A. 2,992,844.
Woodson, Billy J. Apparatus and method for termite elimination. 2,981,025, 4–25–61, Cl. 43—124.
Woodson, Thomas T.: *See*—
Hardy, Albert L., and Woodson. 2,970,777.
Woodsum, Sidney P.: *See*—
Fuller, Harrison W., Rubinstein, and Woodsum. 2,984,-825.
Kelner, Robert C., Woodsum, and Hale. 2,984,538.
Wooduse, Inc.: *See*—
Boomer, Daryl R., Clapperton, and Phillips. 2,985,643.
Woodward, David W., to E. I. du Pont de Nemours and Co. Process for preparing linear polyesters involving interchange between a glycol and dialkyl-ester of a dicarboxylic acid in the presence of a tertiary amine. 2,970,986, 2–7–61, Cl. 260—75.
Woodward, Frank H. Pallets. 2,982,507, 5–2–61, Cl. 248—120.
Woodward, Fred E.: *See*—
Brost, Gene A., Krupin, and Woodward. 2,989,434.
Woodward, Gary F., to King-Seeley Corp. Condition-responsive system. 2,970,201, 1–31–61, Cl. 219—20.
Woodward Governor Co.: *See*—
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Drake, George F. 3,007,054.
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Oldenburger, Rufus, and Drake. 2,992,650.
Woodward, James R.: *See*—
Price, Edmund T., Woodward, and Messer. 3,001,274.
Woodward, John B., to Anderson & Thompson Ski Co. Inc. Safety ski toe binding. 2,991,086, 7–4–61, Cl. 280—11.35.
Woodward, Morton P., Jr., to General Electric Co. Gas turbine starter control system. 3,004,387, 10–17–61, Cl. 60—39.14.
Woodward, Robert M., to Owens-Corning Fiberglas Corp. Process for fabricating a centrifuge for handling molten glass. 3,010,201, 11–28–61, Cl. 29—529.
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Sutton, Robert W., Woodward, and Hartman. 2,980,090.
Woodward, Stephen G., to The Bendix Corp. Fuel supply system. 2,981,246, 4–25–61, Cl. 123—119.
Woodward, Stewart A., to General Electric Co. Rocker-operated switch. 2,975,245, 3–14–61, Cl. 200—5.
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Woodworth, Lee R., to United States of America, Air Force. Method of gas stabilizing a supersonic inlet. 3,001,364, 9–26–61, Cl. 60—35.6.
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Woody, George D. Mirror bracket. 2,971,732, 2–14–61, Cl. 248—28.
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Woody, Robert F., and L. D. Schmid, to The Garrett Corp. Transfer valve. 3,012,575, 12–12–61, Cl. 137—622.
Woodyard, Orville C., to United States of America, Army. Microwave antenna system. 2,994,869, 8–1–61, Cl. 343—16.
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Woofter, Robert C., and R. Helle, to General Motors Corp. Lamp socket and terminal means for printer circuits. 3,001,165, 9–19–61, Cl. 339—17.
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Wooldridge, James A., and E. F. Winter, to Shell Oil Co. Liquid pipeline sections. 3,012,569, 12–12–61, Cl. 137—172.
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Woolslayer, Homer J., and C. Jenkins, to Lee C. Moore Corp. Pivoted oil well mast and method of erecting it. 2,988,-179, 6–13–61, Cl. 189—11.
Woolslayer, Homer J., C. D. Iddings, and P. E. Borg, to Lee C. Moore Corp. Portable oil well derrick splice connection. 2,991,853, 7–11–61, Cl. 189—15.
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Worth, Sidney V., and R. C. Rebling, to Electro Controls, Inc. Electric switch. 2,990,460, 6–27–61, Cl. 200—33.

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Wotring, Gaylord H., to General Electric Co. Timer. 3,012,112, 12–5–61, Cl. 200—38.

Wotring, John A., to Thompson Ramo-Wooldridge, Inc. Fuel and afterburner pump system. 3,011,308, 12–5–61, Cl. 60—35.6.

Wotton, Charles S. R. Electrically heated soldering irons. 2,998,503, 8–29–61, Cl. 219—26.

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Wright, Esmond P. G., and J. Rice, to International Standard Electric Corp. Electrical information storage arrangements. 3,001,021, 9–19–61, Cl. 179—7.1.
Wright, Foster E., and C. G. Stucke, to Garlock Inc. Dual-lip shaft seal. 2,992,027, 7–11–61, Cl. 288—3.
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Wright, George W., to Tokheim Corp. Liquid fuel supply apparatus. 2,975,713, 3–21–61, Cl. 103—87.
Wright, George W., to Tokheim Corp. Motor-pump apparatus. 2,996,994, 8–22–61, Cl. 103—87.
Wright, George W., and J. D. Clymer, to Tokheim Corp. Impeller pump and motor-pump unit. 2,969,741, 1–31–61, Cl. 103—87.
Wright, George W., B. W. Foss, and P. T. Kachuk, to Tokheim Corp. Fluid meter. 2,975,765, 3–21–61, Cl. 121—69.
Wright, George W., and W. H. Outcalt, to Tokheim Corp. Can display, storage and disposal unit. 2,994,573, 8–1–61, Cl. 312—329.
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Wright, George W., and C. W. Kruckeberg, to Tokheim Corp. Automatic shutoff nozzle. 3,012,592, 12–12–61, Cl. 141—208.
Wright, Harry G., to Radio Corp. of America. Supporting mechanism for tape reels. 2,983,460, 5–9–61, Cl. 242—68.3.
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Wright, James R., and E. W. Mertens, to California Research Corp. Preparation of asphalt emulsions. 2,993,002, 7–18–61, Cl. 252—311.5.
Wright, John B., to The Upjohn Co. 1,1-bis-(*p*-aminophenyl)-2-alkanols and esters thereof. 2,993,927, 7–25–61, Cl. 260—477.
Wright, John B., and E. H. Lincoln, to The Upjohn Co. Beta-(cyclic amino)-alpha-hydroxyalkanals. 2,971,956, 2–14–61, Cl. 260—294.7.
Wright, John G., to The Auto-Soler Co. Apparatus for trimming heel top lifts. 3,006,005, 10–31–61, Cl. 12—85.
Wright, John G., and J. M. Chafin, to The Auto-Soler Co. Fastener forming knife assembly. 2,996,719, 8–22–61, Cl. 1—29.
Wright, John G., J. M. Chafin, and G. M. Wynn, to The Auto-Soler Co. Wire cutting knife assembly with spring biased pivoted arm return means. 3,011,376, 12–5–61, Cl. 83—199.
Wright, John H., L. L. Petterson, and H. Steinberg, to United States Borax & Chemical Corp. Modified organic fluids of the glycol type and methods of producing the same. 2,979,524, 4–11–61, Cl. 260—462.
Wright, John H., L. L. Petterson, and H. Steinberg, to United States Borax & Chemical Corp. Modified organic fluids of the glycol type and methods of producing the same. 2,982,-733, 5–2–61, Cl. 252—75.
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Wright, John W., W. F. Jackson, and M. M. Graham, to Robertshaw-Fulton Controls Co. Thermostatic control valve. 2,991,012, 7–4–61, Cl. 236—48.
Wright, John W., W. F. Jackson, and M. M. Graham, to Robertshaw-Fulton Controls Co. Safety control for gaseous fuel burners. 3,002,519, 10–3–61, Cl. 137—66.
Wright, John W. T.: *See*—
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Wright, Julius H.: *See*—
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Skramstad, Harold K., Wright, and Taback. 3,012,729.
Wright, Kenneth, to Leon Hart Motors, Inc. Device for driving engine cooler. 2,971,501, 2–14–61, Cl. 123—41.01.
Wright, Kenneth A., and J. R. Solum, to B and W Inc. Stop collar. 2,998,848, 9–5–61, Cl. 166—241.
Wright, Kenneth A., and J. R. Solum, to B and W Inc. Centralizer. 3,000,444, 9–19–61, Cl. 166—241.
Wright, Kenneth A., and J. R. Solum, to B and W, Inc. Packer device for wells. 3,004,606, 10–17–61, Cl. 166—182.
Wright, Kenneth A., J. R. and K. W. Solum, to B and W, Inc. Slip actuating mechanism. 3,012,612, 12–12–61, Cl. 166—208.
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Horner, John F., and Wright. 2,980,515.
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Wright, Maurice M., to The Consolidated Mining and Smelting Co. of Canada Ltd. Process for the production of metals. 2,986,462, 5–30–61, Cl. 75—84.5.
Wright Products, Inc.: *See*—
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Wright, Robert L., Jr., to Westinghouse Electric Corp. Differential temperature recorder. 2,985,016, 5–23–61, Cl. 73—341.
Wright, Robert L., Jr., to Westinghouse Electric Corp. Vibration detector device. 2,985,823, 5–23–61, Cl. 324—34.
Wright, Robert L., Jr., and M. P. Vore, to Westinghouse Electric Corp. Turbine zero speed indicator and control circuit. 2,993,147, 7–18–61, Cl. 317—21.
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Ainsworth, William F., Wright, and Press. 2,990,394.
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Wright, Stanley E., to Eastman Kodak Co. Multiple coating apparatus. 2,975,754, 3–21–61, Cl. 118—407.
Wright, Theodore M. Clutches. 2,969,861, 1–31–61, Cl. 192—26.

Wright, Wilbur. Quick change, cartridge type, sizing screen, for asphalt plant. 2,985,303, 5–23–61, Cl. 209—405.
Wright, William B., Jr., to American Cyanamid Co. N-(N-substituted-aminoalkyl)-alkanoyl anilides. 3,005,850, 10–24–61, Cl. 260—562.
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Wrubleski, Felix P., to The Gleason Works. De-burring device for gear cutting machine. 3,007,373, 11–7–61, Cl. 90—1.4.
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Wucher, Roland. Apparatus for injection moulding of plastic materials. 3,007,202, 11–7–61, Cl. 18—30.
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Wulff, Cal W., and A. H. Carlson, to Holland Co. Apparatus and method for modifying fabricated bolsters to provide ride stabilization. 2,976,822, 3–28–61, Cl. 105—197.
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Wulff, Carl, M. Dohr, and H.-J. Krause, to Henkel & Cie. G.m.b.H. Surface active polyesters. 2,997,462, 8–22–61, Cl. 260—75.
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Wuppermann, August T., to Exatest Gesellschaft fur Messtechnik mit beschrankter Haftung. Method of and apparatus for measuring the thickness of materials. 2,977,478, 3–28–61, Cl. 250—83.6.
Wupperman, Theodor, G.m.b.H.: *See*—
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Würmli, Arthur, to Aktiengesellschaft Joh. Jacob Rieter & Cie. Cascade cleaner for fibrous material. 3,006,034, 10–31–61, Cl. 19—93.
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Wust, Karl, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the recovery of ω-aminonitriles. 3,004,059, 10–10–61, Cl. 260—465.5.
Wusteney, Herbert, and R. Rekewitz, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Teleprinter machine comprising a device for variably setting the ribbon stroke. 2,999,899, 9–12–61, Cl. 178—23.
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Wyatt, Marion O. Auxiliary bed frame for converting a bed to a couch. 2,976,547, 3–28–61, Cl. 5—327.

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Wyckoff, Paul W., and R. P. Wonka, to Chrysler Corp. Hot air furnace. 2,976,917, 3–28–61, Cl. 158—7.

Wyckoff, Ralph D., to Gulf Research & Development Co. Apparatus for correcting bombsights. 3,014,280, 12–26–61, Cl. 33—46.5.

Wycliffe, Henryk, and B. D. Power, to Edwards High Vacuum Ltd. Vapour jet vacuum pumps. 2,997,228, 8–22–61, Cl. 230—101.

Wyczalek, Floyd A., to General Motors Corp. Engine cooling system. 2,969,780, 1–31–61, Cl. 123—41.57.

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Wyman, John E., to Union Carbide Corp. Process for preparing divanadium dodecacarbonyl. 2,998,301, 8–29–61, Cl. 23—203.

Wyman, Robert A., to Joy Mfg. Co. Air-line oiler. 2,969,853, 1–31–61, Cl. 184—55.

Wyman, Walter L., and W. I. Steinkamp, to United States of America, Atomic Energy Commission. Fusion welding method and apparatus. 2,968,715, 1–17–61, Cl. 219—117.

Wyman, Walter L., to United States of America, Atomic Energy Commission. Fuel element support. 2,990,359, 6–27–61, Cl. 204—193.2.

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Clarke, Houghton W., and Wymbs. 2,990,287.

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Wynn, Robert W., to General Aniline & Film Corp. Process of preparing 2,2,3,3-tetrachloro-1,4-butanediol. 2,981,754, 4–25–61, Cl. 260—633.

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Wynne, Hubert C., and D. J. Yates, to Pilkington Bros. Ltd. Method of and apparatus for manufacturing face plates of cathode ray tubes. 2,984,942, 5–23–61, Cl. 49—58.

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Yager, Harry L. Portable mixer. 2,981,524, 4–25–61, Cl. 259—177.

Yagi, Sakae, and Y. Uraguchi. Method and apparatus for the purification of heavy-water. 2,999,795, 9–12–61, Cl. 202—45.

Yahn, Robert B., and A. R. Dorman, Jr. Mould feeding retracting and opening apparatus. 2,993,231, 7-25-61, Cl. 18—16

Yakem, Charles. Star light. 3,014,124, 12-19-61, Cl. 240—10.

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Yalen, Abraham. Spring metal U-shaped anchor. 2,972,495, 2-21-61, Cl. 287—54.

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Yamada, Koichi. Method for increasing the production of starch-hydrolyzing enzymes. 2,976,219, 3-21-61, Cl. 195—62.

Yamada, Koichi. Method for the production of 1-glutamic acid. 2,978,383, 4-4-61, Cl. 195—47.

Yamada, Koichi. Method for the production of 1-glutamic acid. 2,978,384, 4-4-61, Cl. 195—47.

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Yamada, Tadashi, and M. Uno, to Yasuhito Yamaoka. Swirl combustion chamber for diesel engines. 2,979,044, 4-11-61, Cl. 123—32.

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Yanagisawa, Samuel T., to Allis-Chalmers Mfg. Co. Vacuum switch structure using sylphon and slotted diaphragm. 2,993,970, 7-25-61, Cl. 200—144.

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Yanda, John D. Electrically controlled automatic hand brake release. 2,968,378, 1-17-61, Cl. 192—4.

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Yasuda, Susumu, to Nippon Electric Co. Ltd. Electron beam tube focusing device. 2,991,382, 7-4-61, Cl. 313—84.

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Yates, George. Mounting and sealing means for a press diaphragm. 2,969,031, 1–24–61, Cl. 113—44.

Yates, Paul R., 25% to C. M. Harris, 25% to R. C. Manees, 25% to J. D. Storm, and 25% to G. D. Gibson. Bailer and sand pump. 2,992,682, 7–18–61, Cl. 166—105.

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Yates, Vivian D. Pillow holder. 2,986,202, 5–30–61, Cl. 155—188.

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Yeagley, Henry L., to United States of America, Navy. Signal whistle. 2,971,491, 2–14–61, Cl. 116—137.

Yeakley, Glen E., to Westinghouse Electric Corp. Elevator systems having audible car-direction signals. 2,980,886, 4–18–61, Cl. 340—19.

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Yellott, John I., and P. R. Broadley, to Bituminous Coal Research, Inc. Vortical whirl separator. 2,981,369, 4–25–61, Cl. 183—85.

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Yeo, Alan A., and R. Turner, to The British Petroleum Co. Ltd. Catalysts and catalytic hydrocarbon conversion processes. 2,982,720, 5–2–61, Cl. 208—124.

Yeo, Edward J., to United States of America, Navy. Ciphering machine. 3,000,486, 9–19–61, Cl. 197—4.

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Yonezaki, Shigeru, and M. Obu, to Yawata Iron and Steel Co., Ltd. Surface treatment for metal coated objects. 2,993,804. 7–25–61, Cl. 117—46.

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Yonkers, Robert A., and H. T. Lathrop, to Bissell Inc. Method of applying detergent to rugs and the like. 2,976,112, 3–21–61, Cl. 8—150.

Yonkers, Robert A., and H. T. Lathrop, to Bissell Inc. Apparatus for applying detergent to rugs and the like. 2,976,559, 3–28–61, Cl. 15—532.

Yopp, Robert S., to Amphenol-Borg Electronics Corp. Multiple-contact electrical connector. 3,002,176, 9–26–61, Cl. 339—176.

Yordi, Arthur H. Boat mooring device. 2,979,014, 4–11–61, Cl. 114—230.

Yordi, Arthur H. Boat mooring device. 2,996,033, 8–15–61, Cl. 114—230.

Yorgiadis, Alexander, and A. U. Kutsay. Fatigue testing machine with torsional elastic spring. 2,986,031, 5–30–61, Cl. 73—92.

Yorgiadis, Alexander J., to Alexander J. Yorgiadis and A. U. Kutsay. Adjustable-while-running oscillator. 2,974,536, 3–14–61, Cl. 74—61.

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Yoshida, Tadao. Spiral slide-fastener elements. 2,974,372, 3–14–61, Cl. 18—56.

Yoshida, Tadashi. Process for ferrochrome electroplating. 2,988,492, 6–13–61, Cl. 204—43.

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Yost, Paul E., to Raven Industries, Inc. Balloon system. Re. 24,966, 4–18–61, Cl. 244—24.

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Yost, Paul E., to General Mills, Inc. Balloon load lowering mechanism. 3,006,584, 10–31–61, Cl. 244—127.

Yost, Paul S., by decree of distribution to D. D. Yost. Fish hook bait securing means. 2,982,049, 5–2–61, Cl. 43—44.4.

Youhouse, Joseph, and J. H. Cone, to Casco Products Corp. Automatically operated radio antenna. 2,989,259, 6–20–61, Cl. 242—54.

Youle, Philip V., J. S. M. Robertson, and J. C. Robinson, to Imperial Chemical Industries Ltd. Optical brightening. 2,992,206, 7–11–61, Cl. 260—63.

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Young, Charles E., Jr., to Phillips Petroleum Co. Offshore crude oil lease tank battery. 3,008,599, 11–14–61, Cl. 220—1.

Young, Charles F., to F. Adam. Jail locking devices. 3,009,345, 11–21–61, Cl. 189—7.

Young, Charles H., to Master Power Corp. Torque control for impact tool. 2,980,218, 4–18–61, Cl. 192—30.5.

Young, Charles H., and P. A. Munday, to Union Carbide Corp. Separation of alkylated phenols by solvent extraction. 2,969,401, 1–24–61, Cl. 260—624.

Young, Clarence R., and R. D. Easton, to T. W. & C. B. Sheridan Co. Saddle stitched book making machine. 2,999,242, 9–12–61, Cl. 1—105.

Young, Claude A. Device for opening cans. 3,006,303, 10–31–61, Cl. 113—1.

Young, Clyde A. Glare shield and sun reflector. 2,991,119, 7–4–61, Cl. 296—97.

Young, Conrad T. Threshold structure. 3,004,308, 10–17–61, Cl. 20—64.

Young, David: *See*—
Young, Efram, Jacobs, and Young. 3,010,456.

Young, David C.: *See*—
Britton, Edgar C., Wheeler, and Young. 2,969,370.
Wheeler, Donald D., and Young. 2,967,184.
Wheeler, Donald D., and Young. 2,989,541.
Wheeler, Donald D., and Young. 2,997,481.

Young, David H. Piston and cylinder apparatus. 2,984,225, 5–16–61, Cl. 121—164.

Young, David H. Fluid-pressure actuated control apparatus. 2,987,047, 6–6–61, Cl. 121—38.

Young, David H., and L. A. Clay-Smith, to The Walter Kidde Co. Ltd. Valves for reducing gaseous pressure. 2,981,275, 4–25–61, Cl. 137—116.5.

Young, David W., to Sinclair Refining Co. Synthetic lubricating oil compositions. 2,998,387, 8–29–61, Cl. 252—46.4.

Young, David W., to Sinclair Refining Co. Isooctenyl 2,4-dichlorophenoxyacetate. 3,005,016, 10–17–61, Cl. 260—473.

Young, David W., and D. L. Cottle, to Esso Research and Engineering Co. Blocked phenol reaction products. 3,013,086, 12–12–61, Cl. 260—613.

Young, David W., Jr.: *See*—
Brown, Donald L., and Young. 2,988,741.
Feijoo, James A., and Young. 2,971,086.

Young, Donald H., to Waterman Pen Co., Inc. Fountain pen nib mounting. 2,987,044, 6–6–61, Cl. 120—51.

Young, Donald M.: *See*—
Quinn, Frank P., and Young. 2,974,610.

Young, Donald M., to Union Carbide Corp. N-epoxyalkylimides. 2,972,619, 2–21–61, Cl. 260—326.5.

Young, Donald M., and C. F. Horn, to Union Carbide Corp. (Sulfonyldialkylene) dibenzoates. 2,969,385, 1–24–61, Cl. 260—470.

Young, Donald M., and F. Hostettler, to Union Carbide Corp. Foamed polymer of isocyanate modified lactone polyesters and method of preparing same. 2,990,379, 6–27–61, Cl. 260—2.5.

Young, Donald M., and C. F. Horn, to Union Carbide Corp. Sulfone polyesters. 2,999,848, 9–12–61, Cl. 260—75.

Young, Donald M., and C. F. Horn, to Union Carbide Corp. Sulfone polyesters. 2,999,849, 9–12–61, Cl. 260—75.

Young, Donald M., and C. F. Horn, to Union Carbide Corp. Sulfone polyesters. 2,999,850, 9–12–61, Cl. 260—75.

Young, Donald P., to Hercules Powder Co. Manufacture of oxygen-containing organic compounds. 2,989,566, 6–20–61, Cl. 260—610.

Young, Donald R.: *See*—
Drougard, Maurice E., Hulbregtse, and Young. 2,989,733.

Young, Donald R., to United States of America, Navy. Pulse width discriminator. 2,975,366, 3–14–61, Cl. 328—112.

Young, Donald R., to International Business Machines Corp. Time sequence addressing system. 2,989,732, 6–20–61, Cl. 340—172.5.

Young, Donald R., to International Business Machines Corp. Circuit element for use in logical and memory circuits. 3,007,139, 10–31–61, Cl. 340—173.2.

Young, Donald R., to International Business Machines Corp. Superconductor circuitry. 3,015,041, 12–26–61, Cl. 307—88.5.

Young, Efram, B. Jacobs, and D. Young, to Holly Bra of California. Brassiere. 3,010,456, 11–28–61, Cl. 128—489.

Young, Einar T.: *See*—
Barton, Paul D., and Young. 3,001,543.

Young, Einar T., to Sun Oil Co. Bore-hole clinometer. 2,972,193, 2–21–61, Cl. 33—205.

Young, Einar T., to Sun Oil Co. Metering means. 2,977,970, 4–4–61, Cl. 137—100.

Young, Einar T., to Sun Oil Co. Exhibiting and resetting means for fuel dispensing pumps. 2,986,332, 5–30–61, Cl. 235—144.

Young, Einar T., to Sun Oil Co. Preselecting mechanism for fluid dispensing apparatus. 3,006,504, 10–31–61, Cl. 222—15.

Young, Eugene A., to Dixco. Children's play horse. 3,003,761, 10–10–61, Cl. 272—1.

Young, Felix H.: *See*—
Brown, Calvin F., Young, and Walthall. 2,975,711.

Young, Frank W. Rotary filter. 3,000,507, 9–19–61, Cl. 210—402.

Young, Fred M., to Young Radiator Co. Baffle for opposed engine cooling radiator cores. 2,984,456, 5–16–61, Cl. 257—154.

Young, Frederick A., to Young Mfg. Co. Drapery rod assembly. 2,966,696, 1–3–61, Cl. 16—94.

Young, Frederick A. Traverse rod assembly. 3,000,045, 9–19–61, Cl. 16—87.8.

Young, Frink M., to Epsco, Inc. D.C. amplifier with fixed output polarity. 2,997,660, 8–22–61, Cl. 330—151.

Young, Gale J.: *See*—
Wigner, Eugene P., Ohlinger, and Young. 2,975,115.
Wigner, Eugene P., Young, and Weinberg. 2,990,357.

Young, George V., to Video Instruments Co., Inc. Heat bank for transistorized circuits. 3,013,104, 12–12–61, Cl. 174—52.

Young, Guy B., to American Cyanamid Co. Method for waterproofing soluble salts and compositions containing such salts. 3,014,783, 12–26–61, Cl. 23—103.

Young, Harland H., and E. J. Majka, to Swift & Co. Incorporating oil in hardboard. 2,978,382, 4–4–61, Cl. 162—179.

Young, Harland H., and S. B. Luce, to Swift & Co. Preparing modified polyamide resins. 2,992,195, 7–11–61, Cl. 260—18.

Young, Harold C., and W. W. Toy, to Rohm & Haas Co. Adhesive composition, methods of employing it, and laminated structures. 2,976,203, 3–21–61, Cl. 154—140.

Young, Harold C., and W. W. Toy, to Rohm & Haas Co. Adhesive compositions, methods of employing them, and laminated structures made therefrom. 2,976,204, 3–21–61, Cl. 154—140.

Young, Homer W.: *See*—
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Young, Howard A., and E. E. Wagner, to Socony Mobil Oil Co., Inc. Apparatus for automatically operating a mass spectrometer. 2,977,471, 3-28-61, Cl. 250—41.9.

Young, Howard S., C. W. Hargis, and W. Reynolds, to Eastman Kodak Co. Ethylene polymerization using a mixture of metals and a halogen as catalyst. 3,004,020, 10-10-61, Cl. 260—94.9.

Young, Ira B., Jr., to Stainless Metal Products, Inc. Revolvable article support. 2,980,261, 4-18-61, Cl. 211—131.

Young, Ira B., Jr., to Stainless Metal Products, Inc. Milk case. 2,980,282, 4-18-61, Cl. 220—19.

Young, Irvin L. Rotary drum grain dryer. 2,971,265, 2-14-61, Cl. 34—137.

Young, James E.: *See*—
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Young, James H., to H. H. Robertson Co. Air conditioning and distributing system. 2,971,747, 2-14-61, Cl. 257—295.

Young, John F.: *See*—
Sheridan, William R., Young, and Kurtis. 2,991,200.

Young, John W., Fruit picker. 2,973,112, 2-28-61, Cl. 214-83.1.

Young, Julius, and B. W. Colman. Flush panel construction. 2,968,196, 1-17-61, Cl. 74—504.

Young, Kenneth W., and J. H. Flatt, to General Motors Corp. Vacuum motor. 2,986,125, 5-30-61, Cl. 121—41.

Young, L. A., Spring and Wire Corp.: *See*—
Haughawout, Leo C. 2,967,300.
Lenart, Anthony, and Tedesco. 3,010,489.

Young, Leo: *See*—
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Young, Leo, and F. J. Rutter, to United States of America, Air Force. Variable impedance coaxial line. 2,991,435, 7-4-61, Cl. 333—97.

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Young, Llewellyn, P. M. Taylor, and D. A. Brockman, to Bailey Meter Co. Instrument assembly having diaphragm relay with interior zero setting beam. 2,968,182, 1-17-61, Cl. 73—408.

Young, Louis C.: *See*—
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Young, Loyd. Resilient support for chain saws. 2,980,374, 4-18-61, Cl. 248—18.

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Young, Frederick A. 2,966,696.

Young, Marvin P.: *See*—
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Young, Niels O. Free-piston compressed gas generators. 2,991,772, 7-11-61, Cl. 123—46.

Young, Norman W.: *See*—
Hamilton, Carl C., and Young. 3,003,482.

Young, Norman W., to The Babcock & Wilcox Co. Vapor generator. 2,979,041, 4-11-61, Cl. 122—510.

Young, Paul. Meat carving support. 3,011,536, 12-5-61, Cl. 146—216.

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Young Radiator Co.: *See*—
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Brinen, Paul F. 2,970,678.
Christensen, Donald W. 2,988,404.
Young, Fred M. 2,984,456.

Young, Raymond A., to James R. Kearney Corp. Connecting means for insulator strings. 2,999,125, 9-5-61, Cl. 174—141.

Young, Raymond L. and W. P., ⅓ to I. Becker. Toe kick clearance hammer for carpet layers. 2,968,810, 1-24-61, Cl. 1—47.

Young, Richard E., to Hercules Powder Co. Device and method for determining the end pattern of filament wound pressure vessels. 3,005,256, 10-24-61, Cl. 29—407.

Young, Richard S. Jet propelled play boat. 2,983,244, 5-9-61, Cl. 115—11.

Young, Richard W., to American Cyanamid Co. Preparation of alkylcarbamoylmethyl dimethylphosphorodithioates. 2,996,531, 8-15-61, Cl. 260—461.

Young, Robert G.: *See*—
Hollyday, James H., and Young. 2,981,046.

Young, Robert W.: *See*—
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Young, Roger W., to John Dusenbury Co., Inc. Curved roller. 2,996,784, 8-22-61, Cl. 26—63.

Young, Ronald D.: *See*—
Phillips, Alvin B., Young, and Brown. 3,012,874.

Young, Ruth R.: *See*—
Franz, Ethan W. P. 2,987,167.
Franz, Ethan W. P. 2,987,168.

Young, Serenus H. A., assor. of small interests to various assignees. Molding shaped articles from fluid fibrous suspensions. 2,969,835, 1-31-61, Cl. 162—253.

Young, Serenus H. A., of small interest to various assignees. Apparatus and method of making hollow elongated plastic products. 2,993,526, 7-25-61, Cl. 154—1.8.

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Sittel, Richard L., Cone, Ringwald, and Young. 2,997,315.

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Dorkins, Evan E. 3,002,354.
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Young, Stephen A. Valve and adjustable escutcheon means therefor. 2,966,924, 1-3-61, Cl. 137—359.

Young, Stephen A. Combination faucet. 3,000,392, 9-19-61, Cl. 137—357.

Young, Stephen A. Bath plug construction. 3,010,120, 11-28-61, Cl. 4—295.

Young, Stephen A. Universal fixture. 3,014,492, 12-26-61, Cl. 137—271.

Young, Thomas. Brake. 3,010,545, 11-28-61, Cl. 188—90.

Young, Thomas E., to E. I. du Pont de Nemours and Co. Poly-xylenes prepared by decomposition of quaternary ammonium compounds. 2,999,820, 9-12-61, Cl. 260—2.

Young, Vernon R., F. C. Pittman, and J. E. Broaddus, to Halliburton Co. Fracturing gun. 3,011,551, 12-5-61, Cl. 166—55.1.

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Young, William E., to Standard Packaging Corp. Heat sealing devices. 3,001,572, 9-26-61, Cl. 156—386.

Young, William E., to Westinghouse Electric Corp. Apparatus for minimizing the deposition of deleterious compounds in a petroleum fuel fired gas chamber. 3,002,345, 10-3-61, Cl. 60—39.01.

Young, William G., to Miller Printing Machinery Co. Valves. 2,967,041, 1-3-61, Cl. 251—166.

Young, William R., Jr., to Bell Telephone Laboratories, Inc. Automatic telephone traffic recorder employing magnetic tape. 2,976,365, 3-21-61, Cl. 179—8.

Young, William R., Jr., to Bell Telephone Laboratories, Inc. Spiral error checking method. 3,008,004, 11-7-61, Cl. 178—23.

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Young, William S., A. C. Condo, Jr., J. B. Hunter, and H. Iserson, ½ to Atlantic Refining Co., and ½ to Pennsalt Chemicals Corp. Motor fuel compositions. 3,007,783, 11-7-61, Cl. 44—69.

Young, William W.: *See*—
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Young, William W. Rotary stalk cutter. 2,986,864, 6-6-61, Cl. 56—503.

Youngbeck, Karl W., C. R. Goerg, and D. K. Schuette, to Globe-Union Inc. Miniature variable resistance device. 2,974,299, 3-7-61, Cl. 338—163.

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Youngman, Edward A., to Shell Oil Co. Process for polymerizing diolefins in presence of vinyl cycloolefin. 3,005,811, 10-24-61, Cl. 260—94.3.

Youngner, Julius S., and H. Noll. Lipid purification and concentration of viruses and vaccines therefrom. 2,981,658, 4-25-61, Cl. 167—78.

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Maharick, Matt. 3,007,716.

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Youtz, Philip N. Method of producing nested floor panels. 2,995,799, 8–15–61, Cl. 25—154.

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Zaffaroni, Alejandro, to Syntex S.A. Δ^1,4-pregnadiene-19,21-diol-3,20-dione and esters thereof. 2,968,663, 1–17–61, Cl. 260—397.47.

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Zaffaroni, Alejandro, and G. Rosenkranz, to Syntex S.A. Process for the production of Δ^4-19-nor-pregnene-21-ol-3, 11,20-triones. 2,973,374, 2–28–61, Cl. 260—397.45.

Zagar, Asher I., to Ettco Tool & Machine Co., Inc. Conical clutch sleeves for tapping attachments. 3,005,526, 10–24–61, Cl. 192—51.

Zagar, Asher I., to Ettco Tool & Machine Co., Inc. Positive drive tapping attachments. 3,005,527, 10–24–61, Cl. 192—51.

Zagar, Asher I., to Ettco Tool & Machine Co., Inc. Switch devices for lead screw tapping units. 3,005,884, 10–24–61, Cl. 200—47.

Zager, Kurt: *See*—
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Zagieboylo, Walter, and W. P. Lynch, to United States of America, Army. Combined mirror supporting or mounting, adjusting, and locking means. 3,009,391, 11-21-61, Cl. 88—84.

Zaginailoff, Ralph G.: *See*—
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Zagorski, Wladyslaw S., to General Electric Co. Range timer position indicating device. 3,005,062, 10-17-61, Cl. 200—33.

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Greenman, Norman L., Zagusta, and Anderson. 2,986,804.
Greenman, Norman L., Zagusta, and Anderson. 2,988,839.

Zahlhaas, Siegfried, and R. Kahler, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Extending connection paths in a field of coupling points. 2,970,190, 1-31-61, Cl. 179—22.

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Zahn, Helmut, to Naturin-Werke Becker & Co. Readily removable artificial sausage casings and method of preparation. 2,988,451, 6-13-61, Cl. 99—176.

Zahn, Hermann: *See*—
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Zahn, Hermann. Gas cigarette-lighter. 2,996,907, 8-22-61, Cl. 67—7.1.

Zahn, Hermann. Automatic gas cigarette-lighter. 3,007,328, 11-7-61, Cl. 67—7.1.

Zahnradfabrik Friedrichshafen: *See*—
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Zahradnik, George J., to A. B. Dick Co. Impression roller. 3,006,061, 10-31-61, Cl. 29—124.

Zahradnik, Stanislav, to Sdruzeni podniku textilniko strojirenstvi. Nozzle for jet weaving looms. 2,998,029, 8-29-61, Cl. 139—127.

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Zaiger, Max. Flexible blade for windshield wipers. 2,966,692, 1-3-61, Cl. 15—250.36.

Zajac, Josef, P. Schön, and S. Černoch, to Tatra, narodni poknik. Coupling systems for articulated vehicles. 2,998,267, 8-29-61, Cl. 280—427.

Zajac, Stephen J.: *See*—
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Zaleski, John F., to General Precision, Inc. Microwave field rotator. 2,980,870, 4-18-61, Cl. 333—7.

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Zalk, Sidney. Tool-miniature connector remover. 2,973,219, 2-28-61, Cl. 294—92.

Zalkind, Joseph. Multi-color writing transfer sheet. 2,976,165, 3-21-61, Cl. 117—15.

Zalkind, Joseph. Manifold set separating device. 2,991,522, 7-11-61, Cl. 24—66.

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Zanger, Diana E. Convertible shadow-proof petticoat. 2,975,430, 3-21-61, Cl. 2—211.

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Zapp, Robert L., and M. W. Swaney, to Esso Research and Engineering Co. Steam curing isoolefin-multiolefin rubbery copolymers. 2,977,343, 3-28-61, Cl. 260—79.5.

Zarcone, Carl J., to General Dynamics Corp. Multiplexing synchronizer. 2,979,565, 4-11-61, Cl. 178—50.

Zarcone, Carl J., and B. A. Harris, to General Dynamics Corp. Binary data translating device. 2,979,702, 4-11-61, Cl. 340—174.

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Zarling, Steve A., to The Clark Controller Co. Transistor control systems. 2,966,979, 1-3-61, Cl. 192—131.

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Zaslowsky, Joel A., to Olin Mathieson Chemical Corp. Stabilization of diborane-alkyne reaction product with triethylamine. 2,977,207, 3-28-61, Cl. 52—.5.

Zaslowsky, Joel A., and J. H. Madaus, to Olin Mathieson Chemical Corp. Separation of decaborane from a mixture of solid boron hydrides. 2,983,590, 5-9-61, Cl. 23—299.

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Zaugg, Harold E., to Abbott Laboratories. Resolution of dimethadone. 2,983,757, 5-9-61, Cl. 260—570.

Zaugg, Harold E., to Abbott Laboratories. 3,9-diazabicyclo-[4.2.1]nonane derivatives. 2,999,091, 9-5-61, Cl. 260—239.3.

Zaugg, Harold E., F. C. Garven, A. O. Geiszler, and K. E. Hamlin, to Abbott Laboratories. Method of alkylating esters. 2,971,024, 2-7-61, Cl. 260—485.

Zaugg, Harold E., and R. W. De Net, to Abbott Laboratories. Cyclohexylcarbinol derivatives of piperazine. 2,971,955, 2-14-61, Cl. 260—268.

Zaugg, Harold E., A. W. Weston, M. Freifelder, and R. J. Michaels, Jr., to Abbott Laboratories. Process for preparing β-substituted-ethyl piperazines. 2,980,683, 4-18-61, Cl. 260—268.

Zaugg, Harold E., and R. J. Michaels, Jr., to Abbott Laboratories. 6-chloro-3-cycloalkyl-7-sulfamyl-1,2,4-benzothiadiazine-1,1-dioxides. 3,002,973, 10–3–61. C. 260—243.
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Zeigle, Kenneth C., J. C. Vance, P. J. Nieland, and W. M. Bloomquist, to Electric Vendors, Inc. Variable stamp vending and money changing machine. 2,974,772, 3–14–61, Cl. 194—2.
Zeigler, Edgar L., and M. S. Klemes, to Sperry Rand Corp. Anti-friction support mechanism for gyroscopic devices. 2,970,480, 2–7–61, Cl. 74—5.
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Zellers, Mabel W. Electric heater. 2,995,644, 8–8–61, Cl. 219—34.
Zellner, Floyd L., and H. F. Green. Automatic controls for dirt moving machines. 2,973,593, 3–7–61, Cl. 37—144.
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Zimmermann, Frederick N. and W. E., to March Mfg. Co. Condensate pump and control means. 2,981,196, 4–25–61, Cl. 103—26.
Zimmermann, Hoge Warren, Co.: *See*—
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Zimmermann, Markus, and F. Hafliger, to Geigy Chemical Corp. New morpholine compounds. 2,996,504, 8–15–61, Cl. 260—247.5.
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Müller, Wilhelm, Zimmermann, and Stroh. 2,977,308.
Zimmermann, Oskar. Fishing lures. 3,001,315, 9–26–61, Cl. 43—17.6.
Zimmermann, Otto, and G. Knetsch, to Ernst Leitz, G.m.b.H. Triplet objective for optical apparatus. 2,995,980, 8–15–61, Cl. 88—57.
Zimmermann, Otto, G. Kleineberg, and E. Hermanni, to Ernst Leitz, G.m.b.H. Photographic objective. 3,012,476, 12–12–61, Cl. 88—57.
Zimmermann, Robert L., to The Dow Chemical Co. Alkali metal addition compounds of alpha-methyl styrene and method of making. 2,985,594, 5–23–61, Cl. 252—431.
Zimmermann, Rolf: *See*—
Bartels, Ernst A., Brähler, Reese, and Zimmermann. 2,974,085.
Zimmermann, Werner, G. A. Sieper, and L. Reinhardt, to Wasag-Chemie Aktiengesellschaft. Process for making starch nitrates. 2,995,549, 8–8–61, Cl. 260—233.5.
Zimmermann, Wilhelm, and J. Roder, to Dravo Corp. Apparatus for cooling particulate materials. 2,983,051, 5–9–61, Cl. 34—164.
Zimmermann, Willy E.: *See*—
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Zimmermann, Frederick N. and W. E. 2,973,904.
Zimmermann, Frederick N. and W. E. 2,981,196.
Zimmers, Edward J. Rotatable rocking toy. 2,971,758, 2–14–61, Cl. 272—51.
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Zimmerspitz, Samuel. Convertible seat and couch unit. 3,005,998, 10–31–61, Cl. 5—44.
Zimny, Zygmunt S.: *See*—
Cooper, Paul D., and Zimny. 2,975,483.
Zimont, Leonard J.: *See*—
Hopkins, Ervin W., and Zimont. 2,999,019.
Zimsky, John J., and W. B. Stewart, to McGraw-Edison Co. Method and apparatus for varying the length of material cut in response to variations in the thickness of the material. 2,989,883, 6–27–61, Cl. 83—34.
Zimsky, John J., A. L. Horelick, and H. W. Dornbush, to McGraw-Edison Co. Lightweight distribution transformer. 2,990,528, 6–27–61, Cl. 336—58.
Zimsky, John J., W. A. Mocker, and G. N. Boyd, to McGraw-Edison Co. Method and apparatus for constructing a magnetic core. 3,003,225, 10–10–61, Cl. 29—155.61.

Zingaro, Placido W.: *See*—
Dorenbosch, Matthew M., and Zingaro. 3,011,060.
Zingaro, Placido W., to Philips Electronics, Inc. X-ray interferometer. 2,999,931, 9–12–61, Cl. 250—51.5.
Zink, George A., and W. E. Taylor, to General Motors Corp. Integrally cast vehicle wheel and brake drum with heat sink. 2,976,083, 3–21–61, Cl. 301—6.
Zink, Hermann, H. Wenz, and H. Bungert, to G. M. Pfaff, A.G. Zig-zag sewing machines. 2,990,793, 7–4–61, Cl. 112—158.
Zink, John Co.: *See*—
Reed, Robert D. 2,981,320.
Reed, Robert D. 3,002,553.
Zinke, Walter: *See*—
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Zinkernagel, Robert: *See*—
Model, Ernst, Bindler, and Zinkernagel. 2,999,047.
Zinkl, Anton: *See*—
Biedermann, Friedrich, and Zinkl. 2,981,168.
Zinn, Daniel L. Ceiling panel. 2,988,184, 6–13–61, Cl. 189—85.
Zinn, Walter H., to United States of America, Atomic Energy Commission. Fast neutron reaction system. 2,975,117, 3–14–61, Cl. 204—193.2.
Zinn, Wilbur Q. Lounging support. 3,003,815, 10–10–61, Cl. 297—118.
Zinnert, Friedrich, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the bleaching of waxes or other wax-like materials by oxidation and the new composition of matter thus obtained. 3,004,856, 10–17–61, Cl. 106—270.
Zion, Alfred B. Door knob assembly. 3,012,808, 12–12–61, Cl. 292—347.
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Digirolamo, John V. M., and Zion. 2,973,604.
Zion, Moses, to The Lionel Corp. Culvert loader and car. 2,986,289, 5–30–61, Cl. 214—1.
Zion, Moses, to The Lionel Corp. Locomotive pantograph. 2,999,334, 9–12–61, Cl. 46—217.
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Ziolkowski, Edward M., to Minneapolis-Honeywell Regulator Co. Electrical apparatus for transferring digital data. 2,981,934, 4–25–61, Cl. 340—174.
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Misson, William H. 3,005,371.
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Zirinsky, Stanley: *See*—
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Zirkle, Charles L.: *See*—
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Kaiser, Carl, and Zirkle. 3,010,971.
Zirkle, Charles L., to Smith Kline & French Laboratories. Esters of 9-alkyl-3-oxa and 3-thia-9-azabicyclo [3.3.1]-nonan-7-ol. 2,970,144, 1–31–61, Cl. 260—243.
Zisler, Siegfried, and S. von Welser, to Societe francaise Sadir-Carpentier. Directional slot antenna. 2,977,595, 3–28–61, Cl. 343—769.
Zisman, William A.: *See*—
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Zisman, William A., and V. G. FitzSimmons. Lubricated wire rope. 2,977,748, 4–4–61, Cl. 57—149.
Zitin, Arnold S.: *See*—
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Trachtman, Morris, and Zitin. 2,992,926.
Zitin, Bernard C.: *See*—
Trachtman, Morris, and Zitin. 2,992,606.
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Zitko, Ronald F., to International Harvester Co. Seed strand planter. 2,998,706, 9–5–61, Cl. 61—72.6.
Zito, Ralph, to American Machine & Foundry Co. Impact indicating system. 2,973,964, 3–7–61, Cl. 273—102.2.
Zitomer, Abe, to Alumatic Corp. of America. Window structures. 2,967,335, 1–10–61, Cl. 20—52.
Zitomer, Abe, to Alumatic Corp. of America. Window sash rack construction. 2,967,595, 1–10–61, Cl. 189—72.
Zittle, John H., to Howe Sound Co. Roll type insulation. 2,983,340, 5–9–61, Cl. 189—3.
Zletz, Alex: *See*—
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Zletz, Alex, and D. R. Carmody, to Standard Oil Co. Trithioborate rocket fuel. 2,970,428, 2–7–61, Cl. 60—35.4.
Zloczower, Walter: *See*—
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Zlotek, Thaddeus F., to Formsprag Co. Sprag retainer for one-way clutches. 2,998,875, 9–5–61, Cl. 192—45.1.
Zlotek, Thaddeus F., to Formsprag Co. Sprag for one-way clutches and method of forming the same. 2,998,876, 9–5–61, Cl. 192—45.1.
Zlotek, Thaddeus F., to Formsprag Co. Sprag for one-way clutches. 3,012,646, 12–12–61, Cl. 192—45.1.
Zlotnicki, Chester A. Practice golf putting cup. 2,974,959, 3–14–61, Cl. 273—177.
Zlupko, John E., to General Electric Co. Arc-extinguishing device for direct current arcs. 3,009,041, 11–14–61, Cl. 200—144.
Zmuda, Andrew W., and J. L. Howe, to The De Vilbiss Co. Apparatus for coating with atomized liquid. 2,993,468, 7–25–61, Cl. 118—300.
Zmuginsky, Charles F.: *See*—
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Zoeller, Hugo E. Toy bank. 2,990,643, 7–4–61, Cl. 46—3.
Zoeller, Milton G. Clamp for electric wire fence. 2,972,007, 2–14–61, Cl. 174—163.
Zoetbrood, Gijsbertus J., to N.V. Onderzoekingsinstituut Research. Process for the preparation of polymeric polymethylene terephthalate using certain polyhydric organic compounds as catalysts. 2,998,408, 8–29–61, Cl. 260—47.
Zoetbrood, Gijsbertus J., to N.V. Onderzoekingsinstituut Research. Pigmentation of polyesters. 3,002,942, 10–3–61, Cl. 260—22.
Zoetbrood, Gijsbertus J., to N. V. Onderzoekingsinstituut Research. Process for drying polyester chips. 3,014,011, 12–19–61, Cl. 260—75.
Zogg, Frederick E., to Burroughs Corp. Distributor device. 2,983,446, 5–9–61, Cl. 235—61.11.
Zoglmann, Rudolf, to N.V. Optische Industrie de Ould Delft. Devices for separating cut films from a stack. 2,974,949, 3–14–61, Cl. 271—18.
Zoglmann, Rudolf, and H. J. C. Nieuwenhoven, to N.V. Optische Industrie "De Onde Delft." Device for the supply and removal of film in mirror cameras. 2,975,691, 3–21–61, Cl. 95—31.
Zola, Edward J., Jr., K. W. Van Mechelen, G. J. Cour, and W. L. McDermid, to International Business Machines Corp. Binary-to-digital pulse train converter. 3,004,252, 10–10–61, Cl. 340—347.
Zolezzi, Walter M., and M. L. Brandt, to O'Brien, Spotorno, Mitchell & Compagno Bros., Inc. Method of preparing a breast of chicken product. 3,006,766, 10–31–61, Cl. 99—107.
Zoll, Daniel J. Signal analyzer. 2,970,261, 1–31–61, Cl. 324—76.
Zöller, Hans. Dust bin tipping arrangement. 3,005,561, 10–24–61, Cl. 214—303.
Zoller, Howard F., and J. L. Neumeyer, to Ethicon, Inc. Surgical package. 2,993,589, 7–25–61, Cl. 206—63.3.
Zoller, Ronald E., to Babcock & Wilcox Ltd. Vapor generating unit. 2,968,289, 1–17–61, Cl. 122—480.
Zoller, Ronald E., to The Babcock & Wilcox Co. Fluid heaters. 2,988,064, 6–13–61, Cl. 122—478.
Zoller, Ronald E., to Babcock & Wilcox Ltd. Liquid fuel burners. 2,991,941, 7–11–61, Cl. 239—126.
Zoller, Wilhelm, to Brown, Boveri & Cie. Aktiengesellschaft. Excess voltage discharge device. 2,989,664, 6–20–61, Cl. 317—70.
Zollinger, Alfred: *See*—
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Zollinger, Alfred, to Grinnell Corp. Pipe hanger. Re. 24,934, 2–14–61, Cl. 248—58.
Zollinger, Alfred, to Grinnell Corp. Constant support hangers. 2,981,512, 4–25–61, Cl. 248—58.
Zollinger, Alfred, to Grinnell Corp. Motor driven constant support hangers. 2,974,915, 3–14–61, Cl. 248—58.
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Zollinger, Ezra J. Chaffer screen feed for agricultural combine harvester. 2,989,183, 6–20–61, Cl. 209—254.
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Zollner, Harry, to VEB Carl Zeiss Jena. Photographic five-element lenses of the modified gauss type. 2,968,221, 1–17–61, Cl. 88—57.
Zomlefer, Jack, to Solar Chemical Corp. Apparatus for dispersing pigment in plastic material. 2,982,990, 5–9–61, Cl. 18—2.
Zone, Charles J. Baseball pitching robot. 3,009,451, 11–21–61, Cl. 124—7.
Zonker, Lawrence C., to Beam Products Mfg. Co. Combined fuel filter and lock-off valve and fuel filter. 3,004,670, 10–17–61, Cl. 210—429.
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Zopf, George W., Jr., J. H. Johnson, R. M. Hedrick, J. E. Fields, and J. M. Butler, to Monsanto Chemical Co. Derivatives of ethylene/maleic anhydride copolymers. 2,977,334, 3–28–61, Cl. 260—27.
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Zorn, Ralph A., R. C. Malzahn, and A. M. Hanson, to Grain Processing Corp. Bacitracin product and processes. 2,985,534, 5–23–61, Cl. 99—2.

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Zorn, Werner. Controlling magnetic sound recording and reproducing devices. 2,971,762, 2–14–61, Cl. 274—4.
Zornes, William F. Fishing outrigger. 3,008,259, 11–14–61, Cl. 43—43.12.
Zoschak, Robert J., and E. L. Daman, to Foster Wheeler Corp. Method of burning slag forming fuel in furnaces. 2,968,288, 1–17–61, Cl. 122—240.
Zouck, Robert L., and I. R. Barr, to Aircraft Armaments, Inc. In-hold cargo handling device. 2,981,350, 4–25–61, Cl. 180—9.2.
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Zrolka, Nicholas, ⅓0 to Gadget-Of-The-Month Club, Inc. Shower spray. 2,973,151, 2–28–61, Cl. 239—432.
Zsarnoti, Sandor J. Ventilator-air purifier combination. 3,000,291, 9–19–61, Cl. 98—37.
Zschau, Horst, to Firma Fernseh G.m.b.H. Film for use in televising pictures. 3,004,467, 10–17–61, Cl. 88—16.2.
Zschau, Horst, to Fernzeh G.m.b.H. Gamma control in televising film. 3,005,047, 10–17–61, Cl. 178—7.2.
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Zubaty, Joseph, to General Motors Corp. Fluid pump control mechanism. 2,983,153, 5–9–61, Cl. 74—60.
Zubaty, Joseph, to General Motors Corp. Wobble plate diaphragm pump. 2,991,723, 7–11–61, Cl. 103—150.
Zubaty, Joseph, to General Motors Corp. Variable pressure fluid pump. 3,010,403, 11–28–61, Cl. 103—150.
Zubaty, Joseph G., and L. F. Stewart, to General Motors Corp. Speed-density fuel metering device. 3,008,460, 11–14–61, Cl. 123—119.
Zuber, Alfred G. Toy return hoop. 2,974,956, 3–14–61, Cl. 273—129.
Zublate, Felipe M. Cushioned shoulder covering. 2,986,738, 6–6–61, Cl. 2—2.
Zubko, Peter W. Steerable one way snow plow. 3,010,230, 11–28–61, Cl. 37—42.
Zubro, Walter, to Walker Mfg. Co. Crankcase ventilator. 2,979,038, 4–11–61, Cl. 121—194.
Zubrychi, Theodore. Sausage slitters. 2,981,971, 5–2–61, Cl. 17—25.
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Zuck, Matthew M., and J. E. Waterman, to Winsor & Jerauld Mfg. Co. Tenter clip. 3,000,073, 9–19–61, Cl. 26—62.
Zucker, Henry, to Raytheon Co. Synchronous demodulator for color receivers. 2,971,049, 2–7–61, Cl. 178—5.4.
Zucker, Henry, to Raytheon Co. Electron beam conversion systems. 2,987,646, 6–6–61, Cl. 315—13.
Zucker, Jacques. Process for the cleaning of metal parts. 2,977,962, 4–4–61, Cl. 134—111.
Zuckerman, Adolph M., to R. Hoe & Co., Inc. Rotary web printing machine. Re. 24,948, 3–21–61, Cl. 270—5.
Zuckerman, Adolph M., to R. Hoe & Co., Inc. Folding mechanism for printing machines. 2,991,995, 7–11–61, Cl. 270—50.
Zuckerman, Jack M. Stepped garment hanger. 2,991,919, 7–11–61, Cl. 223—88.
Zuckerman, Jack M., to Yankee Plastics, Inc. Garment hanger. 3,007,616, 11–7–61, Cl. 223—89.
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Zucrow, Maurice J., R. L. Hirsch, and C. B. Large, to Aerojet-General Corp. Propellant for rocket motors. 3,012,866, 12–12–61, Cl. 52—.5.
Zuercher, Anthony J., to T. W. & C. B. Sheridan Co. Stack handling machine for newspapers and the like. 2,991,603, 7–11–61, Cl. 53—55.
Zuercher, Anthony J., to T. W. & C. B. Sheridan Co. Top wrapper-applying machine for newspapers. 2,994,998, 8–8–61, Cl. 53—196.
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Heigl, Carl H., and Zugel. 3,008,706.
Zuhn, Arthur A., to Caterpillar Tractor Co. Engine exhaust valve cooling means. 2,967,518, 1–10–61, Cl. 123—41.77.
Zuidema, George D., R. E. Edelberg, and E. W. Salzman. Indirect blood pressure recorder. 2,989,051, 6–20–61, Cl. 128—2.05.
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Zumbaum, William. Ladder holder. 3,012,628, 12–12–61, Cl. 182—172.
Zumbehl, Stanley C., to Tri-Angle Tool and Die Co. Screen printing machine. 2,968,239, 1–17–61, Cl. 101—123.
Zumstein, Heinz, to Ciba Ltd. Rapidly hardenable mixtures of epoxy resins and polyamide resins. 2,977,332, 3–28–61, Cl. 260—18.
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Zuppinger, Paul, and G. Widmer, to Ciba Ltd. Compositions comprising non-gelatinized reaction products of methylolaminotriazine allyl ethers with α:β-unsaturated compounds. 2,986,541, 5–30–61, Cl. 260—21.
Zuppiroli, Guido, to Innocenti Soc. Generale per l'Industria Metallurgica e Meccanica. Heating a portion of a profile. 2,968,711, 1–17–61, Cl. 219—10.61.
Zurbuchen, Louis E., and F. R. Werner, to The National Cash Register Co. Repeat control mechanism for cash registers and accounting machines. 3,011,699, 12–5–61, Cl. 235—11.
Zurcher, Paul G. Trammel scale and layout tool. 2,974,416, 3–14–61, Cl. 33—27.
Zurek, Thomas F., to General Electric Co. Domestic appliance. 3,009,470, 11–21–61, Cl. 134—176.
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Zuzelo, Edward A. Masonry saw. Re. 25,077, 11–7–61, Cl. 125—13.
Zuzelo, Edward A., Tilting saw. 3,001,520, 9–26–61, Cl. 125—14.
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Zweben, Samuel. Refrigerated food processing device. 2,990,864, 7–4–61, Cl. 146—182.
Zweidler, Reinhard, and E. Keller, to J. R. Geigy A.-G. Fluorescent triazolyl stilbene compounds. 2,972,611, 2–21–61, Cl. 260—240.
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Zwick, Eugene B., to Sundstrand Corp. Reaction chamber for monopropellant or bipropellant fuels. 2,999,358, 9–12–61, Cl. 60—39.46.
Zwick, Kurt, to H. and F. W. Deckel. Rotary tool holder. 2,967,382, 1–10–61, Cl. 51—245.
Zwicker, Vernon M., to General Motors Corp. Self-aligning bearing mounting. 2,975,007, 3–14–61, Cl. 308—194.
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Erratum

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In the "Index of Patents," vol. 1959, under the heading "List of Patentees," p. 631, between lines 80 and 81, the following entry was omitted, and should be inserted as part of said index:

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Bates Mfg. Co., The: *See*—
Kamp, Bruce. 191,931.
Baughman, Karl T., to Sears, Roebuck and Co. Typewriter. 190,694, 6–20–61, Cl. D64—11.
Baumgarten, Fred: *See* —
Stern, Stefan. 189,898.
Baumgartner Freres S.A.: *See*—
Ducommun, Georges. 191,460.
Ducommun, Georges. 191,461.
Bausch & Lomb Inc.: *See*—
Burlin, James N., and Dreyfuss. 190,886.
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Welham, Brian H. 190,885.
Baxendell, Charles D., to The Bryant Electric Co. Combined switch actuator and frame. 191,047, 8–8–61, Cl. D26—13.
Baxter, Ellsworth H., C. Merl, and L. J. Campbell, to Louis Marx & Co., Inc. Go-cart. 190,114, 4–18–61, Cl. D14—3.
Baxter, Henry R. Sashless window latch. 190,881, 7–11–61, Cl. D50—5.
Baxter, Stanley V.: *See*—
Roth, Irving R., and Baxter. 189,634.
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Boughey, Joseph P., and Compagnucci. 191,297.
Beach, Richard C., and C. B. Popkin. Service station building. 190,224, 5–2–61, Cl. D13—1.
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Beale, Dorr D. Pushmobile. 189,614, 1–17–61, Cl. D14—3.
Beardmore, John E., to Karoll's, Inc. Combined chair and tray. 190,030, 4–4–61, Cl. D33—11.
Beardsley, Melville W., and P. W. Jackson, Jr., to National Research Associates, Inc. Air cushion vehicle. 190,841, 7–4–61, Cl. D71—1.
Beban, Andrew J. and G. Brush for golfing accessories or the like. 191,299, 9–12–61, Cl. D9—2.
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Beck, William A., and Kruke. 190,719.
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Beck, William A., and W. F. Kruke, to Beck, Inc. Electric motor driven silver polisher. 190,719, 6–27–61, Cl. D9—2.
Becker, Otto L.: *See*—
Levine, Bernard B., and Becker. 189,899.
Becker, Robert E., to Logansport Machine Co., Inc. Lubricator, filter and regulator unit. 189,833, 2–28–61, Cl. D52—6.
Becker, Wayne M., to Burroughs Mfg. Corp. Battery box. 190,733, 6–27–61, Cl. D26—6.
Becker, William K., to Aero-Motive Mfg. Co. Inspection light. 190,295, 5–9–61, Cl. D48—20.
Beckett, John C., to Wesix Electric Heater Co. Front panel for an electric heater. 190,540, 6–6–61, Cl. D81—10.
Beduhn, Daniel E., to Manitowoc Engineering Corp. Dry cleaning unit. 191,951, 12–19–61, Cl. D49—1.
Beecher, Roger W. D. Necktie. 189,609, 1–17–61, Cl. D3—16.
Beers, Warren B. Flashlight for miner's caps or the like. 191,532, 10–10–61, Cl. D48—24.
Beggy, Charles J. Audio-visual instruction apparatus. 191,788, 11–21–61, Cl. D25—1.
Behnk, Donald J., to Package Machinery Co. Wrapping machine. 191,922, 12–12–61, Cl. D55—1.
Behnik, Donald J., and R. O'Neil, to United States Steel Corp. Wire tying machine. 189,935, 3–21–61, Cl. D55—1.
Beinert, John D., to Melnor Industries, Inc. Sprinkler base. 189,564, 1–3–61, Cl. D91—1.
Beinert, John D., to Melnor Industries, Inc. Lawn sprinkler. 191,157, 8–15–61, Cl. D91—1.
Beinert, John D., to Melnor Industries, Inc. Lawn sprinkler. 191,158, 8–15–61, Cl. D91—1.
Beinert, John D., to Melnor Industries, Inc. Lawn sprinkler. 191,159, 8–15–61, Cl. D91—1.
Beinert, John D., to Melnor Industries, Inc. Lawn sprinkler. 191,345, 9–12–61, Cl. D91—1.
Beinert, John D., to International Patent Research Corp. Lawn sprinkler. 191,653, 10–24–61, Cl. D91—1.
Beinert, John D., to Swingline Industrial Corp. Pneumatic power tool for applying fasteners. 191,801, 11–21–61, Cl. D54—14.
Beinert, John D., and S. Pazan, to Swingline Industrial Corp. Pneumatic power tool for applying fasteners. 191,802, 11–21–61, Cl. D54—14.
Belbow, David. Cellophane tape dispenser. 191,246, 8–29–61, Cl. D74—1.
Belbow, David. Stapling machine. 191,290, 9–5–61, Cl. D74—1.
Bell, Eddie J. Poultry stitching needle. 191,033, 8–8–61, Cl. D11—1.
Bell & Howell Co.: *See*—
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King, Douglas H. 191,661.
Mosing, Lionel W. 189,877.
Mosing, Lionel W. 190,867.
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Bell, Walter, to Star Precision Devices, Inc. Picture hanger. 191,201, 8–29–61, Cl. D17—12.
Belokin, Paul, Jr., to Webcor Inc. Portable tape recorder or similar article. 190,235, 5–2–61, Cl. D26—14.
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Huseby, Kenneth S., and Belter. 191,576.
Bender, Sydney E., and L. B. Donnelly. Condiment container. 190,530, 6–6–61, Cl. D58—11.

Ben-Hur Products, Inc.: *See*—
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Bennett, Curtis F., Jr.: *See*—
Elrod, George E. 191,614.
Bennett, William S., to National Rejectors, Inc. Change maker. 190,442, 5–30–61, Cl. D52—4.
Benson, Donald O., to Toro Mfg. Corp. Lawn mower for golf course greens and the like. 190,872, 7–11–61, Cl. D40—1.
Benson, Harold R., to The Nuarc Co. Apparatus for making photographic plates. 189,895, 3–14–61, Cl. D61—1.
Benua, Louis P., R. J. Radcliffe, and W. Taylor, to The Ebco Mfg. Co. Wall mounted drinking fountain or similar article. 190,063, 4–4–61, Cl. D67—4.
Benua, Louis P., R. J. Radcliffe, and W. Taylor, to The Ebco Mfg. Co. Wall mounted water cooler or similar article. 191,771, 11–14–61, Cl. D67—4.
Benzel, Howard A., to Scott Aviation Corp. Aviator's bail-out oxygen tube connection unit. 191,485, 10–3–61, Cl. D83—1.
Beresford-Evans, John, to Ronson Corp. Table lighter. 190,761, 6–27–61, Cl. D48—27.
Bergemann, Joseph A.: *See*—
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Berghgracht, Marius. Carton. 190,448, 5–30–61, Cl. D58—12.
Bergman, Jack. Clock. 191,121, 8–15–61, Cl. D42—7.
Berkson, Herbert D., ½ to R. F. Muse. Lawn clipper. 191,318, 9–12–61, Cl. D40—1.
Berkus, Clyde C.: *See*—
Ziff, Irving M., and Berkus. 191,808.
Berlin, Daniel. Baby jumper. 189,911, 3–21–61, Cl. D15—1.
Berlin, Nathan. Narrow embroidered fabric. 189,739, 2–14–61, Cl. D3—9.
Berlin, Nathan, to Hamilton Web Co., Inc. Braid or similar article. 189,808, 2–28–61, Cl. D3—32.
Berry, Paul B., to Tex Tan, Inc. Card case or similar article. 189,954, 3–21–61, Cl. D87—3.
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Newman, James F., Gessert, and Berry. 189,869.
Bertsch, Thomas R., to Chrysler Corp. Automobile interior door handle. 191,902, 12–12–61, Cl. D10—8.
Bertschinger, Charles F., W. A. Crook, and H. N. Gold, to Chart-Pak, Inc. Holder for tape or similar article. 191,015, 8–1–61, Cl. D58—11.
Berzac, John. Toy savings bank or similar article. 189,789, 2–21–61, Cl. D34—5.
Besnah, Gerald A., to Solar Products, Inc. Portable sun bathing reflector. 190,541, 6–6–61, Cl. D83—1.
Bessler, Robert D., to Plattner Co., Inc. Portable lantern. 191,991, 12–26–61, Cl. D48—24.
Best, Melvin H., and R. K. Fujioka, to De Jong-Caskey & Co. Bathtub safety bar. 189,906, 3–21–61, Cl. D4—1.
Best, Melvin H., R. K. Fujioka, and T. M. Uyeda, to Hoffman Electronics Corp. Transmitter housing or similar article. 190,494, 6–6–61, Cl. D26—5.
Besterda, Louis: *See*—
White, William J. 190,039.
Beyer, Earle W., to R. C. Soto. Knife pouch. 191,268, 9–5–61, Cl. D22—6.
Beyer, Edward G.: *See*—
Bateman, Bryce C., and Beyer. 191,206.
Bieger, Walter I., to The Parker Pen Co. Writing instrument. 190,307, 5–9–61, Cl. D74—17.
Bigelow, Floyd E., Jr. Foundation skid for portable buildings or the like. 191,161, 8–22–61, Cl. D13—1.
Big Four Industries, Inc.: *See*—
Brosene, William G., Jr. 191,227.
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Binns, Thomas W., to Quaker Lace Co. Tablecloth. 191,491, 10–3–61, Cl. D92—26.
Binns, Thomas W., to Quaker Lace Co. Tablecloth. 191,569, 10–10–61, Cl. D92—26.
Birch, Clifford W., Jr. Mobile sewing machine. 191,065, 8–8–61, Cl. D55—1.
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Birmingham Ornamental Iron Co., Inc.: *See*—
Rutter, Sheldon M. 191,741.
Bissell, Inc.: *See*—
Anderson, Howard A. 191,300.
Yonkers, Robert A., Rosendall, and Lathrop. 190,128.
Bissinger, Elizabeth A. Hat or the like. 189,960, 3–28–61, Cl. D3—13.
Bissinger, Elizabeth A. Hat or the like. 191,028, 8–8–61, Cl. D3—13.
Black and Decker Mfg. Co., The: *See*—
Butler, Thomas C. 191,596.
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Blackhawk Mfg. Co.: *See*—
Kollmeyer, Fred H. 189,829.
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Blake, Henry A., to Blake Industries, Inc. Audible figure toy. 190,238, 5–2–61, Cl. D34—2.
Blake Industries, Inc.: *See*—
Blake, Henry A. 189,880.
Blake, Henry A. 190,238.
Blankenship, Arthur C., L. Youngblood, and C. F. Smajd, to United States Rubber Co. Tire. 190,985, 7–25–61, Cl. D90—20.
Blankenship, Oliver H. Cultivating hoe. 190,870, 7–11–61, Cl. D39—1.
Blashfield, Floyd A.: *See*—
Barron, John E., and Blashfield. 191,124.
Blazey, Lawrence E. Design for a combined pencil pointer and dust receiver. 190,703, 6–20–61, Cl. D74—21.
Blecker, Vincent C.: *See*—
Weaver, Ellis E., Pearson, De Gryse, and Blecker. 189,917.
Bley, William G., ½ to Richard M. Spurgeon. Lady's stocking. 190,095, 4–11–61, Cl. D47—7.
Bley, William G., ½ to R. C. Spurgeon. Bird house. 190,328, 5–16–61, Cl. D31—2.
Bley, William G., ½ to R. C. Spurgeon. Bird house. 190,329, 5–16–61, Cl. D31—2.
Bley, William G., ½ to R. M. Spurgeon. Lady's stocking. 191,988, 12–26–61, Cl. D47—7.
Blickman, S., Inc.: *See*—
Golden, Philip. 191,352.
Bliss, Charles O. Plastic pail or similar article. 189,700, 1–31–61, Cl. D58—17.
Bliss, Charles O. Vegetable bin or similar article. 190,128, 4–18–61, Cl. D44—1.
Bliss, Charles O. Bowl or similar article. 190,668, 6–20–61, Cl. D44—1.
Bliss, Charles O. Dessert mold. 190,713, 6–20–61, Cl. D44—1.
Bliss, Charles O. Pitcher or similar article. 190,964, 7–25–61, Cl. D44—21.
Blitz, Saul, to R & L Draisin Co. Combined siphon and dispensing cap. 191,694, 11–7–61, Cl. D2—3.
Bloch, Jack, to Foster Grant Co., Inc. Drinking tumbler or the like. 189,678, 1–31–61, Cl. D36—8.
Bloch, Jack, to Loma Industries. Picnic jug. 190,059, 4–4–61, Cl. D58—17.
Bloch, Jack, to Loma Industries. Bottle. 191,544, 10–10–61, Cl. D58—5.
Bloch, Jack, to Loma Industries. Tumbler. 191,620, 10–24–61, Cl. D36—8.
Bloch, Jack, to Loma Industries. Pitcher. 191,623, 10–24–61, Cl. D44—21.
Bloch, Jack, to Loma Industries. Bottle. 191,804, 11–21–61, Cl. D58—6.
Blonder, Howard: *See*—
Roth, Harry W., and Blonder. 189,555.
Bloomfield, Harold, to Bloomfield Industries, Inc. Chafing dish. 189,682, 1–31–61, Cl. D44—15.
Bloomfield, Harold, to Bloomfield Industries, Inc. Dispenser rack. 189,683, 1–31–61, Cl. D44—29.
Bloomfield, Harold, to Bloomfield Industries, Inc. Combined wine bucket and stand. 189,864, 3–7–61, Cl. D67—4.
Bloomfield Industries, Inc.: *See*—
Bloomfield, Harold. 189,682.
Bloomfield, Harold. 189,683.
Bloomfield, Harold. 189,864.
Blum, Louis, to Blumcraft of Pittsburgh. Railing post. 189,527, 1–3–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined mounting bracket and railing post. 190,020, 4–4–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined mounting bracket and railing post. 190,021, 4–4–61, Cl. D13—7.
Blum, Louis. Combined mounting bracket and railing post. 190,022, 4–4–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined railing and wall bracket. 190,952, 7–25–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined mounting bracket and railing post. 191,258, 9–5–61, Cl. D13—7.
Blum, Louis. Combined mounting bracket and railing post. 191,577, 10–17–61, Cl. D13—7.
Blum, Louis. Combined mounting bracket and railing post. 191,578, 10–17–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined railing and wall bracket. 191,662, 10–31–61, Cl. D13—7.
Blum, Louis, to Blumcraft of Pittsburgh. Combined stairway and railing unit. 191,979, 12–26–61, Cl. D13—7.
Blum, Sidney. Combined screw driver holder and key chain. 191,608, 10–24–61, Cl. D17—3.
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Blum, Louis. 191,979.
Blumenshine, Raymond B. Collapsible seat and gun rest combination. 190,996, 7–18–61, Cl. D15—8.
Blumer, Fridolin, to Oneida Ltd. Plate or similar article. 189,541, 1–3–61, Cl. D44—15.
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Barradas, George. 189,619.
Bodor, Louis. Combined ball point pen and multiplier. 191,554, 10–10–61, Cl. D74—17.
Boepple, Hans. Sweater. 189,519, 1–3–61, Cl. D3—4.
Bogdanovich, Sergei, to Weil & Durrse, Inc. Textile fabric or similar article. 190,847, 7–4–61, Cl. D92—1.
Bohlmann, Heino F. Hunter's knife. 189,533, 1–3–61, Cl. D22—3.
Bolcom, Stanton B. Reading stand. 191,360, 9–19–61, Cl. D33—10.
Boldt, Melvin H., to Zenith Radio Corp. Television control knob. 189,534, 1–3–61, Cl. D26—13.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 189,553, 1–3–61, Cl. D56—4.
Boldt, Melvin H., to National Presto Industries, Inc. Iron. 189,887, 3–14–61, Cl. D49—6.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 190,054, 4–4–61, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Subscription television decoder. 190,735, 6–27–61, Cl. D26—14.
Boldt, Melvin H., to Zenith Radio Corp. Subscription television decoder. 190,736, 6–27–61, Cl. D26—14.
Boldt, Melvin H., to Zenith Radio Corp. Subscription television decoder. 190,737, 6–27–61, Cl. D26—14.
Boldt, Melvin H., to National Presto Industries, Inc. Cooker for frankfurters or the like. 190,982, 7–25–61, Cl. D81—10.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 191,066, 8–8–61, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 191,067, 8–8–61, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 191,597, 10–17–61, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Radio cabinet. 191,923, 12–12–61, Cl. D56—4.
Bönisch, Josef, to VEB Kamera- und Kinowerke Dresden. Camera. 191,236, 8–29–61, Cl. D61—1.
Bonzer, Lawrence W., to G & B Mfg. Co., Inc. Portable cooler. 191,477, 10–3–61, Cl. D62—4.
Booth, Arthur P. Toilet flushing pedal. 191,862, 12–5–61, Cl. D4—3.
Booty, Donald J., to The Proctor-Silex Corp. Toaster and broiler combination. 191,187, 8–22–61, Cl. D81—10.
Borden, John A. Desk. 190,652, 6–20–61, Cl. D33—7.
Borden, John A. Desk. 190,653, 6–20–61, Cl. D33—7.
Borden, John A. Desk. 190,654, 6–20–61, Cl. D33—7.
Borden, John A. Desk. 190,655, 6–20–61, Cl. D33—7.
Borg, Nikolai, to Klosterbrennerei A.G., Erste Badische Wein- und Edelbranntweinbrennerei. Liquor bottle. 190,527, 6–6–61, Cl. D58—6.
Bott, John A. Combination tissue dispenser and disposal container. 190,297, 5–9–61, Cl. D52—2.
Bottom, Theodore J. Door hood. 190,809, 7–4–61, Cl. D21—6.
Bouchard, Irvine H. Cabinet. 190,031, 4–4–61, Cl. D33—19.
Boudouris, Angelo. Menu sign for drive-in restaurants or the like. 191,779, 11–21–61, Cl. D1—12.
Boughey, Joseph P., and J. P. Compagnucci, to Bay Ridge Specialty Co., Inc. Combined soap holder and grab rail. 191,297, 9–12–61, Cl. D4—3.
Bowden, Benjamin G., to John Wood Co. Gasoline pump service station unit. 190,923, 7–18–61, Cl. D52—2.
Bowden, Benjamin G., to John Wood Co. Gasoline pump service station unit. 190,924, 7–18–61, Cl. D52—2.
Bowden, Benjamin G., to John Wood Co. Gasoline pump service station unit. 190,925, 7–18–61, Cl. D52—2.
Bowden, Benjamin G., to John Wood Co. Gasoline pump service station unit. 190,926, 7–18–61, Cl. D52—2.
Bowe, Alvin G., to James H. Rhodes & Co. Steel wool package. 191,182, 8–22–61, Cl. D58—12.
Bowen, Harvey N., to Hollister Inc. Holder for cards prescribing a hospital patient's treatment. 190,157, 4–25–61, Cl. D1—3.
Bowlby, James F. G., to Lasko Metal Products, Inc. Electric can opener. 191,516, 10–10–61, Cl. D22—2.
Bowl-Ironics, Inc.: *See*—
Lapitsky, Mattvei M. 190,659.
Boxer, Steve. Pair of spectacles. 191,229, 8–29–61, Cl. D57—1.
Bradford Novelty Co., Inc.: *See*—
Burnbaum, Jack. 190,913.
Bradford, Ronald A., and R. La Zar, to Arthur Salm, Inc. Pitcher. 190,878, 7–11–61, Cl. D44—21.
Bradshaw, John G., and G. A. Kingham. Combined vacuum bottle unit and holder. 189,890, 3–14–61, Cl. D58—6.
Brainard, Keith L. Trailer. 191,701, 11–7–61, Cl. D14—3.
Brandeis, Harold, to Poly Plastic Bottle Co., Inc. Bottle. 190,528, 6–6–61, Cl. D58—6.5.
Brandt, Mattie M. ½ to L. R. Richards. Identification plaque. 189,713, 2–7–61, Cl. D1—3.
Brasch, Benjamin F., and G. S. Mountford. Sled. 191,833, 11–28–61, Cl. D34—15.
Brauchi, Andre, to Brauchi, Auguste succ. de Arnold Montandon. Bracelet. 190,753, 6–27–61, Cl. D45—4.
Brauchi, Auguste succ. de Arnold Montandon: *See*—
Brauchi, Andre. 190,753.
Braun, David H. Coin operated amusement ride. 191,616, 10–24–61, Cl. D34—5.
Braun, Morris, to W. Braun Co. Combined jar and closure cap. 191,181, 8–22–61, Cl. D58—25.
Braun, W., Co.: *See*—
Braun, Morris. 191,181.
Braunhut, Harold N. Eyeglass frame. 191,886, 12–5–61, Cl. D57—1.
Braunhut, Harold N. Eyeglass frame. 191,887, 12–5–61, Cl. D57—1.
Braunschweig, Georges: *See*—
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Bravo, Joel W.: *See*—
Frantz, Frederick H., and Bravo. 190,346.
Breeling, Mary M. Dress. 191,858, 12–5–61, Cl. D3—26.
Breidert, G. C., Co., The: *See*—
Breidert, George M. 189,559.
Breidert, George M. 189,801.
Breidert, George M., to The G. C. Breidert Co. Roof ventilator. 189,559, 1–3–61, Cl. D62—4.
Breidert, George M., to The S. C. Breidert Co. Roof ventilator. 189,801, 2–21–61, Cl. D62—4.
Breidert, George M. Roof ventilator. 190,144, 4–18–61, Cl. D62—3.
Breneman, Joseph C., to Rubbermaid Inc. Stove mat or similar article. 189,569, 1–10–61, Cl. D9—6.
Breneman, Joseph C., to Rubbermaid Inc. Bath mat or similar article. 190,363, 5–23–61, Cl. D9—6.
Breneman, Joseph C., to Rubbermaid Inc. Stove table mat or similar article. 191,900, 12–12–61, Cl. D9—6.
Breneman, Joseph C., to Rubbermaid Inc. Bath mat or similar article. 191,901, 12–12–61, Cl. D9—6.
Brennan, Frederick S., to Textron Inc. Unitary motor boat deck. 191,383, 9–19–61, Cl. D71—1.
Breshears, Willis L. Electric foot vibrator and vibratory seat combination. 190,110, 4–11–61, Cl. D83—1.
Brettrager, Henry J., and J. F. McDonald. Combined cultivating and seeding trailer. 190,432, 5–30–61, Cl. D35—2.
Brewer, Frederic T. C. Drug cart. 190,902, 7–18–61, Cl. D14—3.
Briggs, MacLean W., to The Advance Furnace Co. Dual audio-education desk. 189,919, 3–21–61, Cl. D33—7.
Briggs, Stephen H., to General Controls Co. Thermostat. 191,955, 12–19–61, Cl. D52—7.
Briggs & Stratton Corp.: *See*—
Lechtenberg, Leo J. 191,806.
Brinkman, Georges F., and A. Games, to "Cona" Ltd. Coffee maker. 190,247, 5–2–61, Cl. D44—26.
Bristol-Myers Co.: *See*—
Heintze, Walter T. 189,938.
Britt, Texine L. Cabinet or similar article. 190,958, 7–25–61, Cl. D33—19.
Brody, Philip M., and F. H. Rahr, to Wood Conversion Co. Acoustic tile or similar article. 189,847, 3–7–61, Cl. D18—2.
Brody, Philip M., and F. H. Rahr, to Wood Conversion Co. Acoustic tile or similar article. 190,174, 4–25–61, Cl. D18—2.
Brody, Philip M., and F. H. Rahr, to Wood Conversion Co. Acoustic tile or similar article. 190,574, 6–13–61, Cl. D18—2.
Brody, Philip M., and F. H. Rahr, to Wood Conversion Co. Tile or similar article. 191,514, 10–10–61, Cl. D18—2.
Brogdon, Harold F., to Automatic Music, Inc. Case for a portable laundry unit. 189,651, 1–24–61, Cl. D49—1.
Broido, Jacques, and P. Schmück. Motion picture camera or the like. 190,890, 7–11–61, Cl. D61—1.
Bromo Mint Co.: *See*—
Kuhn, James O. 191,055.
Brooks, Ben B. Combined cooler and bracketed support. 190,778, 6–27–61, Cl. D67—4.
Brosene, William G., Jr., to Big Four Industries, Inc. Screw cone or the like. 191,227, 8–29–61, Cl. D54—13.
Brown, Carl F., Jr., to Wald Industries, Inc. Optical sight unit. 189,630, 1–17–61, Cl. D57—1.
Brown, Le Roy O., to Colorado Oil and Gas Corp. Swimmer's depth gauge. 191,995, 12–26–61, Cl. D52—6.
Brown-Saltman Furniture Co.: *See*—
Caldwell, John W. 191,043.
Brown & Sharpe Mfg. Co.: *See*—
Soucy, George H. 189,933.
Brown, Wallace M., to Pacific Car and Foundry Co. Truck. 191,664, 10–31–61, Cl. D14—3.
Browne, Donald E.: *See*—
Sayger, Frank D., and Browne. 189,893.
Brownstein, Henry J., to Hysan Products Co. Room deodorant diffuser. 190,728, 6–27–61, Cl. D16—2.
Brozovich, William J. Game board. 191,313, 9–12–61, Cl. D34—5.
Bruce, Donald S., to Signal-Stat Corp. Guard for automotive vehicle lamps. 190,677, 6–20–61, Cl. D48—32.
Bruce, Donald S., to Signal-Stat Corp. Clearance lamp for commercial automotive vehicles. 191,629, 10–24–61, Cl. D48—32.
Bruce, Donald S., to Signal-Stat Corp. Vehicle lamp housing. 191,839, 11–28–61, Cl. D48—32.
Bruce, Donald S., and J. B. Dickson, to Signal-Stat Corp. Lens for vehicle marker lamp or the like. 191,409, 9–26–61, Cl. D48—32.
Bruce, Leo I., Jr., to General Time Corp. Clock. 190,824, 7–4–61, Cl. D42—7.
Bruce, Robert A. Cover for milk bottle carrier. 190,887, 7–11–61, Cl. D58—5.
Brunswick Corp.: *See*—
Reineman, Richard G., and Schaefer. 190,231.
Schaefer, George E. 191,742.
Schaefer, George E. 191,790.
Brunswick Sports Products Co.: *See*—
Swett, James B. 189,923.
Brush, Birchard M., to J. J. Monaghan Co., Inc. Infant respirator. 189,805, 2–21–61, Cl. D83—1.

Brush, Birchard M., to J. J. Monaghan Co., Inc. Respirator control valve casing. 190,267, 5–2–61, Cl. D83—1.
Bryant Electric Co., The: *See*—
Baxendell, Charles D. 191,047.
Swartwood, Gerald L. 191,826.
Buchanan Electrical Products Corp.: *See*—
Ustin, George. 191,635.
Buck, Willard E. Pressure gage for measuring fluid pressure or the like. 189,693, 1–31–61, Cl. D52—6.
Buckley, Nadja. Buckle. 190,646, 6–20–61, Cl. D17—1.
Buda, Salvatore, to Strapavac Corp. Vacuum cleaner. 189,841, 3–7–61, Cl. D9—2.
Buday, Eugene, to Stainless Food Equipment Co. Combined cooking appliance and display case. 191,024, 8–1–61, Cl. D81—10.
Buddy L Corp.: *See*—
Balthazor, Bernard E. 191,794.
Budke, Ernst, III: *See*—
Smith, Raymond A., and Budke. 189,992.
Buitoni Foods Corp.: *See*—
De Lancellotti, Edward. 191,863.
De Lancellotti, Edward. 191,864.
Bukolt, Victor J., Jr., to Lullabye Furniture Corp. Crib. 190,950, 7–25–61, Cl. D5—5.
Bukovey, Blodge A. Golf club head. 190,285, 5–9–61, Cl. D34—5.
Bullen, John A. Pressure stove. 190,153, 4–18–61, Cl. D81—10.
Bunker, David D. Stringed musical instrument. 189,765, 2–14–61, Cl. D56—1.
Burch, Daniel W., Jr., to Puritan Cordage Mills. Combined display and merchandising stand for water skis and accessories or the like. 191,689, 10–31–61, Cl. D80—10.
Burger Chef Systems, Inc.: *See*—
Thomas, Frank P. 190,547.
Burgess Vibrocrafters, Inc.: *See*—
Anderson, Douglas W. 190,061.
Burlin, James N., and H. Dreyfuss, to Bausch & Lomb Inc. Spotting telescope. 190,886, 7–11–61, Cl. D57—1.
Burlin, James N., and H. Dreyfuss, to Bausch & Lomb Inc. Reading glass. 191,141, 8–15–61, Cl. D57—1.
Burnbaum, Jack, ½ to A. L. Frank. Christmas tree ornament or similar article. 190,236, 5–2–61, Cl. D29—1.
Burnbaum, Jack, to Bradford Novelty Co., Inc. Christmas tree ornament. 190,913, 7–18–61, Cl. D29—1.
Burnham, Robert J. Clip for a writing instrument. 190,538, 6–6–61, Cl. D74—2.
Burnham, Robert J. Ball point pen. 191,185, 8–22–61, Cl. D74—17.
Burroughs, Louis R., to Electro-Voice, Inc. Microphone. 189,720, 2–7–61, Cl. D26—14.
Burroughs Mfg. Corp.: *See*—
Becker, Wayne M. 190,733.
Burton, Robert O. Vacuum bottle. 189,939, 3–21–61, Cl. D58—11.
Buschbom, Floyd E. Impeller hammer for silo unloader or the like. 191,375, 9–19–61, Cl. D55—1.
Buschbom, Floyd E. Impeller hammer for a silo unloader or the like. 191,376, 9–19–61, Cl. D55—1.
Butler, Arnold J., and A. M. Davis, to International Business Machines Corp. Cartridge for record tape. 190,029, 4–4–61, Cl. D26—14.
Butler, Thomas C., to The Black and Decker Mfg. Co. Portable electric drill. 191,596, 10–17–61, Cl. D54—14.
Buzzitta, Giacomo J., to Stow & Davis Furniture Co. Desk. 189,879, 3–14–61, Cl. D33—7.
Byrn, James H., H. E. Rolfe, Jr., and G. Houtz, to Evans Products Co. Velocipede. 191,586, 10–17–61, Cl. D34—15.
C & M Mfg. Co.: *See*—
McCreery, Albert J. 191,070.
Cabanban, Severion J. Whirling toy. 191,456, 10–3–61, Cl. D34—15.
Cadaret, Robert A., to General Motors Corp. Wheel cover. 191,261, 9–5–61, Cl. D14—30.
Cadaret, Robert A., to General Motors Corp. Wheel cover. 191,446, 10–3–61, Cl. D14—30.
Caddell, William C. Flatiron holder. 191,007, 8–1–61, Cl. D49—6.
Cafiero, Stephen C. Ornamental religious sign. 191,492, 10–10–61, Cl. D1—12.
Caldwell, John W., to Brown-Saltman Furniture Co. Chair. 191,043, 8–8–61, Cl. D15—1.
Caldwell, Otis F. Game board. 189,646, 1–24–61, Cl. D34—5.
Calfee, Virgil T., 1% to T. D. Copeland, Jr. Set of game pieces. 191,316, 9–12–61, Cl. D34—5.
Calumet Steel Castings Corp.: *See*—
Jleba, Walter F., and Wilson. 191,276.
Calvert, Rodney K., and C. B. Graham, Jr., to Lockheed Aircraft Corp. Scaffold for use with aircraft or the like. 191,703, 11–7–61, Cl. D14—3.
Cameron, David G. Lighting fixture globe. 190,135, 4–18–61, Cl. D48—16.
Cameron, David G. Lighting fixture globe. 190,193, 4–25–61, Cl. D48—16.
Cameron, Warren B. S. Combined traverse rod and carriers. 190,808, 7–4–61, Cl. D21—1.
Cameron, Warren B. S., to Kenney Mfg. Co. Curtain rod. 191,745, 11–14–61, Cl. D21—6.
Caminker, Bernard, and N. Leichter, to Ajax Hardware Mfg. Corp. Drawer pull. 191,500, 10–10–61, Cl. D10—8.
Caminker, Bernard, and N. Leichter, to Ajax Hardware Mfg. Corp. Drawer pull. 191,501, 10–10–61, Cl. D10—8.
Camp, S. H., & Co.: *See*—
Sheldon, Alma I. 190,375.
Sheldon, Alma I. 190,575.
Campbell, Hugh L., III, and E. A. Smart, to General Electric Co. Portable grill. 190,609, 6–13–61, Cl. D81—10.
Campbell, Jeremiah L. Full length corner cabinet. 190,816, 7–4–61, Cl. D33—19.
Campbell, Laurie J.: *See*—
Baxter, Ellsworth H., Merl, and Campbell. 190,114.
Canazzi, Henry D. Boat hull. 191,807, 11–21–61, Cl. D71—1.
Candib, William, to Electro Medical Research Associates. Cardio-axiograph instrument. 191,563, 10–10–61, Cl. D83—1.
Cannon Electric Co.: *See*—
Dean, Gordon W. 190,425.
Cannon, Harold A. Traffic marker for highways, or the like. 189,658, 1–24–61, Cl. D72—3.
Cannon, Thomas G., to Automatic Electric Laboratories, Inc. Telephone base. 189,580, 1–10–61, Cl. D26—14.
Card, David C., Jr.: *See*—
Card, Rebecca Y., and D. C. Card, Jr. 190,086.
Card, Rebecca Y., and D. C. Card, Jr. Game scoring card. 190,086, 4–11–61, Cl. D34—15.
Carduner, Leonard, to Wharfedable Audio Products, Inc. Loud speakers baffle. 190,426, 5–30–61, Cl. D26—14.
Carlton, William C. Shuttlecock. 189,920, 3–21–61, Cl. D34—5.
Carmichael, Walter C., to American Optical Co. Spectacle frame or the like. 191,541, 10–10–61, Cl. D57—1.
Carothers, Harold N. Fishing rod holder. 190,330, 5–16–61, Cl. D31—4.
Carpenter, Herbert R., to Dominion Electric Corp. Hair dryer. 190,788, 6–27–61, Cl. D86—10.
Carpenter, Herman B.: *See*—
Whitener, Loyd A., Jr., and Carpenter. 189,846.
Carpenter, Staley A., to The B. F. Goodrich Co. Embossed plastic sheet material. 189,606, 1–10–61, Cl. D87—3.
Carpenter, Staley A., to The B. F. Goodrich Co. Embossed plastic sheet material. 189,775, 2–14–61, Cl. D87—3.
Carr, Leslie T.: *See*—
Clerkin, James J., Jr., and Carr. 189,750.
Carroll, Alfred J., and T. H. Chamberlin. Tissue capsule for holding paraffined pathological tissue specimens while the paraffin hardens. 190,027, 4–4–61, Cl. D16—1.
Carroll, Lawrence K., J. H. Messinger, and C. D. Whitcomb. Combined spoon, spatula and blender. 190,513, 6–6–61, Cl. D44—29.
Carroll, William A.; 50% to The Lorac Co., Inc., and 50% to Riviera Trading Corp. Barrette finding. 191,651, 10–24–61, Cl. D86—10.
Carrols Drive-In System, Inc.: *See*—
Schwartz, Milton. 191,099.
Carruthers, Earl C. Corn kernel remover. 190,337, 5–16–61, Cl. D44—29.
Carter, Charles W., W. E. Woodson, C. Slyder, Jr., and C. L. McKee, to General Dynamics Corp. Missile launcher. 191,872, 12–5–61, Cl. D30—1.
Carter, Charlie F.: *See*—
Carter, William W. and C. F. 191,881.
Carter, Denis M., to Idealware, Inc. Shoeshine stand. 191,095, 8–15–61, Cl. D9—2.
Carter, Kenneth. Tablet. 190,729, 6–27–61, Cl. D16—3.
Carter, Ronald D., to Joseph Gillott & Sons Ltd. Furniture caster. 191,098, 8–15–61, Cl. D10—6.
Carter, William W. and C. F. Vending machine for dispensing cigarettes, candy or the like. 191,881, 12–5–61, Cl. D52—3.
Carter's Ink Co., The: *See*—
Vuillemenot, Robert P. 189,896.
Casavant, Albert H. Instrument carrier. 190,072, 4–11–61, Cl. D3—4.
Case, J. I., Co.: *See*—
Weiss, Webster J., and Bergemann. 190,634.
Casement Hardware Co., The: *See*—
Spencer, Charles E. 191,349.
Cass Mfg. Co., Inc.: *See*—
Waddell, David E. 190,237.
Casselman, Robert C., and M. K. Stoller, to Polaroid Corp. Carrying case. 189,868, 3–7–61, Cl. D87—5.
Castorani, Francesco P., to Quaker Lace Co. Tablecloth. 191,256, 8–29–61, Cl. D92—26.
Cella, Richard T. Airplane. 191,930, 12–12–61, Cl. D71—1.
Celotex Corp., The: *See*—
Allen, Charles W., Jr. 190,647.
De Leon, Sharon. 191,203.
Jones, William R., and Albert. 191,744.
Central Brass Mfg. Co., The: *See*—
Kawolics, Raymond P. 191,191.
Century Brewery Corp.: *See*—
Conklin, Earl L. 190,303.
Cerrito, John A. Jewelry finding. 190,190, 4–25–61, Cl. D45—19.
Cerrito, John A. Jewelry finding. 190,191, 4–25–61, Cl. D45—19.
Cesareo, Leo. Display food carton. 191,145, 8–15–61, Cl. D58—12.
Chabre, Pierre L., and C. D. Mohr, to Utility Appliance Corp. Range, or similar article. 191,560, 10–10–61, Cl. D81—4.
Chain Belt Co.: *See*—
Lendved, John W., Rosseau, and Rhoades. 191,100.
Chalcroft, Charles P. Game board. 190,239, 5–2–61, Cl. D34—5.

Challenge-Cook Bros. Inc.: *See*—
Prichard, Evan S. 190,854.
Chamberlain, Lawrence J. Combined scraper and brush for golf accessories. 191,498, 10–10–61, Cl. D9—2.
Chamberlin, Theodore H.: *See*—
Carroll, Alfred J., and Chamberlin. 190,027.
Champion Cooler Corp.: *See*—
Wessels, John G. 191,687.
Chapman, Dave, and R. C. Le Suer, to Scovill Mfg. Co. Food mixer power unit. 189,680, 1–31–61, Cl. D44—1.
Chapman, Frederick D., to The Murray Corp. of America. Handle for faucets or the like. 189,712, 1–31–61, Cl. D91—3.
Chapman, Frederick D., to The Murray Corp. of America. Faucet fitting. 189,806, 2–21–61, Cl. D91—3.
Chapman, Frederick D., to The Murray Corp. of America. Faucet fitting. 189,836, 2–28–61, Cl. D91—3.
Chapman, Frederick D., to The Murray Corp. of America. Drain control fixture. 190,897, 7–11–61, Cl. D91—3.
Chapman, Frederick D., to The Murray Corp. of America. Water closet. 191,160, 8–22–61, Cl. D4—5.
Chapman, Frederick D., to The Murray Corp. of America. Faucet fitting. 191,295, 9–5–61, Cl. D91—3.
Chapman, Frederick D., to The Murray Corp. of America. Cabinet top lavatory. 191,432, 10–3–61, Cl. D4—2.
Chapman, Frederick D., to The Murray Corp. of America. Water closet. 191,697, 11–7–61, Cl. D4—5.
Chapman, Romaine C., to Scovill Mfg. Co. Hand tool for attaching snap fasteners. 191,846, 11–28–61, Cl. D54—10.
Chappell, William A.: *See*—
Scott, Robert J., Chappell, and Grant. 190,489.
Charak Furniture Co.: *See*—
Deskey, Donald. 190,805.
Charles, Andrew J. Trailer. 190,417, 5–30–61, Cl. D14—3.
Charnota, Steven, and A. F. Wolf. Water metering valve for lawn sprinklers. 191,294, 9–5–61, Cl. D91—3.
Chart-Pak, Inc.: *See*—
Bertschinger, Charles F., Crook, and Gold. 191,015.
Chase, David O., to R. E. Dietz Co. Emergency warning light for automotive vehicles. 191,681, 10–31–61, Cl. D48—32.
Chase, David O., and P. H. Stevens, to Smith-Corona Marchant Inc. Typewriter carriage. 190,693, 6–20–61, Cl. D64—11.
Chase, David O., and P. H. Stevens, to Smith-Corona Marchant Inc. Typewriter. 191,724, 11–7–61, Cl. D64—11.
Chase, David O., and P. H. Stevens, to Smith-Corona Marchant Inc. Data processing input-output device. 191,967, 12–19–61, Cl. D64—11.
Chase, David O., and P. H. Stevens, to Smith-Corona Marchant Inc. Typewriter. 191,997, 12–26–61, Cl. D64—11.
Chase, John T.: *See*—
Noga, William, and Chase. 190,138.
Chervenka, George R. Overbed table. 190,082, 4–11–61, Cl. D33—14.
Chesley, Robert G. Display stand for retail merchandise. 190,353, 5–16–61, Cl. D80—10.
Chess, Mary, Inc.: *See*—
Danilek, Joseph A. 190,151.
Chiarello, Sesto I., to Packard Bell Electronics Corp. Transportable television unit. 190,766, 6–27–61, Cl. D56—4.
Chicago Aerial Industries, Inc.: *See*—
Elliott, Eugene W. 191,017.
Chicago Bridge & Iron Co.: *See*—
Miller, Clarence D., and Pirok. 190,464.
Chicago Pneumatic Tool Co.: *See*—
Fischer, Howard R., Marcantonio, and D'Haem. 191,848.
Chlop, Ruth M. Combination container for puzzle pieces and puzzle board. 190,253, 5–2–61, Cl. D58—13.
Christensen, Max C., to Ford Motor Co. Fertilizer hopper lid. 191,755, 11–14–61, Cl. D35—2.
Christensen, Norman V. Hair trimmer. 190,580, 6–13–61, Cl. D22—5.
Christenson, Trace S., Jr., and H. B. Barber, to Peabody Seating Co., Inc. Tablet arm chair. 190,588, 6–13–61, Cl. D33—11.
Christian, John K. Accelerator pedal. 191,980, 12–26–61, Cl. D14—6.
Christoffersen, Kurt E., to Artistic Wire Products Co. of Conn., Inc. Storage rack. 189,982, 3–28–61, Cl. D44—29.
Christoffersen, Kurt E., to Artistic Wire Products Co. of Conn., Inc. Storage rack. 190,044, 4–4–61, Cl. D44—29.
Christoffersen, Kurt E., to The Artistic Wire Products Co., of Conn., Inc. Holder for a carafe or the like. 190,205, 4–25–61, Cl. D58—26.
Christophersen, Ralph C. Dish rack. 191,796, 11–21–61, Cl. D44—29.
Chrysler Corp.: *See*—
Bertsch, Thomas R. 191,902.
De Kam, Cornelius T., Jr. 191,200.
Exner, Virgil M. 190,563.
Huggins, James A. 189,525.
Kornmiller, Allan E. 190,119.
Macadam, Richard G. 189,987.
Macadam, Richard G. 189,930.
Mashigan, Charles. 190,171.
Niksa, Alfred E., and Pinchuk. 190,321.
Reid, Donald J., and Schwarz. 189,909.
Reynolds, Frederick. 190,372.
Reynolds, Frederick, and Pratt. 190,116.
Reynolds, Frederick, and Pratt. 190,228.
Roberts, Arthur J. 190,370.
Schimmelpfennig, Fred J., and Robinson. 190,371.
Schwarz, John E. 189,532.
Chrysler Corp.: *See*—Continued
Schwarz, John E. 190,727.
Siebert, Robert C. 189,531.
Voss, Clifford C., and Williams. 189,650.
Ciba Pharmaceutical Products, Inc.: *See*—
Lazor, Thomas E. 191,851.
Cicco, Joseph A. Restaurant. 191,198, 8–29–61, Cl. D13—1.
Ciri, Marino. Watch case. 190,507, 6–6–61, Cl. D42—8.
Ciri, Marino. Watch case. 190,508, 6–6–61, Cl. D42—8.
Ciri, Marino. Watch case. 190,592, 6–13–61, Cl. D42—8.
Citles Service Research and Development Co.: *See*—
Dreyfuss, Henry, and Everett. 190,471.
Clairol Inc.: *See*—
Mangini, John. 190,101.
Clark, David A., to Clark Mfg. Co. Combined cap and flexible bottle for dispensing lubricants or the like. 190,531, 6–6–61, Cl. D58—17.
Clark, Douglas E., and L. S. Tilghman, Jr. Boat paddle. 191,890, 12–5–61, Cl. D71—1.
Clark, Earle W., to Erinco Products. Ash tray. 191,896, 12–5–61, Cl. D85—2.
Clark, Joseph C. Fishing reel. 190,080, 4–11–61, Cl. D31—4.
Clark Mfg. Co.: *See*—
Clark, David A. 190,531.
Clark, Stevenson P. Novelty chest or similar article. 191,167, 8–22–61, Cl. D33—6.
Clark, Stevenson P. Novelty chest or similar article. 191,168, 8–22–61, Cl. D33—6.
Clark, Stevenson P. Novelty chest or similar article. 191,169, 8–22–61, Cl. D33—6.
Clark, Thelma W., and F. W. Kautzman. Book holder. 189,753, 2–14–61, Cl. D33—3.
Clarke Floor Machine Co.: *See*—
Petersen, William L. 190,112.
Clarke, George C., to Sears, Roebuck and Co. Cooking range. 189,804, 2–21–61, Cl. D81—4.
Clasen, Joachim: *See*—
Ahrens, Hermann, and Clasen. 189,745.
Claus, Manfred: *See*—
Hennig, Walter, and Claus. 191,331.
Clayton, La Verne E., to Amerock Corp. Pull. 189,526, 1–3–61, Cl. D10—8.
Clayton, La Verne E. Pull. 190,076, 4–11–61, Cl. D—8.
Clayton, La Verne E., to Amerock Corp. Pull. 190,469, 6–6–61, Cl. D10—8.
Clayton, La Verne E., to Amerock Corp. Escutcheon plate. 191,594, 10–17–61, Cl. D50—6.
Clayton, La Verne E., to Amerock Corp. Pull. 191,866, 12–5–61, Cl. D10—8.
Clayton, Stanley J. Tooth-brush holder. 189,567, 1–10–61, Cl. D4—3.
Clement, Theodore G., to Eastman Kodak Co. Microfilmer. 190,936, 7–18–61, Cl. D61—1.
Cleminshaw, Douglas R., D. L. Du Sell, and A. J. Pulos. Combined searchlight and rear view mirror. 189,844, 3–7–61, Cl. D14—6.
Clemmer, Richard R.: *See*—
Lucken, John M., and Clemmer. 190,940.
Clerkin, James J., Jr., and L. T. Carr, to Comptometer Corp. Dictating machine. 189,750, 2–14–61, Cl. D26—14.
Cline, Nathan R. Combined marking pen and well or similar article. 190,700, 6–20–61, Cl. D74—1.
Clink, Oscar M. Fishing reel mount for a fishing rod handle. 191,985, 12–26–61, Cl. D31—4.
Clohesy, Glenn M. Helmet. 190,220, 5–2–61, Cl. D3—13.
Clorox, Co., The: *See*—
Alvey, Charles R. 190,771.
Clow, Donald J. Combination boat and camping trailer. 189,719, 2–7–61, Cl. D14—3.
Cobbs, Henry. Merchandising display stand. 190,704, 6–20–61, Cl. D80—9.
Coca-Cola Co., The: *See*—
Hodgman, Clare E. 190,882.
Hodgman, Clare E. 190,927.
Hodgman, Clare E. 191,008.
Hodgman, Clare E. 191,655.
Hodgman, Clare E. 191,953.
Cohen, Harvey G., and H. A. Shorfway, to Congoleum-Nairn Inc. Hard surface floor covering or similar article. 190,860, 5–16–61, Cl. D92—17.
Cohen, Oscar. Bowling ball carrier bag insert or similar article. 191,604, 10–17–61, Cl. D87—5.
Cohen, Zvi. Display stand for shoe advertising cards or the like. 191,081, 8–8–61, Cl. D80—9.
Cohn, Sidney. Boot. 190,718, 6–27–61, Cl. D7—7.
Cole, Edwin I., to The Stiffel Co. Base for table lamps. 189,691, 1–31–61, Cl. D48—20.
Cole, Frank E., to Essex Plastic Machinery Co. Combined rotatable die and mobile mount. 191,996, 12–26–61, Cl. D54—8.
Cole Products Corp.: *See*—
Mortara, Holy. 189,989.
Cole, Seymour M., and P. I. Dale, to Feldco, Inc. Zippered ring binder. 189,809, 2–28–61, Cl. D6—2.
Cole, Seymour M., and P. I. Dale. Notebook cover. 191,030, 8–8–61, Cl. D6—2.
Cole, Seymour M., and P. I. Dale, to Feldco, Inc. Ring binder. 191,257, 9–5–61, Cl. D6—2.
Coleman, Elizabeth H.: *See*—
Morsell, Sally B., and Coleman. 190,586.

Colgate-Palmolive Co.: *See*—
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Douglas, Livingston C., and Koenigsberg. 190,686.
Koenigsberg, Victor. 190,058.
Koenigsberg, Victor. 190,889.
Collins, Lawrence R.: *See*—
Munz, Robert E., and Collins. 190,453.
Collins, Lawrence R., and R. E. Munz, to General Electric Co. Refrigerator cabinet or similar article. 190,777, 6–27–61, Cl. D67—3.
Collins, Leonard M., to Pressure Dispensers, Inc. Dispensing cap. 191,183, 8–22–61, Cl. D58—26.
Colombi, Hugo. Building block. 190,807, 7–4–61, Cl. D18—2.
Colorado Oil and Gas Corp.: *See*—
Brown, Le Roy O. 191,995.
Colson, U. O., Co.: *See*—
Jones, Walter L. 190,261.
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Combs, Clyde M. Combined storage and dispensing rack for canned goods or the like. 189,737, 2–7–61, Cl. D80—9.
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Cowan, Murray L., to Speidel Corp. Expansible link chain for a bracelet or similar article. 191,061, 8–8–61, Cl. D45—4.
Cowan, Murray L., to Speidel Corp. Expansible link chain for a bracelet or similar article. 191,916, 12–12–61, Cl. D45—4.
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Cox, Austin E., and W. McMillan, to A. G. Spalding & Bros., Inc. Grip for golf clubs. 189,853, 3–7–61, Cl. D34—5.
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Crane, Walton B., to Allied Plastics Co. Basket for berries or the like. 189,995, 3–28–61, Cl. D58—4.
Crease, Pierre L., to Dominion Electric Corp. Portable oven or the like. 191,602, 10–17–61, Cl. D81—10.
Cretin Maitenaz, Bernard, to Societe en Commandite Simple et en Nom Collectif a l'egard des Gerants dite: Societe Industrielle & Commerciale des Ouvriers Lunetiers (Cottet, Poithet Tagnon & Cie). Pair of spectacles. 191,014, 8–1–61, Cl. D57—1.
Cripe, Alan R., to Tomlinson Industries, Inc. Faucet. 189,636, 1–24–61, Cl. D2—3.
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Cunningham, Earl C., Jr., to Macbeth Arc Lamp Co. Printing lamp or the like. 189,726, 2–7–61, Cl. D48—20.
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Currie, William, and H. A. Shortway, to Congoleum-Nairn Inc. Hard surface floor covering or similar article. 189,807, 2–21–61, Cl. D92—17.
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Davis, Richard H. Drip cup for an umbrella or the like. 190,615, 6–13–61, Cl. D88—3.
Davis, Robert E., to General Motors Corp. Ice tray. 191,552, 10–10–61, Cl. D67—3.
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De Lancellotti, Edward, to Buitoni Foods Corp. Macaroni. 191,864, 12–5–61, Cl. D8—1.
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Denker, Roy S., to Schlage Lock Co. Combined escutcheon plate and doorknob. 191,631, 10–24–61, Cl. D50—3.
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Deschamps, Robert L., to Shure Brothers, Inc. Microphone. 190,864, 7–11–61, Cl. D26—14.
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Doman, Donald W., to The Parker Pen Co. Writing instrument desk set base. 190,842, 7–4–61, Cl. D74—1.
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Downing, Verlan L. Stringed musical instrument. 189,993, 3–28–61, Cl. D56—1.
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Dreyfuss, Henry to American Machine & Foundry Co. Combination bowling ball rack and score table. 189,537, 1–3–61, Cl. D34—5.
Dreyfuss, Henry, to American Machine & Foundry Co. Bowling ball storage rack. 189,538, 1–3–61, Cl. D34—5.
Dreyfuss, Henry, to Minneapolis-Honeywell Regulator Co. Combined space condition control and weather indicating instrument. 189,889, 3–14–61, Cl. D52—7.
Dreyfuss, Henry, and J. G. Everett, to Cities Service Research and Development Co. Commercial building. 190,471, 6–6–61, Cl. D13—1.
Dreyfuss, Henry, and R. H. Hose, to Bell Telephone Laboratories, Inc. Telephone handset. 190,810, 7–4–61, Cl. D26—14.
Dreyfuss, Henry, D. Genaro, and D. H. King, to Bell Telephone Laboratories, Inc. Telephone booth. 191,392, 9–26–61, Cl. D13—1.
Dreyfuss, Henry, W. F. H. Purcell, and J. M. Conner, to Deere & Co. Combined hood and grille for a tractor and the like. 191,663, 10–31–61, Cl. D14—3.
Drion, Joseph W. Sheet metal fastener. 191,884, 12–5–61, Cl. 54—10.
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Ducommun, Georges, to Baumgartner Freres S.A. Table-clock. 191,461, 10–3–61, Cl. D42—7.
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Ebstein, John W., to Federal Enameling & Stamping Co. Vegetable bin. 189,927, 3–21–61, Cl. D44—1.
Ebstein, John W., to Federal Enameling & Stamping Co. Dutch oven. 191,835, 11–28–61, Cl. D44—1.
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Eickmeyer, Otto R., and C. J. Pitt. Educational device. 190,492, 6–6–61, Cl. D25—1.
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Fournillier, Henri. Surf board. 189,708, 1–31–61, Cl. D71—1.
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Franck, Kurt, to Holophane Co., Inc. Transparent supporting channel for lighting fixture panels. 190,018, 4–4–61, Cl. D13—1.
Franck, Kurt, to Holophane Co., Inc. Lens. 190,192, 4–25–61, Cl. D48—16.
Franck, Kurt, to Holophane Co., Inc. Lens for lighting fixture. 191,718, 11–7–61, Cl. D48—16.
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Frantz, Frederick H., and J. W. Bravo, to General Aniline & Film Corp. Photocopying apparatus. 190,346, 5–16–61, Cl. D61—1.
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Freedman, Robert N., to Vogue Electronic & Appliance Corp. Electric can opener. 191,580, 10–17–61, Cl. D22—2.
Freeman, David A. Finishing machine for laundry or the like. 189,988, 3–28–61, Cl. D49—1.
Fregeau, Emile H. Automobile headlight anti-blinding lens. 189,589, 1–10–61, Cl. D48—32.
Freimann, Frank M., and C. L. Welbaum, to The Magnavox Co. Combined phonograph, radio and television cabinet. 191,639, 10–24–61, Cl. D56—4.
French, Elby. Sectional repair vulcanizer for tires. 191,472, 10–3–61, Cl. D55—1.
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Frost, George H., to Westinghouse Electric Corp. Frankfurter cooker. 191,025, 8–1–61, Cl. D81—10.
Fruh, Arthur W. Combined signal control panel and box. 190,994, 8–1–61, Cl. D26—13.
Fry, Dudley A. Boat. 191,020, 8–1–61, Cl. D71—1.
Fuchs, Günter. Mechanical pencil. 190,980, 7–25–61, Cl. D74—17.
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Fuchs, Gunter, to A. W. Faber-Castell. Mechanical pencil. 191,342, 9–12–61, Cl. D74—24.
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Fuerst, Brooks D., to Owens-Illinois Glass Co. Bottle. 190,687, 6–20–61, Cl. D58—8.
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Gehrie, Charles S., to Presto Lock Co. Luggage lock or similar article. 191,720, 11–7–61, Cl. D50—7.
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Graubner, Herman G., to Union Carbide Corp. Flashlight switch. 190,673, 6–20–61, Cl. D48—24.

Gray, Guy L.: *See*—
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Lacek, John A. 190,165.

Green, Lucille E. Manicure table. 190,183, 4–25–61, Cl. D33—14.

Greenberg, Leonard E., to The Connecticut Leather Co. Toboggan. 191,832, 11–28–61, Cl. D34—15.

Greenwald, Frances A., ⅛ to R. J. Patch. Novelty hat. 190,111, 4–18–61, Cl. D3—13.

Gregory, James W. Wheeled trapeze bar. 191,615, 10–24–61, Cl. D34—5.

Gresens, Robert I.: *See*—
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Grevengoed, Paul H. Key for a door lock. 189,761, 2–14–61, Cl. D50—4.

Grey, Edward J., to King's-X, Inc. Building. 191,503, 10–10–61, Cl. D13—1.

Griffin, Jerrell J., to Jet Hand Dryer, Inc. Hand dryer or the like. 191,819, 11–28–61, Cl. D4—3.

Griffitts, Henry V., to McCaffrey-Ruddock Tagline Corp. Cable guide. 190,444, 5–30–61, Cl. D54—11.

Griffitts, Henry V., to McCaffrey-Ruddock Tagline Corp. Cable guide. 190,445, 5–30–61, Cl. D54—11.

Grimm, Jean: *See*—
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Hanson, Eric P. 191,346.

Griparis, Andrew G. Combined signal light and water ski tow hitch. 191,074, 8–8–61, Cl. D71—1.

Griparis, Andrew G. Combined signal light and tow hitch for boats. 191,336, 9–12–61, Cl. D71—1.

Griswold, Raymond A. Fish lure. 191,208, 8–29–61, Cl. D31—4.

Groh, Phillip E., Jr.: *See*—
Radcliff, Alan L., and Groh. 190,988.

Groove, Marvin H. Multiple completion valve. 190,607, 6–13–61, Cl. D78—1.

Groseclose, John K., to Dresser Industries, Inc. Observation tower or similar article. 191,301, 9–12–61, Cl. D13—1.

Gross, Simon. Fluorescent lamp fixture. 191,062, 8–8–61, Cl. D48—23.

Gross, William M., and W. R. Danien, to Nannette Mfg. Co., Inc. Clothes hanger. 190,308, 5–9–61, Cl. D80—8.

Grosskopf, John A., to Scroll, Inc. Chair. 191,305, 9–12–61, Cl. D15—1.

Grosskopf, John A., to Scroll, Inc. Ottoman. 191,306, 9–12–61, Cl. D15—8.

Grossman, Jerome H., to Old Town Shoe Co. Slipper. 190,900, 7–18–61, Cl. D7—7.

Grosso, Raymond A., to Sylvania Electric Products Inc. Camera. 191,600, 10–17–61, Cl. D61—1.

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Koons, Sidne. 190,551.

Grove, Marvin H. Gate valve body or similar article. 191,933, 12–12–61, Cl. D78—1.

Grundig, Max: *See*—
Huebner, Heinz. 191,402.
Huebner, Heinz. 191,582.

Gruner, Frederick R., to Purolator Products, Inc. Liquid filter. 190,338, 5–16–61, Cl. D46—1.

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Rawson, Paul O., Jr., Grunwald, and Gresens. 191,152.
Rawson, Paul O., Jr., and Grunwald. 191,154.

Guccioni, Giacinto. Boat horn. 191,968, 12–19–61, Cl. D72—1.

Guertin, Emile H.: *See*—
Guertin, Valmore and E. H. 189,928.

Guertin, Valmore and E. H. Finger ring. 189,928, 3–21–61, Cl. D45—10.

Guice, John W., to Sunshine Metal Products Co., Inc. Combined picnic table and seat unit. 190,744, 6–27–61, Cl. D33—14.

Guild, Lurelle V. A., and J. J. Kowalewski, to Electrolux Corp. Vacuum cleaner nozzle or similar article. 189,778, 2–21–61, Cl. D9—2.

Guilford, Donald J. Merchandise display cabinet. 190,460, 5–30–61, Cl. D80—11.

Guinan, Leo D. Food vending stand or the like. 191,035, 8–8–61, Cl. D13—1.

Gulick, Ronald A.: *See*—
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Anderson, Clifford E., Eckert, and Gulick. 190,351.

Gunderson, Arthur M. Golfer's tool. 190,333, 5–16–61, Cl. D9—2.

Gurr, Robert H., to Disneyland, Inc. Amusement ride car. 189,582, 1–10–61, Cl. D34—15.

Gusdorf, Walter. Combined stand and shelf for television receivers. 191,311, 9–12–61, Cl. D33—14.

Gusdorf, Walter. Combined cart and shelf for television receivers. 191,312, 9–12–61, Cl. D33—14.

Hackathorn, George H., ½ to D. F. McConnell. Household rack for holding shoes. 190,352, 5–16–61, Cl. D33—3.

Hackett, Theodore N.: *See*—
Schwartz, Daniel M., and Hackett. 190,803.

Hackney, James K., Jr., to Ampex Corp. Magnetic tape apparatus. 190,866, 7–11–61, Cl. D26—14.

Haga, Henry G., to General Motors Corp. Wheel cover. 190,169, 4–25–61, Cl. D14—30.

Haga, Henry G., to General Motors Corp. Wheel cover. 190,170, 4–25–61, Cl. D14—30.

Haga, Henry G., and B. N. Smith, to General Motors Corp. Wheel cover. 191,353, 9–19–61, Cl. D14—130.

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Hale, Thomas K., and N. E. Roe, to Ekco Products Co. Combined handle and latch actuating unit. 191,920, 12–12–61, Cl. D50—7.

Hale, Thomas K., and N. E. Roe, to Ekco Products Co. Combined handle and latch actuating unit. 191,921, 12–12–61, Cl. D50—7.

Halio, Moses. Belt. 191,572, 10–17–61, Cl. D3—10.

Hall, C. M., Lamp Co.: *See*—
Stortz, Robert K. 190,025.
Stortz, Robert K. 190,726.
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Hall, Harry R. Baby's walker. 189,748, 2–14–61, Cl. D15—1.
Hall, Hugh J.: *See*—
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Hall, Hugh J., to Varian Associates. Combined electromagnet and housing therefor. 191,398, 9–26–61, Cl. D26—1.
Hall, William B., and E. F. Thomson, to Shampaine Co. Physician's examining chair. 191,775, 11–14–61, Cl. D83—1.
Hallenbeck, Gordon R., E. K. Stewart, and H. C. Ward, Jr., to General Electric Co. Dynamoelectric machine. 190,584, 6–13–61, Cl. D26—5.
Hallmark Cards, Inc.: *See*—
Short, William L. 190,689.
Hallock, Edward C. Spacing unit for a grille. 191,282, 9–5–61, Cl. D54—2.
Hallock, Edward C. Grille. 191,633, 10–24–61, Cl. D54—2.
Hallock, Edward C. Spacing unit for a grille. 191,283, 9–5–61, Cl. D54—2.
Halm, Franz J., to Royal McBee Corp. Type font. 191,073, 8–8–61, Cl. D64—12.
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Kearney, Ralph E., and Haman. 191,018.
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Hamilton, Earl F. 190,062.
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Hamilton, Earl F., to Hamilton Cosco, Inc. Step stool. 189,575, 1–10–61, Cl. D15—8.
Hamilton, Earl F., to Hamilton Cosco, Inc. Infant's convertible car seat. 190,062, 4–4–61, Cl. D15—1.
Hamilton, Earl F., to Hamilton Cosco, Inc. Step stool. 190,905, 7–18–61, Cl. D15—8.
Hamilton, Earl F., to Hamilton Cosco, Inc. Step stool. 191,668, 10–31–61, Cl. D15—8.
Hamilton, Harry M. Telephone amplifier. 190,995, 8–1–61, Cl. D26—14.
Hamilton Web Co., Inc.: *See*—
Berlin, Nathan. 189,808.
Hamlett, Sidney J., to White Sewing Machine Corp. Sewing machine or similar article. 191,334, 9–12–61, Cl. D70—2.
Hamlett, Sidney J., to White Sewing Machine Corp. Sewing machine or similar article. 191,725, 11–7–61, Cl. D70—1.
Hammarstrom, Eric C., and C. R. Ballantyne, to Komline-Sanderson Engineering Corp. Plunger pump. 189,561, 1–3–61, Cl. D65—1.
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Hanert, John M. 189,552.
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Banda, Reuben J., and Storts. 191,210.
Handal, Victor B., & Bro., Inc.: *See*—
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Hanert, John M., to Hammond Organ Co. Control panel for an electric organ. 189,552, 1–3–61, Cl. D56—2.
Hanes Hosiery Mills Co.: *See*—
Sheek, Richard B. 189,690.
Hanger, Randolph T., and J. L. Phillips, to International Dynamics, Inc. Fireplace stove. 191,561, 10–10–61, Cl. D81—7.
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Hannas, Carl L. Roundabout. 191,054, 8–8–61, Cl. D34—5.
Hansen, Donald, Lamps: *See*—
Hansen, Donald W. 191,280.
Hansen, Donald W., to Donald Hansen Lamps. Lamp base or similar article. 191,280, 9–5–61, Cl. D48—20.
Hansen, Harold M., to American Can Co. Spoon attachment for a dispensing container. 191,387, 9–19–61, Cl. D83—12.
Hansen, Morten M., Jr. Golf club head. 190,035, 4–4–61, Cl. D34—5.
Hanson, Arnold E. Measuring scoop. 190,383, 5–23–61, Cl. D44—29.
Hanson, Eric P., to Grinnell Corp. Sprinkler for extinguishing fires. 191,346, 9–12–61, Cl. D91—1.
Hansson, Nils, to AB Penta. Combined propulsion and steering unit for a boat or the like. 191,021, 8–1–61, Cl. D71—1.
Hapman Conveyors, Inc.: *See*—
Larson, Charles R. 189,773.
Happe, Reynold, to The Singer Mfg. Co. Workshop dust collector or similar article. 189,743, 2–14–61, Cl. D9—2.
Haralson, Alfred C. Fireplace. 191,999, 12–26–61, Cl. D81—7.
Hardison, Manley K., to Dupli-Color Products Co., Inc. Spray valve head or similar article. 191,381, 9–19–61, Cl. D62—2.
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Harmes, Oren B., ½ to Ladish Co., Tri-Clover Division. Butt-welding apparatus. 189,915, 3–21–61, Cl. D26—1.
Harmes, Oren B., ½ to Ladish Co., Tri-Clover Division. Clamp for pipe welding or the like. 191,595, 10–17–61, Cl. D54—13.
Harmes, Oren B., J. H. Threlkeld, and D. A. Deal. Cleaning unit for automobiles. 190,074, 4–11–61, Cl. D9—2.
Harper, David. Shoe rack. 189,824, 2–28–61, Cl. D33—3.
Harper, David. Bookcase. 190,500, 6–6–61, Cl. D33—2.
Harper, Richard J., to Nakasako Industrial Co., Inc. Radio or similar article. 191,638, 10–24–61, Cl. D56—4.
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Harris, Julius. Safety clasp. 189,965, 3–28–61, Cl. D17—3.
Harris, Robert W., to A & W Mfg. Corp. Net fabric. 189,544, 1–3–61, Cl. D47—6.
Harris, Todd, to Bastian Bros. Co. Tap handle. 190,158, 4–25–61, Cl. D2—3.
Harris, William H., to Scovill Mfg. Co. Closure for a cosmetic container. 189,597, 1–10–61, Cl. D58—26.
Harrison, Charles, to Selchow & Righter Co. Game board. 190,661, 6–20–61, Cl. D34—5.
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Harrison, Edward W., and D. E. Payton, to General Electric Co. Combined backsplasher and control panel for an electric range or similar article. 190,354, 5–16–61, Cl. D81—25.
Hart, Frank J., to Jay Kay Metal Specialties. Electric can opener. 190,861, 7–11–61, Cl. D22—2.
Hart, George D., to Nutone, Inc. Wall heater. 191,562, 10–10–61, Cl. D81—10.
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Harwood, Milton G. and L. J. 190,382.
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Harwood, Richard J., to Exer-matic, Inc. Combined pedal and stirrup or similar article. 191,091, 8–8–61, Cl. D90—19.
Haslam, Greville B. L., to Oneida Ltd. Spoon or similar article. 191,226, 8–29–61, Cl. D54—12.
Hatch, Gordon, to Hatco Corp. Hot water heater. 189,563, 1–3–61, Cl. D81—2.
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Haubert, Wayne, to The Mexico Forge, Inc. Playground unit. 191,672, 10–31–61, Cl. D34—5.
Haubert, Wayne, to The Mexico Force, Inc. Playground climber. 191,749, 11–14–61, Cl. D34—5.
Hauser, Jon W., to McGraw-Edison Co. Radiant heater. 191,384, 9–19–61, Cl. D81—10.
Hauser, Jon W., to Elkay Mfg. Co. Combined sink and work center. 191,780, 11–21–61, Cl. D4—2.
Havens, James C. Cover for the bed of a pickup truck. 190,418, 5–30–61, Cl. D14—6.
Hawes, Herbert B.: *See*—
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Hawkinson, Earle W., to Paul E. Hawkinson Co. Tire. 191,778, 11–14–61, Cl. D90—20.
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Hawthorne, Kenneth B., and F. A. Maguire, to Johnson & Johnson. Combined merchandising and display stand for packaged pharmaceutical supplies or the like. 189,602, 1–10–61, Cl. D80—9.
Haygeman, Robert M. Shoe polish kit or similar article. 191,230, 8–29–61, Cl. D58—12.
Haynes, Ronald E., and H. J. Hall, to Varian Associates. Spectrometer console. 191,111, 8–15–61, Cl. D26—5.
Haywood, Jack W., to Modeline Co. of California, Inc. Illuminable room divider. 191,905, 12–12–61, Cl. D13—1.
Hazelquist, John L., to Traub Mfg. Co. Finger ring. 189,757, 2–14–61, Cl. D45—10.
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Heathman, Willie M. Combined book mark and nail file holder. 190,556, 6–13–61, Cl. D6—2.
Hecht, Charles W. Charcoal grill, or similar article. 191,970. 12–19–61, Cl. D81—10.
Hechtle, Emil, to Radiant Pen Corp. Pen. 190,702, 6–20–61, Cl. D74—17.
Heckman, Robert B., to Thomas Industries Inc. Lamp shade. 191,626, 10–24–61, Cl. D48—16.
Heckman, Robert B., to Thomas Industries Inc. Lamp shade. 191,627, 10–24–61, Cl. D48—16.
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Heilweil, Jerome P. Heated food display case. 190,783, 6–27–61, Cl. D80—11.
Heimsoth, Leonard. Stall pail. 190,532, 6–6–61, Cl. D58—17.
Heiniger, Daniel W., to Sears, Roebuck and Co. Portable power unit for garden tools. 190,665, 6–20–61, Cl. D35—2.

Heintze, Walter T., to Bristol-Myers Co. Bottle. 189,938, 3–21–61, Cl. D58—6.
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Hennig, Walter, to VEB Kamera- und Kinowerke Dresden. Camera. 191,235, 8–29–61, Cl. D61—1.
Hennig, Walter, and M. Claus, to VEB Kamera- und Kinowerke Dresden. Camera. 191,237, 8–29–61, Cl. D61—1.
Hennig, Walter, and M. Claus, to VEB Kamera- und Kinowerke Dresden. Photographic camera. 191,331, 9–12–61, Cl. D61—1.
Henning, Donald S., to Curtis Fluorescent Fixtures, Inc. Fluorescent lighting fixture. 191,880, 12–5–61, Cl. D48—23.
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Herman, Bernard, to Stardust, Inc. Lady's slip. 191,347, 9–19–61, Cl. D3—26.
Herrema, Peter M. Holder for a pair of spectacles, stationery articles or the like. 190,393, 5–23–61, Cl. D57—1.
Herrick, George D., Sr. Doughnut holder. 189,724, 2–7–61, Cl. D44—10.
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Hesse, Curt O., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,288, 9–5–61, Cl. D59—10.
Heuck, Hubert W. Meat patty mold. 191,367, 9–19–61, Cl. D44—1.
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Hibbard, Thomas L., to Kelsey-Hayes Co. Wheel. 190,642, 6–20–61, Cl. D14—30.
Hibbard, Thomas L., to Kelsey-Hayes Co. Wheel. 190,643, 6–20–61, Cl. D14—30.
Hibbard, Thomas L., to Kelsey-Hayes Co. Wheel. 190,644, 6–20–61, Cl. D14—30.
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Hirsch, Mahlon E., to Louis Marx & Co., Inc. Toy gun. 189,673, 1–31–61, Cl. D34—15.
Hirsch, Mahlon E., to Louis Marx & Co., Inc. Toy gun. 189,925, 3–21–61, Cl. D34—15.
Hirsch, Richard R. Combined radio and penholder. 190,202, 4–25–61, Cl. D56—4.
Hirschfeld, Harold. Illuminable mailbox. 190,539, 6–6–61, Cl. D74—9.
Hirtenstein, Max M., to Ben-Hur Products, Inc. Barrette. 190,216, 4–25–61, Cl. D86—10.
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Wing, George S. 191,883.
Hoagland, George B. Bracket for holding fishing rods. 190,429, 5–30–61, Cl. D33—3.
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Hocq, Robert. Cigarette-lighter or similar article. 190,880, 7–11–61, Cl. D48—27.
Hodgman, Clare E., to The Coca-Cola Co. Bottle vending machine. 190,882, 7–11–61, Cl. D52—3.
Hodgman, Clare E., to The Coca-Cola Co. Vending machine for bottled liquids. 190,927, 7–18–61, Cl. D52—3.
Hodgman, Clare E., to The Coca-Cola Co. Beverage vendor. 191,008, 8–1–61, Cl. D52—3.
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Hodgman, Clare E., to The Coca-Cola Co. Bottle vending machine. 191,953, 12–19–61, Cl. D52—3.
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Holcomb, Stephen A. Sled. 190,959, 7–25–61, Cl. D34—15.
Holden, Orloff W., to Knickerbocker Rubber Co. Water spray head. 191,692, 10–31–61, Cl. D91—3.
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Holmes, Willis G. Fire alarm station or similar article. 190,305, 5–9–61, Cl. D72—1.
Holmes, Willis G. Fire alarm station or similar article. 190,306, 5–9–61, Cl. D72—1.
Holmes, Willis G. Panel for a fire alarm station or similar article. 190,699, 6–20–61, Cl. D72—1.
Holopainen, Vaino J., and J. F. King, to Wain-Roy Corp. Hydraulic digger. 191,939, 12–19–61, Cl. D14—3.
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Homer, Jacob, deceased, by R. and R. S. Homer, B. M. Goldhammer, and M. D. Homer, heirs. Dinnerware plate. 189,884, 3–14–61, Cl. D44—15.
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Hopper, Weldon D. Stringed musical instrument. 191,958, 12–19–61, Cl. D56—1.
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Koeber, Theodore H., and Askins. 191,702.
Houghton, Allan W. Insect electrocuting trap. 190,124, 4–18–61, Cl. D31—3.
House, Elliott M., to Oneida Ltd. Plate or similar article. 191,677, 10–31–61, Cl. D44—15.

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Hudson, Willie B., Jr. Fishing lure. 191,113, 8-15-61, Cl. D31—4.
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Huebner, Heinz, to M. Grundig. Dictating machine. 191,402, 9-26-61, Cl. D26—14.
Huebner, Heinz, to M. Grundig. Dictating machine. 191,582, 10-17-61, Cl. D26—14.
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Hull, R. Dell. Combined fishing rod handle and reel. 189,721, 2-7-61, Cl. D34—4.
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Hultgren, Arnold P., to American Molder Products Co. Reel for ribbon type material. 190,734, 6-27-61; Cl. D26—14.
Humbert, Jack N., to General Motors Corp. Wheel cover. 191,740, 11-14-61, Cl. D14—30.
Humbert, Jack N., to General Motors Corp. Wheel cover. 191,785, 11-21-61, Cl. D14—30.
Hummer, Ralph G., to S. N. Goldman. Base unit for a store service truck. 190,279, 5-9-61, Cl. D14—3.
Hummer, Ralph G., to S. N. Goldman. Base unit for a store service truck. 190,280, 5-9-61, Cl. D14—3.
Humphrey, Leslie F., and D. L. Warwick, to Albert E. Reed & Co. Ltd. Clothes hanger. 190,005, 3-28-61, Cl. D80—8.
Hunt, Robert G., to Marco Products Co. Pipe clearing machine. 189,840, 3-7-61, Cl. D9—2.
Hunt, Robert G., to Marco Products Co. Reel for pipe clearing machines. 191,795, 11-21-61, Cl. D41—1.
Hurkamp, Charles H., to Fairchild Engine and Airplane Corp. Airplane. 190,304, 5-9-61, Cl. D71—1.
Hurwitt, Steven. Electric metallurgical processing unit. 191,329, 9-12-61, Cl. D55—1.
Huseby, Kenneth S., and L. P. Belter. Shelter. 191,576, 10-17-61, Cl. D13—1.
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Hvale, James L., to Ekco Products Co. Handle for culinary implements or similar articles. 191,325, 9-12-61, Cl. D44—29.
Hvale, James L., to Ekco Products Co. Culinary beater. 191,463, 10-3-61, Cl. D44—1.
Hvale, James L., to Ekco Products Co. Spatula or similar article. 191,716, 11-7-61, Cl. D44—29.
Hvale, James L., to Ekco Products Co. Handle for kitchen tools or similar articles. 191,875, 12-5-61, Cl. D44—29.
Hvale, James L., to Ekco Products Co. Handle for kitchen tools or similar articles. 191,876, 12-5-61, Cl. D44—29.
Hvale, James L., to Ekco Products Co. Handle for kitchen tools or similar articles. 191,877, 12-5-61, Cl. D44—29.
Hvale, James L., and R. S. Latham, to Ekco Products Co. Handle for kitchen tools or similar articles. 191,878, 12-5-61, Cl. D44—29.
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Jackley, Dano. Building block. 191,265, 9-5-61, Cl. D18—2.
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Jakobsen, Robert E. K., to Virtue Bros. Mfg. Co. Furniture leg. 189,825, 2–28–61, Cl. D33—14.
Jakobsen, Robert E. K., to Virtue Bros. Mfg. Co. Furniture leg. 190,332, 5–16–61, Cl. D33—14.
Jakobsen, Robert E. K., to Virtue Bros. Mfg. Co. Chair back. 190,485, 6–6–61, Cl. D15—1.
Jakobsen, Robert E. K., to Virtue Bros. Mfg. Co. Jeweled insert for a chair back or similar article. 190,486, 6–6–61, Cl. D75—1.
Jakubowski, Theodore P., to Shulton, Inc. Combination closure and dispensing cap for aerosol containers. 189,941, 3–21–61, Cl. D62—2.
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Janssen, Thomas B. Piano or similar article. 191,962, 12–19–61, Cl. D56—9.
Janssen, Thomas B. Piano or similar article. 191,963, 12–19–61, Cl. D56—9.
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Jentzen, Sydney W., to Jentzen-Miller Co. Language laboratory student booth. 191,747, 11–14–61, Cl. D33—11.
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Johnson, Harold E., to Ford Motor Co. Cap for automobile gasoline tanks or the like. 191,039, 8–8–61, Cl. D14—18.
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Joseloff, Stanley S. Combined rotating display and price tag holder attachment for store shelves. 191,027, 8–8–61, Cl. D1—3.
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Kaplan, Tobias T. Ball point pen. 190,263, 5–2–61, Cl. D74—17.
Karass, Thomas J. Strap tensioning tool. 191,374, 9–19–61, Cl. D54—13.
Karoff, Robert. Food wagon or the like. 190,292, 5–9–61, Cl. D44—24.
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Kasparian, George. Multiple seating unit. 190,907, 7–18–61, Cl. D15—11.

Kasparian, George. Multiple seating unit. 190,908, 7–18–61, Cl. D15—11.
Kasparian, George. Combined corner seating unit and table. 190,910, 7–18–61, Cl. D15—11.
Kather, Alfred. Child's handbag. 189,955, 3–21–61, Cl. D87—3.
Kather, Alfred. Child's handbag. 189,956, 3–21–61, Cl. D87—3.
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Kawaguchi, Shinichi. Sewing machine. 190,258, 5–2–61, Cl. D70—1.
Kawolics, Raymond P., to The Central Brass Mfg. Co. Faucet handle. 191,191, 8–22–61, Cl. D91—3.
Kazenwadel, Fred R., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,286, 9–5–61, Cl. D59—10.
Kazenwadel, Fred R., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,287, 9–5–61, Cl. D59—10.
Kazenwadel, Fred R., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,547, 10–10–61, Cl. D59—10.
Kazenwadel, Fred R., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,548, 10–10–61, Cl. D59—10.
Kazenwadel, Fred R., and G. K. Birge, to George K. Birge Co., Inc. Wallpaper panel. 191,549, 10–10–61, Cl. D59—10.
Kearney, Ralph E., and E. H. Haman. Ventilator. 191,018, 8–1–61, Cl. D62—3.
Kearney, Thomas J. Ultrasonic cleaning unit. 191,611, 10–24–61, Cl. D9—2.
Keck, Henry C., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. Water heater control. 191,538, 10–10–61, Cl. D52—6.
Keeler Brass Co.: *See*—
Watt, William D. 190,266.
Keesling, C. H.: *See*—
Keesling, Thomas B. 191,539.
Keesling, Thomas B., ½ to C. H. Keesling. Angled attachment for an electric drill or the like. 191,539, 10–10–61, Cl. D54—14.
Keith, Elsie B.: *See*—
Morgan, Estes L., and Keith. 190,473.
Kell, Frederick A. Combined cooler and display stand. 191,343, 9–12–61, Cl. D80—11.
Keller, Louis J. Self-propelled loader. 191,506, 10–10–61, Cl. D14—3.
Kellogg Brush Mfg. Co.: *See*—
Huxtable, Lesnard G. 190,166.
Kelly, Hattie E. Toy dog. 189,974, 3–28–61, Cl. D34—2.
Kelly, Jerome F., and R. A. Poisson, to Riegel Textile Corp. Plastic figured textile fabric. 191,736, 11–7–61, Cl. D87—3.
Kelly, Robert P.: *See*—
Leek, Wayne E., Morse, Kelly, Martin, and Nasypany. 189,669.
Kelsey-Hayes Co.: *See*—
Hibbard, Thomas L. 190,640–44.
Kendis, Michael B. Clamping tool for applying automobile tire chains. 190,830, 7–4–61, Cl. D54—13.
Kennedy, Robert J., and W. J. Cornett. Telescope. 190,684, 6–20–61, Cl. D57—1.
Kenney, Mahlon W., and C. W. Sundberg. Cigarette vending machine cabinet. 189,991, 3–28–61, Cl. D52—3.
Kenney Mfg. Co.: *See*—
Cameron, Warren B. S. 191,745.
Kenron Awning & Window Corp.: *See*—
Pedersen, Vaughn. 191,870.
Kent, Ronald M. Dish rack for dishwashing machines. 189,886, 3–14–61, Cl. D49—1.
Kenwood Mfg. (Woking) Ltd.: *See*—
Grange, Kenneth H. 189,936.
Keogh, John. Building block. 189,966, 3–28–61, Cl. D18—2.
Keogh, John. Building block. 189,967, 3–28–61, Cl. D18—2.
Kerr, Kenneth C. Head rest for dental chairs. 191,447, 10–3–61, Cl. D15—8.
Kerr, Kenneth C. Child's conversion seat for a dental chair. 191,513, 10–10–61, Cl. D15—3.
Kersten, Bruno W., to M. S. Pump. Squeeze bulb for siphoning and dispensing shampoo or the like. 189,599, 1–10–61, Cl. D62—2.
Kesner, Richard N., and H. B. Hawes, to St. Lawrence Mfg. Co., Inc. Ice skate scabbard. 189,854, 3–7–61, Cl. D34—5.
Kessler, Luella E. Crumb strainer. 190,879, 7–11–61, Cl. D44—29.
Kewell, Richard J. Hoop rolling paddle. 190,084, 4–11–61, Cl. D34—5.
Key, Edward M. Splitter knife. 191,308, 9–12–61, Cl. D22—3.
Keyes Fibre Co.: *See*—
Emery, Richard L. 191,545.
Keznickl, Eduard, to Karl Vockenhuber. Motion picture camera. 191,240, 8–29–61, Cl. D61—1.
Khalaf, Phil S. Jewelry locket. 190,438, 5–30–61, Cl. D45—15.
Khalaf, Phil S. Jewelry locket. 190,877, 7–11–61, Cl. D45—15.
Kharasch, Robert N. Flash-card teaching apparatus. 191,909, 12–12–61, Cl. D25—1.
Kilham, Eugene F. Baby bib. 191,898, 12–12–61, Cl. D3—26.
Kindl, Frank J., and B. L. Matthews, to Aurora Corp. of Illinois. Gas range burner cap. 191,085, 8–8–61, Cl. D81—10.
King, Douglas H.: *See*—
Dreyfuss, Henry, Genaro, and King. 191,392.
King, Douglas H., to Bell Telephone Laboratories, Inc. Telephone booth. 191,661, 10–31–61, Cl. D13—1.
King, George G.: *See*—
King, John H. and G. G. 190,466.
King, James F.: *See*—
Holopainen, Vaino J., and King. 191,939.
King, John H. and G. G. Paper cap. 190,466, 6–6–61, Cl. D3—13.
King, Percy R., to Javex Co. Ltd. Bottle. 191,599, 10–17–61, Cl. D58—8.
King-Seeley Thermos Co.: *See*—
Hoenisch, Harold. 190,674.
Kingham, George A.: *See*—
Bradshaw, John G., and Kingham. 189,890.
Kingsbury, Howard F., to Pittsburgh Corning Corp. Glass block. 191,045, 8–8–61, Cl. D18—2.
Kingsbury, Howard F., to Pittsburgh Corning Corp. Glass block. 191,263, 9–5–61, Cl. D18—2.
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Grey, Edward J. 191,503.
Kinzler, George G. Color console table or similar article. 191,361, 9–19–61, Cl. D33—14.
Kirkman, Fredrick J., to Servel, Inc. Electric lantern. 190,137, 4–18–61, Cl. D48—24.
Kirkpatrick, Marie A., to Lullabye Furniture Corp. Crib. 190,796, 7–4–61, Cl. D5—5.
Kitamura, Nobuo: *See*—
Shimada, Satoshi, Kitamura, and Saito. 191,228.
Klepa, Peter P., to Eversharp, Inc. Safety razor case. 191,231, 8–29–61, Cl. D58—12.
Kling, William E. Television program schedule holder. 191,431, 10–3–61, Cl. D1—9.
Klinger, Guy G.: *See*—
Gongoll, Vernon F., Klinger, and Ullrich. 190,705.
Klosterbrennerei A.G., Erste Badische Wein- und Edelbranntweinbrennerei: *See*—
Borg, Nikolai. 190,527.
Knapp, Andrew S. Decorative panel for a toaster or the like. 191,084, 8–8–61, Cl. D81—10.
Knapp, Andrew S., to Knapp-Monarch Co. Combined steam and spray iron. 191,766, 11–14–61, Cl. D49—6.
Knapp, George A., to R. E. Dietz Co. Clearance lamp for automotive vehicles. 190,440, 5–30–61, Cl. D48—32.
Knapp, George A., to R. E. Dietz Co. Direction signal switch for automotive vehicles. 191,822, 11–28–61, Cl. D14—6.
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Knickerbocker Rubber Co.: *See*—
Holden, Orloff W. 191,692.
Knoblauch, Grant E.: *See*—
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Knoll Associates, Inc.: *See*—
Knoll, Florence S. 191,273.
Schultz, Moses R. 190,998.
Knoll, Florence S., to Knoll Associates, Inc. File drawer face panel. 191,273, 9–5–61, Cl. D33—19.
Knowles, Beryl B., to Fairfield Optical Co. Spectacle frame. 191,416, 9–26–61, Cl. D57—1.
Knox, Charles E., Jr. Portable service station island unit. 191,437, 10–3–61, Cl. D13—1.
Knudsen, Raymond G.: *See*—
Badger, Robert E., and Knudsen. 190,764.
Koch, Robert B. Liquid dispenser for vehicle windshield cleaning. 190,773, 6–27–61, Cl. D58—17.
Koch, Samuel J. Indicator housing. 189,849, 3–7–61, Cl. D26—13.
Koci, Jerry C., to B. J. Payne, Universal Control System, Inc. Coin counter. 189,549, 1–3–61, Cl. D52—4.
Koeber, Theodore H., and W. J. Askins, to The Frank G. Hough Co. Tractor. 191,702, 11–7–61, Cl. D14—3.
Koenigsberg, Victor: *See*—
Douglas, Livingston C., and Koenigsberg. 190,686.
Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 190,058, 4–4–61, Cl. D58—8.
Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 190,889, 7–11–61, Cl. D58—8.
Koepf, Rudolph H.: *See*—
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Koffler, Sol. Luggage case. 192,000, 12–26–61, Cl. D87—5.
Kohen, Sheldon I.: *See*—
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Kohler Co.: *See*—
Kohler, Herbert V. 190,711.
Kohler, Herbert V. 190,791.
Kohler, Herbert V., to Kohler Co. Lavatory fitting unit or similar article. 190,711, 6–20–61, Cl. D91—3.
Kohler, Herbert V., to Kohler Co. Lavatory fitting or similar article. 190,791, 6–27–61, Cl. D91—3.
Kolarik, John T., ½ to V. F. Gabriel. Golf ball carrier. 190,919, 7–18–61, Cl. D34—5.
Kollmann, Karl J. Sewer cleaning machine. 191,978, 12–26–61, Cl. D9—2.

Kollmeyer, Fred H., to Blackhawk Mfg. Co. Vehicle jack. 189,829, 2–28–61, Cl. D91—1.
Komline-Sanderson Engineering Corp.: *See*—
Hammaratrom, Eric C., and Ballantyne. 189,561.
Kontur Kontact Lens Co., Inc.: *See*—
Gates, Harold, Ewell, and Villagran. 191,140.
Gates, Harold, Ewell, and Villagran. 191,964.
Konves, Richard L. Bowler's bench. 191,791, 11–21–61, Cl. D34—5.
Koons, Sidne, to The Grove Co. Pull-over jacket. 190,551, 6–13–61, Cl. D3—25.
Kopp, Philip E. Apertured wall block. 190,324, 5–16–61, Cl. D18—2.
Kornmiller, Allan E., to Chrysler Corp. Automobile wheel cover. 190,119, 4–18–61, Cl. D14—30.
Kosik, Sam J., Jr., and F. B. Robb. Valve stem clamp. 191,092, 8–8–61, Cl. D90—20.
Kotkin, Emanuel E.: *See*—
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Kotkins, Henry L. Luggage case. 190,268, 5–2–61, Cl. D87—5.
Kovacs, Stephen A., Jr. Fishline sinker. 190,743, 6–27–61, Cl. D31—4.
Kowalewski, John J.: *See*—
Guild, Lurelle V. A., and Kowalewski. 189,778.
Krantz, Raymond J., to Northrop Aircraft, Inc. Swaging machine. 191,634, 10–24–61, Cl. D54—14.
Kratz, David W. Portable rack for swimming pool equipment or the like. 190,802, 7–4–61, Cl. D14—3.
Kraus, Heinz, to Fa. Dr. Johannes Heidenhain Feinmechanik und Optik. Telescope or similar article. 191,377, 9–19–61, Cl. D57—1.
Kraus, Heinz, to Fa. Dr. Johannes Heidenhain Feinmechanik und Optik. Telescope or similar article. 191,378, 9–19–61, Cl. D57—1.
Kraus, Heinz, to Fa. Dr. Johannes Heidenhain Feinmechanik und Optik. Tripod or similar article. 191,380, 9–19–61, Cl. D61—1.
Krause, Richard F., to The Enterprise Aluminum Co. Handle for percolators and other utensils. 189,983, 3–28–61, Cl. D44—29.
Krause, Walter H., to Beacon Metal Products Co. Bacon hanger. 191,698, 11–7–61, Cl. D11—1.
Krauss, Carl. Massage unit and couch combination. 191,292, 9–5–61, Cl. D83—1.
Krausz, Allan E. Heater. 190,213, 4–25–61, Cl. D81—19.
Krebs, Hans, K. Westinger, and E. Altenburger, to Olympia Werke AG. Calculating machine. 191,643, 10–24–61, Cl. D64—11.
Krieger, Larry L. Brassiere. 191,981, 12–26–61, Cl. D20—4.
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Ungaro, Nicholas A. 191,272.
Krokos, Raymond M., to Evans Products Co. Velocipede frame. 191,753, 11–14–61, Cl. D34—15.
Krolopp, Rudolph W., and E. O. Stastny, to Motorola, Inc. Control panel for a television receiver. 191,767, 11–14–61, Cl. D56—4.
Krolopp, Rudolph W., and E. O. Stastny, to Motorola, Inc. Television receiver. 191,768, 11–14–61, Cl. D56—4.
Krone, Fred J., to P. R. Mallory & Co., Inc. Dinner plate. 190,669, 6–20–61, Cl. D44—15.
Krone, Martin. Combined arm rest and storage receptable. 191,356, 9–19–61, Cl. D15—8.
Kruck, Ralph E., to Metal Fabrications, Inc. Aerosol-spray dispenser. 190,784, 6–27–61, Cl. D83—1.
Kruck, Ralph E., to Metal Fabrications, Inc. Aerosol-spray dispenser. 190,785, 6–27–61, Cl. D83—1.
Kruck, Ralph E., to Metal Fabrications, Inc. Aerosol-spray dispenser. 190,786, 6–27–61, Cl. D83—1.
Kruck, Ralph E., to Metal Fabrications, Inc. Casing for an aerosol-spray dispenser. 191,650, 10–24–61, Cl. D83—1.
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Jones, Vincent C., Huss, and Krueger. 191,177.
Krueger, Herbert B. Combination fuel tank measuring gauge and sampler. 190,299, 5–9–61, Cl. D52—6.
Krueger, Theodore H. Tape dispenser or the like. 190,298, 5–9–61, Cl. D74—1.
Kruke, William F.: *See*—
Beck, William A., and Kruke. 190,719.
Kuehne Mfg. Co.: *See*—
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Hess, Theodore. 189,910.
Kuenzl, Frank J., to Skil Corp. Hand-operable belt sander. 190,185, 4–25–61, Cl. D37—1.
Kuenzl, Frank J., to Skil Corp. Hand-operable power drill unit. 190,200, 4–25–61, Cl. D54—14.
Kuenzl, Frank J., to Skil Corp. Hand-operable power saw. 190,316, 5–9–61, Cl. D93—3.
Kuepfer, Ernest R., to The Firth Carpet Co., Inc. Pile fabric floor covering. 189,607, 1–10–61, Cl. D92—4.
Kuhlman, Arthur L. Combination fork, spoon and knife. 190,198, 4–25–61, Cl. D54—12.
Kuhn, James O., to Bromo Mint Co. Toy slide projector. 191,055, 8–8–61, Cl. D34—15.
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Duesenberg, Kenneth W., and Kulusic. 191,551.
Kurata, Jumpei. Sandal. 189,716, 2–7–61, Cl. D7—7.
Kurata, Jumpei. Sandal. 189,717, 2–7–61, Cl. D7—7.
Kurata, Jumpei. Sandal. 190,468, 6–6–61, Cl. D7—7.
Kurata, Jumpei. Strap sandal. 190,557, 6–13–61, Cl. D7—7.
Kursh, Irene O., and J. Cumbus. Clock. 190,873, 7–11–61, Cl. D42—7.
Kursh, Irene O., and J. Cumbus. Clock. 190,874, 7–11–61, Cl. D42—7.
Kursh, Irene O., and J. Cumbus. Clock. 190,875, 7–11–61, Cl. D42—7.
Kurtis, Frank, to C. E. Erickson Co., Inc. Go-cart. 189,746, 2–14–61, Cl. D14—3.
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Dunbar, George W. 191,915.
McLain, William R. 191,914.
Kuypers, Norbert T.: *See*—
Paul, Charles C., and Kuypers. 191,868.
Kyes, Rita L. Combined thread picker and seam ripper. 190,550, 6–13–61, Cl. D3—19.
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Lacek, John A., to Daniel Green Co. Lady's slipper or similar article. 190,164, 4–25–61, Cl. D7—7.
Lacek, John A., to Daniel Green Co. Lady's slipper or similar article. 190,165, 4–25–61, Cl. D7—7.
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Lamb, Thomas. Handle for a utility knife. 189,665, 1–31–61, Cl. D22—3.
Lambert, Harold. Spectacle frame. 191,543, 10–10–61, Cl. D57—1.
Lambert, Harry E., to Packaging Corp. of America. Egg case separator. 191,232, 8–29–61, Cl. D58—13.
Lane Co., Inc., The: *See*—
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Swarts, Ernest L., and Solie. 189,785.
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Swarts, Ernest L., and Solie. 190,179.
Swarts, Ernest L., and Solie. 191,657.
Lang, Keith M. House. 189,571. 1–10–61, Cl. D13—1.
Lang, Vincent F., to Eastman Kodak Co. Photographic flash holder safety guard or similar article. 189,894, 3–14–61, Cl. D61—1.
Lange, Morris. Casket display bier. 190,374, 5–23–61, Cl. D19—9.
Langer, Walter, to Evyan Perfumes, Inc. Display case for a perfume bottle. 191,419, 9–26–61, Cl. D58—12.7.
Lanier, Edward M. Airplane. 189,802, 2–21–61, Cl. D71—1.
Lanning, Richard E.: *See*—
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Lapitsky, Mattvei M., to Bowl-Ironics, Inc. Combined desk and bowling score indicator panel. 190,659, 6–20–61, Cl. D34—5.
Lappin, Robert I. Combined cleaning and waxing machine for floors or the like. 189,568, 1–10–61, Cl. D9—2.
Larkin, Robert E., to Cutler-Hammer, Inc. Electrical switch enclosure. 189,579, 1–10–61, Cl. D26—13.
Larson, Carl U., and J. R. Turek. Combined soap holder and grab bar or the like. 189,838, 3–7–61, Cl. D4—3.
Larson, Charles R., to Hapman Conveyors, Inc. Checkstand. 189,773, 2–14–61, Cl. D80—2.
Lasker, Martin L., to McPhilben Lighting Inc. Lighting fixture. 189,857. 3–7–61, Cl. D48—4.
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Latham, Richard S., to Ekco Products Co. Handle for kitchen tools and similar articles. 190,293, 5–9–61, Cl. D44—29.
Latham, Richard S., to Ekco Products Co. Handle for kitchen tools and similar articles. 190,294, 5–9–61, Cl. D44—29.
Latham, Richard S., to Ekco Products Co. Culinary beater. 191,321, 9–12–61, Cl. D44—1.
Latham, Richard S., to Ekco Products Co. Wall bracket for a towel bar or the like. 191,781, 11–21–61, Cl. D4—3.
Latham, Richard S., to Ekco Products Co. Knife. 191,825, 11–28–61, Cl. D22—3.
Latham, Richard S., to Ekco Products Co. Handle for kitchen tools or similar articles. 191,948, 12–19–61, Cl. D44—29.
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Lauve, Henry de S., to Lyon Inc. Combined tire and tire trim. 191,040, 8–8–61, Cl. D14—30.
Lauve, Henry de S., to Lyon Inc. Combined tire and tire trim. 191,041, 8–8–61, Cl. D14—30.
Lavin, Monte L., to The Singer Mfg. Co. Sewing machine carrying case or similar article. 190,947, 7–18–61, Cl. D87—5.
La Zar, Ralph: *See*—
Bradford, Ronald A., and La Zar. 190,878.

La Zar, Ralph M., and R. C. Sandin, to General Electric Co. Electric range. 190,211, 4–25–61, Cl. D81—4.
Lazor, Thomas E., to Ciba Pharmaceutical Products, Inc. Magnifying lens or similar article. 191,851, 11–28–61, Cl. D57—1.
Leach, Edward E., to Minnesota Mining and Mfg. Co. Solderless electrical connector. 191,399, 9–26–61, Cl. D26—1.
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Andres, James R., Varner, Uecker, Schoeppel, and De Maagd. 190,968.
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Lear, William P., and E. F. O'Brien, to Lear, Inc. Aircraft instrument. 190,443, 5–30–61, Cl. D52—6.
Lear, William P., Sr., to Lear, Inc. Aircraft. 190,840, 7–4–61, Cl. D71—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 189,566, 1–3–61, Cl. D92—1.
Leavy, Natalie. Flocked textile fabric. 190,013, 3–28–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,014, 3–28–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,015, 3–28–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,315, 5–9–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,617, 6–13–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,618, 6–13–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,619, 6–13–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 190,620, 6–13–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 191,430, 9–26–61, Cl. D92—1.
Leavy, Natalie, to Decorative Fabrics Co. Inc. Flocked textile fabric. 191,568, 10–10–61, Cl. D92—1.
Le Blanc, Lloyd G. Fishing creel. 190,833, 7–4–61, Cl. D58—1.
Lebow, Fennie W. Tool handle. 191,976, 12–19–61, Cl. D93—4.
Lechtenberg, Leo J., to Briggs & Stratton Corp. Air cleaner housing for internal combustion engines. 191,806, 11–21–61, Cl. D62—2.
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Lee, William W. Search light or the like. 191,763, 11–14–61, Cl. D48—32.
Leek, Wayne E., C. H. Morse, R. P. Kelly, J. S. Martin, and P. Nasypany. Firearm. 189,669, 1–31–61, Cl. D30—1.
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Caminker, Bernard, and Leichter. 191,501.
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Leman, Donald E., and R. O. Ernest, to Sunbeam Corp. Electric shaver. 190,576, 6–13–61, Cl. D22—3.
Leman, Donald E., and R. O. Ernest, to Sunbeam Corp. Blender. 191,344, 9–12–61, Cl. D89—1.
Lendved, John W., R. B. Rosseau, and N. K. Rhoades, to Chain Belt Co. Concrete mixer. 191,100, 8–15–61, Cl. D14—3.
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Muller, Josef. 191,628.
Leonard, Ralph N., to The Radion Corp. Display carton. 189,733, 2–7–61, Cl. D58—12.
Leopoldi, Norbert. Garment hanger. 191,855, 11–28–61, Cl. D80—8.
Lerch, Walter. Glass panel. 189,587, 1–10–61, Cl. D36—11.
Le Suer, Robert C.: *See*—
Chapman, Dave, and Le Suer. 189,680.
Letterman, Charles B.: *See*—
Sundberg, Carl W., Ferar, and Letterman. 189,769.
Letzo, Charles. Jewelry finding. 189,929, 3–21–61, Cl. D45—19.
Levacy, R. C. Anchor line clamp for boats or the like. 191,772, 11–14–61, Cl. D71—1.
Levin, Monte L., to The Singer Mfg. Co. Sewing machine carrying case or similar article. 190,404, 5–23–61, Cl. D87—5.
Levine, Abraham, to Sardis Luggage Co. Luggage lock. 189,626, 1–17–61, Cl. D50—7.
Levine, Bernard B., and O. L. Becker. Hanger for displaying socks. 189,899, 3–14–61, Cl. D80—8.
Levine, Bernard B., and R. Phillips. Hanger for a skirt or the like. 190,843, 7–4–61, Cl. D80—8.
Levinger, Paul, to Speidel Corp. Expansion chain for a bracelet or similar article. 191,217, 8–29–61, Cl. D45—4.
Levinson, Neville. Display stand. 191,811, 11–21–61, Cl. D80—9.
Levis, Irene I. Hand mirror. 190,789, 6–27–61, Cl. D86—10.
Levy, Sidney E., and B. C. Sharp, to Temco Electronics, Inc. Microphone. 190,865, 7–11–61, Cl. D26—14.
Lewis Engines, Inc.: *See*—
Thompson, Elvin T. 191,579.
Lewis, Herbert M., to Derbie Line Ltd. Game board. 191,117, 8–15–61, Cl. D34—5.
Lewis, Jerry N. Combined washing and drying machine. 191,469, 10–3–61, Cl. D49—1.
Leydig, Vernon L. Stand and planter combination for flowering plants. 190,434, 5–30–61, Cl. D35—3.
Libson, Maurice E. Rubber stamp holder. 190,701, 6–20–61, Cl. D74—5.
Lien, Carl B. Electrical room-deodorant vaporizer casing. 189,912, 3–21–61, Cl. D16—2.
Lincoln Metal Products Corp.: *See*—
Schwartz, Harry, and Silverstein. 190,751.
Lind, William E. Automobile air conditioning case. 191,304, 9–12–61, Cl. D14—6.
Lindenmeyer, Ray S. Tripod support. 191,105, 8–15–61, Cl. D15—2.
Lindholm, Arthur W. Masonic consistory ring. 191,949, 12–19–61, Cl. D45—10.
Lindley, John M. Ash tray or the like. 190,611, 6–13–61, Cl. D85—2.
Linger, Harrison K., and D. E. Payton, to General Electric Co. Portable dishwasher or similar article. 190,249, 5–2–61, Cl. D49—1.
Link, Lottie M. Tray or similar article. 189,980, 3–28–61, Cl. D44—10.
Lionel Corp., The: *See*—
Matyas, Gerald. 189,855.
Liptay, John M. Mobile laboratory. 191,262, 9–5–61, Cl. D16—2.
Litchfield, Lawrence S., to T. J. Kauffeld. Combination exhibition hall and planetarium. 191,700, 11–7–61, Cl. D13—1.
Little, Sarah, to Corning Glass Works. Plate or similar article. 191,945, 12–19–61, Cl. D44—15.
Little Giant Corp.: *See*—
Johnson, Damon B., and Faison. 191,333.
Livermore, Harry G. Ground-rooting tooth. 190,335, 5–16–61, Cl. D39—1.
Lobbenberg, Anne M., to Corsets Silhouette Ltd. Girdle. 191,397, 9–26–61, Cl. D20—2.
Lockheed Aircraft Corp.: *See*—
Calvert, Rodney K., and Graham. 191,703.
Culver, Iryen H., and Walters. 189,705.
Eaton, J Mack, and Hoerrner. 191,149.
Johnson, Clarence L. 191,243.
Noga, William, and Chase. 190,138.
Lockwood, John O., to Bly Corning. Signal lantern or similar article. 191,989, 12–26–61, Cl. D48—24.
Logansport Machine Co., Inc.: *See*—
Becker, Robert E. 189,833.
Loma Industries: *See*—
Bloch, Jack. 190,059.
Bloch, Jack. 191,544.
Bloch, Jack. 191,620.
Bloch, Jack. 191,623.
Bloch, Jack. 191,804.
Lone Star Boat Co.: *See*—
Rorie, George C. 189,657.
Long, Homer G. Card rack. 189,635, 1–24–61, Cl. D1—3.
Lonker, Arthur, to Curley Co., Inc. Bottle. 191,142, 8–15–61, Cl. D58—6.
Lonker, Arthur. Bottle. 191,598, 10–17–61, Cl. D58—6.
Lorac Co., Inc., The: *See*—
Carroll, William A. 191,651.
Lorang, Walter R. Coffee maker. 190,219, 5–2–61, Cl. D2—3.
Lorenson, James H. Display stand for musical instruments. 190,309, 5–9–61, Cl. D80—10.
Lorenzen, Arnold I., to Owens-Illinois Glass Co. Bottle. 191,722, 11–7–61, Cl. D58—8.
Lotspeich, Charles A., to Mitchell Camera Corp. Motion picture camera. 189,940, 3–21–61, Cl. D61—1.
Love, John W. Manually propelled water-craft. 191,289, 9–5–61, Cl. D71—1.
Lovejoy, Charles K., to Scripto, Inc. Clip for a writing instrument. 191,077, 8–8–61, Cl. D74—2.
Lovejoy, Charles K., to Scripto, Inc. Writing instrument. 191,078, 8–8–61, Cl. D74—17.
Lovejoy, Charles K., to Scripto, Inc. Writing instrument. 191,079, 8–8–61, Cl. D74—17.
Lovejoy, Charles K., to Scripto, Inc. Ball point pen. 191,729, 11–7–61, Cl. D74—17.
Lowe, Donald B., Jr.: *See*—
Johnson, Walter L., and Lowe. 190,610.
Lowe, Donald B., Jr., to Northern Electric Co. Electrical medicinal vaporizer or the like. 190,109, 4–11–61, Cl. D83—1.
Lowe, Donald B., Jr., to Northern Electric Co. Electric blanket control, or the like. 191,204, 8–29–61, Cl. D26—13.
Lowe, Donald B., Jr., to Northern Electric Co. Heating pad switch, or the like. 191,205, 8–29–61, Cl. D26—13.
Lucerne Products, Inc.: *See*—
Matthews, Benjamin H., and Sholle. 190,347.
Luck, Allan J. Panel or the like. 191,867, 12–5–61, Cl. D13—1.

Lucken, John M., and R. R. Clemmer, to Remembrance Memorial, Inc. Grave marker. 190,940, 7–18–61, Cl. D79—2.
Lucky Wish Products, Inc.: *See*—
Wish, Henry. 191,216.
Luedtke, Eugene K., to Hankscraft Co. Nursing bottle. 191,386, 9–19–61, Cl. D83—8.
Lugowski, Theodore J., to Plastic Craft, Inc. Bottle rack or similar article. 191,715, 11–7–61, Cl. D44—29.
Lukey, Russell J. Water cooler. 190,257, 5–2–61, Cl. D67—4.
Lullabye Furniture Corp.: *See*—
Bukolt, Victor J., Jr. 190,950.
Kirkpatrick, Marie A. 190,796.
Lund, Helen M., and G. S. Vitulli. Jewelled brooch. 189,759, 2–14–61, Cl. D45—19.
Lundberg, Wayne E., to Donald F. Duncan, Inc. Return top. 189,976, 3–28–61, Cl. D34—15.
Lundell, Arnold W. Slicing machine. 190,051, 4–4–61, Cl. D55—1.
Lynch, Thomas R., to Riegel Textile Corp. Puffed textile fabric. 190,616, 6–13–61, Cl. D92—1.
Lynch, Thomas R., to Riegel Textile Corp. Puffed textile fabric. 191,388, 9–19–61, Cl. D92—1.
Lyon, George A. Wheel trim unit or similar article. 189,817, 2–28–61, Cl. D14—30.
Lyon, George A. Wheel cover. 190,566, 6–13–61, Cl. D14—30.
Lyon, George A. Wheel cover. 190,481, 6–6–61, Cl. D14—30.
Lyon, George A. Wheel cover. 190,482, 6–6–61, Cl. D14—30.
Lyon, George A. Wheel cover. 190,483, 6–6–61, Cl. D14—30.
Lyon, George A. Wheel cover. 190,484, 6–6–61, Cl. D14—30.
Lyon, George A. Wheel cover. 191,259, 9–5–61, Cl. D14—30.
Lyon, George A. Wheel trim. 191,260, 9–5–61, Cl. D14—30.
Lyon, George A. Wheel cover. 191,512, 10–10–61, Cl. D14—30.
Lyon, George A. Wheel cover. 191,869, 12–5–61, Cl. D14—30.
Lyon Inc.: *See*—
Lauve, Henry de S. 189,663.
Lauve, Henry de S. 191,040–1.
Young, John P., and Arnold. 189,616.
Young, John P., and Arnold. 189,628.
Lyon, Melvin, and O. M. Gossett. Mobile. 189,821, 2–28–61, Cl. D25—1.
M. T. & D. Co.: *See*—
Musichuk, Alexander B. 191,754.
Macadam, Richard G., to Chrysler Corp. Automobile tail lamp bezel. 189,930, 3–21–61, Cl. D48—32.
Macadam, Richard G., to Chrysler Corp. Automobile lamp lens housing. 189,987, 3–28–61, Cl. D48—32.
Macbeth Arc Lamp Co.: *See*—
Cunningham, Earl C., Jr. 189,725.
Cunningham, Earl C., Jr. 189,726.
MacCaferri, Mario. Dispenser for adhesive tape. 191,773, 11–14–61, Cl. D74—1.
MacGregor Sport Products, Inc.: *See*—
Penna, Toney. 190,034.
Penna, Toney. 190,430.
Mack Trucks, Inc.: *See*—
Rutman, Ralph G. 191,607.
MacKrell, William B., to Standard Packaging Corp. Combined memorandum pad and note holder. 191,022, 8–1–61, Cl. D74—1.
MacPlum, R. A., Industries, Inc.: *See*—
Umanoff, Martin. 191,934.
Macy, Donald. J. F. Weaver, and G. E. Knoblauch, to Artcraft Venetian Blind Mfg. Co. of St. Louis. Rigid window awning. 190,488, 6–6–61, Cl. D21—6.
Madding, Robert H.: *See*—
Rodriguez, Raoul E. 191,129.
Madding, Robert H. Pleasure boat deck. 189,945, 3–21–61, Cl. D71—1.
Madison Products Inc.: *See*—
Margolies, Charles R. 190,987.
Madl, Alfred W., to John Oster Mfg. Co. Electric hair clipper. 190,490, 6–6–61, Cl. D22—3.
Madl, Alfred W., to John Oster Mfg. Co. Electric hair clipper. 190,491, 6–6–61, Cl. D22—3.
Madl, Alfred W., to John Oster Mfg. Co. Lather making machine. 190,554, 6–13–61, Cl. D4—3.
Madl, Alfred W., to John Oster Mfg. Co. Electric hair clipper. 190,577, 6–13–61, Cl. D22—3.
Madl, Alfred W., to John Oster Mfg. Co. Electric hair clipper. 190,579, 6–13–61, Cl. D22—5.
Madl, Alfred W., to John Oster Mfg. Co. Can opener. 191,266, 9–5–61, Cl. D22—2.
Madl, Alfred W., to John Oster Mfg. Co. Steam iron. 191,630, 10–24–61, Cl. D49—6.
Maecker, Gerhard O., to Deluxe Coils, Inc. Power supply housing. 191,871, 12–5–61, Cl. D26—5.
Maeda, Kazuo, to Kabushiki Kaisha Kito Seisakusho. Chain block. 190,960, 7–25–61, Cl. D41—1.
Maffei, Leo J., to The American Hardware Copr. Lever handle unit. 189,962, 3–28–61, Cl. D10—8.
Magarian, Masick C. Electrode holder. 189,780, 2–21–61, Cl. D26—1.
Magazine, Samuel. Lamp. 190,672, 6–20–61, Cl. D48—20.
Magers, Lloyd E. Book stand or similar article. 190,587, 6–13–61, Cl. D33—2.
Magnavox Co., The: *See*—
Freimann, Frank M., and Welbaum. 191,639.
Welbaum, Clyde L. 190,600.
Magnin, Georges, and J. Grimm; said Grimm assor. to said Magnin. Hose supporter. 191,307, 9–12–61, Cl. D17—8.
Magnus, Finn H., to Magnus Organ Corp. Organ. 189,766, 2–14–61, Cl. D56—2.
Magnus Organ Corp.: *See*—
Magnus, Finn H. 189,766.
Maguire, Frederick A.: *See*—
Hawthorne, Kenneth B., and Maguire. 189,602.
Mahaffy Engineering Co.: *See*—
Mahaffy, Reid A. 191,012.
Mahaffy, Reid A., to Mahaffy Engineering Co. Packaging machine for processed meat, cheese or the like. 191,012, 8–1–61, Cl. D55—1.
Maico Electronics, Inc.: *See*—
Mullin, Clayton D., and Darr. 191,564.
Rose, John F., and Darr. 190,884.
Maiden Form Brassiere Co., Inc.: *See*—
Pioli, Raymond. 190,376.
Maidenform, Inc.: *See*—
Kaupp, Bette K. 190,732.
Mailman Bros.: *See*—
Sidney, Milton M, and Woolley. 191,357.
Mair, Francis M. Chair. 190,568, 6–13–61, Cl. D15—1.
Mair, Francis M. Chair. 190,569, 6–13–61, Cl. D15—1.
Mair, Francis M. Lounge chair. 190,571, 6–13–61, Cl. D15—11.
Mairs, Thomas G.: *See*—
Schilling, Paul A., and Mairs. 189,891.
Maki, Aake E. Barbecue grill. 191,186, 8–22–61, Cl. D81—10.
Mallory, P. R., & Co., Inc.: *See*—
Krone, Fred J. 190,669.
Manderfield, Ellen, to Oneida Ltd. Spoon or similar article. 189,629, 1–17–61, Cl. D54—12.
Manderfield, Ellen, to Oneida Ltd. Spoon or similar article. 189,795, 2–21–61, Cl. D54—12.
Manderfield, Ellen, to General Mills, Inc. Spoon or similar article. 190,100, 4–11–61, Cl. D54—12.
Manderfield, Ellen, to Oneida Ltd. Spoon or similar article. 190,765, 6–27–61, Cl. D54—12.
Manderfield, Ellen, to Oneida Ltd. Spoon or similar article. 191,956, 12–19–61, Cl. D54—12.
Mandy, Robert R. Liquid dispenser for vehicle windshield cleaning. 190,774, 6–27–61, Cl. D58—17.
Mangini, John, to Clairol Inc. Dual compartment bottle. 190,101, 4–11–61, Cl. D58—8.
Mango, Joseph R.: *See*—
Goodrich, Eugene E., and Mango. 190,898.
Goodrich, Eugene E., and Mango. 190,899.
Mango, Joseph R., to Dominion Electric Corp. Food mixer. 190,509, 6–6–61, Cl. D44—1.
Manitowoc Engineering Corp.: *See*—
Beduhn, Daniel E. 191,951.
Mann, William I. Radiation absorption cell for optical testing of fluids. 190,573, 6–13–61, Cl. D16—1.
Manning, Maxwell & Moore, Inc.: *See*—
Wolaver, Robert M. 189,876.
Manzardo, Scipione R. Key identifier. 190,598, 6–13–61, Cl. D50—4.
Mappes, William L., to Duplan Corp. Clearance marker light for vehicles. 191,130, 8–15–61, Cl. D48—32.
Mappes, William L., to Duplan Corp. Clearance marker light for vehicles. 191,131, 8–15–61, Cl. D48—32.
Maratta, James, to Physio-Health, Inc. Exercising machine. 191,792, 11–21–61, Cl. D34—5.
Marcantonio, Livio F.: *See*—
Fischer, Howard R., Marcantonio, and D'Haem. 191,848.
Marchak, Nicholas, to American Can Co. Collapsible tube or similar article. 191,233, 8–29–61, Cl. D58—17.
Marchi, Vitalino, to Foster Grant Co., Inc. Eyeglass frame front or the like. 191,853, 11–28–61, Cl. D57—1.
Marco Products Co.: *See*—
Hunt, Robert G. 189,840.
Hunt, Robert G. 191,795.
Marcus, William, to Merrymaid Plastics Corp. Pot strainer. 190,094, 4–11–61, Cl. D44—29.
Marcus, William, to Merrymaid Plastics Corp. Spatula. 191,526, 10–10–61, Cl. D44—29.
Margolies, Charles R., to Madison Products Inc. Vanity lavatory top. 190,987, 8–1–61, Cl. D4—2.
Marlin Toy Products, Inc.: *See*—
Lakin, Willis M. 190,036.
Marquez, Socrates F.: *See*—
McCaw, Jack A., and Marquez. 191,508.
Marschak, Howard J., to Stor-Rite Metal Products, Inc. Display stand. 191,892, 12–5–61, Cl. D80—9.
Marsh, Louis. Combined coaster and ashtray. 190,436, 5–30–61, Cl. D44—10.
Marti, Frederic, and G. Braunschweig. Clock. 190,749, 6–27–61, Cl. D42—7.
Marti, Frederic, and G. Braunschweig. Wall-mounted clock. 190,750, 6–27–61, Cl. D42—7.
Martin, James S.: *See*—
Leek, Wayne E., Morse, Kelly, Martin, and Nasypany. 189,669.
Martin, Raymond I. Drawing template. 191,135, 8–15–61, Cl. D52—6.
Martin, Thomas B. Dynamometer. 191,009, 8–1–61, Cl. D52—6.
Martin, William B. Lighting fixture. 191,369, 9–19–61, Cl. D48—4.
Martindale, Roy M. Boat. 190,698, 6–20–61, Cl. D71—1.
Martinec, Eugene F., to Health-Mor, Inc. Vibrator massager attachment for a suction cleaner. 191,253, 8–29–61, Cl. D83—1.

Marx, Frederick, Sr. Iron holder. 191,133, 8–15–61, Cl. D49—6.
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Hirsch, Mahlon E. 189,673.
Hirsch, Mahlon E. 189,925.
Mashigan, Charles, to Chrysler Corp. Automobile wheel cover. 190,171, 4–25–61, Cl. D14—30.
Maslow, Louis. Dish rack support. 191,470. 10–3–61, Cl. D49—1.
Masse, Paul, to P. A. Lefebvre. Hoop whirler. 190,590, 6–13–61, Cl. D34—5.
Master Mfg. Co., Inc.: *See*—
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Mater, Milton H.: *See*—
O'Toole, Phil J., and Mater. 191,810.
Mathison, Dorothy E. Compartmented container for cosmetics or the like. 190,449, 5–30–61, Cl. D58—13.
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Matyas, Gerald, to The Lionel Corp. Toy train aquarium car. 189,855, 3–7–61, Cl. D34—15.
Maul, John A., and R. P. Hess, to Addressograph-Multigraph Corp. Printing machine. 191,332, 9–12–61, Cl. D64—11.
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Moksu, Walter H., and Mawney. 189,578.
May, Henry G., Jr. Anchor. 190,780, 6–27–61, Cl. D71—1.
Mayberry, Joseph A., to Goshen Mfg. Co. Child's cart or the like. 191,037, 8–8–61, Cl. D14—3.
Mayer, Lazare. Combined shipping and display carton for hair nets. 189,767, 2–14–61, Cl. D58—12.
Mayer, Otto. Attaché case. 189,711, 1–31–61, Cl. D87—5.
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Powers, John J. 190,416.
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Griffitts, Henry V. 190,445.
McCarthy, Horace F., to Avco Corp. Surgical suture bridge. 190,542, 6–6–61, Cl. D83—12.
McCaw, Jack A., and S. F. Marquez. Frame for a go-cart. 191,508, 10–10–61, Cl. D14—3.
McClelland, John I. Combined spoon and fork. 189,624, 1–17–61, Cl. D44—29.
McClelland, John I. Combined fork and spoon. 189,625, 1–17–61, Cl. D44—29.
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Teran, Eric H. A. 190,768.
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McCrackin, Otho E., to United States of America, Navy. Guided missile. 190,454, 5–30–61, Cl. D71—1.
McCrackin, Otho E., to United States of America, Navy. Guided missile. 190,455, 5–30–61, Cl. D71—1.
McCreery, Albert J., to C & M Mfg. Co. Display box. 191,070, 8–8–61, Cl. D58—12.
McDaniel, Bobby L., to C. H. Williams. Model airplane. 190,572, 6–13–61, Cl. D34—15.
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McFadden, Robert P. Collapsible camping compartment. 191,445, 10–3–61, Cl. D14—27.
McGinn, James T. Bookend. 189,783, 2–21–61, Cl. D33—4.
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McGreevy, Raymond E., and F. M. Vondrasek; said Vondrasek assor. to said McGreevy. Bird feeder. 190,813, 7–4–61, Cl. D31—2.
McGreevy, Raymond E., and F. M. Vondrasek, said Vondrasek assor. to said McGreevy. Birdhouse. 190,914, 7–18–61, Cl. D31—2.
McGreevy, Raymond E., and F. M. Vondrasek. Planter. 191,522, 10–10–61, Cl. D35—3.
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Carter, Charles W., Woodson, Slyder, and McKee. 191,872.
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McLain, William R., to Kusan Inc. Pull toy. 191,914, 12–12–61, Cl. D34—15.
McMillan, David S. Combination feather duster and sachet. 189,661, 1–31–61, Cl. D9—2.
McMillan, Vernon R. Face guard for a football helmet. 190,715, 6–27–61, Cl. D3—13.
McMillan, Vernon R. Face guard for a football helmet. 190,716, 6–27–61, Cl. D3—13.
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Cox, Austin E., and McMillan. 189,853.
McNeill, Albert G., to Bachmann Bros., Inc. Front for sunglasses or the like. 191,068, 8–8–61, Cl. D57—1.
McPhilben Lighting Inc.: *See*—
Lasker, Martin L. 189,857.
Rothman, Emanuel A. 191,762.
McWilliams, Arthur C. Pencil pointer. 191,247, 8–29–61, Cl. D74—21.
Meade, Clarence L. and M. E. Purse rack. 191,519, 10–10–61, Cl. D33—3.
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Barron, John E., and Blashfield. 191,124.
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Mehr, Eleanor A. Lady's shoe heel. 191,433, 10–3–61, Cl. D7—5.
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Melnor Industries, Inc.: *See*—
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Mendenhall, Thomas I. Weeder or the like. 191,056, 8–8–61, Cl. D35—2.
Mengel, Arthur W., to Amaconda Aluminum Co. Tray. 189,979, 3–28–61, Cl. D44—10.
Mengel, Harold J. Golf ball retrieving device. 191,314, 9–12–61, Cl. D34—5.
Menghi, Roberto, to Pirelli S.p.A. Gasoline can or the like. 189,768, 2–14–61, Cl. D58—17.
Merideth, Florence L. and K. R. Candle. 191,076, 8–8–61, Cl. D73—1.
Merideth, Kent R.: *See*—
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Merl, Carl: *See*—
Baxter, Ellsworth H., Merl, and Campbell. 190,114.
Merrels, Frederic P. Restaurant building. 190,365, 5–23–61, Cl. D13—1.
Merrick, Maurice J., to Tektronix, Inc. Combined viewer and camera attachment for a cathode ray oscilloscope. 190,973, 7–25–61, Cl. D61—1.
Merrill, Leland H. Counting and packaging machine for capsules or the like. 190,682, 6–20–61, Cl. D55—1.
Merrymaid Plastics Corp.: *See*—
Marcus, William. 190,894.
Marcus, William. 191,526.
Meshino, Minoru, to Morishita Jintan Co., Ltd. Box for tablets or the like. 190,142, 4–18–61, Cl. D58—11.
Messinger, Joseph H.: *See*—
Carroll, Lawrence K., Messinger, and Whitcomb. 190,513.
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Kruck, Ralph E. 190,784.
Kruck, Ralph E. 190,785.
Kruck, Ralph E. 190,786.
Kruck, Ralph E. 191,650.
Meuche, Howard. Sprinkler. 191,567, 10–10–61, Cl. D91—1.
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Meyers, Leo J. Combined railing post and bracket. 189,528, 1–3–61, Cl. D13—7.
Meyers, Leo J. Combined railing post and bracket. 189,572, 1–10–61, Cl. D13—7.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,384, 5–23–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,515, 6–6–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,754, 6–27–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,755, 6–27–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,756, 6–27–61, Cl. D45—4.

Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,757, 6–27–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 190,758, 6–27–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,407, 9–26–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,408, 9–26–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,758, 11–14–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,759, 11–14–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,760, 11–14–61, Cl. D45—4.
Meyerson, Stanley. Expansible link chain for a bracelet or the like. 191,761, 11–14–61, Cl. D45—4.
Miano, Paul P. Sugar bowl. 189,681, 1–31–61, Cl. D44—15.
Michaud, Albert J., to Sylvania Electric Products Inc. Movie light. 191,422, 9–26–61, Cl. D61—1.
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Phillips, Louis J., Armstrong, and Johnson. 190,969.
Michigan Modern Engineering Co.: *See*—
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Micrometrical Mfg. Co.: *See*—
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Milani, Louis, Foods, Inc.: *See*—
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Miles, Lewis C. Directional signal unit for a vehicle. 191,063, 8–8–61, Cl. D48—32.
Milewski, Walter C. Game board. 189,851, 3–7–61, Cl. D34—5.
Miley, David W., and E. R. Danz, to General Time Corp. Clock. 191,003, 8–1–61, Cl. D42—7.
Miller, Alvin E., to Pease Woodwork Co. Canopy dome. 190,276, 5–9–61, Cl. D13—1.
Miller, Alvin E., to Pease Woodwork Co. Shelter dome. 190,631, 6–20–61, Cl. D13—1.
Miller, Charles R. Golf practice device. 190,241, 5–2–61, Cl. D34—5.
Miller, Clarence D., and J. N. Pirok, to Chicago Bridge & Iron Co. Elevated storage tank. 190,464, 5–30–61, Cl. D91—1.
Miller, Earl E., to James Heddon's Sons. Fish lure. 191,051, 8–8–61, Cl. D31—4.
Miller, Jerome T. Combined ash tray and service light for restaurants or the like. 190,136, 4–18–61, Cl. D48—20.
Miller, Joseph V., to Russell Harrington Cutlery Co. Knife. 189,749, 2–14–61, Cl. D22—3.
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Peterman, Milton J., and Miller. 191,427.
Miller, Leslie W. Barbecue grill. 191,291, 9–5–61, Cl. D81—10.
Miller, Robert E. Cheering ornament. 191,585, 10–17–61, Cl. D34—15.
Miller, Robert P., to Danyl Industries, Inc. Handle for sliding doors and the like. 190,627, 6–20–61, Cl. D10—8.
Miller, Wallace W. Door sill. 191,162, 8–22–61, Cl. D13—6.
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Miller, Warren P.: *See*—
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Miller, William E. Combined bench and seat unit. 190,380, 5–23–61, Cl. D33—14.
Miller, William J. Ball catching basket. 190,126, 4–18–61, Cl. D34—5.
Miller, William L., to Continental Can Co., Inc. Cup. 189,540, 1–3–61, Cl. D44—9.
Millington, William, and W. M. Day, to The Baldwin Piano Co. Piano case. 190,446, 5–30–61, Cl. D56—9.
Millis, Mary C. Pin-on container for sewing accessories. 191,029, 8–8–61, Cl. D3—21.
Milwaukee Metal Products Co.: *See*—
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Minneapolis-Honeywell Regulator Co.: *See*—
Conner, James M., and Dreyfuss. 190,451.
Dreyfuss, Henry. 189,889.
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Minnesota Mining and Mfg. Co.: *See*—
Leach, Edward E. 191,399.
Reinecke, Jean O. 190,781.
Reinecke, Jean O. 190,979.
Minto, Wallace L. Combined massager and infra-red heat lamp. 190,009, 3–28–61, Cl. D83—5.
Miritz, Melvin A. Clerical rabat. 190,465, 6–6–61, D3—8.
Mirrione, James J., to J. F. D. Mfg. Co., Inc. Clip for connecting ends of plastic strip across furniture frames. 190,424, 5–30–61, Cl. D17—3.
Mirro Aluminum Co.: *See*—
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Rudebeck, Wayne F. 189,684.
Rudebeck, Wayne F. 189,685.
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Van Dusen, Laurence W. 190,403.
Mita, Itaru, to Santen Pharmaceutical Mfg. Co., Ltd. Combined dispensing bottle and cap. 189,632, 1–17–61, Cl. D58—8.
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Lotspeich, Charles A. 189,940.
Mitchell, Joseph M. Combined toothbrush and dental floss holder. 191,821, 11–28–61, Cl. D9—2.
Mitten, Frank P.: *See*—
Dom, Peter. 189,734.
Miyachi, Kiyoichi. Slipper or similar article. 189,522, 1–3–61, Cl. D7—7.
Mizejewski, Theodore C., to A. G. Spalding & Bros., Inc. Sole plate for golf clubs. 191,173, 8–22–61, Cl. D34—5.
Mobley, William R. Combined air propeller and conditioner. 190,891, 7–11–61, Cl. D62—4.
Modeline Co. of California, Inc.: *See*—
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Moksu, Walter H., and R. G. Mawney, to Texas Instruments Inc. Electrical contact or similar article. 189,578, 1–10–61. Cl. D26—13.
Molitor, Victor D. Dish cart. 191,393, 9–26–61, Cl. D14—3.
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Brush, Birchard M. 190,267.
Monarch Elevator & Machine Co., Inc.: *See*—
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Monax, Clayton A. Toy wagon. 190,288, 5–9–61, Cl. D34—15.
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Oakley, Dorothy J. 190,553.
Moore, Howard L. Desk calendar. 189,601, 1–10–61, Cl. D74—5.
Moore, William H. Housing for a power gas burner. 189,948, 3–21–61, Cl. D81—2.
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Morgan, John R. Pull. 189,871, 3–14–61, Cl. D10—8.
Morgan, John R., to Amerock Corp. Pull. 190,561, 6–13–61, Cl. D10—8.
Morgan, Lenore H. Toy figure. 191,171, 8–22–61, Cl. D34—2.
Morgan, Lenore H. Toy figure. 191,172, 8–22–61, Cl. D34—4.
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Morreale, Joseph. Underwater weed cutter. 190,822, 7–4–61, Cl. D40—1.
Morris, Charles. Table center piece. 191,004, 8–1–61, Cl. D44—24.
Morris, Nathan K. Display box or similar article. 190,529, 6–6–61, Cl. D58—11.
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Morsell, Sally B., and E. H. Coleman. Christmas tree ornament. 190,586, 6–13–61, Cl. D29—1.
Mortara, Holy, to Cole Products Corp. Beverage vending machine. 189,989, 3–28–61, Cl. D52—3.
Moser, J Parker. Dispensing container for beautician's items. 190,828, 7–4–61, Cl. D52—2.
Mosheim, Albert. Floral wash sponge. 191,865, 12–5–61, Cl. D9—2.
Mosing, Lionel W., to Bell Telephone Laboratories, Inc. Combined telephone handset and stand. 189,877, 3–14–61, Cl. D26—14.
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Krolopp, Rudolph W., and Stastny. 191,768.
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Mox, Dana W., to Uarco Inc. Autographic register. 190,533, 6–6–61, Cl. D64—11.
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Watkins, Donald E. 190,986.
Mueller, Edward G. Tape recorder. 189,751, 2–14–61, Cl. D26—14.
Muller, Josef, to Lenze KG Lichttechnische Spezialfabrik. Lighting fixture. 191,628, 10–24–61, Cl. D48—23.
Muller, Max, to Neopac AG. Closure cap for bottles or the like. 190,204, 4–25–61, Cl. D58—26.

Mullin, Clayton D., and H. W. Darr, to Maico Electronics, Inc. Sound generating audiometer. 191,564, 10–10–61, Cl. D83—12.
Mullin, John M. Key case. 191,151, 8–15–61, Cl. D87—3.
Munschauer, Frederick E., Jr., to Niagara Machine & Tool Works. Press brake. 189,560, 1–3–61, Cl. D63—1.
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Collins, Lawrence R., and Munz. 190,477.
Munz, Robert E., and L. R. Collins, to General Electric Co. Refrigerator cabinet or similar article. 190,453, 5–30–61, Cl. D67—3.
Murphy, Palmer G. Combined food and beverage vending building. 189,613, 1–17–61, Cl. D13—1.
Murphy, Victor C. Holder for sewing accessories. 189,905, 3–21–61, Cl. D3—19.
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Murray Corp. of America, The: *See*—
Chapman, Frederick D. 189,712.
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Murray, Jerome L., and D. P. Pollard, to William Thomas & Sons, Inc. Awl. 189,796, 2–21–61, Cl. D54—13.
Murray, Jerome L., and D. P. Pollard, to William Thomas & Sons, Inc. Tool kit. 190,102, 4–11–61, Cl. D58—13.
Murray, Jerome L., and D. P. Pollard, to William Thomas & Sons, Inc. Screw driver. 190,792, 6–27–61, Cl. D93—4.
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Musichuk, Alexander B., to The Hoover Co. Liquid tank for rug and floor cleaning and waxing machine. 190,626, 6–20–61, Cl. D9—2.
Musichuk, Alexander B., to The Hoover Co. Floor polisher. 191,434, 10–3–61, Cl. D9—2.
Musichuk, Alexander B., to M. T. & D. Co. Velocipede frame cover. 191,754, 11–14–61, Cl. D34—15.
Mustee, Bernard E., to E. L. Mustee & Sons, Inc. Incinerator. 191,559, 10–10–61, Cl. D81—1.
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Myers, Dean W., to Plasmadyne Corp. Electric arc metallizing sprayer. 191,966, 12–19–61, Cl. D62—2.
Myers, John P. Jet drive for boats or the like. 191,480, 10–3–61, Cl. D71—1.
Myers, Joseph T. Truck. 190,077, 4–11–61, Cl. D14—3.
Myers, Joseph T. Truck. 191,038, 8–8–61, Cl. D14—3.
Mykleby, Fred A. Toy chest. 190,999, 8–1–61, Cl. D34—15.
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Nallinger, Friedrich K. H., and K. Wilfert, to Daimler-Benz Aktiengesellschaft. Automobile. 189,530, 1–3–61, Cl. D14—3.
Nallinger, Friedrich K. H., and K. Wilfert, to Daimler-Benz Aktiengesellschaft. Automobile. 190,474, 6–6–61, Cl. D14—3.
Nallinger, Friedrich K. H., and K. Wilfert, to Daimler-Benz Aktiengesellschaft. Automobile. 191,351, 9–19–61, Cl. D14—3.
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Nelson, Christian K., to Eskimo Pie Corp. Refrigerated merchandising case for dispensing frozen food. 190,006, 3–28–61, Cl. D80—11.
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Nelson, Russell B., and Unter. 190,546.
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Nelson, Merritt J., to Grand Rapids Plating Co., Inc. Overflow and waste stop control unit for bath tubs or the like. 190,314, 5–9–61, Cl. D91—3.
Nelson, Norman E., to Doak Aircraft Co., Inc. Vertical lift cargo plane. 189,562, 1–3–61, Cl. D71—1.
Nelson, Russell B., and R. K. Unter, to L. R. Nelson Mfg. Co., Inc. Sprinkler. 190,313, 5–9–61, Cl. D91—1.
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Nesbitt, Clifford W., deceased (L. L. M. Nesbitt, administratrix), to McGraw-Edison Co. Humidifier. 190,775, 6–27–61, Cl. D62—4.
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Newman, Stanley H. Cigarette lighter. 190,521, 6–6–61, Cl. D48—27.
Newman, Stanley H. Cigarette lighter. 191,370, 9–19–61, Cl. D48—27.
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Newmark, Nancy A., to Progressive Products, Inc. Teething spoon. 191,406, 9–26–61, Cl. D44—29.
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Noe, Robert A. Swimmer's paddle wheel. 190,605, 6–13–61, Cl. D71—1.
Noga, William, and J. T. Chase, to Lockheed Aircraft Corp. Clamp. 190,138, 4–18–61, Cl. D54—13.
Nordenson, Paul H. Combined clothes hook and wall bracket for supporting a closet shelf and a hanger bar. 189,918, 3–21–61, Cl. D33—3.
Norling, James F. Battery terminal connector cap. 190,028, 4–4–61, Cl. D26—1.

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Noyes, Eliot F., and R. F. Tankard, to International Business Machines Corp. Data transmitter housing or similar article. 189,618, 1–17–61, Cl. D26—5.
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Nussbaum, David, to D. Strauss Co., Inc. Lace fabric. 189,689, 1–31–61, Cl. D47—6.
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Oakley, Dorothy J., to E. R. Moore Co. Robe. 189,520, 1–3–61, Cl. D3—26.
Oakley, Dorothy J., to E. R. Moore Co. Robe. 190,553, 6–13–61, Cl. D3—26.
Obedin, Nathan. Cloth spreading machine. 190,681, 6–20–61, Cl. D55—1.
Obergfell, Allen R., to Bell & Howell Co. Remote control switch unit or similar article. 191,358, 9–19–61, Cl. D26—13.
Oberther, Waneta N. Grave marker. 191,774, 11–14–61, Cl. D79—2.
O'Boyle, Jere B. Template for applying slurs and ties to musical compositions. 191,841, 11–28–61, Cl. D52—6.
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Lear, William P., and O'Brien. 190,443.
O'Brien, Gregory and M. J. Infant bathing and dressing tray. 191,193, 8–29–61, Cl. D5—5.
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O'Brien, Robert F. Combination toilet bowl base and flush lever. 190,275, 5–9–61, Cl. D4—5.
O'Brien, Robert F. Combination toilet bowl base and flush lever. 190,317, 5–16–61, Cl. D4—5.
O'Brien, Robert F. Combination toilet bowl base and flush lever. 190,406, 5–30–61, Cl. D4—5.
Obst, Charles J., to Flex-Let Corp. Expansion bracelet for watches. 191,527, 10–10–61, Cl. D45—4.
O'Connor, Paul M. Snowplow. 190,820, 7–4–61, Cl. D35—2.
Oddo, Charles A.: *See*—
Schwab, Nick J., and Oddo. 191,192.
O'Donnell, Charles V. Wrapped loaf of bread. 191,284, 9–5–61, Cl. D58—2.
O'Donnell, William R.: *See*—
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O'Donoghue, Edward C.: *See*—
Gardner, Robert H., Hawthorne, and O'Donoghue. 191,249.
Ogawa, Hachiro. Pencil sharpener. 190,150, 4–18–61, Cl. D74—21.
Ogletree, Raymond C. Fishing lure. 190,427, 5–30–61, Cl. D31—4.
Ohaus, Robert E., to Ohaus Scale Corp. Moisture determination balance. 189,627, 1–17–61, Cl. D52—1.
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Ohaus, Robert E. 189,627.
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Grossman, Jerome H. 190,900.
Oliver, Frank A. Earring and bead hanger. 191,557, 10–10–61, Cl. D80—8.
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Olson, John B. Bird feeder. 191,518, 10–10–61, Cl. D31—2.
Olson, Melvin L., to Simpson Timber Co. Acoustical tile. 191,109, 8–15–61, Cl. D18—2.
Olson, Richard J., to Eastman Kodak Co. Reading projector. 191,239, Cl. 8–29–61, D61—1.
Olsson, Karl A. T., and L. D. Smith, to Telefonaktiebolaget L M Ericsson. Hand-free telephone set. 189,823, 2–28–61, Cl. D26—14.
Olton, Dirck J., to Norton Co. Coated abrasive back-up pad for a rotary power sander or the like. 191,000, 8–1–61, Cl. D37—1.
Olympia Werke A.G.: *See*—
Demmel, Anton. 191,550.
Krebs, Hans, Westinger, and Altenburger. 191,643.
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Oneida Ltd.: *See*—
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Haslam, Greville B. L. 191,226.
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Ornas, Theodore, Jr., C. B. McGrew, Jr., and B. Bardos, to International Harvester Co. Vehicle cab. 191,101, 8–15–61, Cl. D14—3.
Ornas, Theodore, Jr., and C. B. McGrew, Jr., to International Harvester Co. Motor truck. 191,665, 10–31–61, Cl. D14—3.
Orr, William R. Canopy. 190,472, 6–6–61, Cl. D13—1.
O'Shea, William J. Plaque. 190,996, 8–1–61, Cl. D29—23.
O'Shea, William J. Plaque. 190,997, 8–1–61, Cl. D29—23.
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Madl, Alfred W. 190,491.
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O'Toole, Phil J., and M. H. Mater. Portable display stand for vehicles. 191,810, 11–21–61, Cl. D80—1.
Ott, William F., to ACF Industries, Inc. Carburetor. 190,264, 5–2–61, Cl. D77—1.
Otto, Carl L., to Schick, Inc. Electric shaver. 189,848, 3–7–61, Cl. D22—3.
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Irgens, Finn T. 191,524.
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Owens-Illinois Glass Co.: *See*—
Fuerst, Brooks D. 190,398.
Fuerst, Brooks D. 190,687.
Fuerst, Brooks D. 190,835.
Fuerst, Brooks D., and Sinclair. 190,141.
Lorenzen, Arnold I. 191,722.
Roberts, Bruce L. 191,071.
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Pachmayr, Frank A., to Pachmayr Gun Works, Inc. Recoil pad for firearms. 191,449, 10–3–61, Cl. D30—1.
Pachmayr Gun Works, Inc.: *See*—
Pachmayr, Frank A. 191,449.
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Palisek, William, to Interstate Metal Products Co. Desk. 191,209, 8–29–61, Cl. D33—7.
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Palma, Joseph, Jr., to Ditto Inc. Contact exposure machine or similar article. 189,702, 1–31–61. Cl. D61—1.
Palma, Joseph, Jr., to Ditto Inc. Case for a contact exposure machine or similar article. 189,703. 1–31–61. Cl. D61—1.
Palma, Joseph, Jr., to Hammond Organ Co. Electric organ. 190,053, 4–4–61, Cl. D56—2.
Palma, Joseph, Jr., to Hammond Organ Co. Electric organ. 190,140, 4–18–61, Cl. D56—2.
Palma, Joseph, Jr., to Sunbeam Corp. Clock. 191,320, 9–12–61, Cl. D42—7.
Palma, Joseph, Jr., to Ziff-Davis Publishing Co. Rotary spray paint gun. 191,476, 10–3–61, Cl. D62—2.
Palotsee, John J. Hub cap. 189,641, 1–24–61, Cl. D14—30.
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Palotsee, John J. Hub cap. 190,118, 4–18–61, Cl. D14—30.
Palotsee, John J. Wheel cover. 191,666, 10–31–61, Cl. D14—30.
Palotsee, John J. Hub cap. 191,667, 10–31–61, Cl. D14—30.
Pannutti, Antone D. Automatic chemical dispenser for use in a toilet flush tank or the like. 191,106, 8–15–61, Cl. D16—2.
Pan-Pacific Mfg. Corp.: *See*—
Kamin, George W. 189,865.
Kamin, George W. 190,066.
Papagna, Leo. Device for engaging and pulling slide fasteners. 190,123, 4–18–61, Cl. D17—3.
Pappas, Phillip M. Cooking unit and stand combination. 191,250, 8–29–61, Cl. D81—10.
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Park, Malcolm S., to The Singer Mfg. Co. Sewing machine. 190,002, 3–28–61, Cl. D70—1.
Parker, Boyd E., to George E. Parker Co. Dental chair. 190,423, 5–30–61, Cl. D15—3.
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Parker, Kenneth, to The Parker Pen Co. Fountain pen. 191,555, 10–10–61, Cl. D74—17.
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Doman, Donald W. 190,842.
Doman, Donald W. 191,998.
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Schier, Robert W. 190,262.
Schier, Robert W. 190,537.
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Parker, Wayland B., to Daystrom, Inc. Chair. 190,421, 5–30–61, Cl. D15—1.
Parks, John R., to M. I. Glass. Toy hobbyhorse vehicle. 189,790. 2–21–61, Cl. D34—15.
Parsley, Harold V., R. E. Dreyer, and G. A. Grant., to International Harvester Co. Truck body. 190,023, 4–4–61, Cl. D14—3.
Paschal, Robert L. Combined cooking and warming cabinet. 1–10–61, Cl. D81—10.
Patch, Philip G. Street sweeper. 189,718, 2–7–61, Cl. D14—3.
Patch, Robert J.: *See*—
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Patience, David A., to Rubber Products, Inc. Wall clock. 191,525, 10–10–61, Cl. D42—7.
Paul, Charles C., and N. T. Kuypers, to National Steel Corp. Window. 191,868, 12–5–61, Cl. D13—1.
Paulson Jehu D. Chair. 190,120, 4–18–61, Cl. D15—1.
Paulson, Jehu D. Chair. 190,121, 4–18–61, Cl. D15—1.
Paulson, Jehu D. Elevated storage tower. 190,948, 7–18–61, Cl. D91—1.
Paulson, Jehu D. Edifice. 191,438, 10–3–61, Cl. D13—1.
Pavenick, Stanford. Tray or similar article. 190,245, 5–2–61, Cl. D44—10.
Paveza, Charles, to The Formfit Co. Girdle. 190,731, 6–27–61, Cl. D20—2.
Pawsat, Ruben L. Luggage carrier and saddle baskets units for a bicycle or the like. 190,011, 3–28–61, Cl. D90—3.
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Peltier, Leslie C., to The Delphos Bending Co. Child's rocking toy or similar article. 190,287, 5–9–61, Cl. D34—5.
Peltier, Leslie C., to The Delphos Bending Co. Child's rocking horse toy or similar article. 190,431, 5–30–61, Cl. D34—15.
Pendleton Tool Industries, Inc.: *See*—
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Penna, Toney, to MacGregor Sport Products, Inc. Golf club head. 190,430, 5–30–61, Cl. D34—5.
Pennington, Charles W. Combined brush and shoe holder. 190,284, 5–9–61, Cl. D33—3.
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Péras, Lucien, to Regie Nationale des Usines Renault. Automobile. 191,439, 10–3–61, Cl. D14—3.
Perkins, Donald C., to Michigan Modern Engineering Co. Combined bracket and litter basket for automobiles or the like. 190,055, 4–4–61, Cl. D58—4.
Perkins, George J. Merchandise display support bracket for cash registers or the like. 191,648, 10–24–61, Cl. D80—9.
Perkovich, Mark J., to General Foods Corp. Combined scouring pad and holder. 190,167, 4–25–61, Cl. D9—2.
Perry, Charles A., to The Muter Co. Diaphragm housing for a loud speaker or the like. 191,403, 9–26–61, Cl. D26—14.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 191,225, 8–29–61, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 191,373, 9–19–61, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 191,413, 9–26–61, Cl. D54—12.
Peterkin, Delmer. Hub cap. 190,229, 5–2–61, Cl. D14—30.
Peterman, Milton J., and K. D. Miller. Protective container. 191,427, 9–26–61, Cl. D87—5.
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Russell, Linus E. 189,573.
Russell, Linus E. 191,429.
Petersen, Gerald A. M., and R. W. Goode; said Goode assor. to said Petersen. Combined wire tensioner and puller. 190,300, 5–9–61, Cl. D41—1.
Petersen, Gerald A. M., and R. W. Goode; said Goode assor. to said Petersen. Combined trailer and cable puller. 190,953, 7–25–61, Cl. D14—3.
Petersen, Henry, to Textron Electronics, Inc. Radio or the like. 190,302, 5–9–61, Cl. D56—4.
Petersen, William L., to Clarke Floor Machine Co. Combination foam and vacuum cleaner. 190,112, 4–18–61, Cl. D9—2.
Peterson Bros., Inc.: *See*—
Peterson, Frank H. 190,855.
Peterson, Everett W.: *See*—
Peterson, Howard E. and E. W. 190,274.
Peterson, Frank H., to Peterson Bros., Inc. Fender for a boat trailer or the like. 190,855, 7–11–61, Cl. D14—6.
Peterson, Howard E. and E. W. Shower faucet and temperature dial combination. 190,274, 5–2–61, Cl. D91—3.
Peterson, John S. Mold for ground meat. 191,587, 10–17–61, Cl. D44—1.
Petruccelli, Antonio J., to Radio Frequency Laboratories, Inc. Loud speaker cabinet. 190,831, 7–4–61, Cl. D56—4.
Petruccelli, Antonio J., to Radio Frequency Laboratories, Inc. Loud speaker cabinet. 190,832, 7–4–61, Cl. D56—4.
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Pettengill, Floyd E., to Armstrong Cork Co. Jug. 189,892, 3–14–61, Cl. D58—25.
Pfau, Alvin E. Combined chair and table. 190,570, 6–13–61, Cl. D15—1.
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Gilbert, Alfred R. 190,244.
Philippe, Howard L., to The Imperial Brass Mfg. Co. Soap dispenser. 189,521, 1–3–61. Cl. D4—3.
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Phillips, Gerard D., Jr., to American Radiator & Standard Sanitary Corp. Lavatory. 191,391, 9–26–61, Cl. D4—2.
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Phillips, Louis J., R. A. Armstrong, and A. B. Johnson, to Michigan Carton Co. Egg carton set up machine. 190,969, 7–25–61, Cl. D55—1.
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Smith, Herbert L. 191,553.
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Phillips, William H., Jr., to Scoville Mfg. Co. Buckle slide. 190,079, 4–11–61, Cl. D17—1.
Phipps, Lawrence C., III, to General Optics, Inc. Contact lens case. 190,344, 5–16–61, Cl. D57—1.
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Taubes, Ernest P. 190,976.

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Piar, Elmer A. Cabinet for medical electrolysis apparatus. 189,738, 2–7–61, Cl. D83—1.
Piasecki, Frank N. Transport helicopter. 191,244, 8–29–61, Cl. D71—1.
Pieplow, Hilbert W., to Basic Products Corp. Oven. 191,731, 11–7–61, Cl. D81—10.
Pierchalski, Walter. Bathtub attachment. 191,573, 10–17–61, Cl. D4—3.
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Pinke, August H., to H. D. Hudson Mfg. Co. Combined sprayer pump and container for insecticides. 191,943, 12–19–61, Cl. D31—3.
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Piotraschke, Fred J. Chair for barber or beauty shop. 189,818, 2–28–61, Cl. D15—3.
Pirelli S.p.A.: *See*—
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Pistey, Alexander. Pedestal base for statuettes. 190,740, 6–27–61, Cl. D29—23.
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Price, Clarence A., and Denhoff. 191,685.
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Platzman, Paul M. Cabinet for electrical components or the like. 191,400, 9–26–61, Cl. D26—5.
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Plishker, Herbert E., to Westinghouse Electric Corp. Electric lamp. 189,822, 2–28–61, Cl. D26—8.
Plotkin, George. Charm bracelet. 191,125, 8–15–61, Cl. D45—4.
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Gahm, Wilbert J. 191,777.
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Pobursky, Wilfred R. Tennis dart game board. 189,787, 2–21–61, Cl. D34—5.
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Podolske, Arthur R., to Milwaukee Metal Products Co. Can crusher. 191,179, 8–22–61, Cl. D55—1.
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Pool, Stedman C., to Essex Master Mold Co., Inc. Overshoe or the like. 191,575, 10–17–61, Cl. D7—4.
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Popkin, Charles B.: *See*—
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Popp, Leonard E., to James Jones Co. Fluid valve or similar article. 191,425, 9–26–61, Cl. D78—1.
Popper, Robert H. Balling gun for orally administering capsules to animals. 191,776, 11–14–61, Cl. D83—12.
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Katzfey, James M., and Hutt. 191,636.
Porter, Norman. Measuring instrument case. 191,412, 9–26–61, Cl. D52—6.
Postich, James. Combined tongs and shoe horn. 191,856, 11–28–61, Cl. D86—10.

Potter, Chad J., to Weil Service Products Corp. Magnetic holder for an automobile gasoline cap. 190,173, 4–25–61, Cl. D17—3.
Poulsen, Thomas D. Doll. 190,918, 7–18–61, Cl. D34—4.
Powers, John J., to McCabe-Powers Body Co. Utility service-truck body. 190,415, 5–30–61, Cl. D14—3.
Powers, John J., to McCabe-Powers Body Co. Utility service-truck body. 190,416, 5–30–61, Cl. D14—3.
Prada, Arnold G.: *See*—
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Prada, Helen M. and A. G. Lighter for barbecues, stoves or the like. 190,265, 5–2–61, Cl. D81—10.
Prator, Simpson V. Housing for a sewage pump station or the like. 190,470, 6–6–61, Cl. D13—1.
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Rabb, Lionel. Pair of sunglasses. 190,971, 7–25–61, Cl. D57—1.

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Freedman, Lawrence I., Tone, and Rappoport. 191,735.

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Realmuto, Frank, and J. J. Golumbo, to Command Industries Corp. Combined cigarette vending machine and automatic phonograph. 191,637, 10–24–61, Cl. D56—4.

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Realmuto, Frank, and J. J. Golumbo, to Command Industries Corp. Cigarette vending machine. 191,993, 12–26–61, Cl. D52—3.

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Reed, George A., and D. Rosen, to Gates Acoustinet, Inc. Sound absorbing cabinet for table model business machines. 190,146, 4–18–61, Cl. D64—11.

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Reed, Lawrence M. Photographic print holder. 190,207, 4–25–61, Cl. D61—1.

Reedy, Jean L. Cosmetic applicator. 190,067, 4–4–61, Cl. D86—10.

Reese, Geneva L. Spectacle frame. 191,542, 10–10–61, Cl. D57—1.

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Reinecke, Jean O., to Minnesota Mining and Mfg. Co. Label dispenser. 190,979, 7–25–61, Cl. D74—1.

Reineman, Richard G., and G. E. Schaefer, to Brunswick Corp. Locker room bench or the like. 190,231, 5–2–61, Cl. D15—11.

Reiser, John H., to Wallace China Co., Ltd. Plate or similar article. 190,041, 4–4–61, Cl. D44—15.

Reiser, John H. Plate or similar article. 190,042, 4–4–61, Cl. D44—15.

Reiser, John H., to Wallace China Co., Ltd. Plate or similar article. 190,043, 4–4–61, Cl. D44—15.

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Rench, John A. Figure tray. 190,129, 4–18–61, Cl. D44—10.

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Reuben, Samuel, Jr. Portable warning unit. 190,148, 4–18–61, Cl. D72—1.

Reuter, John, Jr. Golf club head. 190,745, 6–27–61, Cl. D34—5.

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Reynolds, Frederick, to Chrysler Corp. Automobile wheel cover. 190,372, 5–23–61, Cl. D14—30.

Reynolds, Frederick, and W. B. Pratt, to Chrysler Corp. Grille for an automobile. 190,116, 4–18–61, Cl. D14—18.

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Rhoads, Delmar D. Portable cashier unit. 189,816, 2–28–61, Cl. D14—3.

Rhoads, Delmar D. Portable refrigerator cabinet. 189,843, 3–7–61, Cl. D14—3.

Rhoads, Delmar D. Portable service cart for silverware and dishes or the like. 189,908, 3–21–61, Cl. D14—3.

Rhoads, Delmar D. Combination hot and cold food transportation and serving cart. 190,414, 5–30–61, Cl. D14—3.

Rhoads, Delmar D. Portable cashier table. 190,632, 6–20–61, Cl. D14—3.

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Rice, Albert and F. Ball type caster. 190,320, 5–16–61, Cl. D10—6.

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Rider, Gertrude F. Apron. 191,859, 12–5–61, Cl. D3—26.

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Riepe, Helmuth, and H. F. Kaiser, to L. & C. Hardtmuth, Inc. Writing instrument. 189,803, 2–21–61, Cl. D74—17.

Ries, William M., to Wheeling Steel Corp. Expanded metal sheet. 191,843, 11–28–61, Cl. D54—2.

Ries, William M., to Wheeling Steel Corp. Expanded metal sheet. 191,844, 11–28–61, Cl. D54—2.

Ries, William M., to Wheeling Steel Corp. Expanded metal sheet. 191,845, 11–28–61, Cl. D54—2.

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Ritts, Herbert. Container for a construction kit of ridable toys. 189,797, 2–21–61, Cl. D58—11.

Riviera Trading Corp.: *See*—
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Roach, Walter S. Motor vehicle. 190,478, 6–6–61, Cl. D14—3.

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Robbins, Saul, and I. Heller. Combined airplane and control panel toy. 189,584, 1–10–61, Cl. D34—15.

Robbins, Saul, and I. Heller. Toy battleship. 189,755, 2–14–61, Cl. D34—15.

Robbins, Saul, and I. Heller. Toy mortar. 189,924, 3–21–61, Cl. D34—15.

Robbins, Saul, and I. Heller. Dice spinner. 189,975, 3–28–61, Cl. D34—5.

Robbins, Saul, and I. Heller. Bubble turret gun toy. 191,213, 8–29–61, Cl. D34—15.

Robbins, Saul, and I. Heller. Display turntable. 191,809, 11–21–61, Cl. D80—1.

Roberts, Arthur J., to Chrysler Corp. Hub cap. 190,370, 5–23–61, Cl. D14—30.

Roberts, Bruce L., to Owens-Illinois Glass Co. Jug. 191,071, 8–8–61, Cl. D58—25.

Roberts, Harold J. Insecticide duster. 190,742, 6–27–61, Cl. D31—3.

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Robinson, Maurice C. Display blister for a package of ribbon and a bow or the like. 190,394, 5–23–61, Cl. D58—2.

Robinson, Maurice C. Display blister for a package of ribbon, paper and bow, or the like. 190,395, 5–23–61, Cl. D58—2.

Robinson, Maurice C. Display blister for a package of bows and ribbon, or the like. 190,396, 5–23–61, Cl. D58—2.

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Robinson, William H. Combined container and closure therefor. 189,594, 1–10–61, Cl. D58—12.

Robinson, William W., to Arnold Bakers, Inc. Bread tray. 191,323, 9–12–61, Cl. D44—10.

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Allen, Kenneth A., and Roder. 191,972.

Rodman, Hazel P. Water closet or similar article. 191,938, 12–19–61, Cl. D4—5.

Rodriguez, Emil, to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 190,132, 4–18–61, Cl. D45—4.

Rodriguez, Emil, to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 190,133, 4–18–61, Cl. D45—4.

Rodriguez, Emil, to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 191,218, 8–29–61, Cl. D45—4.

Rodriguez, Emil, to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 191,219, 8–29–61, Cl. D45—4.

Rodriguez, Emil, to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 191,220, 8–29–61, Cl. D45—4.

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Curtin, Paul J., Smith, and Rodriguez. 191,534.

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Hale, Thomas K., and Roe. 191,921.

Rohrmuller, August. Stand for flower pots. 191,317, 9–12–61, Cl. D35—3.

Roko, Inc.: *See*—
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Rollitt, John, to Armstrong Patents Co. Ltd. Housing for an actuator or the like for hydraulic systems. 190,696, 6–20–61, Cl. D65—1.

Rollitt, John, to Armstrong Patents Co. Ltd. Hydraulic remote control unit. 191,013, 8–1–61, Cl. D55—1.

Rolyn Tool & Finding Co.: *See*—
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Rommel, Alex A. Airship. 189,943, 3–21–61, Cl. D71—1.

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Ronson Corp. of Delaware: *See*—
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Freedman, Lawrence I., Tone, and Rappoport. 191,735.

Ronson Corp., and Josiah Wedgwood & Sons Ltd.: *See*—
Skellern, Victor. 191,680.

Roop, Nathan W., to Columbus Plastic Products, Inc. Picnic jug or similar article. 191,723, 11–7–61, Cl. 58—17.

Roper, Lawrence T. Lobster server. 190,437, 5–30–61, Cl. D44—15.

Rorie, George C., to Lone Star Boat Co. Canopy for a boat. 189,657, 1–24–61, Cl. D71—1.

Rose, John F., and H. W. Darr, to Maico-Electronics, Inc. Combined eyeglass temple and hearing aid casing. 190,884, 7–11–61, Cl. D57—1.

Roselaar, Theodore T. Bottle or the like. 190,836, 7–4–61, Cl. D58—9.

Rosen, Dexter: *See*—
Reed, George A., and Rosen. 190,145.
Reed, George A., and Rosen. 190,146.

Rosenberg, Sherman, to Roko, Inc. Toy doll or similar article. 191,789, 11–21–61, Cl. D34—4.

Rosenberger, Frank B. Ash tray. 190,942, 7–18–61, Cl. D85—2.

Rosenblum, Herman. Cover for toilet paper recess. 191,739, 11–14–61, Cl. D4—3.

Rosendall, Henry T., Jr.: *See*—
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Rosenfeld, Alfred J. Balancing toy. 190,504, 6–6–61, Cl. D34—15.

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Roskam, Oliver H. Seed package. 190,685, 6–20–61, Cl. D58—2.

Ross, Albert, to Doggie Diner No. 6, Inc. Open air cafeteria. 190,628, 6–20–61, Cl. D13—1.

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Roth, Irving R., and S. V. Baxter, to Orcco Industries, Inc. Rug cushioning material. 189,634, 1–17–61, Cl. D92—4.

Rothman, Emanuel A., to McPhilben Lighting Inc. Lighting fixture. 191,762, 11–14–61, Cl. D48—4.

Rouse, Calvin. Child's sports car. 190,024, 4–4–61, Cl. D14—3.

Rowland, Donald G., and W. F. Conway, to The B. F. Goodrich Co. Carpet underlay. 191,818, 11–21–61, Cl. D92—4.

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Covey, Laird F. 190,256.
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Breneman, Joseph C. 191,901.

Rubin, Edward M., to Commonwealth Plastics Corp. Combined appointment clock dial and memo pad holder. 191,482, 10–3–61, Cl. D74—1.

Rubin, Morris, to North East Metal Products Corp. Door frame. 190,412, 5–30–61, Cl. D13—1.

Rubinfield, Don L., to Master Mfg. Co., Inc. Floor waxer. 191,031, 8–8–61, Cl. D9—2.

Rude, Raymond C. Diving tower. 191,830, 11–28–61, Cl. D34—5.

Rudebeck, Wayne F., to Mirro Aluminum Co. Cover handle. 189,684, 1–31–61, Cl. D44—29.

Rudebeck, Wayne F., to Mirro Aluminum Co. Handle for a sauce pan. 189,685, 1–31–61, Cl. D44—29.

Rudolph, Valerie G. Surgical cap. 190,849, 7–11–61, Cl. D3—13.

Rudy, James A., to Owens-Illinois Glass Co. Bottle. 190,834, 7–4–61, Cl. D58—6.

Rulon-Miller, Robert, and W. H. Tabor, to Dixon Corp. Cover for saddles of spinning frames. 190,622, 6–13–61, Cl. D92—15.

Ruskin, Frances R. Combined nose guard and sun reflector for tanning the face. 191,252, 8–29–61, Cl. D83—1.

Ruskin, Henry, to Swingline, Inc. Cap for a stapling machine or similar article. 190,536, 6–6–61, Cl. D74—1.

Ruskin, Henry, and S. I. Kohen, to Swingline Inc. Stapling plier or similar article. 191,646, 10–24–61, Cl. D74—1.

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Miller, Joseph V. 189,749.

Russell, Fred J. Combined knob and escutcheon. 191,471, 10–3–61, Cl. D50—3.

Russell, Linus E., to Peters & Russel, Inc. Exhaust deflector. 189,573, 1–10–61, Cl. D14—6.

Russell, Linus E., to Peters & Russell, Inc. Two way valve. 191,429, 9–26–61, Cl. D91—3.

Russo, Michael T. Bottle carrier. 191,417, 9–26–61, Cl. D58—5.

Rutherford, Gerald D. Building. 190,901, 7–18–61, Cl. D13—1.

Rutkin, Seymour. Partition. 191,502, 10–10–61, Cl. D13—1.

Rutman, Ralph G., to Mack Trucks, Inc. Truck. 191,607, 10–24–61, Cl. D14—3.

Rutter, Sheldon M., to Birmingham Ornamental Iron Co., Inc. Chair. 191,741, 11–14–61, Cl. D15—1.

Ruttman, Bert L.: *See*—
Barber, Lavelle D., and Ruttman. 190,134.

Ryan, Edgar F. Combined adjustable horizontal bar and incline table for exercising. 191,690, 10–31–61, Cl. D83—1.

Ryan, John W. Toy rifle. 190,286, 5–9–61, Cl. D34—15.

Rybicki, Irvin W., to General Motors Corp. Wheel cover. 189,574, 1–10–60, Cl. D14—30.
Rybicki, Irvin W., to General Motors Corp. Bumper for an automobile or the like. 190,856, 7–11–61, Cl. D14—6.
Rybicki, Irvin W., to General Motors Corp. Wheel cover. 190,858, 7–11–61, Cl. D14—30.
Rybinski, Mitchell V. Can puncturing device. 191,278, 9–5–61, Cl. D44—29.
Ryhn, Douglas C. Decorative screen element. 191,842, 11–28–61, Cl. D54—2.
Saar, Johann, G.m.b.H.: *See*—
Schanz, Günther. 191,144.
Saeks, Alvin L. Ash tray. 190,845, 7–4–61, Cl. D85—2.
Saffer, Meyer. Toy blender. 191,457, 10–3–61, Cl. D34—15.
Sagarin, Philip H., and W. R. O'Donnell, to VCA Inc. Aerosol dispenser for perfume or the like. 191,487, 10–3–61, Cl. D83—1.
Sager, Abraham G. Ring display holder. 189,947, 3–21–61, Cl. D80—9.
St. Lawrence Mfg. Co., Inc.: *See*—
Kesner, Richard N., and Hawes. 189,854.
Saito, Tadashi: *See*—
Shimada, Satoshi, Kitamura, and Saito. 191,228.
Saks, David and F. Centerpiece flower arranger. 190,506, 6–6–61, Cl. D35—3.
Saks, Fay: *See*—
Saks, David and F. 190,506.
Salis, Benjamin. Display tray for bottles or the like. 190,974, 7–25–61, Cl. D58—13.
Salm, Arthur, to Arthur Salm, Inc. Combined billfold and calendar. 190,707, 6–20–61, Cl. D87—3.
Salm, Arthur, and W. Henkels, to Arthur Salm, Inc. Library set case. 190,578, 6–13–61, Cl. D22—5.
Salm, Arthur, Inc.: *See*—
Bradford, Ronald A., and La Zar. 190,878.
Salm, Arthur. 190,707.
Salm, Arthur, and Henkels. 190,578.
Wildgen, Leo F. 189,882.
Salvail, Omer. Strap tensioning tool. 191,328, 9–12–61, Cl. D54—13.
Sampson, Robert L. Combined clock and radio. 191,540, 10–10–61, Cl. D56—4.
Sampson, Rudolph A., ⅓ to W. C. Jennings, and ⅓ to I. T. Swartwood. Tumbler or similar article. 189,679, 1–31–61, Cl. D36—8.
San Antonio, Louis. Ceramic ink and brush holder. 191,891, 12–5–61, Cl. D74—1.
Sanborn, Philip D. Combined aerosol cap, actuating button, and dispenser. 190,938, 7–18–61, Cl. D62—2.
Sanchez, Daniel F., and W. Crosier, Jr. Multi-compartment beverage dispensing carton. 190,450, 5–30–61, Cl. D58—17
Sandin, Ray C.: *See*—
La Zar, Ralph M., and Sandin. 190,211.
Sands, John. Jewelry display easel. 191,558, 10–10–61, Cl. D80—9.
Sanitary Scale Co.: *See*—
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Sanjo Utility Mfg. Co., Inc.: *See*—
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Mita, Itaru. 189,632.
Santos, Joaquin: *See*—
Rambusch, Harold W., and Santos. 190,671.
Saputo, Ignatius A. Serving tray or similar article. 189,792, 2–21–61, Cl. D44—10.
Sarah, Thomas F.: *See*—
Sparks, Walton E., and Sarah. 191,114.
Sardis Luggage Co.: *See*—
Levine, Abraham. 189,626.
Savage, Leonard H., to American Metal Hardware Co. Handle and lock unit. 189,524, 1–3–61, Cl. D10—8.
Sawicki, John: *See*—
Taft, Robert M., and Sawicki. 191,479.
Saxe Brothers, Inc.: *See*—
Saxe, Walter A. 190,821.
Saxe, Walter A., to Saxe Brothers, Inc. Flower holder for use with a candle. 190,821, 7–4–61, Cl. D35—3.
Sayger, Frank D., and D. E. Browne, to Da-Lite Screen Co., Inc. Case end cap for photographic screens. 189,893, 3–14–61, Cl. D61—1.
Scaglione, Salvatore F. Lamp base. 190,826, 7–4–61, Cl. D48—20.
Schacher, Louis, D. F. Wheeler, and J. F. Drum, Jr. Bottle. 191,069, 8–8–61, Cl. D58—8.
Schacher, Louis, D. F. Wheeler, and J. F. Drum. Bottle. 191,770, 11–14–61, Cl. D58—6.
Schaefer, F. & M., Brewing Co., The: *See*—
Anstin, Harold. 191,695.
Schaefer, George E.: *See*—
Reineman, Richard G., and Schaefer. 190,231.
Schaefer, George E., to Brunswick Corp. Seat or the like. 191,742, 11–14–61, Cl. D15—8.
Schaefer, George E., to Brunswick Corp. Bowling rack or the like. 191,790, 11–21–61, Cl. D34—5.
Schaller, Oscar, & Co. Nachf.: *See*—
Dennl, Edwin. 190,336.
Schanz, Günther, to Johann Saar G.m.b.H. Combination storing and stacking case. 191,144, 8–15–61, Cl. D58—12.
Scharfenberg, George T., and J. N. Polivka, to Electro-Solid Controls, Inc. Electronic depth meter. 191,581, 10–17–61, Cl. D26—1.
Scheib, Siegfried F. Necktie. 190,071, 4–11–61, Cl. D3—16.
Scheid, Erich M. Carpet sweeper or the like. 189,523, 1–3–61, Cl. D9—2.
Scheid, Erich M. Casing for a power unit of a comminuting machine or the like. 190,069, 4–4–61, Cl. D89—1.
Scheid, Erich M. Floor polisher. 190,409, 5–30–61, Cl. D9—2.
Schenley Industries, Inc.: *See*—
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Du Pree, Ernest L. 189,698.
Du Pree, Ernest L. 189,699.
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Scheuer, Bert, Inc.: *See*—
Scheuer, Bertram. 192,001.
Scheuer, Bertram, to Bert Scheuer, Inc. Bicycle chain guard. 192,001, 12–26–61, Cl. D90—5.
Scheuer, Charles G. Convertible chair and prie dieu. 191,743, 11–14–61, Cl. D15—8.
Scheuerlein, Alvin A. Ash tray. 190,358, 5–16–61, Cl. D85—2.
Scheurman, Otto A. Altar cloth or similar article. 191,815, 11–21–61, Cl. D92—1.
Scheurman, Otto A. Altar cloth or similar article. 191,816, 11–21–61, Cl. D92—1.
Scheurman, Otto A. Altar cloth or similar article. 191,817, 11–21–61, Cl. D92—1.
Schick, Inc.: *See*—
Otto, Carl L. 189,848.
Segre, Luigi, and Badnaruk. 191,517.
Schler, Robert W., to The Parker Pen Co. Writing instrument. 190,262, 5–2–61, Cl. D74—17.
Schler, Robert W., to The Parker Pen Co. Clip for a writing instrument or the like. 190,537, 6–6–61, Cl. D74—2.
Schilling, Paul A., and T. G. Mairs. Packing sheet. 189,891, 3–14–61, Cl. D58—13.
Schimmelpfennig, Fred J., and W. E. Robinson, to Chrysler Corp. Automobile wheel cover. 190,371, 5–23–61, Cl. D14—30.
Schinske, William G., to Ideal Industries, Inc. Screw-on cap connector. 190,326, 5–16–61, Cl. D26—1.
Schinske, William G., to Ideal Industries, Inc. Screw-on cap connector. 190,327, 5–16–61, Cl. D26—1.
Schinske, William G., to Ideal Industries, Inc. Screw-on-cap connector. 190,378, 5–23–61, Cl. D26—1.
Schinske, William G., to Ideal Industries, Inc. Screw-on cap connector. 190,379, 5–23–61, Cl. D26—1.
Schinske, William G., to Ideal Industries, Inc. Screw-on cap connector. 190,582, 6–13–61, Cl. D26—1.
Schinske, William G., to Ideal Industries, Inc. Screw-on connector. 190,583, 6–13–61, Cl. D26—1.
Schlage Lock Co.: *See*—
Denker, Roy S. 191,535.
Denker, Roy S. 191,536.
Denker, Roy S. 191,631.
De Vines, Hollis L. 191,032.
Schlager, Joseph. Patio cover. 190,722, 6–27–61, Cl. D13—1.
Schlaich, Robert. Cabinet for instruments or the like. 190,678, 6–20–61, Cl. D52—6.
Schlosser, Raphael. Trailer hitch ball cover. 190,636, 6–20–61, Cl. D14—6.
Schlumbohm, Peter. Insulating jacket. 190,040, 4–4–61, Cl. D44—10.
Schlumbohm, Peter. Combined bowl and colander. 191,588, 10–17–61, Cl. D44—15.
Schlumbohm, Peter. Decanter or similar article. 191,589, 10–17–61, Cl. D44—21.
Schlumbohm, Peter. Decanter or similar article. 191,590, 10–17–61, Cl. D44—21.
Schlumbohm, Peter. Electric fan or similar article. 191,707, 11–7–61, Cl. D26—7.
Schmahl, George. Electric inhaler. 191,733, 11–7–61, Cl. D83—1.
Schmiedeke, Denis C.: *See*—
Hawthorne, Herbert L., and Schmiedeke. 190,799.
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Schnur, Martin, and M. Appel, to Deka Plastics, Inc. Butter dish or similar article. 190,186, 4–25–61, Cl. D44—5.
Schoen, Philip B. Comb. 189,867, 3–7–61, Cl. D86—8.
Schoenberger, Philip J. Ash tray. 191,026, 8–1–61, Cl. D85—2.
Schoendorf, John. Toy chest. 191,364, 9–19–61, Cl. D34—15.
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Scholz Homes, Inc.: *See*—
Scholz, Donald J. 190,410.
Scholz, Louis A. Sump vault cover. 191,184, 8–22–61, Cl. D60—2.
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Daniels, Elmer H. 190,798.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Velocipede. 189,674, 1–31–61, Cl. D34—15.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Velocipede. 189,675, 1–31–61, Cl. D34—15.

Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Velocipede. 189,676, 1–31–61, Cl. D34—15.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Velocipede. 189,677, 1–31–61, Cl. D34—15.
Schreckengost, Viktor, to Holophane Co., Inc. Wall lighting fixture or similar article. 190,385, 5–23–61, Cl. D48—4.
Schreckengost, Viktor, to Holophane Co., Inc. Lens for lighting fixtures. 190,386, 5–23–61, Cl. D48—16.
Schreckengost, Viktor, to Holophane Co., Inc. Lens for lighting fixtures. 190,759, 6–27–61, Cl. D48—16.
Schreckengost, Viktor, to Holophane Co., Inc. Luminaire lens. 190,921, 7–18–61, Cl. D48—16.
Schroeder, Frank J. Combination desk unit. 191,932, 12–12–61, Cl. D74—5.
Schroeder, Paul A., to Plastic Specialties, Inc. Dish or the like. 191,215, 8–29–61, Cl. D44—15.
Schulte, Max M. Pipe holder or similar article. 190,311, 5–9–61, Cl. D85—8.
Schultz, Lea S. Combined door handle and lock unit. 190,562, 6–13–61, Cl. D10—8.
Schultz, Lea S., to Newport News Shipbuilding and Dry Dock Co. Combined lock and handle unit for doors. 191,632, 10–24–61, Cl. D50—1.
Schultz, Moses R., to Knoll Associates, Inc. Table or the like. 190,998, 8–1–61, Cl. D33—14.
Schumacher, Henry J.: *See*—
Forstrom, Everett L., and Schumacher. 191,693.
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Sieber, Peter, and Schürer. 190,493.
Schuss, Philip, to Columbus Coated Fabrics Corp. Plastic sheet material. 189,774, 2–14–61, Cl. D87—3.
Schwab, Nick J., and C. A. Oddo, to International Breweries, Inc. Advertising display sign. 191,192, 8–29–61, Cl. D1—12.
Schwartz, Allen, to Pycope, Inc. Toothbrush or similar article. 190,073, 4–11–61, Cl. D9—2.
Schwartz, Bernard, to Globe Rubber Products Corp. Swimming mask. 191,087, 8–8–61, Cl. D88—1.
Schwartz, Daniel M., and T. N. Hackett, to The Eimco Corp. Tractor. 190,803, 7–4–61, Cl. D14—3.
Schwartz, Edwin L., and E. Wilk. Curb feeler bracket. 190,115, 4–18–61, Cl. D14—6.
Schwartz, Harry, and S. Silverstein, to Lincoln Metal Products Corp. Cake server. 190,751, 6–27–61, Cl. D44—19.
Schwartz, John J., and A. D. Verlo, to Standard Packaging Corp. Cup tray for automobiles. 191,444, 10–3–61, Cl. D14—6.
Schwartz, Milton, to Carrols Drive-In System, Inc. Support for a canopy or the like. 191,099, 8–15–61, Cl. D13—1.
Schwartz, Nathan R., to Naras Research Inc. Fluorescent lamp shade. 190,517, 6–6–61, Cl. D48—20.
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Schwarz, John E., to Chrysler Corp. Automobile grille. 189,532, 1–3–61, Cl. D14—18.
Schwarz, John E., to Chrysler Corp. Automobile bumper. 190,727, 6–27–61, Cl. D14—6.
Schwarz, Maurice L., to The Eis Automotive Corp. Power brake test stand. 191,954, 12–19–61, Cl. D52—6.
Scott, Allen G., to The Progress Electronics Corp. Overhead railway track unit. 191,601, 10–17–61, Cl. D66—3.
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Benzel, Howard A. 191,485.
Scott, Robert J., W. A. Chappell, and J. L. Grant, to J. C. Hockery, trustee for H. J. and F. L. Talge. Can opener. 190,489, 6–6–61, Cl. D22—2.
Scovill Mfg. Co.: *See*—
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Chapman, Romaine C. 191,846.
Harris, William H. 189,597.
Phillips, William H., Jr. 190,079.
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Grosskopf, John A. 191,306.
Scruggs, Thelma I. Compartmented plate. 190,188, 4–25–61, Cl. D44—15.
Sealfast Electronics Corp.: *See*—
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Heiniger, Daniel W. 190,665.
Small, George E. 190,007.
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Segre, Luigi, and W. C. Badnaruk, to Schick Inc. Electric shaver. 191,517, 10–10–61, Cl. D22—3.
Segui, Felis T. Revolving whistle toy. 190,505, 6–6–61, Cl. D34—15.
Segui, Felis T. Musical toy whistle. 191,831, 11–28–61, Cl. D34—15.
Selby, John. Parking canopy. 189,810, 2–28–61, Cl. D13—1.
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Serbin, Norbert. Trophy. 191,270, 9–5–61, Cl. D29—23.
Serin, Andrew. Combined ballpoint pen and letter opener. 189,772, 2–14–61, Cl. D74—17.
Seron, Saundra B. Puppet. 190,032, 4–4–61, Cl. D34—2.
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Kirkman, Fredrick J. 190,137.
Sevebeck, Laurin L., to Western Electric Co., Inc. Data transmitter housing or similar article. 191,941, 12–19–61, Cl. D26—5.
Shaar, Edward C., to The Delman Co. Closure for windshield washer reservoir or the like. 191,420, 9–26–61, Cl. D58—26.
Shabbarrasi, Anthony J. Organ keyboard. 190,301, 5–9–61, Cl. D56—2.
Shagla, Chris T. Collection box. 191,118, 8–15–61, Cl. D34—5.
Shalom, Victor. Display carton for a child's wearing apparel or the like. 189,997, 3–28–61, Cl. D58—12.
Shames, Harold and S. J. Aerator for faucets or the like. 191,691, 10–31–61, Cl. D91—3.
Shames, Sidney J.: *See*—
Shames, Harold and S. J. 191,691.
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Hall, William B., and Thomson. 191,775.
Sharma, Devendra N. Cigarette lighter or similar article. 191,765, 11–14–61, Cl. D48—27.
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Shaw, Jack H., to Penparts Ltd. Pen. 191,340, 9–12–61, Cl. D74—17.
Sheahan, Robert E., to The Bassick Co. Caster. 190,560, 6–13–61, Cl. D10—6.
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Sheek, Richard B., to Hanes Hosiery Mills Co. Stocking. 189,690, 1–31–61, Cl. D47—7.
Sheeley, David D., to General Motors Corp. Control panel and lamp housing unit for a laundry appliance or the like. 190,296, 5–9–61, Cl. D49—1.
Sheldon, Alma I., to S. H. Camp & Co. Abdominal support. 190,375, 5–23–61, Cl. D20—2.
Sheldon, Alma I., to S. H. Camp & Co. Girdle. 190,575, 6–13–61, Cl. D20—2.
Sheldon, Robert S., to Kahn & Co., Inc. Water brake for rotor pumps or similar articles. 191,730, 11–7–61, Cl. D77—1.
Sher, Hanford G., to Contour Chair-Lounge Co., Inc. Chair. 190,281, 5–9–61, Cl. D15—11.
Sher, Hanford G., to Contour Chair-Lounge Co., Inc. Chair. 191,164, 8–22–61, Cl. D15—11.
Sherman, Marvin H., to Standard Luggage of Los Angeles. Suitcase. 190,269, 5–2–61, Cl. D87—5.
Sherman, Marvin H., to Standard Luggage of Los Angeles. Suitcase. 190,270, 5–2–61, Cl. D87—5.
Sherman, Marvin H., to Standard Luggage of Los Angeles. Suitcase. 190,271, 5–2–61, Cl. D87—5.
Shimada, Satoshi, N. Kitamura, and T. Saito, to Sony Corp. Television receiver or similar article. 191,228, 8–29–61, Cl. D56—4.
Shirley, Richard. Combined aquarium and support therefor. 191,897, 12–5–61, Cl. D91—2.
Sho, Koji, and T. Okada, to Nippon Kogaku K. K. Motion picture camera. 190,692, 6–20–61, Cl. D61—1.
Shock, Frank E. Storage rack for a table tennis set. 191,709, 11–7–61, Cl. D33—3.
Shoemaker, Montgomery J. Votive lighting fixture. 190,518, 6–6–61, Cl. D48—20.
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Shotmeyer, Albert M. Service station building or the like. 190,629, 6–20–61, Cl. D13—1.
Shuckra, Ruth W. Finger ring or similar article. 189,543, 1–3–61, Cl. D45—10.
Shulton, Inc.: *See*—
Jakubowski, Theodore P. 189,941.
Shumaker, Hugh W. Wind deflector. 189,747, 2–14–61, Cl. D14—6.

Shure Brothers, Inc.: *See*—
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Shurtleff, George A. Pillow toy. 190,184, 4–25–61, Cl. D34—15.
Sidney, Milton M., and D. Woolley, to Mallman Bros., d.b.a. Durham Enders Razor Co. Razor or the like. 191,357, 9–19–61, Cl. D22—3.
Sieber, Peter, and A. Schürer, to Olympia Werke A.G. Dictating machine. 190,493, 6–6–61, Cl. D26—5.
Siebert, Robert C., to Chrysler Corp. Fender for an automobile. 189,531, 1–3–61, Cl. D14—6.
Siegel, Milton M., to Columbia Plastics Corp. Plastic boat. 190,893, 7–11–61, Cl. D71—1.
Siegmann, John C., to Interchemical Corp. Plastic coated fabric or similar article. 191,255, 8–29–61, Cl. D87—3.
Sierra Development Co.: *See*—
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Bruce, Donald S. 191,839.
Bruce, Donald S., and Dickson. 191,409.
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Silberberg, Joachim. Jacket. 190,848, 7–11–61, Cl. D3—4.
Silverman, Shep, to Southbridge Plastic Co. Inc. Plastic sheet material. 190,613, 6–13–61, Cl. D87—3.
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Park, Malcolm S. 190,001.
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Singer, Roger M., to Proctor & Schwartz, Inc. Door latch. 191,797, 11–21–61, Cl. D50—5.
Singletary, Robert A. Portable hydraulic hoist. 191,319, 9–12–61, Cl. D41—1.
Sinoto, Nori. Tea bag holder. 191,368, 9–19–61, Cl. D44—24.
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Sisco, Richard. Liquid dispensing carton. 190,688, 6–20–61, Cl. D58—17.
Sittser, Gerald L. Clock. 190,291, 5–9–61, Cl. D42—7.
Skellern, Victor, to Ronson Corp. and Josiah Wedgwood & Sons Ltd. Table lighter. 191,680, 10–31–61, Cl. D48—27.
Skil Corp.: *See*—
Kuenzl, Frank J. 190,185.
Kuenzl, Frank J. 190,200.
Kuenzl, Frank J. 190,316.
Skilar, William F. Water ski aerial glider, or similar article. 191,928, 12–12–61, Cl. D71—1.
Skowronski, Helene E. Woven slat fabric. 189,565, 1–3–61, Cl. D92—1.
Skupien, Frank. Cup. 191,464, 10–3–61, Cl. D44—9.
Skupien, Frank. Combined bank and drinking cup. 191,465, 10–3–61, Cl. D44—9.
Slade, Duncan E., to United States Rubber Co. Plastic overshoe. 189,742, 2–14–61, Cl. D7—7.
Slagell, Lloyd D. Vegetable juicing machine or similar article. 190,217, 4–25–61, Cl. D89—1.
Slagell, Lloyd D. Vegetable juicing machine or similar article. 190,272, 5–2–61, Cl. D89—1.
Slais, Joseph A. Game board. 191,116, 8–15–61, Cl. D34—5.
Slais, Joseph A. Playing card for a game. 191,119, 8–15–61, Cl. D34—5.
Slater, Thomas F., to Scovill Mfg. Co. Closure for a cosmetic container. 189,598, 1–10–61, Cl. D58—26.
Slater, Thomas F., to Scovill Mfg. Co. Lipstick container. 190,215, 4–25–61, Cl. D86—10.
Slaton, Leo R., to Swiss Harmony, Inc. Combined lamp and rotary beacon. 189,984, 3–28–61, Cl. D48—24.
Slightam, Robert M. Combined paddle and hoop target therefor. 190,817, 7–4–61, Cl. D34—5.
Slyder, Carl, Jr.: *See*—
Carter, Charles W., Woodson, Slyder, and McKee. 191,872.
Smajd, Carl F.: *See*—
Blankenship, Arthur C., Youngblood, and Smajd. 190,985.
Smajd, Carl F., to United States Rubber Co. Tire. 191,652, 10–24–61, Cl. D90—20.
Small, George E., to Sears, Roebuck and Co. Cooking range. 190,007, 3–28–61, Cl. D81—4.
Small, Lillian. Muffler or the like. 190,949, 7–25–61, Cl. D3—16.
Smallman, Samuel J. Combined billfold and change purse. 190,943, 7–18–61, Cl. D87—3.
Smart, Edwin A.: *See*—
Campbell, Hugh L., III, and Smart. 190,609.
Smith, Bernard N.: *See*—
Haga, Henry G., and Smith. 191,353.
Smith-Byrd Co., Inc., The: *See*—
Smith, John B. 189,814.
Smith-Corona Marchant Inc.: *See*—
Chase, David O., and Stevens. 190,693.
Chase, David O., and Stevens. 191,724.
Chase, David O., and Stevens. 191,967.
Chase, David O., and Stevens. 191,997.
Smith, Dorothy W. Set of playing cards. 189,922, 3–21–61, Cl. D34—5.
Smith, Edward B., Jr.: *See*—
Curtin, Paul J., Smith, and Rodriguez. 191,128.
Curtin, Paul J., Smith, and Rodriguez. 191,534.
Smith, George E. K. Stilt. 189,672, 1–31–61, Cl. D34—5.
Smith, Herbert. Truck. 189,640, 1–24–61, Cl. D14—3.
Smith, Herbert L., to S. J. Tamkin d.b.a. Phillips Mfg. Co. Soda fountain, or similar article. 191,493, 10–10–61, Cl. D2—3.
Smith, Herbert L., to S. J. Tamkin d.b.a. Phillips Mfg. Co. Combination ice making machine and storage cabinet or the like. 191,553, 10–10–61, Cl. D67—3.
Smith, Jerome S. Panel unit for a room divider or similar article. 191,659, 10–31–61, Cl. D13—1.
Smith, Jerome S. Panel unit for a room divider or similar article. 191,660, 10–31–61, Cl. D13—1.
Smith, John B., to The Smith-Byrd Co., Inc. Hand truck. 189,814, 2–28–61, Cl. D14—3.
Smith, Katherine S. Combination rack and towel bar. 191,574, 10–17–61, Cl. D4—3.
Smith, Lewell D.: *See*—
Olsson, Karl A. T., and Smith. 189,823.
Smith, Lloyd B., G. L. Turner, and C. H. Harris. Sprinkler base. 189,903, 3–14–61, Cl. D91—1.
Smith, Lloyd B., G. L. Turner, and C. H. Harris. Sprinkler. 190,463, 5–30–61, Cl. D91—1.
Smith, Raymond A., and E. Budke, III., to The Jacobs Mfg. Co. Lathe chuck. 189,992, 3–28–61, Cl. D54—6.
Smith, Raymond P. Combined tent and trailer. 191,606, 10–24–61, Cl. D14—3.
Smith, Robert G.: *See*—
Thomson, Ernest F., and Smith. 190,868.
Smith, Robert L., to Bell & Howell Co. Motion picture camera. 190,690, 6–20–61, Cl. D61—1.
Smith, Robert L., to Bell & Howell Co. Motion picture projector or similar article. 191,475, 10–3–61, Cl. D61—1.
Smith, Thomas R., to The Maytag Co. Laundry appliance control panel. 191,919, 12–12–61, Cl. D49—1.
Smith, Ving, to General Electric Co. Portable range and food service combination or similar article. 189,949, 3–21–61, Cl. D81—10.
Smolinski, Henry A. Airplane. 190,534, 6–6–61, Cl. D71—1
Sneller, James A.: *See*—
Wyle, Frank S., and Sneller. 190,801.
Snow, William H., to Your Pleasure Corp. Clothes dryer. 191,840, 11–28–61, Cl. D49—1.
Societe en Commandite Simple et en Nom Collectif a l'egard des Gerants dite: Societe Industrielle & Commerciale des Ouvriers Lunetiers (Cottet, Poithet Tagnon & Cie): *See*—
Cretin Maitenaz, Bernard. 191,014.
Sodeman, Lyle L., to Curtis Companies Inc. Housing for window drive operator. 189,963, 3–28–61, Cl. D10—10.
Soffer, Jack W., to Development Research, Inc. Closure cap. 189,557, 1–3–61, Cl. D58—26.
Solar Products, Inc.: *See*—
Besnah, Gerald A. 190,541.
Solie, Orville B.: *See*—
Swarts, Ernest L., and Solie. 189,784.
Swarts, Ernest L., and Solie. 189,785.
Swarts, Ernest L., and Solie. 190,017.
Swarts, Ernest L., and Solie. 190,179.
Swarts, Ernest L., and Solie. 191,657.
Solomon, Howard D., to Lou-Edna Solomon Trusts. Ring gauge. 189,763, 2–14–61, Cl. D52—6.
Solomon, Lou-Edna, Trusts: *See*—
Solomon, Howard D. 189,763.
Solvsmedie, George Jensens, A.S.: *See*—
Pedersen, Anders H. 190,752.
Sony Corp.: *See*—
Shimada, Satoshi, Kitamura, and Saito. 191,228.
Sorge, Leonard R., to United Aircraft Corp. Passenger seat. 189,779, 2–21–61, Cl. D51—8.
Soto, Richard C.: *See*—
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Soucy, George H., to Brown & Sharpe Mfg. Co. Micrometer. 189,933, 3–21–61, Cl. D52—6.
Soundscriber Corp., The: *See*—
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Silverman, Shep. 190,613.
Southeastern Metals Co.: *See*—
Alverson, Earl E. 190,172.
Alverson, Earl E. 190,180.
Alverson, Earl E. 190,181.
Alverson, Earl E. 190,502.

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Whitener, Loyd A., Jr., and Carpenter. 189,846.
Spadaro, Giorgio I., to Acme-Lite Mfg. Co. Escutcheon plate for an electric power panel. 190,233, 5–2–61, Cl. D26—13.
Spalding, A. G., & Bros., Inc.: *See*—
Cox, Austin E., and McMillan. 189,852.
Cox, Austin E., and McMillan. 189,853.
Davis, Lynn A., Jr. 189,827.
Mizejewski, Theodore C. 191,173.
Wright, John H., and Ohlson. 191,175.
Sparks, Walton E., and T. F. Sarah, to The Enterprise Mfg. Co. Fishing reel. 191,114, 8–15–61, Cl. D31—4.
Spartan Electric Radiator Corp.: *See*—
Leighton, Allen. 191,428.
Spaulding, Joseph H. Lighting fixture or similar article. 191,531, 10–10–61, Cl. D48—23.
Speckert, Robert. Neckband. 191,879, 12–5–61, Cl. D45—1.
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Augenstein, Karl C. 190,516.
Augenstein, Karl C. 191,126.
Augenstein, Karl C. 191,917.
Cowan, Murray L. 190,048.
Cowan, Murray L. 190,965.
Cowan, Murray L. 191,061.
Cowan, Murray L. 191,916.
Levinger, Paul. 191,217.
Spencer, Charles E., to The Casement Hardware Co. Lever operator for jalousie windows. 191,349, 9–19–61, Cl. D10—10.
Spengler, Maxine F., to United States of America, Army. Neck tab for uniform collar. 191,656, 10–31–61, Cl. D3—8.
Sperry Rand Corp.: *See*—
Sundberg, Carl W., and Ferar. 190,695.
Sundberg, Carl W., and Ferar. 191,644.
Sundberg, Carl W., Ferar, and Converse. 189,770.
Sundberg, Carl W., Ferar, and Letterman. 189,769.
Sundberg, Carl W., and Figgins. 191,708.
Spielberg, Erna. Spectacle case. 189,994, 3–28–61, Cl. D57—1.
Spielman, Albert, to Sanjo Utility Mfg. Co., Inc. Paper bag holder or similar article. 191,520, 10–10–61, Cl. D33—8.
Spitzberg, Albert E., and C. E. Hutchins. Gasoline pump. 191,411, 9–26–61, Cl. D52—2.
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Bley, William G. 190,329.
Spurgeon, Richard M.: *See*—
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Stair, Lee J. Combined headrest and adjustable sunshade unit. 190,323, 5–16–61, Cl. D15—8.
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Sherman, Marvin H. 190,269.
Sherman, Marvin H. 190,270.
Sherman, Marvin H. 190,271.
Standard Packaging Corp.: *See*—
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Schwartz, John J., and Verlo. 191,444.
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Forest, Lee M. 191,211.
Stanley, Robert D., and J. Goldstein, to General Foods Corp. Bottle. 191,379, 9–19–61, Cl. D58—7.
Stanley, Wallace A. Reflector. 191,727, 11–7–61, Cl. D72—1.
Stanley, Wallace A. Reflector. 191,728, 1–7–61, Cl. D72—1.
Stansberry, Warren, to Peerless Novelty Co. Toothbrush rack. 190,467, 6–6–61, Cl. D4—3.
Stanton, Robert. Novelty glove. 189,637, 1–24–61, Cl. D3—11.
Stanton, Robert. Novelty glove. 189,638, 1–24–61, Cl. D3—11.
Stanton, Robert. Pair of novelty gloves. 189,715, 2–7–61, Cl. D3—11.
Stapsy, Irving S. Projector. 190,103, 4–11–61, Cl. D61—1.
Star Precision Devices, Inc.: *See*—
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Stark, William F., and J. H. Wahl, to Howard B. Stark Co. Bag. 191,640, 10–24–61, Cl. D58—2.
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Krolopp, Rudolph W., and Stastny. 191,768.
Stauffer, Bernard H. Chair. 191,704, 11–7–61, Cl. D15—1.
Steckl, Felix, and E. R. Wengenroth, Jr. Insulating siding panel for buildings. 190,779, 6–27–61, Cl. D68—1.
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Hose, Robert H., and Steinberg. 191,339.
Steinbock, Edmund A., Jr., to Whip-Mix Corp., Inc. Power unit for mixing investment. 190,912, 7–18–61, Cl. D24—1.
Steinbraker, Joseph A., to Northrop Corp. Assembly work rack. 191,911, 12–12–61, Cl. D33—4.
Stenger, Hans G., and W. E. Fillmore, to Owens-Illinois Glass Co. Bottle. 189,996, 3–28–61, Cl. D58—8.
Sterges, Alfred D., to Purex Corp., Ltd. Bottle. 190,769, 6–27–61, Cl. D58—8.
Sterges, Alfred D., and L. K. Warden, to Purex Corp., Ltd. Dispensing container for powdered household products. 191,474, 10–3–61, Cl. D58—17.
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Fleming, Jack F. 190,458.
Fleming, Jack F., and Lehre. 191,556.
Stern, Edward I., to International Dryer Corp. Laundry dryer. 191,918, 12–12–61, Cl. D49—1.
Stern, Leonard, to Hartz Mountain Products. Greens feeder for birds. 190,869, 7–11–61, Cl. D31—2.
Stern, Stefan, to F. Baumgarten. Inflatable coat hanger. 189,898, 3–14–61, Cl. D80—8.
Stevens, Clifford B. Convertible automobile. 190,475, 6–6–61, Cl. D14—3.
Stevens, Clifford B. Automobile with convertible hard top. 190,476, 6–6–61, Cl. D14—3.
Stevens, Clifford B. Convertible station wagon. 190,477, 6–6–61, Cl. D14—3.
Stevens, Clifford B., to Outboard Marine Corp. Blade and motor housing for a rotary lawn mower. 190,667, 6–20–61, Cl. D40—1.
Stevens, Philip H.: *See*—
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Stoddart, Hugh F., to Baird-Atomic, Inc. Scaler for atomic instrumentation. 191,882, 12–5–61, Cl. D52—6.
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Stone, Gerald S., to Johnson Bros. (Hanley) Ltd. Plate or similar article. 190,092, 4–11–61, Cl. D44—15.
Stone, Gerald S., to Johnson Bros. (Hanley) Ltd. Plate or similar article. 190,093, 4–11–61, Cl. D44—15.
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Stones, Rosemary L. Combined clothes and shoe rack. 190,815, 7–4–61, Cl. D33—8.
Storey, William R. Hasp lock. 191,372, 9–19–61, Cl. D50—7.
Storm, Frederick K., Jr. Cover for a data typing machine or the like. 189,617, 1–17–61, Cl. D26—5.
Stor-Rite Metal Products, Inc.: *See*—
Marschak, Howard J. 191,892.
Storts, Robert H.: *See*—
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Stortz, Robert K., to C. M. Hall Lamp Co. Rear view mirror. 190,726, 6–27–61, Cl. D14—6.
Stortz, Robert K., to C. M. Hall Lamp Co. Rear view mirror. 191,199, 8–29–61, Cl. D14—6.
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Strachan, Edward J. Holder for a tooth paste tube and toothbrushes or the like. 190,850, 7–11–61, Cl. D4—3.
Stram, Fred C. Combined toilet seat cover and child's toilet seat. 189,961, 3–28–61, Cl. D4—5.
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Nussbaum, David. 189,689.
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Angier, James F. 190,210.
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Sturm, Justin. Ash tray. 191,894, 12–5–61, Cl. D85—2.
Sturm, Justin. Ash tray. 191,895, 12–5–61, Cl. D85—2.
Suda, Yoshihiro, to Tsukudaya Co., Ltd. Doll or similar article. 190,083, 4–11–61, Cl. D34—4.
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Palma, Joseph, Jr. 191,320.
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Sundberg, Carl B., to The International Silver Co. Spoon or similar article of flatware. 189,694, 1–31–61, Cl. D64—12.

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Sundberg, Carl W., M. Ferar, and C. B. Letterman, to Sperry Rand Corp. Typewriter. 189,769, 2–14–61, Cl. D64—11.

Sundberg, Carl W., M. Ferar, and D. B. Converse, to Sperry Rand Corp. Noiseless electric typewriter. 189,770, 2–14–61, Cl. D64—11.

Sundberg, Carl W., and M. Ferar, to American Seating Co. Arm chair. 190,645, 6–20–61, Cl. D15—1.

Sundberg, Carl W., and M. Ferar, to Sperry Rand Corp. Typewriter. 190,695, 6–20–61, Cl. D64—11.

Sundberg, Carl W., and M. Ferar, to Sperry Rand Corp. Adding machine. 191,644, 10–24–61, Cl. D64—11.

Sundberg, Carl W., and R. W. Figgins, to Sperry Rand Corp. Radar console. 191,708, 11–7–61, Cl. D26—14.

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Sussman, Nathan. Chair. 190,993, 8–1–61, Cl. D15—1.

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Swaney, Andrew R. Infant's combined storage cabinet and convertible bed. 190,951, 7–25–61, Cl. D5—5.

Swanson, Bernard H., and C. W. Hutchinson. Water powered knife sharpener. 190,290, 5–9–61, Cl. D37—1.

Swanson, Sten S. Combined nipple and nursing bottle for a baby. 191,426, 9–26–61, Cl. D83—8.

Swarts, Ernest L., and O. B. Solie, to The Lane Co., Inc. Dresser. 189,784, 2–21–61, Cl. D33—6.

Swarts, Ernest L., and O. B. Solie, to The Lane Co., Inc. Table. 189,785, 2–21–61, Cl. D33—14.

Swarts, Ernest L., and O. B. Solie, to The Lane Co., Inc. Headboard. 190,017, 4–4–61, Cl. D5—4.

Swarts, Ernest L., and O. B. Solie, to The Lane Co., Inc. Buffet. 190,179, 4–25–61, Cl. D33—6.

Swarts, Ernest L., and O. B. Solie, to The Lane Co., Inc. Headboard. 191,657, 10–31–61, Cl. D5—4.

Swartwood, Gerald L., to The Bryant Electric Co. Wall-mounted wiring device. 191,826, 11–28–61, Cl. D26—13.

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Sampson, Rudolph A. 189,679.

Swenson, Arthur R. Power-driven surf boat. 190,892, 7–11–61, Cl. D71—1.

Swett, James B., to Brunswick Sports Products Co. Skate scabbard. 189,923, 3–21–61, Cl. D34—5.

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Talge, Henry J.: *See*—
Scott, Robert J., Chappell, and Grant. 190,489.

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Tannahill, Ronald W. Motor driven jump rope. 191,584, 10–17–61, Cl. D34—5.

Tannehill, Urban R., to Western Tablet & Stationery Corp. Package of loose leaf notebook filler paper. 190,767, 6–27–61, Cl. D58—2.

Tans, Lester F.: *See*—
Wienke, Charles L., and Tans. 191,440.

Tapper, Samuel. Tablet dispenser. 189,888, 3–14–61, Cl. D52—2.

Tarangelo, John. Protective headgear for boxers. 191,495, 10–10–61, Cl. D3—13.

Tarrodaychik, Paul, to Ampex Corp. Combined television magnetic tape recorder and reproducer. 189,971, 8–28–61, Cl. D26—14.

Tartaglia, Vincent F. Grave marker. 190,782, 6–27–61, Cl. D79—2.

Tashman, Philip. Cart for carrying dishes or the like. 191,303, 9–12–61, Cl. D14—3.

Taubes, Ernest P., to Photo Devices, Inc., and Ideax Corp. Photographic camera. 190,976, 7–25–61, Cl. D61—1.

Tauscher, Edna M. Combination toothbrush and toothpaste holder. 190,407, 5–30–61, Cl. D4—3.

Taylor, Halsey W. Wall-hung drinking fountain. 189,771, 2–14–61, Cl. D67—4.

Taylor, Henry. Fish lure. 191,827, 11–28–61, Cl. D31—4.

Taylor, John R. Barrow-type exerciser for athletes or the like. 189,815, 2–28–61, Cl. D14—3.

Taylor, Moulton B. Aeroplane. 190,697, 6–20–61, Cl. D71—1.

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Teran, Eric H. A., to McCormick & Co., Inc. Bottle cap. 190,934, 7–18–61, Cl. D58—26.

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Thatcher Glass Mfg. Co., Inc.: *See*—
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Thevenaz, Jean, to Paillard S.A. Cinematographic projector. 190,206, 4–25–61, Cl. D61—1.

Thieblot, Armand J., to Fairchild Engine and Airplane Corp. Airplane. 191,019, 8–1–61, Cl. D71—1.

Thomas, Ernest, and M. J. Melone, to Ekco Products Co. Can opener. 190,377, 5–23–61, Cl. D22—2.

Thomas, Frank P., to Burger Chef Systems, Inc. Advertising sign for drive-in restaurants or the like. 190,547, 6–13–61, Cl. D1—12.

Thomas, Glenn R. Golfing vehicle or similar article. 190,638, 6–20–61, Cl. D14—3.

Thomas Industries Inc.: *See*—
Heckman, Robert B. 191,626.
Heckman, Robert B. 191,627.

Thomas, Lucy M. Scarf or similar article. 190,016, 4–4–61, Cl. D3—12.

Thomas, Thomas R., to Auto Research Corp. Combined lubricating and cooling unit. 190,776, 6–27–61, Cl. D65—1.

Thomas, Warren G. Slide viewer. 191,016, 8–1–61, Cl. D61—1.

Thomas, William, & Sons, Inc.: *See*—
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Thompson, Edwin R., to Western Reserve Plastics, Inc. Handle for a storm window glass insert. 191,903, 12–12–61, Cl. D10—8.

Thompson, Elvin T., to Lewis Engines, Inc. Track cart. 191,579, 10–17–61, Cl. D14—3.

Thompson, Gerald T., and R. P. Fuller; said Fuller assor. to said Thompson. Film strip cartridge. 189,701, 1–31–61, Cl. D61—1.

Thompson, Torger G., to General Electrodynamics Corp. Combined power unit and storage cabinet for an electro-therapeutic muscle stimulator or the like. 191,732, 11–7–61, Cl. D83—1.

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Thomson, Ernest F.: *See*—
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Thomson, Ernest F., and R. G. Smith, to The Soundscriber Corp. Dictating machine. 190,868, 7–11–61, Cl. D26—14.
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Tigner, Grant W. Stand for displaying and merchandising golf balls. 191,082, 8–8–61, Cl. D80—10.
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Tilli, John R. Combined toy trackway and support section. 190,088, 4–11–61, D34—15.
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Toffolon, Siro R., to The International Silver Co. Spoon or similar article of flatware. 190,392, 5–23–61, Cl. D54—12.
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Traum, David. Spool box or the like. 189,777, 2–21–61, Cl. D3—19.
Traum, David, to David Traum, Inc. Tray. 190,130, 4–18–61, Cl. D44—10.
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Trombly, Edgar F., Jr., to Nu-Era Corp. Tape dispenser or the like. 190,976, 7–25–61, Cl. D74—1.
Troxler, Broadus C. Cart for carrying cans or the like. 191,102, 8–15–61, Cl. D14—3.
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Trulaske, Frank R., to True Mfg. Co. Upright cooler. 191,927, 12–12–61, Cl. D67—4.
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Tucker, Roderick C. Cart for basketballs and similar objects. 190,725, 6–27–61, Cl. D14—3.
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Graubner, Herman G. 190,520.
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Urich, Edward F. Door stop. 191,436, 10–3–61, Cl. D10—7.
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Vallis, Joseph. Body brush or the like. 190,319, 5–16–61, Cl. D9—2.
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Van Den Berg, Richard H., to Dimentional Products, Inc. Illuminable advertising sign. 189,517, 1–3–61, Cl. D1—12.
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Vanderhyde, Harold J., to The Procter & Gamble Co. Combined flexible bottle and cap. 189,631, 1–17–61, Cl. D58—6.
Van Dusen, Laurence W., to Mission Industries. Garment hanger. 190,403, 5–23–61, Cl. D80—8.
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Von Gunten, Lee L., to Aurora Corp. of Illinois. Electric chord and run playing mechanism for pianos. 190,930, 7–18–61, Cl. D56—9.
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Reiser, John H. 190,043.
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Weissman, Bernard. Dental articulator. 191,110, 8–15–61, Cl. D24—1.
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Werner, Siegmund. 191,566.
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White, William J., and L. Besterda; said Besterda assor. to said White. Flower pot. 190,039, 4–4–61, Cl. D35—3.
Whitener, Loyd A., Jr., and H. B. Carpenter, to Southern Desk Co. Utility control, supply, and service unit for laboratory tables. 189,846, 3–7–61, Cl. D16—2.
Wider, Anton J. Lace fabric or similar article. 191,529, 10–10–61, Cl. D47—6.
Wieand, Dorothy T. Hat. 190,549, 6–13–61, Cl. D3—13.
Wieczorek, Eugene E., to In-Sink-Erator Mfg. Co. Garbage disposer. 191,138, 8–15–61, Cl. D55—1.
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Willat, Leon F. Heater for hair drying apparatus. 191,293, 9–5–61, Cl. D86—10.
Williams, Allen R., Jr.: *See*—
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Williams, Ralph E., and W. P. Miller, to American Playground Device Co. Swing seat. 191,274, 9–5–61, Cl. D34—5.
Williams, Thomas E., and J. H. Hofstetter, to Purex Corp., Ltd. Carafe. 189,730, 2–7–61, Cl. D58—8.
Williams, Thomas E., and J. H. Hofstetter, to Purex Corp., Ltd. Carafe. 189,731, 2–7–61, Cl. D58—8.
Williams, Thomas E., and J. H. Hofstetter, to Purex Corp., Ltd. Carafe. 189,732, 2–7–61, Cl. D58—8.
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Williamson, James W. Rotary snow plow. 190,433, 5–30–61, Cl. D35—2.
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Wish, Henry, to Lucky Wish Products, Inc. Combined salt shaker and pepper mill or similar article. 191,216, 8–29–61, Cl. D44—22.
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Wolaver, Robert M., to Manning, Maxwell & Moore, Inc. Switch housing. 189,876, 3–14–61, Cl. D26—13.
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Wolf, Bern E., and J. H. Lee, to Prestige Hardware Corp. Condiment dispenser or the like. 191,591, 10–17–61, Cl. D44—22.
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Wolf, Bern E., and J. H. Lee, to Prestige Hardware Corp. Tumbler. 191,710, 11–7–61, Cl. D36—8.

Wolf, Bern E., and J. H. Lee, to Prestige Hardware Corp. Butter dish. 191,713, 11–7–61, Cl. D44—5.
Wolf, Bern E., and J. H. Lee, to Prestige Hardware Corp. Bowl. 191,714, 11–7–61, Cl. D44—15.
Wolf, Howard C., to McCormick & Co., Inc. Jar. 189,556, 1–3–61, Cl. D58—25.
Wolfe, Leroy, Jr., to E. I. du Pont de Nemours and Co. Plastic sheet material. 190,614, 6–13–61, Cl. D87—3.
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Wood, Morris E., to Higbie Mfg. Co. Fishing reel. 190,428, 5–30–61, Cl. D31—4.
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Carter, Charles W., Woodson, Slyder, and McKee. 191,872.
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Worfold, Lloyd G. Transparent face mask for doctors and the like. 190,461, 5–30–61, Cl. D83—1.
Worthington, George W., to Owens-Illinois Glass Co. Bottle. 190,397, 5–23–61, Cl. D58—6.
Wright, Clarence J., A. J. Summers, and R. B. Short, to United States of America, Navy. Guided missile. 190,456. 5–30–61, Cl. D71—1.
Wright, Jerry E., to Corning Glass Works. Electric hot plate or similar article. 191,385, 9–19–61, Cl. D81—10.
Wright, John H., and C. V. Ohlson, to A. G. Spalding & Bros., Inc. Construction set element. 191,175, 8–22–61, Cl. D34—15.
Wyle, Frank S., and J. A. Sneller, to Wyle Mfg. Corp. Tank for storing and dispensing liquid CO_2 or the like. 190,801, 7–4–61, Cl. D14—3.
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Wyle, Frank S., and Sneller. 190,801.
Yabu, Kenichi, to Daihatsu Kogyo Kabushiki Kaisha. Motor truck. 189,813, 2–28–61, Cl. D14—3.
Yabu, Kenichi, to Daihatsu Kogyo Kabushiki Kaisha. Motor truck. 190,367, 5–23–61, Cl. D14—3.
Yarrows, Thomas. Knife for harvesting asparagus and the like. 191,834, 11–28–61, Cl. D40—1.
Yegge, Norbert A. Wall bracket for flower pots or the like. 191,874, 12–5–61, Cl. D35—3.
Yohpe, Reinhard A., to Union Pump Co. Homogenizing machine. 191,746, 11–14–61, Cl. D34—1.
Yonkers, Robert A., H. T. Rosendall, Jr., and H. T. Lathrop, to Bissell, Inc. Rug cleaner casing or the like. 190,113, 4–18–61, Cl. D9—2.
Yoshimoto, Noboru, to Morishita Jintan Co., Ltd. Box for tablets or the like. 189,834, 2–28–61, Cl. D58—12.
Young, John P., and C. A. Arnold, to Lyon Inc. Table knife or similar article of flatware. 189,616, 1–17–61, Cl. D22—3.
Young, John P., and C. A. Arnold, to Lyon Inc. Table fork or similar article of flatware. 189,628, 1–17–61, Cl. D54—12.
Young, Lewis D. Display box. 190,143, 4–18–61, Cl. D58—12.
Young, Stephen A. Safety handle. 190,359, 5–16–61, Cl. D91—3.
Young, Stephen A. Handle for faucets or the like. 192,002, 12–26–61, Cl. D91—3.
Young, Stephen A. Lavatory faucet shell. 192,003, 12–26–61, Cl. D91—3.
Young, Stuart A., to Wallace Silversmiths, Inc. Spoon or similar article. 189,592, 1–10–61, Cl. D54—12.
Young, Stuart A., to The International Silver Co. Fork or similar article of flatware. 191,847, 11–28–61, Cl. D54—12.
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Holberson, Henry A. 191,860.
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Snow, William H. 191,840.
Zackheim, Eli A., to Johnson & Johnson. Combined spray and drop dispenser for nasal medication. 191,251, 8–29–61, Cl. D83—1.
Zagara, Frank A., to Eastman Kodak Co. Projection cabinet for a film reader or similar article. 189,800, 2–21–61, Cl. D61—1.
Zagara, Frank A., to Eastman Kodak Co. Microfilmer base. 190,602, 6–13–61, Cl. D61—1.
Zagara, Frank A., to Eastman Kodak Co. Microfilmer. 190,603, 6–13–61, Cl. D61—1.
Zagara, Frank A., to Eastman Kodak Co. Film unit. 190,604, 6–13–61, Cl. D61—1.
Zagara, Frank A., to Eastman Kodak Co. Reading projector. 190,935, 7–18–61, Cl. D61—1.
Zagara, Frank A., to Eastman Kodak Co. Planetary photographic copying machine. 190,937, 7–18–61, Cl. D61—1.
Zahn, Lawrence H. Combined nebulizer and medicine dropper. 190,310, 5–9–61, Cl. D83—1.
Zapolski, Bronislaw, to Telectrosonic Corp. Portable tape recorder. 190,811, 7–4–61, Cl. D26—14.
Zenith Radio Corp.: *See*—
Boldt, Melvin H. 189,534.
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Boldt, Melvin H. 191,066–7.
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Boldt, Melvin H. 191,923.
Zevas, Peter, to Congoleum-Nairn Inc. Hard surface floor covering or similar article. 189,776, 2–14–61, Cl. D92—17.
Zielinski, Edmund A. Panel crease puller. 190,252, 5–2–61, Cl. D54—13.
Zierhut, Clarence D. Wheel cover. 190,857, 7–11–61, Cl. D14—30.
Zierhut, Clarence D., to Shore-Calnevar, Inc. Wheel cover. 191,163, 8–22–61, Cl. D14—30.
Zierhut, Clarence D., to Shore-Calnevar, Inc. Ornament for wheel covers. 191,354, 9–19–61, Cl. D14—30.
Ziff, Irving M., and C. C. Berkus, to Sierra Development Co. Boat. 191,808, 11–21–61, Cl. D71—1.
Ziff-Davis Publishing Co.: *See*—
Palma, Joseph, Jr. 191,476.
Zifferblatt, Albert. Garment hanger. 189,897, 3–14–61, Cl. D80—8.
Zippel, Howard C., to Westmoreland Metal Mfg. Co. Door grill. 189,652, 1–24–61, Cl. D54—2.
Zippel, Howard C., to Westmoreland Metal Mfg. Co. Door grill. 189,653, 1–24–61, Cl. D54—2.
Zippel, Howard C., to Westmoreland Metal Mfg. Co. Door grill. 190,197, 4–25–61, Cl. D54—2.
Zippo Mfg. Co.: *See*—
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Zuckerman, Louis. Birth record spoon. 190,343, 5–16–61, Cl. D54—12.
Zupancic, John M. Collapsible dolly cart. 191,504, 10–10–61, Cl. D14—3.
Zurawski, Edward F., to Garden City Plating & Mfg. Co. Fluorescent light fixture. 190,388, 5–23–61, Cl. D48—23.
Zurawski, Edward F., to Garden City Plating & Mfg. Co. Fluorescent light fixture. 191,530, 10–10–61, Cl. D48—23.

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Lammerts, Walter E. 2,036.
Lammerts, Walter E. 2,045.

Anderson, Frederic, W., to Kim Bros, d.b.a. Reedley Nursery. Plum tree. 2,043, 4–4–61, Cl. 47—61.

Anderson, Frederic, W., to Kim Bros, d.b.a. Reedley Nursery. Nectarine tree. 2,044, 4–4–61, Cl. 47—62.

Anderson, Frederic W., to Kim Bros., d.b.a. Reedley Nursery. Plum tree. 2,049, 4–18–61, Cl. 47—62.

Armstrong Nurseries, Inc.: *See*—
House, Bernice L. 2,074.
Swim, Herbert C. 2,056.
Swim, Herbert C. 2,078.
Van der Schilden, Teunis. 2,109.

Arnold-Fisher Co.: *See*—
Fisher, Ester G. 2,100.

Ball, George J., Inc.: *See*—
Dunham, Orville O. 2,033.

Belcher, Darrold D. Birch tree. 2,107, 11–28–61, Cl. 47—59.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,025, 2–14–61, Cl. 47—60.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,026, 2–14–61, Cl. 47—60.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,027, 2–14–61, Cl. 47—60.

Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,028, 2–14–61, Cl. 47—60.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,039, 3–28–61, Cl. 47—61.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,058, 5–30–61, Cl. 47—61.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,090, 9–12–61, Cl. 47—61.

Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,093, 9–19–61, Cl. 47—61.

Boerner, Eugene S., to Home Nursery Products Corp. Rose plant. 2,113, 12–26–61, Cl. 47—61.

Boerner, Eugene S., to Home Nursery Products Corp. Rose plant. 2,114, 12–26–61. Cl. 47—61.

Boerner, Eugene S., to Home Nursery Products Corp. Rose plant. 2,115, 12–26–61, Cl. 47—61.

Booy, Peter J., to P. J. Booy Rose Nursery. Rose plant. 2,047, 4–18–61, Cl. 47—61.

Booy, Peter J., Rose Nursery: *See*—
Booy, Peter J. 2,047.

Bristol Nurseries, Inc.: *See*—
Mack, Grace H. 2,030.

Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 2,084, 8–29–61, Cl. 47—61.

Campbell Soup Co.: *See*—
Robbins, Wayne A. 2,050.

Camprubi, Carlos, to The Conard-Pyle Co. Rose plant. 2,055, 5–2–61, Cl. 47—61.

Carlton Rose Nurseries: *See*—
Verbeek, Gysbert. 2,105.

Chabert, Andre, and G. Delbard, to Stark Bro's Nurseries & Orchards Co. Rose plant. 2,079, 8–22–61, Cl. 47—61.

Chase, Henry H., to Chase Nursery Co., Inc. Flowering dogwood tree. 2,112, 12–26–61, Cl. 47—60.

Chase Nursery Co., Inc.: *See*—
Chase, Henry H. 2,112.

Clifford, Kenneth R.: *See*—
Molfino, Samuel F. 2,014.

Conard-Pyle Co., The: *See*—
Camprubi, Carlos. 2,055.
Dean, Letcher A. 2,053.
Dot, Pedro. 2,091.
Dot, Pedro. 2,095.
Johnston, Stanley C. 2,037.
Meilland, Francis. 2,031.
Meilland, Marie L. 2,040.
Swim, Herbert C., and Weeks. 2,017.
Swim, Herbert C., and Weeks. 2,018.
Swim, Herbert C., and Weeks. 2,032.
Zieger, Herman M. 2,111.

Craig, Robert, Co.: *See*—
Haualand, Magne. 2,073.

Dean, Letcher A., to The Conard-Pyle Co. Rose plant. 2,053, 4–25–61, Cl. 47—61.

Delbard, Georges: *See*—
Chabert, Andre, and Delbard. 2,079.

Dering, Eldon P.: *See*—
Von Abrams, Gordon J. 2,020.

Dot, Pedro, to The Conard-Pyle Co. Rose plant. 2,091, 9–12–61, Cl. 47—61.

Dot, Pedro, to The Conrad-Pyle Co. Rose plant. 2,095, 10–3–61, Cl. 47—61.

Duehrsen, Carl G., to C. A. Elmer. Rose plant. 2,106, 11–28–61, Cl. 47—61.

Dunham, Orville O. Chrysanthemum plant. 2,023, 2–7–61, Cl. 47—60.

Dunham, Orville O., to George J. Ball, Inc. Chrysanthemum plant. 2,033, 3–14–61, Cl. 47—60.

Dunham, Orville O. Chrysanthemum plant. 2,070, 7–4–61, Cl. 47—60.

Eldon Pinkeney Dering: *See*—
Von Abrams, Gordon J. 2,110.

Elmer, Constance A.: *See*—
Duehrsen, Carl G. 2,106.

Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,062, 6–13–61, Cl. 47—60.

Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,063, 6–13–61, Cl. 47—60.

Fischer Greenhouses: *See*—
Reid, George A. 2,016.
Reid, George A. 2,021.

Fisher, Ester G., to Arnold-Fisher Co. Rose plant. 2,100, 10–31–61, Cl. 47—61.

Flemer, William, III, to Princeton Nurserymen's Research Associates. Thornless honey locust tree. 2,038, 3–21–61, Cl. 47—59.

Flemer, William, III, to Princeton Nurserymen's Research Associates. Linden tree. 2,086, 9–5–61, Cl. 47—59.

Flemer, William, III, to Princeton Nurserymen's Research Associates. Linden tree. 2,087, 9–5–61, Cl. 47—59.

Flemer, William, III., to Princeton Nurserymen's Research Associates. Maple tree. 2,116, 12–26–61, Cl. 47—59.

Gabrielsen, Joseph. Black raspberry plant. 2,101, 11–7–61, Cl. 47—62.

Gerling, Jacob, to E. H. Scanlon. Ornamental cherry tree. 2,065, 6–27–61, Cl. 47—60.

Germain's, Inc.: *See*—
Lammerts, Walter E. 2,066.

Great Western Rose Co., Inc.: *See*—
Perry, Anthony. 2,089.

Gregory, Charles W., to Ilgenfritz Nurseries, Inc. Rose plant. 2,104, 11–7–61, Cl. 47—61.

Harris, Edward, to Simpson Nursery Co. Pecan tree. 2,051, 4–25–61, Cl. 47—62.

Haualand, Magne, to Robert Craig Co. Columnea plant. 2,073, 7–11–61, Cl. 47—60.

Henricke, Mary E., to The Wayside Gardens Co. Hydrangea macrophylla plant. 2,041, 4–4–61, Cl. 47—60.

Hill, Joseph H., Co.: *See*—
Byrum, Roy L. 2,084.

Home Nursery Products Corp.: *See*—
Boerner, Eugene S. 2,113.
Boerner, Eugene S. 2,114.
Boerner, Eugene S. 2,115.

House, Bernice L., to Armstrong Nurseries, Inc. Rose plant. 2,074, 7–25–61, Cl. 47—61.

Ilgenfritz Nurseries, Inc.: *See*—
Gregory, Charles W. 2,104.

Jackson & Perkins Co.: *See*—
Boerner, Eugene S. 2,025.
Boerner, Eugene S. 2,026.
Boerner, Eugene S. 2,027.
Boerner, Eugene S. 2,028.
Boerner, Eugene S. 2,039.
Boerner, Eugene S. 2,058.
Boerner, Eugene S. 2,090.
Boerner, Eugene S. 2,093.
Morey, Dennison H., Jr. 2,059.
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Morey, Dennison H., Jr. 2,097.
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Zombory, William and S. B. 2,098.

James, Percival G.: *See*—
James, Percival T. 2,094.

James, Percival T., deceased, by P. G. James, administrator, to The Wayside Gardens Co. Clematis plant. 2,094, 9–26–61, Cl. 47—60.

Jenkins, Philip J., to Stark Bro's Nurseries and Orchards Co. Apple tree. 2,024, 2–14–61, Cl. 47—62.

Johnston, Stanley C., to The Conard-Pyle Co. Rose plant. 2,037, 3–21–61, Cl. 47—61.

Kim Bros.: *See*—
Anderson, Frederic W. 2,043.
Anderson, Frederic W. 2,044.

Kim Bros., d.b.a. Reedley Nursery: *See*—
Anderson, Frederic W. 2,049.

Klehm, Carl G. Peony plant. 2,011, 1–17–61, Cl. 47—60.

Lammerts, Walter E., to Amling-De Vor Nurseries, Inc. Rose plant. 2,036, 3–21–61, Cl. 47—61.

Lammerts, Walter E., to Amling-Devor Nurseries, Inc. Rose plant. 2,045, 4–11–61, Cl. 47—61.

Lammerts, Walter E., to Germain's, Inc. Rose plant. 2,066, 6–27–61, Cl. 47—61.
Le Grice, Edward B. Hybrid tea-rose plant. 2,060, 6–6–61, Cl. 47—61.
Le Grice, Edward B. Hybrid tea-rose plant. 2,061, 6–6–61, Cl. 47—61.
Lee, Walter, to Monrovia Nursery Co. Bougainvillea plant. 2,075, 7–25–61, Cl. 47—60.
Lowden, Edward W. Raspberry plant. 2,013, 1–24–61, Cl. 47—62.
Mack, Grace H., to Bristol Nurseries, Inc. Chrysanthemum plant. 2,030, 2–28–61, Cl. 47—60.
Masek, Raymond J. Rose plant. 2,088, 9–5–61, Cl. 47—61.
Meilland, Francis, deceased, by M. L. Meilland, nee Paolino, legal representative, to The Conard-Pyle Co. Rose plant. 2,031, 2–28–61, Cl. 47—61.
Meilland, Marie L.: *See*—
Meilland, Francis. 2,031.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,040, 4–4–61, Cl. 47—61.
Merrill, Grant. Nectarine tree. 2,010, 1–10–61, Cl. 47—62.
Merrill, Grant. Peach. 2,071, 7–11–61, Cl. 47—62.
Mikkelsen, James C., to Mikkelsen & Sons Greenhouses, Inc. Chrysanthemum plant. 2,029, 2–21–61, Cl. 47—60.
Mikkelsen & Sons Greenhouses, Inc.: *See*—
Mikkelsen, James C. 2,029.
Mittleider, Jacob: *See*—
Youdath, John A. 2,034.
Molfino, Samuel F., to K. R. Clifford. Peach tree. 2,014, 1–24–61, Cl. 47—62.
Monrovia Nursery Co.: *See*—
Lee, Walter. 2,075.
Moore, Ralph S. Miniature rose plant. 2,009, 1–3–61, Cl. 47—61.
Moore, Ralph S. Miniature rose plant. 2,080, 8–29–61, Cl. 47—61.
Moore, Ralph S. Miniature rose plant. 2,081, 8–29–61, Cl. 47—61.
Moore, Ralph S. Miniature rose plant. 2,082, 8–29–61, Cl. 47—61.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,059, 5–30–61, Cl. 47—61.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,072, 7–11–61, Cl. 47—61.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,096, 10–3–61, Cl. 47—61.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,097, 10–3–61, Cl. 47—61.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,103, 11–7–61, Cl. 47—61.
Moring, Ernest W., to Simpson Nursery Co. Pecan tree. 2,099, 10–31–61, Cl. 47—62.
Paolino, Marie L.: *See*—
Meilland, Francis. 2,031.
Parker, Elizabeth B. Chrysanthemum plant. 2,019, 2–7–61, Cl. 47—60.
Parker, Elizabeth B. Chrysanthemum plant. 2,064, 6–27–61, Cl. 47—60.
Patterson & Hale: *See*—
Sherrill, Lewis B. 2,048.
Sherrill, Lewis B. 2,102.
Perry, Anthony, to Great Western Rose Co., Inc. Rose plant. 2,089, 9–12–61, Cl. 47—61.
Princeton Nurserymen's Research Associates: *See*—
Flemer, William, III. 2,038.
Flemer, William, III. 2,086.
Flemer, William, III. 2,087.
Flemer, William, III. 2,116.
Reedley Nursery: *See*—
Anderson, Frederic W. 2,043.
Anderson, Frederic W. 2,044.
Reid, George A., to Fischer Greenhouses. Azalea plant. 2,016, 1–31–61, Cl. 47—60.
Reid, George A., to Fischer Greenhouses. Azalea plant. 2,021, 2–7–61, Cl. 47—60.
Reimer, Frank C. Pear tree. 2,054, 4–25–61, Cl. 47—62.
Robbins, Wayne A., to Campbell Soup Co. Mushroom plant. 2,050, 4–18–61, Cl. 47—59.
Saratoga Horticultural Foundation, Inc.: *See*—
Van Rensselaer, Maunsell. 2,015.
Saur, Belden C. Chrysanthemum plant. 2,057, 5–30–61, Cl. 47—60.
Scanlon, Edward H.: *See*—
Gerling, Jacob. 2,065.
Scanlon, Edward H. Littleleaf linden tree. 2,092, 9–19–61, Cl. 47—59
Schenkel, H. R., Inc.: *See*—
Schenkel, Herman R., Sr. 2,046.
Schenkel, Herman R., Sr., to H. R. Schenkel, Inc. Rose plant. 2,046, 4–18–61, Cl. 47—61.
Schloen, John F. Lilac plant. 2,076, 8–1–61, Cl. 47—60.
Schreiner, Robert V. Iris plant. 2,067, 7–4–61, Cl. 47—60.
Schreiner, Robert V. Iris plant. 2,077, 8–8–61, Cl. 47—60.
Selected Glads, Inc.: *See*—
Fischer, Carl H. 2,062.
Fischer, Carl H. 2,063.
Shammarello, Anthony M. Azalea plant. 2,068, 7–4–61, Cl. 47—60.
Shammarello, Anthony M. Ilex plant. 2,069, 7–4–61, Cl. 47—59.
Sherrill, Lewis B., 75% to Patterson & Hale. Peach tree. 2,048, 4–18–61, Cl. 47—62.
Sherrill, Lewis, B., 75% to Patterson & Hale. Peach tree. 2,102, 11–7–61, Cl. 47—62.
Simpson Nursery Co.: *See*—
Harris, Edward. 2,051.
Moring, Ernest W. 2,099.
Sodano, A., & Son: *See*—
Sodano, Alfonso C. 2,022.
Sodano, Alfonso C., to A. Sodano & Son. Rose plant. 2,022, 2–7–61, Cl. 47—60.
Stark Bro's Nurseries and Orchards Co.: *See*—
Chabert, Andre, and Delbard. 2,079.
Jenkins, Philip J. 2,024.
Wellington, Richard. 2,035.
Swall, Wilfred C. Plum tree. 2,108, 12–5–61, Cl. 47—62.
Sweeney, James W. Pear tree. 2,012, 1–24–61, Cl. 47—62.
Swim, Herbert C., and O. L. Weeks, to The Conrad-Pyle Co. Rose plant. 2,017, 1–31–61, Cl. 47—61.
Swim, Herbert C., and O. L. Weeks, to The Conrad-Pyle Co. Rose plant. 2,018, 1–31–61, Cl. 47—61.
Swim, Herbert C., and O. L. Weeks, to The Conard-Pyle Co. Rose plant. 2,032, 3–7–61, Cl. 47—61.
Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 2,056, 5–23–61, Cl. 47—61.
Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 2,078, 8–22–61, Cl. 47—61.
Tiret, Horace M. Fuchsia plant. 2,083, 8–29–61, Cl. 47—60.
Ulrich, Arnold E. Strawberry plant. 2,085, 9–5–61, Cl. 47—62.
Van der Schilden, Teunis, to Armstrong Nurseries, Inc. Rose plant. 2,109, 12–12–61, Cl. 47—61.
Van Rensselaer, Maunsell, to Saratoga Horticultural Foundation, Inc. Magnolia grandiflora tree. 2,015, 1–31–61, Cl. 47—60.
Verbeek, Gysbert, to Carlton Rose Nurseries. Rose plant. 2,105, 11–21–61, Cl. 47—61.
Von Abrams, Gordon J., to E. P. Dering. Rose plant. 2,020, 2–7–61, Cl. 47—61.
Von Abrams, Gordon J., to Eldon Pinkeney Dering. Rose plant. 2,110, 12–12–61, Cl. 47—61.
Wayside Gardens Co., The: *See*—
Henricke, Mary E. 2,041.
James, Percival T. 2,094.
Weeks, O. L.: *See*—
Swim, Herbert C., and Weeks. 2,017.
Swim, Herbert C., and Weeks. 2,018.
Swim, Herbert C., and Weeks. 2,032.
Wellington, Richard, to Stark Bro's Nurseries & Orchards Co. Crab apple tree. 2,035, 3–21–61, Cl. 47—62.
Wyant, Melvin E. Rose plant. 2,042, 4–4–61, Cl. 47—61.
Wyman, Richard M., Jr., to Wyman's Framingham Nurseries, Inc. Taxus plant. 2,052, 4–25–61, Cl. 47—59.
Wyman's Framingham Nurseries, Inc.: *See*—
Wyman, Richard M., Jr. 2,052.
Youdath, John A., to J. Mittleider. Dianthus plant. 2,034, 3–14–61, Cl. 47—60.
Zieger, Herman M., to The Conard-Pyle Co. Rose plant. 2,111, 12–19–61, Cl. 47—61.
Zombory, Sophia B.: *See*—
Zombory, William and S. B. 2,098.
Zombory, William and S. B., to Jackson & Perkins Co. Rose plant. 2,098, 10–3–61, Cl. 47—61.

Class 1

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1961
CLASSIFICATION OF PATENTS

Class 1

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318: 2,976,516
3,004,267
319: 2,974,328
320: 2,979,736
2,979,737
2,984,844
2,988,759
322: 2,995,762
327: 2,976,547
2,978,713
3,005,212
331: 2,972,153
2,976,548
2,979,738
2,991,487
3,002,200
3,012,255
334: 2,972,756
2,994,094
3,013,283
335: 2,982,976
2,994,889
3,008,152
3,011,182
337: 3,002,201
3,008,153
338: 3,009,172
339: 3,008,154
343: 2,971,205
2,972,757
3,003,164
345: 2,973,526
2,979,739
2,981,960
2,982,977
2,986,748
2,988,760
3,000,019
347: 3,012,256
3,014,226
348: 2,987,735
2,997,100

Class 5—Con.

351: 2,972,154
2,975,437
2,978,714
2,978,715
2,992,443
2,994,890
3,010,122
353.7: 3,011,183
354: 2,996,733
3,005,213
355: 3,000,020
362: 2,993,216

Class 7

15: 2,973,527

Class 8

3: 3,004,821
4: 3,009,760
10: 2,969,271
11: 3,011,858
13: 2,967,751
18: 2,991,143
25: 2,967,752
2,967,753
26: 2,967,754
2,970,029
32: 3,005,677
34: 2,992,061
3,000,688
35: 2,992,062
41: 2,972,508
2,989,358
2,991,144
43: 2,987,368
3,003,843
45: 2,989,359
3,003,844
54: 2,999,731
54.2: 2,978,289
2,995,412
3,007,762
55: 2,972,509
2,978,290
2,984,539
2,989,360
2,989,361
2,992,063
2,992,877
3,012,842
3,012,843
3,014,776
57: 2,982,596
59: 2,982,597
61: 2,992,064
62: 2,981,588
2,990,230
63: 2,992,878
70: 2,970,880
2,976,110
2,980,487
2,993,742
2,993,743
2,995,413
2,995,414
71: 2,970,030
74: 2,973,239
3,009,761
77: 2,979,373
83: 2,971,812
84: 2,967,755
2,986,444
93: 2,991,145
2,997,362
94: 2,999,002
94.1: 2,975,018
94.11: 2,977,182
94.14: 2,989,362
94.18: 2,998,293
3,006,714
3,010,779
94.21: 2,983,566
2,998,294
3,013,858
94.23: 2,974,000
94.25: 2,987,369
3,000,689
94.26: 2,971,813
2,995,415
2,997,363
2,997,364
3,010,780
94.27: 2,970,031
2,999,003
3,005,678
94.33: 2,970,032
2,970,033
2,970,881
2,971,814
2,973,240
94.33: 2,976,111
2,983,567
2,992,879
2,993,744
100: 3,003,845
102: 2,985,500
108: 2,970,882
2,974,001
2,980,488
2,993,745
111: 2,983,568
2,996,350
114.6: 2,990,231
115.5: 2,973,241
2,989,363
2,989,364
2,998,295
2,998,296
115.6: 2,988,416
2,991,146
116: 2,988,417
2,990,232
2,990,233
2,993,746
3,012,844
116.2: 2,971,815
2,981,589
3,007,763
117: 2,980,489
2,980,490
120: 2,979,374
2,980,491
2,985,501
2,990,234
2,992,880
2,992,881
125: 2,974,002
127.5: 2,983,569
127.6: 2,989,365
2,993,747
128: 2,974,003
2,986,445
2,987,370
2,993,748
3,000,690
3,008,795
130.1: 2,973,242
132: 2,993,749
138: 3,012,845
142: 2,967,084
2,979,375
148: 2,984,540
150: 2,976,112
2,985,502
151: 2,978,291
3,014,777
152: 3,000,691
159: 2,972,510

Class 9

1: 2,974,329
2,984,845
2,984,846
2,991,488
2,992,444
2,994,095
2,999,252
3,000,021
3,001,212
3,009,173
3,010,123
3,010,124
2: 2,966,687
2,969,551
2,977,606
2,977,607
2,994,891
2,999,253
3: 2,999,254
4: 2,991,489
6: 2,980,924
3,002,202
3,013,284
8: 2,968,053
2,977,608
2,978,716
3,005,214
3,005,215
3,006,002
3,009,174
8.3: 2,969,552
9: 2,968,819
2,971,206
2,994,892
11: 2,968,820
2,970,324
2,972,758
2,986,749
3,001,213
3,004,268
3,011,184
14: 2,985,896
24: 2,967,311
26: 2,987,736
2,995,763
34: 2,986,750
307: 2,975,438
308: 2,980,925
309: 2,980,926
310: 2,970,325
2,971,207
2,974,330
2,986,751
2,988,761
3,000,022
3,010,125
313: 2,975,439
316: 2,970,326
2,979,740
2,993,217
3,014,227
321: 3,004,269
333: 3,012,257
335: 2,987,737
338: 2,999,255
3,002,203
340: 3,009,175
347: 2,974,331
2,980,927
2,998,613

Class 10

2: 2,980,928
6: 2,996,734
10: 2,980,929
2,996,735
3,009,176
12: 2,985,897
2,997,725
3,002,204
15: 2,970,327
3,007,181
20.5: 2,982,978
27: 2,985,898
2,986,752
3,009,177
72: 2,968,821
3,001,214
86: 3,006,003
87: 2,968,822
2,996,736
89: 2,991,490
3,002,205
3,009,178
101: 2,973,528
105: 2,979,741
107: 2,996,737
114: 3,004,270
128: 2,969,553
3,003,165
129: 3,004,271
3,011,185
135: 3,002,206
136: 3,003,166
3,008,155
138: 2,981,961
139: 2,972,759
2,975,440
2,981,962
3,008,156
3,013,285
141: 2,975,441
147: 2,985,899
148: 2,979,742
152: 2,991,491
3,010,126
153: 2,976,549
155: 2,985,900
2,993,218
2,996,738
3,012,258
3,012,344

Class 11

1: 2,969,554
2,982,979
2: 3,009,179
3: 3,009,180
4: 2,974,332

Class 12

1: 2,980,930
2,983,932
2,984,847
4.3: 2,970,328
2,970,329
4.4: 2,974,333
7.6: 3,000,023
7.8: 2,989,761
8.2: 2,986,753
8.3: 2,970,330
2,978,717
3,000,024
8.8: 3,011,186
10.2: 3,008,157
12.3: 2,979,743
3,005,216
12.4: 2,982,980
2,990,559
14.2: 2,980,931
16.4: 3,009,181
17: 2,989,762
2,990,560
2,994,893
3,002,207
20: 2,979,744
2,984,848
21: 3,010,127
24.5: 3,006,004
31.5: 2,968,823
33: 2,968,054
2,996,739
3,002,208
3,012,259
33.2: 2,987,738
33.4: 2,974,334
3,005,217
37: 2,977,609
38: 2,975,442
2,985,901
42: 3,012,260
49.1: 2,972,760
50: 2,983,933
50.5: 2,992,445
53.5: 2,977,610
3,007,182
54.3: 2,983,934
2,983,935
55: 2,979,745
59.5: 3,012,261
59.7: 2,970,331
3,007,183
66: 2,980,932
85: 3,006,005
86.5: 2,987,739
86.6: 3,006,006
88: 2,995,764
2,996,740
103: 2,987,740
115.4: 2,983,936
117.4: 2,984,849
120.5: 3,013,286
125: 2,967,312
126: 2,974,335
2,975,443
128: 2,975,444
133: 2,977,611
136: 3,001,215
3,006,007
141: 2,967,313
142: 2,973,529
2,973,530
2,973,531
2,999,256
3,005,218
3,011,187
145: 2,969,555
3,007,184
3,009,182
146: 2,972,761
2,986,754
3,007,185
147: 2,975,445

Class 13

1: 3,009,973
3: 2,997,510
6: 2,975,224
2,990,438
2,993,079
3,013,095
3,013,096
9: 2,978,525
12: 2,977,398
14: 2,978,526
2,996,559
15: 2,997,511
16: 2,969,410
2,982,804
17: 2,979,550
20: 2,992,286
22: 2,998,469
23: 2,972,651
2,988,581
25: 2,971,039
3,004,090
3,009,974
26: 2,968,685
3,012,083
27: 2,960,411
2,972,652
2,997,512
3,004,091
3,007,986
29: 2,993,943
3,005,858
31: 2,969,412
2,971,996
2,976,339
3,004,092
3,005,859
33: 2,971,040

Class 14

1: 3,010,128
27: 2,977,612
42: 3,004,272
71: 2,972,762
2,974,336
2,993,219
2,994,894
3,003,167
3,006,008
3,008,158
72: 3,009,183
568: 3,001,418

Class 5

1: 3,002,209
3,010,129
1.5: 2,972,763
2,980,933
1.7: 2,977,613
2,980,934
2,988,762
3,003,168
3,003,169
3,008,159
3,008,160
3: 3,012,262
3.11: 2,976,550
3.13: 2,979,746
3.14: 2,996,741
4: 2,968,824
2,976,551
2,986,755
2,987,741
21: 2,973,532
2,973,533
2,975,446
2,975,447
2,976,552
2,978,718
2,979,747
2,980,935
2,983,937
2,994,895
2,997,726
3,000,025
3,000,026
3,000,027
3,008,161
22: 2,975,448
2,977,614
2,993,220
23: 3,008,162
24: 2,999,257
28: 2,967,314
3,012,263
36: 3,010,130
40: 2,971,208
41: 2,968,055
2,975,449
3,003,170
48: 2,975,450
49: 2,967,315
2,969,556
2,978,719
2,986,756
2,986,757
3,011,188
3,011,189
3,011,190
3,011,191
3,013,287
50: 2,969,557
2,972,155
2,977,615
2,989,763
2,999,258
3,013,288
55: 3,004,273
56: 3,042,274
74: 2,973,534
3,011,192
77: 2,989,764
3,001,216
78: 2,973,535
79: 2,984,850
3,014,228
82: 2,978,720
2,994,896
87: 2,991,492
2,996,742
3,011,193
93: 2,973,536
2,986,758
3,001,217
93: 3,011,194
97: 2,986,759
2,992,446
3,006,009
3,014,229
98: 2,978,721
2,996,743
3,005,219
3,011,195
102: 3,002,210
103: 3,001,218
104.06: 2,972,156
2,974,337
2,977,616
2,977,617
3,000,028
3,011,196
3,011,197
104.09: 3,007,187
104.1: 2,966,688
2,967,316
2,977,618
3,004,275
104.16: 2,991,493
104.3: 2,973,537
3,007,186
104.8: 2,999,259
105: 2,981,963
2,981,964
112: 3,002,211
113: 2,980,936
114: 2,972,764
2,982,981
2,987,742
118: 2,968,825
2,999,260
119: 2,966,689
2,967,317
2,977,619
2,984,851
2,994,096
2,994,097
3,006,010
3,008,163
3,014,230
121: 3,001,219
121.3: 2,983,938
124: 2,968,056
131: 2,967,318
132.7: 2,968,826
133: 2,967,319
142: 2,977,620
143: 2,989,765
144: 2,984,852
145: 2,984,853
2,991,494
147: 2,967,320
2,970,332
2,975,451
2,976,553
3,005,220
160: 2,974,338
2,983,939
3,008,164
161: 2,989,766
166: 2,985,902
167: 2,976,554
2,978,724
3,010,131
172: 3,000,029
176: 2,988,764
3,008,165
179: 2,973,539
2,979,749
180: 2,982,983
3,005,221
3,007,188
3,009,184
181: 2,983,940
3,013,289
182: 2,977,621
2,977,622
2,994,898
3,002,212
183: 2,970,333
2,978,725
2,978,726
3,010,132
184: 2,968,827
187: 2,988,765
193: 2,993,221
198: 2,989,767
201: 3,000,030
202: 2,987,744
203: 2,981,965
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206: 2,972,157
209: 2,975,452
2,983,941
210: 2,966,690
2,975,453
2,992,447
2,996,744
2,998,614
3,000,031
227: 2,966,691
229: 2,973,540
2,974,339
2,987,745
2,988,766
2,996,745
3,006,011
3,008,166
3,011,198
230: 2,983,942
2,987,746
2,995,765
3,007,189
3,008,167
3,008,168
231: 3,012,264
234: 2,993,222
235: 2,984,854
235.4: 3,010,133
235.8: 2,999,261
236: 2,968,057
2,980,937
2,983,943
3,010,134
237: 2,989,768
244: 2,972,158
2,975,454
2,975,455
2,983,944
2,994,899
3,001,220
3,002,213
3,008,169
3,012,265
245: 2,968,828
3,013,290
3,013,291
246: 2,975,456
2,981,966
3,010,135
247: 2,970,334
250: 2,974,340
2,979,750
250.02: 2,968,058
2,970,335
2,970,336
2,977,623
2,978,727
2,978,728
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2,986,761
2,990,561
2,992,448
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3,000,033
3,000,034
3,003,171
3,005,222
3,006,012
3,010,136
3,011,199
3,014,231
250.04: 2,970,337
3,008,170
3,008,171
250.12: 2,985,903
250.15: 2,973,541
250.16: 2,978,729
2,987,747
250.17: 3,006,013
250.21: 2,975,457
2,979,752
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250.23: 2,973,542
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3,003,173
3,014,232
250.25: 2,995,766
250.27: 2,975,458
2,976,555
250.29: 2,984,855
250.32: 2,974,341
3,007,190
250.33: 3,006,014
3,009,185
250.34: 2,994,900
3,011,200
250.35: 2,997,727
3,006,015
3,009,186
250.36: 2,966,692
2,975,459
3,001,221
3,006,016
250.37: 2,981,967
3,006,017
250.40: 2,971,209
250.42: Re.24,974
2,978,730
2,983,945
2,985,904
2,996,746
3,003,174
250.42: 3,003
3,006
256.5: 2,972
2,987
3,003
256.6: 2,979
257.05: 2,994
257.06: 2,972
2,977
2,983
2,989
257.4: 2,978
257.7: 2,987
258: 2,972
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265: 2,986
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267: 2,987
268: 2,99
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301: 2,97
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303: 2,99
304: 2,96
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306: 3,00
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382: 3,00

227: 2,966,691
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2,996,745
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3,011,198
230: 2,983,942
2,987,746
2,995,765
3,007,189
3,008,167
3,008,168
231: 3,012,264
234: 2,993,222
235: 2,984,854
35.4: 3,010,133
35.8: 2,999,261
236: 2,968,057
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2,983,943
3,010,134
237: 2,989,768
244: 2,972,158
2,975,454
2,975,455
2,983,944
2,994,899
3,001,220
3,002,213
3,008,169
3,012,265
245: 2,968,828
3,013,290
3,013,291
246: 2,975,456
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3,010,135
247: 2,970,334
250: 2,974,340
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0.02: 2,968,058
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2,990,561
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3,000,034
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3,005,222
3,006,012
3,010,136
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0.12: 2,985,903
0.15: 2,973,541
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0.17: 3,006,013
0.21: 2,975,457
2,979,752
3,010,137
3,012,266
0.23: 2,973,542
3,003,172
3,003,173
3,014,232
0.25: 2,995,766
0.27: 2,975,458
2,976,555
0.29: 2,984,855
0.32: 2,974,341
3,007,190
0.33: 3,006,014
3,009,185
0.34: 2,994,900
3,011,200
0.35: 2,997,727
3,006,015
3,009,186
0.36: 2,966,692
2,975,459
3,001,221
3,006,016
0.37: 2,981,967
3,006,017
0.40: 2,971,209
0.42: Re.24,974
2,978,730
2,983,945
2,985,904
2,996,746
3,003,174

250.42: 3,003,175
3,006,018
256.5: 2,972,767
2,987,748
3,003,176
256.6: 2,979,753
257.05: 2,994,901
257.06: 2,972,765
2,977,624
2,982,982
2,982,984
2,988,767
257.4: 2,978,731
257.7: 2,987,749
258: 2,972,768
2,986,762
3,000,035
265: 2,986,763
2,991,495
3,009,187
267: 2,987,750
268: 2,994,902
2,996,747
3,006,019
301: 2,976,556
2,979,754
303: 2,995,767
304: 2,967,321
2,980,938
306: 3,004,276
307: 2,999,262
308: 2,982,985
2,994,903
3,013,292
310: 2,984,856
2,990,562
3,005,223
3,011,201
312: 2,973,543
2,974,342
2,976,557
2,976,558
2,994,904
3,001,222
3,003,177
3,003,178
3,004,277
3,011,202
3,011,203
3,011,204
3,011,205
314: 2,979,755
3,000,036
315: 3,000,037
319: 3,004,278
320: 2,986,764
2,993,223
3,002,214
3,011,206
321: 2,972,769
323: 2,974,343
2,975,460
2,978,732
2,997,728
3,006,020
327: 2,974,344
2,975,461
2,982,986
2,987,751
2,998,615
3,002,215
3,002,216
3,003,179
328: 2,974,345
329: 2,986,765
330: 2,969,559
3,009,188
338: 2,996,748
340: 2,972,159
2,973,544
3,004,279
3,006,021
3,007,191
342: 2,994,098
344: 2,972,160
2,974,346
2,999,263
3,011,207
346: 2,971,210
347: 3,013,293
353: 2,985,905
2,989,769
354: 2,972,770
355: 2,997,729
356: 2,974,347
364: 3,006,022
368: 2,997,730
371: 2,972,771
372: 3,005,224
3,012,267
373: 2,966,693
3,013,294
377: 2,980,939
382: 3,002,217

387: 2,993,224
396: 2,989,770
399: 2,974,348
406: 2,999,264
412: 3,000,038
417: 2,966,694
3,012,268
3,013,295
421: 2,978,733
501: 2,972,772
503: 2,988,763
506: 2,980,940
2,980,941
2,999,265
3,006,023
507: 2,985,906
510: 2,983,946
512: 2,980,942
514: 3,003,180
3,005,225
515: 3,010,138
517: 2,988,768
3,009,189
518: 2,990,563
522: 2,988,769
524: 3,009,190
532: 2,975,462
2,976,559
534: 3,000,039
537: 2,978,723
2,996,749
543: 2,972,161
2,994,897
544: 2,975,463
545: 2,982,987
546: 2,979,756
547: 2,995,768
3,008,172
555: 2,978,722
558: 2,986,766
560: 2,972,773
561: 3,007,192
563: 2,975,464
3,003,181
3,003,182
565: 2,972,766
3,006,024
566: 2,996,750
2,999,266
3,003,183
567: 2,977,625
3,000,040
568: 3,014,233
569: 2,974,349
2,974,350
2,975,465
2,976,560
2,979,757
2,990,564
572: 2,974,351
2,975,466
2,976,561
2,981,968
2,997,731
2,998,616
3,010,139
581: 3,003,184
592: 3,010,140
596: 2,984,857
598: 2,997,732
605: 2,979,748
607: 2,973,538
611: 2,975,467

Class 16

1: 2,967,322
6: 2,990,565
7: 2,980,943
2,994,905
2,996,751
16: 2,995,769
3,003,185
3,008,173
3,010,141
18: 2,981,969
2,996,752
21: 2,971,211
2,976,562
2,986,767
2,995,770
2,995,771
2,998,617
26: 2,972,162
34: 2,975,468
35: 2,972,163
2,980,944
42: 2,973,545
2,974,352
2,988,770
2,996,753
3,000,041
3,000,042
43: 2,973,546
2,992,449

44: 2,987,752
49: 2,969,560
51: 2,994,906
52: 2,996,754
3,001,223
54: 3,004,280
55: 2,971,212
2,979,758
3,009,191
59: 3,011,208
64: 3,000,043
66: 2,979,759
78: 2,992,450
82: 2,978,734
3,000,044
85: 2,972,164
2,980,945
3,008,174
86: 2,967,324
3,004,281
3,010,142
3,012,269
87: 2,990,566
87.2: 2,971,213
2,978,735
2,986,768
87.8: 2,980,946
3,000,045
88: 2,989,771
90: 3,000,046
93: 2,966,695
3,005,226
94: 2,966,696
2,983,947
2,985,907
2,991,496
97: 2,982,988
105: 2,980,947
2,990,567
2,994,099
2,999,267
3,011,209
110: 2,979,760
114: 2,974,353
121: 2,982,989
3,000,047
128: 2,990,568
3,000,048
3,008,175
3,011,210
128.1: 2,987,753
2,994,907
3,009,192
129: 2,973,547
134: 3,007,193
136: 2,968,829
3,008,176
138: 2,986,769
3,009,193
139: 2,993,225
3,000,049
140: 2,977,626
2,979,761
2,995,772
3,010,143
3,013,296
141: 2,970,338
2,985,908
2,992,451
2,992,452
2,999,268
142: 2,987,754
144: 2,966,697
3,012,270
146: 2,976,563
2,984,858
2,990,569
2,997,733
147: 3,008,177
148: 2,972,165
149: 2,990,570
2,999,269
151: 2,987,755
2,987,756
3,002,218
153: 2,968,830
162: 2,989,772
163: 3,004,282
164: 3,001,224
166: 2,983,948
3,001,225
169: 2,978,736
2,987,757
2,997,734
3,005,227
3,013,297
171: 2,990,571
3,005,228
172: 2,968,059
175: 2,974,354
176: 3,006,025
179: 2,974,355
180: 2,986,770
182: 2,981,970
2,997,735

184: 2,998,618
185: 2,971,214
189: 2,967,325
2,972,166
190: 2,984,859
3,001,226
3,001,227
3,008,178
191: 2,990,572
2,993,226
193: 3,007,194
197: 2,986,771
2,987,758
2,989,773
202: 3,008,179

Class 17

1: 2,977,627
2,978,737
2,979,762
2,994,908
2: 2,971,215
2,973,548
2,974,356
2,976,564
2,987,759
2,988,771
3: 2,993,227
3,003,186
7: 2,968,060
8: 2,974,357
2,979,763
2,980,948
11: 2,975,469
2,997,736
3,009,194
11.1: 2,968,831
2,972,167
2,991,497
3,002,219
11.2: 2,977,628
2,994,909
12: 2,993,228
21: 2,994,910
23: 2,994,911
25: 2,971,216
2,981,971
32: Re.24,935
3,002,220
3,004,283
34: 2,980,949
3,010,144
35: 2,999,270
37: 2,996,755
39: 2,977,629
3,009,195
40: 2,966,698
42: 2,983,949
44.1: 2,981,972
2,990,573
45: 2,968,061
2,978,738
2,978,739
2,981,973
2,998,619
3,012,271

Class 18

1: Re.24,978
2,967,326
2,971,217
2,974,358
2,978,740
2,984,860
2,984,861
2,986,772
2,988,772
2,991,498
2,994,912
2,995,773
3,002,221
3,002,222
3,004,284
3,010,145
3,013,298
3,014,234
2: 2,968,832
2,970,339
2,972,168
2,972,774
2,973,549
2,976,565
2,976,566
2,978,741
2,980,950
2,980,951
2,982,990
2,984,862
2,985,909
2,987,760
2,988,773
2,988,774
2,994,100

2: 2,994,913
2,994,914
2,995,774
2,997,737
2,997,738
3,002,223
3,005,229
3,007,195
3,008,180
3,011,211
3,012,272
2.4: 2,968,833
2,978,742
2,984,863
2,994,101
2.5: 2,967,327
2,968,062
2,972,169
2,974,359
2,978,743
2,978,744
2,980,952
2,980,953
2,981,974
2,982,991
2,984,864
2,987,761
2,987,762
2,992,453
2,994,915
3,002,224
3,013,299
3,014,235
3,014,236
2.6: 2,980,954
2,986,773
2,991,499
2,994,102
2,998,620
3,007,196
2.7: 2,979,764
3,001,228
3.5: 2,982,992
2,988,775
4: 2,974,360
2,974,361
2,975,470
2,977,630
2,979,765
2,989,774
2,989,775
2,995,775
3,005,230
3,012,273
5: 2,968,063
2,974,362
2,975,471
2,975,472
2,975,473
2,978,745
2,980,955
2,982,993
2,984,865
2,984,866
2,986,774
2,988,776
2,989,776
2,990,574
2,991,500
2,992,454
2,994,103
2,996,756
2,998,621
3,000,050
3,000,051
3,000,052
3,002,225
3,003,187
3,004,285
3,005,231
3,007,197
3,008,181
3,008,182
3,009,196
3,009,197
3,009,198
3,012,274
3,013,300
5.1: 2,996,757
5.3: 2,984,867
2,985,910
2,992,455
2,998,622
5.7: 3,005,232
6: 2,971,218
2,983,951
2,987,763
2,991,501
2,997,739
8: 2,968,834
2,969,561
2,970,340
2,971,219
2,973,550

8: 2,974,363
2,975,474
2,978,746
2,979,766
2,979,767
2,980,956
2,980,957
2,982,994
2,983,952
2,985,911
2,986,775
2,987,764
2,988,777
2,990,575
2,991,502
2,993,229
2,993,230
2,994,916
2,996,758
3,000,053
3,001,229
3,001,230
3,002,226
3,005,233
3,006,026
3,006,027
3,006,028
3,008,183
3,009,199
3,010,146
3,010,147
3,014,237
9: 2,966,699
2,994,917
2,998,623
3,010,148
10: 2,976,567
11: 3,001,231
12: 2,968,835
2,968,836
2,970,341
2,973,551
2,975,475
2,977,631
2,978,747
2,979,768
2,979,769
2,982,995
2,985,912
2,989,777
2,990,576
2,991,503
2,994,104
2,994,105
2,994,918
2,998,624
3,000,054
3,002,227
3,006,029
3,007,198
3,007,199
3,008,184
3,010,149
3,010,150
3,010,151
3,012,275
3,014,238
13: 2,973,552
2,977,632
2,980,958
2,991,504
3,004,286
14: 2,966,700
2,978,748
2,987,765
2,987,766
2,987,767
2,987,768
2,989,778
2,990,577
3,008,185
3,008,186
3,008,187
3,009,200
3,012,276
15: 2,974,364
2,985,913
3,001,232
3,007,200
16: 2,968,837
2,983,953
2,993,231
16.5: 2,994,106
2,995,776
2,996,759
2,999,271
3,006,030
16.7: 2,979,770
17: 2,970,342
2,973,553
2,974,365
2,975,476
2,978,749
2,983,954

17: 2,987,769
2,997,740
3,005,234
3,012,277
3,012,278
3,012,279
18: 2,987,770
2,989,779
2,991,505
2,996,760
3,004,287
19: 2,967,328
2,968,064
2,969,562
2,972,775
2,973,554
2,974,366
2,974,367
2,977,633
2,979,771
2,980,959
2,981,975
2,983,955
2,985,914
2,985,915
2,989,780
2,993,232
2,999,272
3,004,288
3,004,289
3,006,031
3,007,201
3,009,201
3,010,152
3,011,212
3,013,301
3,014,239
20: 2,973,555
2,980,960
2,989,781
2,994,107
2,997,741
3,011,213
21: 2,980,961
3,014,240
24: 2,996,761
3,013,302
25: 2,975,477
26: 2,967,329
2,993,233
2,994,919
2,996,762
3,003,188
3,010,153
30: 2,969,563
2,972,776
2,973,556
2,975,478
2,976,568
2,976,569
2,977,634
2,979,772
2,983,956
2,983,957
2,986,776
2,988,778
2,988,779
2,990,578
2,990,579
2,991,506
2,994,920
2,997,742
2,999,273
2,999,274
3,000,055
3,001,233
3,001,234
3,003,189
3,004,290
3,005,235
3,006,032
3,007,202
3,008,188
3,008,189
3,009,202
3,009,203
3,010,154
3,010,155
3,010,156
3,011,214
3,012,280
3,014,241
3,014,242
3,014,243
33: 2,975,479
34: 2,966,701
2,968,838
2,972,777
2,973,557
2,975,480
2,979,773
3,003,190
3,009,204
3,014,244
34.1: 2,976,570

Class 18—Con.

35: 2,982,996
36: 2,974,368
2,983,958
2,995,777
38: 2,970,346
39: 2,985,916
2,987,771
2,995,778
3,008,190
42: 2,975,481
2,976,571
2,981,976
2,982,997
2,987,772
2,994,921
3,004,291
3,013,303
3,013,304
3,014,245
43: 2,981,977
2,985,917
3,000,056
44: 2,972,778
45: Re.25,007
2,968,839
2,970,343
2,970,344
2,988,780
2,994,922
47: 2,967,756
2,983,570
47.2: 3,014,246
47.3: 2,978,250
2,984,868
2,987,773
2,991,507
3,009,205
3,012,281
47.5: 2,974,369
2,974,370
2,975,482
2,975,483
2,976,572
2,976,573
2,977,635
2,980,962
2,980,963
2,983,959
2,992,456
2,994,108
2,994,923
2,996,763
3,001,235
3,003,191
3,004,292
3,004,293
3,012,282
3,013,305
48: 2,968,065
2,968,066
2,968,067
2,972,779
2,975,484
2,976,574
2,979,774
2,981,978
2,981,979
2,983,960
2,984,869
2,987,774
2,988,781
2,988,782
2,988,783
2,989,782
2,989,783
2,995,779
2,995,780
2,997,743
3,000,057
3,001,236
3,005,236
3,006,033
3,007,203
3,007,204
3,010,157
3,011,215
3,012,283
3,012,284
3,013,306
48.3: 2,993,234
48.8: 3,012,285
53: 2,971,220
2,971,221
2,979,775
2,982,998
3,002,228
3,003,192
3,007,205
3,013,307
54: 2,967,085
2,967,086
2,968,522
2,969,272
54: 2,970,883
2,970,884
2,971,816
2,971,817
2,972,511
2,973,243
2,974,004
2,974,005
2,975,019
2,975,020
2,975,021
2,975,022
2,975,023
2,975,024
2,976,113
2,977,183
2,977,184
2,978,292
2,979,376
2,980,492
2,980,493
2,982,598
2,983,571
2,983,572
2,984,541
2,985,503
2,986,446
2,987,371
2,987,372
2,987,373
2,988,418
2,988,419
2,988,420
2,989,366
2,990,235
2,990,236
2,991,147
2,992,882
2,994,576
2,995,416
2,995,417
2,997,365
2,999,004
3,001,851
3,002,803
3,002,804
3,003,846
3,006,715
3,007,764
3,007,765
3,007,766
3,009,762
3,009,763
3,009,764
3,009,765
3,010,781
3,011,859
3,011,860
3,011,861
3,012,846
3,012,847
54.7: 3,001,237
3,001,238
55: 2,966,702
2,967,330
2,972,780
2,974,371
2,975,485
2,976,575
2,981,980
2,985,918
2,987,775
2,990,580
2,991,508
2,994,109
2,997,744
2,997,745
2,999,275
3,001,239
3,002,229
3,003,193
3,003,194
3,004,294
3,008,191
3,008,192
3,009,206
3,011,216
3,011,217
3,012,286
3,013,308
3,013,309
55.1: 3,001,240
3,012,287
56: 2,970,345
2,972,781
2,973,558
2,974,372
2,979,776
2,983,961
2,984,870
2,986,777
2,990,581
2,991,509
2,995,781
56: 3,004,295
3,007,206
3,013,310
57: 2,971,222
2,975,486
2,979,777
2,980,964
2,980,965
2,987,776
2,991,510
2,994,924
3,004,296
3,007,207
3,009,207
3,009,208
3,013,311
58: 2,971,223
2,972,170
2,976,576
2,979,778
3,009,209
3,010,158
58.3: 2,972,782
2,993,235
58.6: 2,967,331
3,005,237
58.7: 2,966,703
2,977,636
2,997,746
59: 2,966,704
2,968,840
2,971,224
2,971,225
2,972,783
2,972,784
2,974,373
2,975,487
2,975,488
2,976,577
2,977,637
2,977,638
2,977,639
2,978,751
2,979,779
2,980,966
2,981,981
2,981,982
2,981,983
2,981,984
2,982,999
2,983,962
2,983,963
2,983,964
2,985,919
2,985,920
2,988,784
2,989,784
2,989,785
2,990,582
2,991,511
2,992,457
2,993,236
2,994,110
2,994,111
2,994,925
2,995,782
2,996,764
2,999,276
3,000,058
3,002,230
3,002,231
3,004,297
3,004,298
3,007,208
3,007,209
3,008,193
3,011,218
3,011,219
3,013,922
59.2: 2,987,777
59.3: 2,972,785
2,984,871
2,987,778
2,990,583
60: 2,974,374
61: 2,979,780

Class 19

37: 2,976,578
7: 2,979,781
3,011,220
12: 3,009,210
28: 2,977,640
33: 2,983,965
38: 2,993,237
50: 2,973,559
52: 2,994,926
54: 2,991,512
59: 2,969,564
65: 2,978,752
66: 2,981,985
2,990,584
2,997,747
66: 3,000,059
3,000,060
3,005,238
67: 2,979,782
2,990,585
3,003,195
3,004,299
3,010,159
3,014,247
69: 2,995,783
3,010,160
70: 2,978,753
2,980,967
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72: 2,972,171
75: 2,984,872
93: 2,977,641
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98: 2,986,778
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105: 2,983,966
106: 2,985,921
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112: 2,973,560
116: 2,974,375
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128: 2,985,922
129: 2,985,923
130: 2,972,786
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131: 2,977,643
2,993,238
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3,011,221
134: 2,984,873
2,991,513
135: 2,971,226
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3,014,248
137: 3,014,249
139: 2,979,783
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142: 2,972,787
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143: 2,991,515
144.5: 2,976,579
2,987,781
146: 3,001,242
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149: 2,977,644
150: 2,976,580
151: 3,013,312
155: 2,968,068
3,013,313
156: 2,968,069
2,986,780
2,993,239
3,003,197
3,010,161
157: 2,997,749
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159: 2,975,489
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2,988,785
2,990,586
161: 2,986,781
3,012,290
166: 3,005,240

Class 20

.5: 2,967,332
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3,008,195
1: 3,000,061
1.12: 3,002,233
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1.123: 2,978,754
1.126: 2,968,841
2,968,842
2,968,843
2,983,968
2,985,924
2,990,587
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3,002,234
1.13: 3,009,211
1.2: 2,984,874
3,006,038
2: 2,990,588
3,003,198
3,004,302
3,007,212
3,009,212
3,012,291
4: 2,966,705
2,968,070
2,969,565
2,986,782
2,993,240
2,994,112
2,994,113
2,994,114
2,995,784
2,996,765
2,999,277
2,999,278
3,003,199
6: 2,991,516
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9: 3,010,162
10: 3,005,242
11: 2,980,969
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3,001,244
3,001,245
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16: Re.25,066
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3,014,250
22: 2,974,376
2,979,786
2,992,461
23: 2,975,490
2,979,787
2,992,462
2,997,752
2,997,753
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28: 2,968,844
35: 2,968,845
2,970,347
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3,001,246
36: 3,006,041
40: 2,983,001
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40.5: 2,968,071
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42: 2,967,334
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49: 2,987,783
2,990,589
52: 2,967,335
2,978,757
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3,009,215
3,010,163
3,012,292
3,012,293
52.1: 2,971,228
3,003,200
52.2: 3,010,164
52.3: 3,001,247
3,011,224
53: 2,969,566
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2,993,241
3,003,201
3,004,304
55: 2,975,491
56: 3,003,202
56.1: 2,989,788
56.3: Re.25,030
56.4: 2,966,707
2,971,229
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2,983,002
2,983,969
56.4: 2,996,767
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3,009,216
56.5: 2,974,377
2,975,492
2,976,583
2,993,242
3,001,248
3,001,249
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3,008,197
3,014,252
57.5: 2,967,336
2,978,758
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3,011,225
62: 2,980,970
2,981,987
2,994,928
2,995,787
2,996,768
3,001,250
3,012,294
63: 2,967,337
3,004,306
3,004,307
64: 2,976,584
2,999,280
3,003,203
3,004,308
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3,013,314
3,014,253
68: 2,987,784
2,996,769
69: 2,968,072
2,972,789
2,984,875
2,988,788
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2,994,929
2,994,930
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3,004,309
71: 3,000,063
74: 2,981,988
2,996,770
3,007,213
78.6: 2,980,971
91: 2,993,244
3,003,204
3,003,205
92: 2,974,378
2,980,972
3,011,226
3,011,227
92.4: 3,001,252
92.5: 3,011,228
92.7: 3,011,229
94: 2,990,590
95: 2,966,708
100: 2,989,789
101: 2,989,790

Class 21

2: 2,995,418
2.5: 2,978,293
2,979,377
2,986,447
2,987,374
2,996,351
3,006,716
3,007,767
3,011,862
2.7: 2,970,885
2,999,732
3,010,782
3,011,863
58: 2,992,883
61: 3,007,214
73: 2,970,348
2,993,245
74: 3,011,230
76: 2,987,785
79: 2,993,246
82: 3,009,217
109: 3,002,237
119: 3,006,042
122: 2,977,647
124: 2,991,517

Class 22

3: 2,985,925
5: 2,972,790
10: 2,978,759
2,978,760
3,007,215
13: 2,990,591
2,997,755
3,012,295
20: 2,983,970
2,985,926
25: 2,985,927
26: 3,008,199
31: 2,969,567
33: 2,970,349
34: 2,993,247
35: 3,007,216
36: 2,973,562
2,983,971
40: 2,988,789
42: 2,968,073
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57: 2,968,074
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2,984,876
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57.2: 2,976,585
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58: 2,978,762
61: 2,976,586
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64: 2,999,281
65: 3,001,253
3,013,315
65.1: 2,992,463
67: 2,974,379
68: 2,971,230
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2,994,115
3,009,218
69: 2,990,592
2,997,756
73: 2,966,709
2,970,350
2,976,587
2,985,928
2,991,518
3,006,043
3,008,202
3,013,316
79: 2,970,351
2,983,003
2,986,783
2,996,772
81: 2,986,784
82: 2,987,786
3,003,206
83: 2,968,847
84: 2,968,075
85: 2,969,568
2,987,787
2,988,791
3,011,231
89: 2,966,710
3,000,064
3,000,065
90: 2,985,929
92: 2,969,569
95: 3,009,219
96: 3,010,165
110: 3,005,243
111: 2,988,792
113: 2,973,563
113.5: 2,991,519
116: 2,990,593
2,995,788
2,999,282
3,004,310
3,007,217
122: 3,006,044
129: 2,979,790
3,005,244
131: 2,991,520
134: 2,997,757
3,006,045
139: 2,975,493
147: 2,988,793
2,997,758
3,002,238
3,012,296
3,014,254
148: 3,008,203
158: 2,983,004
2,994,931
160: 2,970,352
2,983,005
165: 3,008,204
3,011,232
3,011,233
177: 2,987,788
184: 2,985,930
185: 3,007,218
191: 3,004,311
193: 2,975,494
2,976,588
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2,987,789
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2,997,759
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193: 3,005,245
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3,010,166
194: 2,967,338
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197: 2,985,931
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200.1: 2,976,590
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200.5: 2,996,773
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203: 2,978,764
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204: 2,974,380
206: 2,977,651
209: 2,967,339
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212: 2,968,848
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215: 2,978,765
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216.5: 3,005,246

Class 23

1: 2,981,590
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2,990,238
3,002,805
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2: 2,970,034
2,970,886
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2,992,884
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3,005,679
3,006,717
3,006,718
3,008,796
3: 2,969,273
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2,975,026
2,997,366
4: 2,980,494
14: 2,967,087
2,968,523
2,969,274
2,975,027
2,975,028
2,980,495
2,983,574
2,983,575
2,985,504
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14.5: 2,967,088
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3,000,698
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15: 2,995,420
16: 2,980,496
17: 2,976,114
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18: 2,981,594
2,994,581
19: 2,967,757
21: 2,974,007
3,012,850
22: 2,976,115
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23: 2,998,298
24: 3,005,683
25: 2,977,185
2,980,497
2,985,505
2,989,368
31: 3,010,785
32: 2,980,498
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33: 3,007,770
37: 2,989,369
38: 2,968,525
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48: 2,967,758
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49: 2,980,501
50: 2,980,500
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51: 2,974,008
2,976,116
2,982,607
2,985,506
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52: 2,973,244
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55: 2,970,036
56: 2,980,502
2,996,353
59: 2,969,275
2,983,577
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3,000,701
3,002,810
3,010,786
61: 3,011,867
62: 2,986,448
63: 2,970,037
2,980,503
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64: 2,984,543
66: 2,979,380
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67: 2,977,186
75: 2,977,187
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79: 2,993,754
85: 2,972,514
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91: 2,996,356
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96: 3,014,781
98: 2,982,609
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101: 2,994,583
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102: 3,010,788
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105: 2,995,421
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110: 2,970,038
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116: 2,991,152
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117: 2,982,613
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117: 3,002,814
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121: 2,970,890
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178: 2,978,297
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181: 2,970,893
182: 2,973,246
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183: 2,974,011
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184: 2,976,121
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186: 2,983,579
190: 2,971,820
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191: 2,974,013
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193: 2,977,197
199: 3,002,816
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201: 3,007,776
202: 2,968,529
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209.1: 2,984,547
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209.3: 2,992,901
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209.4: 2,971,822
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215: 2,975,034
216: 3,006,731
219: 2,987,378
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222: 2,975,035
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223.5: 2,972,521
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2,976,124
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254: 2,968,536
2,991,158
2,998,306
3,009,785
3,009,786
255: 2,980,513
256: 2,970,041
2,972,523
259: 2,999,738
259.1: 2,969,277
2,976,125
2,985,513
2,989,379
2,994,591
259.1: 2,994,592
3,010,801
3,011,875
3,011,876
259.2: 2,976,126
2,977,201
259.5: 2,976,127
2,976,128
3,005,688
3,005,689
3,009,787
3,012,864
3,013,865
260: 2,992,078
3,008,807
3,014,790
262: 3,010,802
264: 2,993,764
3,006,737
267: 2,976,129
2,978,299
269: 3,005,690
270: 2,981,608
2,998,307
270.5: 2,967,093
2,973,250
2,980,514
2,988,429
2,990,254
3,010,803
3,010,804
3,013,866
272: 2,985,514
2,987,380
2,990,255
272.6: 2,997,373
272.7: 2,971,825
273: 2,972,524
2,975,036
2,979,386
2,990,256
2,990,257
2,990,258
2,990,259
2,992,903
2,994,593
3,002,821
3,010,805
3,014,791
277: 2,989,380
281: 2,983,588
2,988,430
2,988,431
2,989,381
3,000,707
284: 2,967,094
2,973,251
2,974,019
2,976,130
2,985,515
2,987,381
2,998,308
2,999,012
3,006,738
3,007,778
3,011,877
285: 2,967,765
2,976,131
2,977,202
2,978,300
2,994,594
3,006,739
3,008,808
3,008,809
288: 2,973,252
2,974,020
2,975,037
2,976,132
2,980,515
2,982,623
2,985,516
2,985,517
2,986,454
2,987,382
2,988,432
2,989,382
2,989,383
2,990,260
2,991,160
2,995,426
2,996,361
2,996,362
2,997,374
2,998,309
3,006,740
3,007,779
3,008,810
3,010,806
3,010,807
289: 3,008,811
290: 2,970,042
2,991,161
2,996,363
290.5: 3,002,822

Class 23—Con.

293: 2,968,537
3,002,823
3,004,834
3,011,878
295: 2,983,589
2,985,518
2,987,383
3,005,691
297: 3,010,808
299: 2,983,590
300: 2,992,079
301: 2,967,095
2,970,895
2,972,525
2,985,519
2,985,520
2,988,433
2,990,261
3,002,824
3,013,867
304: 3,009,788
307: 2,982,624
308: 3,012,865
309: 2,975,038
313: 2,977,203
323: 3,000,708

Class 24

3: 2,968,076
2,986,786
3,004,315
11: 2,968,849
16: 2,969,570
2,970,353
2,971,231
3,006,047
3,006,048
3,009,220
3,012,297
17: 2,979,794
3,003,207
18: 2,967,340
26: 3,014,256
27: 3,008,206
28: 2,986,787
3,003,208
30.5: 2,972,791
2,981,990
3,001,254
3,002,240
33: 2,983,974
2,999,284
3,010,168
37: 3,008,207
49: 2,993,249
2,994,116
56: 2,976,591
66: 2,991,522
2,996,774
2,996,775
68: 2,980,974
2,997,761
71: 2,987,790
3,009,221
71.2: 2,991,523
73: 2,966,711
2,966,712
2,969,571
2,970,354
2,973,565
2,977,652
2,979,795
2,981,991
2,981,992
2,983,006
2,983,007
2,983,008
2,984,877
2,984,878
2,986,788
2,991,524
2,992,464
2,992,465
2,995,789
2,995,790
2,997,762
3,000,066
3,002,239
3,006,049
3,009,222
3,009,223
3,011,234
75: 3,004,316
3,013,317
77: Re.25,069
79: 2,984,879
81: 2,968,077
2,968,850
2,984,880
2,985,932
2,986,789
2,994,932
81: 2,997,763
3,002,241
3,011,235
84: 3,002,242
3,003,209
3,003,210
87: 2,969,572
2,971,232
2,996,776
3,000,067
88: 2,992,466
90: 2,980,975
3,001,255
94: 2,999,285
95: 2,975,495
2,986,790
97: 2,974,381
2,987,791
103: Re.25,004
2,970,355
107: 3,010,169
108: 2,996,777
113: 2,977,653
2,983,009
2,983,975
2,993,250
2,996,778
115: 2,970,356
2,983,010
116: 2,973,566
2,978,766
2,978,767
117: 2,983,011
123: 2,967,341
2,983,976
2,988,794
2,995,791
3,008,208
124: 2,991,525
125: 2,971,233
2,984,881
126: 2,970,357
2,971,234
2,977,654
2,983,012
2,988,795
2,991,526
3,003,211
3,004,317
3,007,220
3,009,224
129: 2,976,592
3,011,236
131: 2,984,882
132: 2,985,933
134: 2,978,768
2,998,625
3,000,068
135: 2,968,851
2,997,764
137: 2,976,593
2,983,013
2,983,014
139: 2,976,594
141: 2,994,933
156: 2,984,883
3,001,259
3,002,243
160: 2,968,852
161: 2,971,235
170: 2,981,993
2,996,779
2,998,626
3,011,237
171: 2,972,173
2,983,015
2,999,286
178: 3,001,256
191: 2,972,174
196: 2,977,655
3,013,318
200: 2,981,994
201: 2,970,358
2,972,792
2,975,496
2,975,497
2,978,769
2,994,117
2,997,765
3,009,225
203: 2,978,770
3,008,209
205.1: 2,978,771
2,979,796
2,991,527
2,993,251
2,993,252
2,997,766
3,002,244
3,005,247
3,011,238
205.11: 2,974,382
2,983,016
205.11: 2,988,796
2,989,791
205.14: 2,968,078
2,968,079
2,972,793
2,978,772
2,978,773
2,983,017
2,983,018
2,989,792
2,993,253
2,999,287
3,006,050
3,010,170
3,013,319
205.15: 2,977,656
2,983,977
3,002,245
3,004,318
3,006,051
3,009,226
205.16: 2,991,528
2,996,780
3,003,212
205.17: 2,994,935
206: 2,967,342
2,995,792
3,009,227
207: 2,969,573
2,978,774
2,983,019
208: 2,990,595
211: 2,983,978
2,984,884
2,990,596
2,990,597
3,011,239
213: 2,970,359
216: 3,002,246
219: 2,969,574
221: 2,972,175
2,979,797
2,981,995
2,990,598
2,995,793
222: 2,983,979
2,986,791
223: 2,980,976
227: 2,998,627
230: 2,986,792
2,988,797
2,991,529
2,992,467
2,996,781
2,999,288
3,000,069
3,003,213
235: 2,997,767
3,008,210
239: 2,983,980
3,014,257
241: 2,987,792
2,991,530
2,994,118
3,003,214
3,004,319
247: 3,001,257
248: 2,971,236
2,995,794
2,999,289
3,010,171
251: 3,014,258
252: 2,999,290
3,001,258
253: 2,980,977
259: 2,974,383
2,986,793
2,995,795
3,003,215
263: 2,968,853
2,993,254
2,999,291
3,006,052
3,011,240
3,013,320
265: 2,968,854
2,978,775
2,978,776
2,983,981
2,984,885
2,986,794
2,986,795
271: 2,994,934
274: 2,990,599
277: 2,985,934
2,993,255
278: 2,993,256
2,998,628
279: 2,983,982
2,998,629
3,010,172
284: 3,014,259

Class 25

1: 2,979,798
2,984,886
2: 2,970,360
3,003,216
3,009,228
7: 3,008,211
22: 2,995,796
2,999,292
3,005,248
21: 2,968,080
30: 2,966,713
2,966,714
2,966,715
2,969,575
2,983,020
2,990,600
3,012,298
32: 2,969,576
2,987,793
33: 2,994,119
34: 2,994,936
36: 2,966,716
38: 2,968,081
2,987,794
41: 2,980,978
2,985,935
2,987,795
2,996,782
3,000,070
3,002,247
3,006,053
3,010,173
3,011,241
3,013,321
43: 2,976,595
2,981,996
45: 2,991,531
3,002,248
54: 2,974,384
77: 2,979,799
99: 2,970,361
3,002,249
105: 3,014,260
106: 2,986,796
108: 2,978,777
2,978,778
118: 2,974,385
2,978,779
2,978,780
2,981,997
2,986,797
2,989,793
2,991,532
2,991,533
2,993,257
2,995,797
2,997,768
3,003,217
3,012,299
3,013,322
120: 2,977,657
121: 2,966,717
2,968,082
2,971,237
2,978,781
2,983,021
2,983,983
2,991,534
3,001,260
3,002,250
3,009,229
3,010,174
124: 3,012,300
128: 2,968,855
2,977,658
3,004,320
129: 2,984,887
131: Re.25,102
2,967,343
2,973,567
2,975,498
2,976,596
2,976,597
2,977,659
2,979,800
2,980,979
2,981,998
2,989,794
2,992,468
2,994,120
2,995,798
2,997,769
3,003,218
3,006,054
3,007,221
3,010,175
3,011,242
3,013,323
131.5: 2,974,386
2,985,936
2,985,937
2,994,937
3,004,321
131.6: 3,003,219
132: 2,973,568
133: 2,969,577
142: 2,974,387
2,975,499
2,983,022
2,991,535
154: 2,971,238
2,975,500
2,979,801
2,995,799
2,997,770
155: 2,966,718
2,971,239
2,978,782
2,984,888
2,985,938
155.5: 2,968,083
156: 2,966,719
2,974,388
2,990,601
2,996,783
2,999,293
3,000,071
3,000,072
3,003,220
3,007,222
3,010,176
3,010,177
157: 2,971,240
2,972,176
2,976,598
2,985,939
2,990,602
3,009,230

Class 26

1: 2,971,241
2,972,177
2: 2,970,362
2,970,363
2,983,023
6: 2,978,783
7: 2,979,802
15: 3,008,212
3,013,324
16: 2,977,660
18.5: 3,005,250
18.6: 3,002,251
3,007,223
19: 3,006,055
24: 3,001,261
33: 2,999,294
34: 2,989,795
51.5: 2,968,856
2,972,794
54: 2,972,795
2,998,630
2,999,295
60: 2,971,242
62: 2,968,084
3,000,073
3,003,221
63: 2,996,784
3,012,301
64: 2,969,578

Class 27

1: 2,974,389
7: 2,974,390
17: 2,976,599
2,983,024
2,995,800
19: 3,014,261
26: 2,980,980
35: 3,007,224

Class 28

1: 2,970,364
2,974,391
2,974,392
2,975,501
2,977,661
2,981,999
2,982,000
2,987,796
2,993,258
2,994,938
2,995,801
2,997,771
2,997,772
3,005,251
3,007,225
3,012,302
2: 3,000,074
4: 2,974,393
3,010,178
14: 2,974,394
21: 2,971,243
2,971,244
2,983,025
21: 2,983,984
3,000,075
3,014,262
28: 2,969,579
2,976,600
2,977,662
2,982,001
2,996,785
32: 2,993,259
35: 2,988,798
37: 2,972,796
41: 2,972,797
42: 2,994,939
51: 2,989,796
55.5: 2,975,502
62: 2,977,663
2,993,260
68: 3,006,056
71.3: 2,990,603
3,009,231
72: 2,968,857
2,969,580
2,972,798
2,978,784
2,979,803
2,980,981
2,983,026
2,985,940
2,988,799
2,988,800
2,990,604
2,995,802
3,001,262
3,002,252
3,003,222
3,008,213
3,009,232
3,009,233
3,010,179
3,012,303
3,013,325
3,014,263
72.2: 2,970,365
2,978,785
2,978,786
2,991,536
2,991,537
3,010,180
73: 2,978,787
2,985,941
2,998,631
74: 2,972,799
2,974,395
2,977,664
2,977,665
2,988,801
2,994,940
3,001,263
75: 2,978,788
2,989,797
2,991,538
2,992,469
3,009,234
76: 2,976,601
2,986,798
2,990,605
2,993,261
2,995,803
2,997,773
3,007,226
3,010,181
78: 2,968,858
2,969,581
2,971,245
2,975,503
2,980,982
2,983,027
2,983,028
2,983,985
2,983,986
2,985,942
2,991,539
2,996,786
2,996,787
2,999,296
3,001,264
3,006,057
3,009,235
3,011,243
80: 2,968,085
2,999,297
3,000,076
3,002,253
3,008,214
81: 3,007,227
3,008,215
82: 2,972,178
2,984,889
2,985,943
2,987,797
2,988,802
2,989,798
3,001,265
3,003,223
3,007,228

Class 29

1: 3,012,304
1.1: 2,972,179
2,972,800
2,977,666
2,992,470
1.21: 2,997,774
3,007,229
1.31: 2,987,798
2.2: 2,985,944
4.5: 3,014,264
6: 2,972,801
2,999,298
6.2: 3,011,244
18: 3,002,254
3,002,255
19: 2,985,945
23.5: 2,996,788
25.12: 2,969,582
2,998,632
25.13: 2,984,891
2,999,299
25.14: 2,971,246
2,980,984
2,985,946
25.18: 2,986,799
25.19: 2,985,947
2,995,804
2,999,300
3,006,059
3,008,216
3,013,326
25.2: 2,977,667
3,005,252
3,006,058
25.3: 2,996,720
2,967,344
2,973,569
2,980,983
2,982,002
2,983,987
2,984,890
2,987,799
2,992,471
2,994,121
3,012,305
25.31: 2,987,800
2,991,540
25.35: 2,983,988
2,989,799
25.41: 2,990,606
3,014,265
25.42: 2,972,180
2,974,396
2,978,789
2,993,266
3,002,256
27: 2,966,721
33: 2,978,790
2,982,003
2,982,004
2,998,633
3,005,253
33.5: 2,994,941
34: 2,978,791
37: 3,002,257
3,002,258
38: 3,011,245
42: 2,995,805
76: 2,982,005
3,007,230
78: 2,975,504
2,976,602
2,982,006
2,984,892
3,000,077
3,008,217
79: 2,971,247
2,986,800
2,994,942
80: 2,975,505
2,977,668
81: 2,974,397
2,975,506
2,996,789
90: 2,966,722
2,968,086
2,976,603
2,977,669
2,982,007
95: 2,979,805
95.1: 2,983,989
2,986,801
2,987,801
2,998,634
96: 2,967,345
2,982,008
2,992,472
2,999,301
103: 2,980,985
3,003,224
3,006,060
3,008,218

105: 2,968,859
2,972,802
2,974,398
2,974,399
2,975,507
2,975,508
2,978,792
2,980,986
2,982,009
2,989,800
2,994,943
110: 2,970,366
116: 2,977,671
2,982,010
3,011,246
120: 2,966,723
2,966,724
124: 3,006,061
125: 2,987,802
3,008,219
132: 2,983,990
2,988,803
148.4: 2,969,583
2,978,793
2,978,794
2,978,795
2,980,987
2,983,029
2,983,030
2,986,802
2,998,635
2,998,636
3,004,322
3,007,231
3,008,220
3,013,327
3,014,266
3,014,267
149.5: 2,971,248
2,991,541
2,997,775
2,998,637
3,004,323
155: 2,979,806
2,994,944
3,001,266
3,004,324
3,007,232
3,007,233
155.5: 2,966,725
2,966,726
2,966,727
2,967,346
2,968,860
2,969,584
2,971,249
2,972,803
2,976,604
2,977,672
2,983,031
2,983,032
2,985,948
2,985,949
2,986,803
2,986,804
2,987,803
2,989,801
2,990,607
2,993,262
2,995,806
2,996,790
2,999,302
3,000,078
3,001,267
3,002,259
3,002,260
3,002,261
3,002,262
3,011,247
3,012,306
3,013,912
155.53: 2,996,791
2,998,638
155.54: 2,967,347
3,007,234
3,010,182
155.55: 2,968,861
2,974,400
2,984,893
2,987,804
3,008,221
3,010,183
3,010,184
3,012,307
155.56: 2,994,122
3,000,079
155.57: 2,968,087
2,968,088
2,968,862
2,969,585
2,972,804
2,974,401
2,974,402
2,985,950
2,988,804

155.57: 2,997,776
3,004,325
3,008,222
155.58: 3,010,185
3,014,268
155.59: 2,980,988
155.61: 2,976,605
3,002,263
3,003,225
3,003,226
155.62: 2,979,807
2,986,805
2,991,542
155.63: 2,974,403
155.64: 3,007,235
155.67: 3,007,236
155.68: 2,985,951
155.7: 3,013,328
155.71: 2,994,945
156.4: 2,980,989
3,003,227
156.5: 3,010,186
156.6: 3,000,080
156.7: 2,982,011
2,983,991
2,987,805
2,988,805
156.8: 2,970,367
2,970,368
2,972,181
2,972,182
2,972,805
2,972,806
2,972,807
2,975,509
2,978,796
2,979,808
2,979,809
2,980,990
2,983,992
2,985,952
2,985,953
2,986,806
2,987,806
2,999,303
3,000,081
3,000,082
3,002,264
3,002,265
3,002,266
3,004,326
3,008,223
3,010,187
3,012,308
3,014,269
3,014,270
157: 2,967,348
2,971,250
2,975,510
2,982,012
2,992,473
3,001,268
3,004,327
157.1: 3,000,083
157.3: 2,966,728
2,966,729
2,966,730
2,974,404
2,978,797
2,982,013
2,983,993
2,983,994
2,990,608
2,991,543
2,993,263
2,994,123
2,994,946
2,995,807
2,996,792
2,998,639
2,999,304
2,999,305
2,999,306
2,999,307
2,999,308
3,000,084
3,003,228
3,004,328
3,004,329
3,004,330
3,007,237
3,012,309
157.4: 2,998,640
157.6: 2,976,606
2,983,995
159.01: 2,975,511
2,983,033
159.3: 2,972,183
160.6: 2,976,607
163.5: 3,007,238
169.5: 2,968,863
173: 3,007,239
180: 3,001,269
3,010,188

182: 2,966,731
2,966,732
2,966,733
2,966,734
2,966,735
2,966,736
2,979,810
2,983,996
2,994,947
2,997,777
3,004,331
182.2: 2,987,807
182.5: 2,966,737
2,973,570
2,978,798
2,982,014
2,983,034
2,983,997
2,988,806
2,992,474
2,996,793
3,004,332
3,008,224
3,008,225
3,013,329
182.7: 2,967,349
2,979,811
182.8: 2,986,807
2,998,641
3,000,087
183.5: 2,968,089
2,969,586
2,978,799
2,991,544
2,993,264
2,994,124
3,000,085
3,009,236
190: 3,009,237
191.2: 3,004,333
193.5: 2,996,794
194: 2,973,571
2,988,807
2,994,125
2,998,642
2,999,309
3,005,254
195: 2,971,251
2,995,808
2,996,795
3,010,189
195.5: 2,983,998
196: 2,966,738
196.2: 2,982,015
2,986,808
3,010,190
196.3: 2,977,673
196.4: 3,012,310
196.5: 2,994,126
196.6: 3,009,238
197: 2,982,016
198: 2,983,035
199: 2,984,894
200: 2,969,587
2,993,265
2,994,127
3,012,311
201: 2,995,809
2,997,778
3,008,226
203: 2,970,369
2,970,370
2,970,371
2,973,572
2,974,405
2,978,800
2,980,991
2,992,475
2,997,779
2,997,780
3,004,334
3,006,062
3,009,239
204: 2,967,350
205: 2,988,808
2,994,948
3,006,063
3,010,191
208: 2,972,184
2,980,992
2,983,999
2,995,810
2,997,781
3,003,229
3,005,255
209: 2,973,573
3,012,312
210: 2,991,545
2,994,949
3,013,330
211: 2,966,739
2,971,252
2,974,406
2,986,809

211: 2,995,811
3,011,248
212: 2,978,801
213: 3,011,249
217: 3,010,192
229: 2,977,674
2,978,802
2,991,546
2,998,643
3,012,313
3,013,331
231: 2,983,036
234: 2,971,253
235: 2,968,864
2,992,476
2,996,796
3,007,240
3,010,194
238: 3,000,086
240: 2,968,090
2,984,000
240.5: 2,969,588
2,997,782
241: 2,994,128
3,001,270
243: 2,992,477
254: 2,976,608
3,003,230
255: 3,008,227
259: 2,992,478
261: 2,971,254
263: 3,014,271
266: 3,007,241
267: 3,004,335
3,011,250
270: 2,976,609
2,999,310
271: 2,991,547
275: 2,998,644
278: 3,010,193
280: 3,008,228
282: 2,978,803
283: 3,001,271
401: 2,968,865
2,984,895
2,987,808
2,993,267
2,997,783
2,999,311
3,004,336
3,006,064
3,006,065
3,007,242
402: 2,998,645
404: 2,995,812
3,009,243
407: 2,970,372
2,971,255
3,001,272
3,005,256
408: 2,987,809
2,989,802
2,996,797
3,011,251
410: 2,989,803
411: 2,971,256
413: 2,978,804
417: 2,968,866
419: 3,007,243
3,010,195
420: 2,984,896
420.5: 2,967,351
2,972,185
3,010,196
421: 2,969,589
2,987,810
2,992,479
2,993,268
3,000,088
3,006,066
423: 2,970,373
2,986,810
2,988,809
3,010,197
3,012,314
3,012,315
424: 2,984,897
2,991,548
2,993,269
427: 3,003,231
428: 2,974,407
3,001,273
3,002,268
429: Re.24,997
2,975,512
2,984,898
3,011,252
430: 2,978,805
433: 2,983,037
434: 2,994,950
436: 3,000,089
437: 2,987,811
441: 2,976,610
2,995,813
3,000,090

441: 3,002,269
3,009,240
447: 2,984,899
449: 2,988,810
453: 2,987,812
455: 3,001,274
3,009,241
463: 2,979,812
2,993,270
469: 3,011,253
470: 2,979,813
2,979,814
2,982,017
2,985,954
2,998,646
3,002,270
3,006,067
3,009,242
3,010,198
470.1: 3,006,068
470.9: 2,997,784
471.1: 2,970,374
2,975,513
2,978,806
2,983,038
2,985,955
2,987,813
2,991,549
3,005,257
3,011,254
471.5: 2,984,900
3,000,091
471.7: 3,011,255
472.3: 2,987,814
2,992,480
472.9: 2,996,798
3,000,092
473.1: 2,972,808
3,006,069
3,012,316
474.3: 3,013,332
476.5: 2,996,799
479: 2,967,352
2,977,675
2,988,811
3,012,317
482: 3,001,275
483: 2,982,018
3,002,191
487: 2,984,901
2,986,811
2,987,815
488: 2,969,590
3,002,271
3,008,229
491: 3,002,272
492: 2,982,019
2,990,609
2,993,271
2,995,814
493: 2,987,816
494: 2,987,817
2,996,800
3,005,258
495: 2,977,676
3,001,276
3,001,277
3,008,230
497.5: 2,984,902
498: 2,995,815
502: 2,984,903
503: 2,968,091
2,993,272
504: 3,011,256
505: 3,000,093
3,005,259
509: 3,010,199
516: 2,972,186
517: 2,988,812
522: 2,984,001
525: 2,996,801
526.6: 3,014,272
527: 2,998,647
528: 2,968,092
2,990,610
2,995,816
3,000,094
3,012,318
529: 2,991,550
2,994,951
3,010,200
3,010,201
531: 2,990,611
533: 3,010,202
534: 2,966,740
2,968,093
2,980,993
3,013,333
538: 2,967,353
544: 2,985,956
545: 2,991,551
2,999,312
552: 3,001,278
3,001,279
3,012,319

552: 3,014,273
552.3: 2,994,952
3,010,206
553: 2,976,611
3,012,321
556: 2,991,552
3,001,280
3,014,274
558: 2,966,741

Class 30

2: 2,978,807
3,002,273
4: Re.24,994
2,968,094
2,974,408
2,974,409
2,979,815
2,979,816
2,979,817
2,994,953
2,995,817
2,995,818
2,997,785
3,000,095
3,002,274
3,006,070
3,009,244
3,012,320
6.1: 2,971,257
2,974,410
2,975,514
8.5: 2,983,039
9: 2,997,786
3,002,275
3,010,203
10: 3,000,096
15: 2,975,515
15.5: 2,984,904
16: 2,969,591
2,983,040
2,984,002
2,995,819
3,006,071
17: 3,008,231
22: 2,988,813
23: 2,970,375
24: 2,974,411
2,993,273
3,003,232
28: 2,970,376
2,995,820
3,013,334
30: 2,967,354
2,972,187
2,979,818
2,991,553
32: 2,989,804
34: 2,975,516
2,977,677
2,991,554
3,001,281
40: 2,989,805
41: 2,992,481
3,001,282
43: 2,968,095
2,973,574
2,979,819
2,982,020
2,982,021
2,983,041
2,998,648
3,002,276
3,003,233
45: 3,008,232
58: 3,004,337
63: 3,003,234
68: 2,973,575
90: 2,987,818
3,008,233
3,010,204
90.5: 2,989,806
2,997,787
91: 2,968,096
2,983,042
92: 2,973,576
94: 2,984,905
3,013,335
95: 2,983,043
3,010,205
97: 3,001,283
100: 2,990,612
101: 3,004,338
102: 2,970,377
2,988,814
117: 2,970,378
123: 2,983,044
2,986,812
2,993,274
2,997,788
124: 2,985,957
2,999,313
3,001,284
3,004,339
127: 3,001,285
128: 3,011,257

131: 2,998,649
3,010,206
3,012,321
133: 2,975,517
2,980,994
144: 2,980,995
151: 2,989,807
155: 2,977,678
3,009,245
157: 2,980,996
162: 2,984,003
2,998,650
3,007,244
164.9: 2,982,022
166: 2,977,679
2,984,004
167: 2,992,482
180: 2,990,613
3,003,235
182: 2,985,958
190: 2,984,906
201: 2,974,412
202: 2,985,959
206: 2,969,592
207: 3,001,286
209: 2,972,809
215: 2,979,820
216: 2,982,023
219: 2,974,413
228: 2,967,355
3,008,234
229: 3,014,275
231: 2,994,954
242: 2,997,789
244: 3,003,236
248: 2,984,907
3,007,245
250: 2,993,275
263: 2,975,518
266: 3,006,072
272: 2,973,577
2,974,414
2,984,005
2,984,908
2,985,960
2,990,614
2,994,955
2,998,651
3,000,097
28: 2,970,376
3,009,246
3,014,276
275: 2,994,956
277: 3,003,237
280: 2,986,813
2,992,483
284: 2,968,867
293: 2,978,808
294: 3,009,247
3,009,248
300: 2,986,814
302: 3,005,260
304: 2,986,815
306: 2,999,314
314: 2,966,742
316: 2,990,615
3,004,340
318: 2,969,593
2,976,612
319: 3,003,238
324: 3,014,277
325: 3,004,341
344: 2,995,821
348: 2,983,045
355: 2,973,578
3,001,287
363: 2,980,997
3,004,342
366: 3,010,207
367: 3,011,258

Class 31

6: 2,984,006
8: 2,987,819
21: 2,978,809
2,978,810
2,978,811
22: 2,984,007
44: 3,008,235

Class 32

1: 2,970,379
2,993,276
2: 2,978,812
2,985,961
3: 2,986,816
7: 2,982,024
9: 3,007,246
12: 2,980,998
13: 3,004,343
14: 2,968,097
2,971,258
2,983,046

Class 32—Con.

19: 2,968,868
2,994,957
22: 2,980,999
26: 2,990,616
27: 2,977,682
2,983,047
2,988,815
2,994,129
3,009,249
3,014,278
28: 2,984,008
3,005,261
32: 2,982,025
33: 3,012,322
3,012,323
40: 3,002,277
61: 2,977,683
63: 2,995,822
66: 2,985,962
67: 3,011,259
69: 2,984,009
2,984,909
3,001,288
3,006,073
3,014,279

Class 33

1: 2,966,743
2,968,869
2,971,259
2,972,810
2,972,811
2,973,579
2,977,680
2,979,821
2,981,000
2,991,555
2,992,484
2,993,277
2,996,802
2,996,803
2,999,315
3,002,278
3,003,239
3,005,262
3,006,074
3,007,247
3,008,236
3,010,208
3,012,324
2: 2,977,684
2,986,817
3,003,240
3: 2,975,519
12: 2,972,188
14: 2,997,790
19: 2,999,316
3,002,279
21: 2,974,415
2,977,681
2,985,963
3,000,098
23: 2,976,613
2,984,010
2,990,617
26: 2,999,317
27: 2,974,416
2,976,614
2,981,001
2,983,048
2,989,808
2,994,130
3,002,280
3,002,281
31: 2,992,485
2,996,804
32: 2,981,002
3,003,241
3,003,242
41: 2,968,098
2,975,520
46: 2,971,260
2,972,189
2,979,822
2,981,003
2,982,026
2,984,011
2,987,820
2,991,556
2,998,562
3,012,325
3,013,336
46.5: 2,988,816
3,014,280
47: 2,968,870
2,969,594
3,005,263
49: 2,968,871
3,011,260
3,012,326
50: 2,968,099
2,972,190
50: 3,007,248
3,008,237
51: 2,970,380
52: 2,987,821
60: 3,000,059
61: 2,972,812
3,001,289
63: 2,990,618
64: 3,000,100
69: 2,998,653
72: 2,966,744
3,001,290
75: 2,975,521
3,013,337
76: 2,990,619
3,003,243
77: 2,981,004
2,982,027
2,998,654
79: 2,979,823
2,996,805
80: 2,978,813
2,995,823
81: 2,999,318
85: 2,969,595
2,991,557
88: 3,003,244
3,004,344
89: 2,998,655
3,008,238
3,009,250
90: 3,010,209
97: 3,010,210
98: 2,990,620
100: 2,972,191
107: 3,004,345
112: 2,971,261
122: 2,993,278
125: 2,971,262
2,973,580
2,975,522
2,993,279
3,006,075
3,011,261
126: 2,995,824
126.5: 2,992,486
132: 2,984,012
133: 3,010,211
134: 2,987,822
2,987,823
136: 3,012,327
137: 2,994,958
138: 2,992,487
3,004,346
141: 2,967,356
3,005,264
3,012,328
141.5: 2,994,959
3,002,282
142: 2,972,813
143: 2,969,596
2,979,824
2,984,013
2,996,806
3,000,101
3,000,102
3,002,283
147: 2,968,100
2,976,615
2,991,558
3,000,103
3,007,249
148: 2,979,825
3,013,338
149: 3,008,239
3,011,262
3,014,281
164: 2,975,523
2,979,826
3,002,284
165: 2,972,814
166: 3,012,329
168: 2,986,818
169: 2,992,488
2,992,489
3,009,251
170: 2,987,824
2,994,960
172: 2,969,597
2,971,263
2,977,685
2,987,825
2,994,961
2,995,825
3,007,250
3,009,252
174: 2,968,101
2,969,598
2,972,815
2,973,581
2,973,582
2,974,417
2,975,524
2,976,616
2,979,827
174: 2,986,819
2,992,490
2,999,319
3,001,291
3,001,292
3,002,285
3,002,286
3,005,265
3,012,330
178: 2,968,102
2,973,583
2,981,005
2,984,014
2,990,621
2,993,280
2,994,962
2,994,963
2,997,791
2,998,656
2,999,320
3,006,076
3,007,251
3,007,252
3,010,212
179.5: 2,982,028
2,992,491
2,998,657
2,998,658
180: 2,968,872
2,972,192
2,998,659
2,999,321
3,003,245
3,010,213
184.5: 2,983,049
2,984,910
2,994,964
3,000,104
3,013,339
185: 2,975,525
2,994,131
188: 2,966,745
189: 2,972,816
2,978,814
2,995,826
3,000,105
3,007,253
3,013,340
191: 2,981,006
194: 2,973,584
199: 2,974,418
2,976,617
2,984,911
2,988,817
3,008,240
3,009,253
203: 2,987,826
203.12: 3,003,246
204: 2,988,818
205: 2,972,193
2,992,492
3,014,282
205.5: 2,996,807
3,008,241
207: 2,968,873
2,970,381
209: 2,971,264
211: 2,993,281
3,009,254
3,009,255
212: 2,973,585
215: 2,972,194
2,990,622
3,010,214
3,014,283
216: 2,985,964
217: 3,011,263
222: 2,995,827
223: 3,011,264
226: 2,970,382
2,972,195
2,976,618
2,990,623

Class 34

1: 2,972,196
3,000,106
3,008,242
3,011,265
5: 2,994,132
3,013,341
8: 3,001,293
9: 3,003,247
3,005,266
10: 2,974,419
2,974,420
3,012,331
11: 3,010,215
13: 3,007,254
23: 2,984,912
3,011,266
28: 2,989,809
31: 2,988,819
35: 3,004,347
45: 2,970,383
2,972,817
2,974,421
3,002,287
3,002,288
3,009,256
3,012,332
46: 2,984,913
48: 2,968,874
2,992,493
3,006,077
54: 2,988,820
55: 2,991,559
56: 2,994,133
3,001,294
57: 2,975,526
2,985,965
3,002,289
58: 2,974,422
2,974,423
2,994,965
3,007,255
60: 2,984,015
2,996,808
68: 2,979,828
71: 3,009,257
75: 2,985,966
2,996,809
3,012,333
82: 2,996,810
3,001,295
85: 2,982,029
3,001,296
87: 2,975,527
2,991,560
90: 2,979,829
2,983,050
3,006,078
92: 2,995,828
3,009,258
3,010,216
95: 2,997,792
3,003,248
99: 3,006,079
100: 2,982,030
102: 2,990,624
3,000,107
104: 3,012,334
112: 3,011,267
114: 2,977,686
3,004,348
115: 2,981,007
121: 2,966,746
123: 3,002,290
124: 2,979,830
125: 2,978,815
2,993,282
3,009,261
133: 2,975,528
2,985,967
3,000,108
3,001,297
3,009,259
3,010,217
137: 2,971,265
2,972,818
141: 3,009,260
145: 2,994,134
151: 2,971,266
2,975,529
155: 3,012,335
156: 2,971,267
3,000,109
3,013,342
160: 3,006,080
3,008,243
164: 2,968,103
2,972,197
2,983,051
3,010,218
167: 3,000,110
173: 3,004,349
203: 2,995,829
205: 2,996,811
208: 3,003,249
212: 3,001,298
237: 3,007,256

Class 35

1: 2,968,875
2,985,968
3: 2,975,530
3,006,081
6: 2,987,827
7: 2,968,876
2,984,016
3,012,336
8: 2,973,586
2,975,531
2,976,619
2,984,017
2,984,914
2,991,561
9: 2,970,384
2,970,385
2,970,386
2,970,387
2,971,268
2,976,620
2,983,052
2,983,053
2,983,054
2,984,018
2,986,820
2,987,828
2,997,793
3,009,262
3,009,263
10.2: 2,971,269
2,995,830
3,002,291
3,004,350
10.4: 2,969,599
2,973,587
2,977,687
2,984,915
2,988,821
2,991,562
2,994,135
2,994,966
3,007,257
3,008,244
3,009,264
11: 2,971,270
2,979,831
3,000,111
3,013,343
3,013,344
3,013,345
12: 2,974,424
2,975,532
2,979,832
2,979,833
2,981,008
2,986,821
2,987,829
2,991,563
2,995,831
2,999,322
3,000,112
3,001,299
3,001,300
3,002,292
3,003,250
3,003,251
3,003,252
3,003,253
3,004,351
3,004,352
3,005,267
3,007,258
3,010,219
3,010,220
3,010,221
3,010,222
3,011,268
3,012,337
3,012,338
13: 2,987,830
3,013,346
14: 2,975,533
2,988,822
17: 2,971,271
2,971,272
2,981,009
2,988,823
2,995,832
2,995,833
3,009,265
3,009,266
3,009,267
3,010,223
18: 2,970,388
2,974,425
3,002,293
3,010,224
19: 3,002,294
3,003,254
3,008,245
3,011,269
3,013,347
20: 2,992,494
22: 2,971,273
2,972,198
2,994,967
3,003,255
3,004,353
3,008,246
23: 2,972,819
2,990,625
2,992,495
25: 2,968,877
2,971,274
2,995,834
26: 2,967,357
2,974,426
2,977,688
2,995,835
27: Re.25,031
28.3: 2,988,824
2,995,836
3,000,113
29: 2,984,019
2,988,825
2,989,810
2,994,968
2,994,969
2,998,660
3,009,268
3,012,339
3,014,284
30: 3,000,114
3,006,082
31: 2,966,747
2,971,275
2,978,816
2,991,564
3,001,301
3,002,295
3,005,268
3,011,270
3,014,285
33: 3,003,256
35: 2,973,588
2,984,916
2,986,822
2,996,812
2,996,813
3,007,259
3,014,286
36: 2,988,826
39: 2,994,970
2,997,791
3,005,269
41: 2,988,827
43: 3,003,257
44: 2,994,971
3,003,258
45: 3,005,270
46: 2,967,358
2,971,276
47: 2,985,969
3,014,287
48: 2,977,689
3,003,259
50: 3,008,247
51: 2,983,055
53: 2,984,020
3,011,271
55: 2,977,690
3,008,248
56: 2,972,820
2,987,831
3,010,225
59: 2,968,104
2,975,534
60: 2,972,821
3,000,115
62: 2,971,277
63: 2,987,832
3,008,249
69: 3,010,226
3,010,227
3,013,348
71: 2,987,833
72: 3,003,260
73: 2,979,834
2,982,031
3,010,228
74: 2,989,811
75: 2,982,032
3,013,349
77: 2,976,621

Class 36

1: 2,976,622
3,014,288
2: 3,003,261
2.5: 2,967,359
2,968,105
2,970,389
2,973,589
2,978,817
2,982,033
2,988,828
2,994,972
2,995,837
3,000,116
3,002,296
3,006,083
3,008,250
3,010,229
3,011,272
3,012,340
3,012,341
3: 3,005,271
3,012,342
4.5: 2,987,834
3,000,117
7.1: 2,984,917
2,986,823
7.2: 2,966,748
3,012,343
7.3: 2,966,749
2,970,390
2,977,691
2,986,824
2,997,795
3,006,084
7.5: 3,009,269
8.3: 3,007,260
8.5: 2,967,360
2,972,822
2,977,692
2,992,496
9: 2,971,278
2,995,838
2,995,839
2,996,814
3,004,354
10: 3,000,118
11: 2,974,427
2,999,323
11.5: 2,976,623
2,981,010
2,985,970
3,001,302
3,002,297
14: 2,976,624
17: 2,970,391
19.5: 2,984,918
2,990,626
2,995,840
28: 3,009,270
29: 2,983,056
2,985,971
3,005,272
34: 2,966,750
2,968,106
2,984,021
35: 2,967,361
2,985,972
2,990,627
36: 2,991,565
37: 2,967,362
38: 2,998,661
42: 3,007,261
44: 2,979,835
45: 2,994,136
50: 2,987,835
51: 3,007,262
58.5: 2,969,600
2,990,628
3,000,119
59: 2,981,011
2,986,825
3,006,085
61: 2,968,878
62: 2,972,823
71: 2,978,818
2,979,836
2,990,629
72: 2,972,824
2,973,590
2,988,829
2,988,830
2,994,137
3,006,086
76: 2,989,812
78: 2,996,815

Class 37

2: 2,985,973
2,990,630
8: 2,984,022
12: 2,966,751
2,995,841
16: 2,997,796
41: 2,973,591
3,003,262
42: 2,991,566
2,994,138
3,010,230
3,012,345
43: Re.25,071
2,971,279
2,977,693
2,977,694
2,983,057
2,991,567
2,994,973
45: 3,002,298
3,011,273
46: 2,983,058
50: 2,988,831
3,014,289
53: 2,967,363
2,974,428
2,977,695
2,984,919
3,007,263
54: 2,997,797
3,010,231

55: 2,968,879
2,985,974
2,987,836
57: 2,978,819
58: 2,992,497
2,995,842
64: 3,005,273
66: 2,991,568
67: 2,999,324
81: 2,994,974
86: 2,981,012
2,990,631
2,995,843
3,002,299
3,006,087
92: 2,984,023
94: 2,969,601
2,979,837
2,981,013
2,984,024
3,001,303
97: 2,979,838
2,984,025
2,995,844
98: 2,982,034
2,987,837
2,990,632
3,003,263
103: 3,000,120
3,003,264
104: 2,974,429
3,005,274
3,007,264
116: 2,966,752
2,972,199
2,978,820
2,981,014
117.5: 2,986,826
118: 3,003,265
124: 2,993,283
2,997,798
126: Re.24,952
2,984,026
2,993,284
2,994,139
2,994,975
2,994,976
2,998,662
3,014,290
129: 2,975,535
2,984,027
2,988,832
3,006,088
3,014,291
3,014,292
141: 2,981,015
3,011,274
3,014,293
142: 2,968,880
2,971,280
2,982,035
2,984,028
2,987,838
2,990,633
2,990,634
2,991,569
2,992,498
2,994,140
2,994,141
2,996,816
3,006,089
3,012,346
143: 2,967,364
2,991,570
3,008,251
3,009,271
3,011,275
144: 2,969,602
2,973,592
2,973,593
2,974,430
2,979,839
2,983,059
2,986,827
2,996,817
3,000,121
3,002,300
3,005,275
3,006,090
3,007,265
3,011,276
3,013,350
145: 2,977,696
2,984,029
2,986,828
2,992,499
2,993,285
2,996,818
3,004,355
3,011,277
148: 2,994,142
153: 2,994,977
155: 2,994,143
3,002,301
3,007,266
171: 2,970,392
2,983,060
180: 3,000,122
184: 2,996,819
191: 2,991,571
193: 3,011,278
194: 2,988,833
195: 3,010,232

Class 38

2: 2,976,625
3,012,347
5: 2,972,200
3,001,304
12: 2,976,626
14: 3,013,351
16: 2,977,697
17: 2,973,594
21: 2,994,978
41: 2,971,281
66: 2,968,107
2,970,393
2,981,016
3,006,091
77: 2,967,365
2,970,394
2,976,627
2,981,017
2,987,839
2,991,572
2,993,286
3,001,305
3,002,302
3,003,266
97: 2,990,635
107: 2,994,144
112: 2,969,603
117: 3,004,356
121: 2,974,431
2,998,663
129: 2,994,145
137: 3,002,303
138: 3,009,272
139: 2,997,799
140: 2,999,325
3,007,267
141: 3,008,252
144: 2,974,432

Class 39

22: 2,982,036
28: 2,986,829
74: 2,973,595
75: 2,972,825
87: 2,975,536
92: 2,969,604
2,990,636

Class 40

1.5: 2,972,826
3,005,276
2: 2,976,628
2,979,840
2,987,840
2,995,845
2.2: Re.25,005
2,973,596
2,984,030
2,988,834
3,006,092
5: 3,014,294
10: 2,969,605
2,990,637
3,008,253
3,011,279
11: 2,976,629
2,987,841
3,008,254
3,014,295
16: 2,977,698
2,981,018
2,984,031
18: 2,975,537
19.5: 3,003,267
20: 2,975,538
2,987,842
21: 2,973,597
23: 2,972,201
3,001,306
28: 3,004,357
30: 2,977,699
2,985,975
2,994,146
3,013,352
31: 2,996,820
32: 3,002,304
33: 2,972,202
2,978,821
2,982,037
2,998,664
3,003,268
3,004,358
33: 3,006,093
36: 2,995,846
3,002,305
3,010,233
37: 2,973,598
2,993,287
39: 2,985,976
3,009,273
53: 2,982,038
63: 2,983,061
2,986,830
3,000,123
64: 2,966,753
2,974,433
65: 2,978,822
68: 2,968,881
2,976,630
70: 2,993,288
3,003,269
79: 2,970,395
2,978,823
2,998,665
3,009,274
3,013,353
3,014,296
3,014,297
86: 2,994,147
3,003,270
3,003,271
104: 2,991,573
3,000,124
106.1: 2,968,882
106.21: 2,991,574
106.22: 2,991,575
106.31: 3,006,094
106.41: 3,008,255
106.52: 2,984,032
2,999,326
107: 3,001,307
3,002,306
110: 2,984,033
3,001,308
114: 2,972,827
2,998,666
120: 2,976,631
2,978,824
2,990,638
2,992,500
3,002,307
124: 2,976,632
2,981,019
3,012,348
124.1: 2,974,434
2,984,920
3,007,268
125: 2,970,396
2,975,539
2,976,633
2,976,634
2,993,289
2,995,847
3,005,277
3,007,269
3,010,234
126: 2,979,841
128: 3,005,278
3,006,095
129: 2,994,979
3,001,309
3,004,359
130: 2,968,883
2,981,020
2,982,039
2.991,576
2,994,148
2,994,149
2,995,848
131: 2,974,435
132: 2,996,821
2,998,667
3,010,235
3,013,475
135: 2,988,835
136: 2,996,822
137: 3,000,125
138: 2,969,606
140: 2,966,754
2,967,366
2,995,849
152: 2,966,755
2,968,108
2,968,884
2,971,282
2,984,034
2,993,290
3,013,354
152.1: 2,968,109
2,991,577
2,991,578
3,009,275
155: 3,003,272
156: 2,970,397
2,979,842
2,985,977
158: 2,984,921
159: 2,966,756
2,984,922
202: 2,977,700
302: 2,972,828
306: 2,982,040
307: 3,003,273
315: 2,994,980
316: 3,009,276
323: 2,984,923
324: 2,984,035
330: 2,982,041
2,988,836
333: 2,985,978
334: 2,971,283
336: 2,968,110
2,981,021
2,990,639

Class 41

1: 3,001,310
3: 2,998,668
4: 2,992,501
9: 2,976,635
2.979,843
2,983,062
2,995,850
2,995,851
10: 2,966,757
2,979,844
2,984,036
2,987,843
2,989,813
2,990,640
2,997,800
3,009,277
3,010,236
3,014,298
3,014,299
11: 2,977,701
12: 3,011,280
13: 2,968,885
3,002,308
15: 2,988,837
3,014,300
17: 2,997,801
21: 2,970,043
2,994,150
3,014,301
22: 3,014,302
23: 2,982,042
3,002,309
3,008,256
24: 2,988,838
3,008,257
25: 2,976,636
26: 2,986,831
3,001,311
30: 2,981,022
34: 2,986,832
3,007,270
3,011,281
37: 2,988,839
41: 2,968,538
42: 2,970,044
2,971,826
2,973,253
2,974,021
2,975,039
2,975,040
2,975,041
2,977,204
2,978,301
2,979,387
2,981,609
2,981,610
2,982,625
2,982,626
2,983,591
2,984,549
2,989,384
2,989,385
2,992,080
2,999,013
43: 2,967,766
2,970,896
2,981,611
2,981,612
2,992,904

Class 42

1: 2,972,203
2,983,063
2,985,979
2,997,802
3,004,360
3,007,271
3,012,349
14: 3,008,258
16: 3,013,355
17: 3,003,274
18: 2,997,803
3,000,126
3,005,279
25: 2,984,924
3,014,303
3,014,304
39.5: 2,982,043
42: 2,999,327
47: 2,982,044
54: 2,984,925
57: 2,989,814
2,996,823
58: Re.24,967
2,983,064
59: 2,981,023
66: 2,992,502
2,994,981
69: 2,967,367
2,970,398
2,978,825
2,984,037
3,010,237
3,011,282
70: 2,976,637
2,978,826
2,979,845
3,006,096
71: 2,979,846
3,011,283
74: 3,001,312
3,007,272
75: 2,967,368
2,975,540
76: 3,004,361
77: 2,976,638
78: 2,967,369
79: 2,968,111
2.972,829
2,977,702
2,984,926
2,989,815
84: 2,978,827
2,993,291
87: 2,981,024
94: 2,977,703
2,985,980
2,991,579
3,012,350

Class 43

1: 2,992,503
3,000,127
3: 3,000,128
4: 2,982,045
3,001,313
4.5: 3,005,280
3,009,278
6: 2,970,399
2,981,026
3,004,362
3,014,305
8: 2,993,292
3,006,097
9: 3,007,273
3,007,274
3,013,356
11: 2,971,284
12: 2,984,038
3,012,351
15: 2,984,039
2,986,833
2,986,834
2,995,852
3,001,314
3,007,275
16: 2,996,824
3,010,238
17: 2,970,400
2,973,599
2,977,704
2,978,828
2,986,835
2,988,840
2,995,853
2,995,854
2,999,328
3,010,239
3,012,352
3,012,353
3,012,354
17.1: 2,977,705
17.2: 2,968,112
2,979,847
3,010,240
3,010,241
3,012,355
17.6: 2,976,639
3,001,315
18: 3,003,275
19: 2,977,706
3,000,129
3,001,316
19.2: 2,972,204
2,976,640
2,992,504
3,001,317
21.2: 2,992,505
2,995,855
3,010,242
22: 2,967,370
3,006,098
23: 3,014,306
24: 2,992,506
2,996,825
3,006,099
25.2: 2,986,836
26.2: 2,984,927
2,987,844
2,999,329
3,007,276
35: 2,971,285
2,972,830
2,976,641
2,982,046
2,994.982
3,006,100
36: 2,982,047
3,006,101
37: 2,979,848
3,002,310
3,013,357
41: 2,994,983
42: 3,006,102
42.02: 2,979,849
42.04: 3,002,311
42.06: 2,968,113
2,968.886
2,982,048
2,995,856
2,997,804
3,006,103
42.09: 2,983,065
2,984,928
2,992,507
3,009,279
3.010,243
42.1: 2,981,027
42.11: 3,012,356
42.12: 2,977,707
42.13: 3,001,318
42.15: 2,986,837
3,003,276
3,006,104
42.16: 2,977,708
42.17: 3,000,130
3,012,357
42.2: 2,999,330
42.22: 2,978,829
42.24: 2,979,850
42.28: 2,994,151
3,012,358
42.32: 2,996,826
42.34: 2,995,857
42.36: 2,986,838
42.39: 2,989,817
42.4: 2,989,816
42.41: 2,991,580
42.46: 2,999,331
42.48: 2,981,028
42.49: 2,987,845
42.72: 3,011,284
42.74: 2,967,371
2,996,827
3,001,319
43.1: 3,010,244
43.11: 2,984,040
43.12: 3,008,259
43.13: 2,967,372
2,976,642
2,977,709
2,979,851
3,003,277
42.14: 2,986,839
3,012,359
43.15: 2,975,541
43.16: 2,979,852
2,984,041
2,990,641
43.4: 2,996,828
2,998,669
44.2: 2,977,710
44.4: 2,972,831
2,972,832
2,974,436
2,982,049
44.6: 2,983,066
2,984,929
3,000,131
44.8: 2,995,858
44.83: 2,995,859
44.84: 2,984,930
44.87: 3,011,285
44.88: 2,983,067
44.89: 2,983,068
44.91: 2,984,931
2,992,508
44.95: 2,981,029
44.97: 2,985,981
44.99: 2,968,114
2,979,853
3,006,105
53.5: 2,967,373
2,972,205
2,995,860
2,997,805
2,998,670
3,001,320
3,008,260
3,009,280
3,011,286
3,012,360
54.5: 3,005,281
55: 2,974,437
2,990,642
3,006,106
56: 2,966,758
2,968,887
3,000,132
3,002,312
3,009,281
57: 2,970,401
2,998,671
3,000,133
57.5: 2,978,830
2,987,846
2,991,581
2,993,293
3,012,361
62: 3,008,261
66: 2,995,861
76: 2,975,542
80: 3,013,358
81: 2,972,206
88: 2,996,829
90: 2,979,854
3,010,245
99: 2,995,862
3,007,277
100: 2,979,855
103: 3,003,278
121: 2,997,806
124: Re.25,080
2,981,025
131: 2,977,711
3,008,262
132: 2,979,856
139: 3,001,321
148: 2,975,543
2,976,643
2,993,294
3,009,282

Class 44

1: 2,973,254
3: 2,970,045
4: 3,004,836
16: 2,979,388
19: 2,980,516
23: 3,001,856
24: 2,976,133
40: 2,981,613
3,010,809
51: 3,002,825
3,002,826
52: 3,009,789
53: 2,988,434
2,995,427
56: 2,974,022
2,975,042
2,981,614
3,007,781
3,007,782
57: 2,982,627
2,985,521
3,001,857
3,002,827
58: 2,991,162
3,003,857
3,004,837
3,009,790
3,011,879
62: 2,974,023
2,974,024
2,974,025
2,978,302
2,980,517
2,982,628
2,984,550
2,996,364
3,003,858
3,008,813
3,010,810
3,013,868
63: 2,969,278
2,970,897
2,978,303
2,984,551
2,987,384
2,993,765
2,994,595
2,994,596
3,000,709
3,008,814
3,009,791
3,011,880

Class 44—Con.

3,011,881
3,014,792
64: 2,971,827
2,971,828
2,972,526
2,996,365
66: 2,980,518
2,987,385
2,991,163
2,992,081
2,992,082
2,996,366
3,006,741
3,013,869
3,014,793
68: 3,003,859
3,010,811
69: 2,980,519
2,980,520
2,984,552
2,989,386
2,996,367
2,999,739
2,999,740
3,001,858
3,004,838
3,006,742
3,007,783
3,009,792
3,009,793
70: 2,985,522
2,993,766
71: 2,982,629
2,982,630
2,982,631
2,982,632
2,982,633
2,982,634
2,990,262
2,995,428
72: 2,975,043
2,989,387
2,992,083
2,992,905
3,000,710
3,007,784
73: 2,985,523
75: 3,007,785
76: 3,014,794
78: 2,984,553
2,984,554
3,010,812

Class 45

24: 2,966,759
28: 2,968,888
2,973,600
2,973,601
2,988,841
2,988,842
36: 2,995,863
57: 2,975,544
2,984,932
59: 2,996,830
68.1: 2,973,602
2,991,582
68.4: 2,983,069
2,999,332
80: 2,973,603
2,977,712
3,013,359
82: 2,984,933
85: 2,971,286
2,978,831
3,007,278
121: 2,993,295
129: 2,969,607
2,975,545
2,981,030
3,004,363
3,006,107
130: 3,012,362
131: RE24,927
2,967,374
2,968,115
2,971,287
2,972,207
2,982,050
2,988,843
2,998,672
3,012,363
137: 2,968,116
2,975,546
2,992,509
2,994,152
138: 2,984,934
2,991,583
3,006,108
139: 2,966,760
2,979,857

Class 46

1: 2,968,117
2,977,713
2,983,070
2,994,153
3,010,246
3,014,307
3: 2,990,643
3,002,313
6: 3,002,314
7: 2,987,847
2,989,818
3,008,263
8: 2,974,438
9: 3,003,279
11: 2,975,547
13: 2,984,042
14: 2,996,831
2,997,807
16: 2,994,154
2,996,832
19: 2,968,118
3,002,315
22: 2,996,833
25: 2,972,833
2,984,935
3,004,364
3,005,282
26: 3,000,134
3,009,283
28: 3,007,279
29: 2,983,071
30: 2,988,844
32: 3,009,284
37: 2,988,845
39: 2,984,043
3,011,287
40: 2,973,604
2,981,031
2,985,982
2,985,983
41: 3,010,247
42: 2,975,548
43: 2,998,673
3,012,364
44: 2,967,375
47: 2,993,296
2,999,333
3,008,264
48: 3,010,248
49: 3,008,265
50: 2,991,584
51: 3,009,285
52: 2,979,858
2,991,585
3,010,249
59: 3,007,280
60: 2,968,889
62: 2,988,846
2,992,510
63: 2,970,402
2,991,586
3,000,135
3,004,365
67: 2,971,288
68: 2,997,808
74: 2,993,297
2,995,864
3,006,109
75: 2,987,848
77: 2,968,119
2,969,608
2,975,549
2,985,984
79: 3,010,250
81: 2,976,644
83: 2,993,298
2,994,155
85: 2,969,609
86: 2,997,809
3,014,308
88: 2,996,834
91: 2,968,120
3,009,286
94: 2,987,849
2,996,835
3,010,251
95: 2,991,587
98: 2,983,072
3,010,252
104: 2,971,289
2,996,836
107: 2,978,832
2,984,044
108: 2,988,847
111: 2,992,511
113: 3,012,365
114: 2,974,439
115: 3,002,316
116: 2,995,865
118: 2,968,121
2,972,834
2,974,440
2,975,550
118: 3,012,366
119: 3,008,266
124: 2,994,156
3,008,267
127: 2,981,032
135: 2,969,610
2,978,833
2,979,859
3,005,283
3,014,309
145: 2,968,122
3,012,367
149: 2,978,834
2,978,835
2,996,837
2,996,838
158: 2,997,810
161: 3,010,253
162: 2,972,835
163: 2,994,157
165: 2,991,588
166: 2,984,936
3,006,110
167: 2,989,819
169: 2,994,158
2,997,811
3,000,136
171: 3,002,317
174: 2,991,589
175: 2,987,850
2,989,820
3,003,280
3,005,284
177: 3,002,318
178: 3,003,281
179: 2,968,890
2,996,839
180: 2,969,611
2,988,848
3,001,322
187: 3,001,323
201: 3,005,285
202: 3,000,137
204: 2,983,073
213: 2,983,074
216: 2,992,598
3,011,288
217: 2,999,334
218: 2,987,851
2,994,159
3,010,254
220: 2,966,761
2,970,403
2,976,645
2,979,860
2,984,937
2,985,985
2,999,335
3,001,324
3,001,325
221: 3,005,286
222: 3,009,287
223: 3,009,288
226: 2,990,644
3,012,368
232: 2,968,123
2,978,836
3,006,111
3,007,281
238: 3,012,369
239: 2,975,551
2,979,861
241: 2,966,762
2,987,852
2,994,981
3,014,310
242: 2,992,512
243: 2,977,714
2,990,645
2,996,840
3,008,268
3,010,255
3,013,360
244: 2,974,441
2,993,299
2,995,866
3,000,138
3,014,311
245: 2,975,552
2,990,646
247: 3,014,312

Class 47

1: 2,967,376
2,969,612
2,975,553
2,979,862
2,983,075
2,986,840
2,986,841
2,989,821
2,995,867
2,995,868
2,996,841
1: 2,998,674
3,000,139
3,009,289
3,012,370
1.1: 2,994,160
1.2: 2,971,290
2,983,076
2,993,300
1.5: 2,988,849
3,009,290
1.7: 2,977,715
3,012,371
2: 2,966,763
2,972,208
3,003,282
3,008,269
6: 2,988,850
11: 3,003,283
25: 2,978,837
3,005,287
26: 2,974,442
30: 2,996,842
37: 2,968,124
3,009,291
41: 2,974,443
2,981,033
2,982,051
2,984,045
2,994,985
3,001,326
3,003,284
3,007,282
42: 2,984,938
3,010,256
47: 2,990,647
3,004,366
56: 2,976,646
57.5: 2,967,377
2,970,404
2,974,445
3,002,319
58: 2,971,291
2,971,292
2,971,293
2,974,444
2,976,647
2,977,716
2,978,838
2,979,863
2,984,939
2,984,940
2,986,842
2,999,336
3,001,327
3,005,288
3,012,372
59: P.P.2,038
P.P.2,050
P.P.2,052
P.P.2,069
P.P.2,086
P.P.2,087
P.P.2,092
P.P.2,107
P.P.2,116
60: P.P.2,011
P.P.2,015
P.P.2,016
P.P.2,019
P.P.2,021
P.P.2,023
P.P.2,025
P.P.2,026
P.P.2,027
P.P.2,028
P.P.2,029
P.P.2,030
P.P.2,033
P.P.2,034
P.P.2,041
P.P.2,057
P.P.2,062
P.P.2,063
P.P.2,064
P.P.2,065
P.P.2,067
P.P.2,068
P.P.2,070
P.P.2,073
P.P.2,075
P.P.2,076
P.P.2,077
P.P.2,083
P.P.2,094
P.P.2,112
61: P.P.2,009
P.P.2,017
P.P.2,018
P.P.2,020
P.P.2,022
P.P.2,031
P.P.2,032
P.P.2,036
P.P.2,037
P.P.2,039
61: P.P.2,040
P.P.2,042
P.P.2,045
P.P.2,046
P.P.2,047
P.P.2,053
P.P.2,055
P.P.2,056
P.P.2,058
P.P.2,059
P.P.2,060
P.P.2,061
P.P.2,066
P.P.2,072
P.P.2,078
P.P.2,079
P.P.2,080
P.P.2,081
P.P.2,082
P.P.2,084
P.P.2,088
P.P.2,089
P.P.2,090
P.P.2,091
P.P.2,093
P.P.2,095
P.P.2,096
P.P.2,097
P.P.2,098
P.P.2,100
P.P.2,103
P.P.2,104
P.P.2,105
P.P.2,106
P.P.2,109
P.P.2,110
P.P.2,111
P.P.2,113
P.P.2,114
P.P.2,115
62: P.P.2,010
P.P.2,012
P.P.2,013
P.P.2,014
P.P.2,024
P.P.2,035
P.P.2,043
P.P.2,044
P.P.2,048
P.P.2,049
P.P.2,051
P.P.2,054
P.P.2,071
P.P.2,085
P.P.2,099
P.P.2,101
P.P.2,102
P.P.2,108

Class 48

63: 3,000,711
93: 2,975,044
174: 3,002,828
180: 2,977,205
2,985,524
2,992,084
184: 2,983,592
3,009,794
195: 2,979,389
196: 2,971,829
2,980,521
2,980,522
2,982,635
2,985,525
2,987,386
2,992,906
2,999,741
197: 2,987,387
2,991,164
3,004,839
3,008,815
202: 2,979,390
206: 2,971,830
3,009,795
212: 2,992,907
215: 2,976,134
2,976,135
2,980,523
3,010,813

Class 49

1: 2,968,125
2,968,891
2,984,046
2,992,513
2,999,337
3,009,292
2: 2,977,717
3: 2,968,892
2,968,893
2,993,301
5: 2,984,047
2,994,161
5: 3,000,140
3,014,313
7: 2,967,378
2,969,613
2,984,048
2,985,986
2,990,648
3,001,328
3,003,285
3,009,293
9: 2,974,446
2,994,986
14: 2,972,209
2,977,718
17: 2,972,210
2,972,836
2,974,447
2,986,843
2,986,844
2,991,590
17.1: 2,972,837
2,979,864
28: 2,978,839
40: 2,988,851
41: 3,005,289
3,006,112
45: 2,968,126
47: 2,968,894
2,982,052
3,000,141
50: 2,986,845
53: 3,013,361
54: 2,992,514
3,004,367
3,012,373
55: 2,969,614
2,990,649
2,993,302
57: 2,986,846
58: 2,968,127
2,984,941
2,984,942
3,008,270
62: 2,983,077
67: 2,977,719
2,977,720
2,993,303
2,999,338
3,003,286
3,005,290
68: 3,008,271
72: 2,975,554
2,987,853
2,992,515
76: 3,003,287
77: 2,971,294
2,975,555
2,979,865
2,993,304
2,998,675
2,999,339
3,012,374
3,013,362
77.5: 2,977,721
78: 2,975,556
2,983,078
2,988,852
79: 2,970,405
2,972,211
2,982,053
2,986,847
2,992,516
2,992,517
3,004,368
80: 2,972,212
2,987,854
2,993,305
81: 2,988,853
2,995,869
82: 2,968,895
2,977,722
82.1: 2,992,518
83: 3,001,329
83.1: 3,000,142
84: 2,984,943
3,000,143
85: 3,002,320
89: 2,991,591
3,002,321
3,008,272

Class 50

4: 2,983,079
16: 2,969,027
17: 3,012,375
22: 2,975,557
2,975,558
43: 2,996,843
45: 2,974,448
2,984,049
47: 2,995,870
49: 2,967,379
2,999,340
50: 2,974,449
51: 2,981,034
2,996,844
52: 3,005,291
53: 2,982,054
55: 2,984,944
2,988,854
56: 2,982,055
60: 3,008,273
61: 2,985,987
64: 3,006,113
66: 3,012,376
67: 2,968,128
70: 2,975,559
71: 3,005,292
80: 2,975,560
100: 2,977,723
2,978,840
103: 2,978,841
3,003,288
3,003,289
109: 3,007,283
116: 2,968,263
118: 2,994,987
119: 2,968,130
120: 2,989,822
128: 2,970,406
2,995,871
3,007,284
130: 3,006,114
131: 3,010,257
132: 3,002,322
133: 2,971,295
153: 2,984,050
155: 2,969,615
165: 2,969,616
166: 3,001,330
171: 2,993,306
182: 2,975,561
184: 3,012,377
192: 3,001,331
198: 2,984,945
209: 2,966,764
211: 2,976,648
212: 2,990,650
224: 2,993,307
226: 2,991,592
230: 3,001,332
240: 2,990,651
243: 3,011,289
263: 2,969,617
267: 2,969,618
2,996,845
3,012,378
268: 3,000,144
3,001,333
290: 2,987,855
309: 2,972,838
322: 3,006,115
338: 2,983,080
346: 2,983,081
2,986,848
347: 3,004,369
388: 3,010,258
396: 2,984,946
399: 3,005,293
405: 2,979,866
407: 3,003,290
429: 2,987,856
437: 2,969,619
440: 2,993,308
454: 2,994,162
466: 3,000,145
471: 3,000,146
478: 2,988,855
481: 2,995,872
486: 2,972,213
2,997,812
507: 2,984,947
520: 3,004,370
534: 2,990,652

Class 51

3: 3,001,334
6: 2,986,849
2,991,593
7: 2,997,813
2,997,814
8: 2,990,653
2,995,873
9: 2,983,082
13: 2,984,948
2,996,846
3,007,285
3,008,274
14: 2,993,309
26: 2,996,847
29: 2,978,842
2,988,856
32: 2,994,988
33: 2,975,562
2,978,843
2,989,823
3,012,379

51: 2,981,034
2,996,844
52: 3,005,291
53: 2,982,054
55: 2,984,944
2,988,854
56: 2,982,055
60: 3,008,273
61: 2,985,987
64: 3,006,113
66: 3,012,376
67: 2,968,128
70: 2,975,559
71: 3,005,292
80: 2,975,560
100: 2,977,723
2,978,840
103: 2,978,841
3,003,288
3,003,289
109: 3,007,283
116: 2,968,263
118: 2,994,987
119: 2,968,130
120: 2,989,822
128: 2,970,406
2,995,871
3,007,284
130: 3,006,114
131: 3,010,257
132: 3,002,322
133: 2,971,295
53: 2,984,050
55: 2,969,615
65: 2,969,616
66: 3,001,330
71: 2,993,306
82: 2,975,561
84: 3,012,377
92: 3,001,331
98: 2,984,945
209: 2,966,764
211: 2,976,648
212: 2,990,650
224: 2,993,307
226: 2,991,592
230: 3,001,332
240: 2,990,651
243: 3,011,289
263: 2,969,617
267: 2,969,618
2,996,845
3,012,378
268: 3,000,144
3,001,333
290: 2,987,855
309: 2,972,838
322: 3,006,115
338: 2,983,080
346: 2,983,081
2,986,848
347: 3,004,369
388: 3,010,258
396: 2,984,946
399: 3,005,293
405: 2,979,866
407: 3,003,290
429: 2,987,856
437: 2,969,619
440: 2,993,308
454: 2,994,162
466: 3,000,145
471: 3,000,146
478: 2,988,855
481: 2,995,872
486: 2,972,213
2,997,812
507: 2,984,947
520: 3,004,370
534: 2,990,652

Class 51

3: 3,001,334
6: 2,986,849
2,991,593
7: 2,997,813
2,997,814
8: 2,990,653
2,995,873
9: 2,983,082
13: 2,984,948
2,996,846
3,007,285
3,008,274
14: 2,993,309
26: 2,996,847
29: 2,978,842
2,988,856
32: 2,994,988
33: 2,975,562
2,978,843
2,989,823
3,012,379
34: 2,968,132
2,978,844
3,003,291
3,010,259
3,013,363
40: 2,986,850
45: 2,966,765
2,982,056
2,998,676
46: 3,007,286
48: 2,990,654
2,998,677
50: 2,985,988
2,995,874
2,995,875
3,003,292
52: 2,998,678
55: 2,970,407
2,971,296
2,976,649
2,985,989
2,988,857
2,988,858
3,006,116
3,012,380
59: Re.25,033
2,991,594
71: 2,970,408
72: 2,969,620
73: 2,982,057
2,986,851
2,994,163
76: 3,013,364
78: 3,010,260
88: 2,994,989
92: 2,986,852
2,994,990
2,997,815
95: 2,969,621
2,984,949
2,996,848
96: 2,991,991
2,996,819
97: 2,994,992
99: 2,990,655
100: 3,000,147
3,009,294
101: 2,969,622
2,970,409
2,984,950
2,995,876
3,001,335
3,014,314
102: 3,002,323
3,007,287
103: 2,969,623
2,976,650
2,990,656
3,001,336
3,009,295
3,011,290
105: 2,968,896
2,990,657
2,990,658
3,006,117
108: 2,971,297
2,989,824
109: 2,998,679
110: 2,970,410
3,007,288
111: 2,975,563
2,976,651
2,994,161
3,000,148
3,001,337
112: 2,997,816
118: 2,973,605
2,990,659
119: 2,983,083
2,984,051
123: 2,968,133
124: 2,968,134
2,972,839
2,975,564
2,975,565
2,977,724
2,982,058
125: 2,979,867
2,997,817
127: 3,011,291
129: 2,968,135
2,992,519
3,004,371
3,008,275
131: 2,971,298
2,979,868
2,984,951
2,994,993
2,998,680
3,004,372
133: 2,967,380
134: 3,009,296
134.5: 2,968,136
2,986,853
2,991,994
2,991,995
137: 2,969,624
138: 3,008,276
139: 3,012,381
141: 2,977,725
3,000,149
157: 2,967,381
163: 2,973,606
164: 2,983,084
2,994,165
3,001,338
3,013,365
3,014,315
165: 2,969,625
2,970,411
2,970,412
2,975,566
2,979,869
2,984,952
2,984,953
2,986,854
2,986,855
2,997,818
3,000,150
3,003,293
166: 2,981,035
2,992,520
170: 2,976,652
2,991,595
3,009,297
173: 2,971,299
2,981,036
176: 2,990,660
178: 2,983,085
184.1: 2,966,766
2,988,859
2,998,681
184.2: 3,005,294
184.3: 2,989,825
2,993,310
2,998,682
185: 2,969,626
2,996,850
187: 2,982,059
2,995,877
3,014,316
188: 2,984,052
3,005,295
190: Re.25,076
193: 3,008,277
193.5: Re.25,025
Re.25,026
2,978,845
2,984,053
3,004,373
194: 2,984,954
3,014,317
195: 2,993,311
2,996,851
2,997,819
3,007,289
3,013,366
3,014,318
3,014,319
197: 2,990,661
2,991,596
2,996,852
204: 2,991,597
206: 2,977,726
2,978,846
2,978,847
2,982,060
2,988,860
209: 2,989,826
2,997,820
210: 2,993,312
215: 2,979,870
216: 2,998,683
217: 2,988,861
218: 2,997,821
219: 2,974,450
222: 3,001,339
233: 2,967,323
237: 2,981,037
2,983,086
2,984,955
2,990,662
3,006,118
239: 2,974,451
240: 2,970,413
2,988,862
3,003,294
241: 2,977,727
2,984,054
2,997,822
3,012,382
245: 2,967,382
246: 2,997,823
2,997,824
2,997,825
247: 2,978,848
2,978,849
248: 2,972,840
3,010,261
249: 2,997,826
250: 3,011,262
255: 3,007,290
259: 3,003,295
3,012,383
263: 2,968,897
2,977,728
2,991,598
267: 2,991,599
270: 3,005,296
277: 2,982,061
2,999,341
281: 2,975,567
2,982,062
282: 2,978,850
283: 2,990,663
2,992,521
3,012,384
284: 2,966,767
2,990,664
2,994,166
287: 2,984,956
2,986,856
288: 2,981,038
291: 2,972,841
3,005,297
293: 2,980,524
2,991,165
2,999,742
295: 3,013,870
296: 2,986,455
297: 2,981,615
3,014,795
298: 2,972,527
2,983,503
2,996,368
3,011,882
307: 2,967,096
3,003,860
308: 2,977,206
309: 2,984,555
2,996,369
326: 2,997,827

Class 52

.5: 2,967,097
2,968,539
2,968,540
2,970,046
2,970,898
2,973,255
2,973,256
2,974,026
2,974,027
2,977,207
2,977,208
2,978,304
2,978,305
2,978,306
2,978,307
2,978,308
2,981,616
2,981,617
2,982,636
2,982,637
2,982,638
2,984,556
2,985,526
2,986,456
2,987,388
2,988,435
2,989,388
2,990,263
2,991,166
2,991,167
2,992,908
2,992,909
2,993,767
2,993,768
2,993,769
2,993,770
2,993,771
2,993,772
2,993,773
2,994,597
2,994,598
2,995,429
2,995,430
2,995,431
2,995,432
2,996,370
2,997,375
2,997,376
3,000,712
3,000,713
3,000,714
3,000,715
3,000,716
.5: 3,000,717
3,002,829
3,002,830
3,003,861
3,004,840
3,004,841
3,005,692
3,005,693
3,006,743
3,006,744
3,006,745
3,006,746
3,006,747
3,009,796
3,009,797
3,009,798
3,009,799
3,009,800
3,010,814
3,010,815
3,012,866
3,012,867
1: 2,970,899
2,975,045
2: 2,970,047
2,974,029
2,976,136
2,984,557
2,989,389
2,990,264
3,006,748
4: 2,970,900
5: 2,967,098
2,967,099
2,968,541
2,982,639
2,991,168
2,992,910
2,999,743
2,999,744
3,000,718
3,000,719
3,000,720
6: 2,973,257
2,981,618
2,982,640
2,982,641
2,992,086
3,011,883
7: 3,012,868
11: 2,988,436
2,999,014
3,003,862
13: 2,992,087
2,992,911
14: 2,975,046
2,976,137
2,987,389
2,992,912
2,997,377
2,997,378
3,004,842
15: 2,982,642
2,988,437
18: 2,989,390
19: 3,009,801
20: 2,982,643
2,992,088
3,000,721
23: 3,009,802
24: 2,968,542
2,984,558
2,988,438
3,009,803

Class 53

3: 2,976,653
2,979,871
2,982,063
3,000,151
3,007,291
3,013,367
9: 2,984,055
13: Re.24,993
14: 2,967,383
2,968,137
2,983,087
2,987,857
2,993,313
3,000,152
3,011,293
3,013,368
21: 3,007,292
3,012,385
22: 2,984,056
2,989,827
2,991,600
3,009,298
24: 2,971,300
2,973,607
2,974,452
2,991,601
21: 3,006,119
25: 2,971,301
2,998,684
26: 2,968,898
2,971,302
2,979,872
2,983,596
3,009,301
3,003,296
27: Re.25,040
2,987,858
28: 2,969,627
2,969,628
2,971,303
3,001,340
29: 2,970,414
2,974,453
2,977,729
2,981,039
3,007,293
30: 3,010,262
32: 2,974,454
2,998,685
33: 2,978,851
3,000,153
34: 2,994,167
35: 2,968,899
2,990,665
36: 2,970,415
37: 2,971,304
2,972,214
2,976,654
2,984,057
3,010,263
38: 2,973,608
39: 2,991,602
3,012,386
42: 2,974,455
2,976,655
2,984,058
2,996,853
3,014,320
48: 2,986,857
51: 2,977,730
2,985,990
52: 2,996,854
53: 2,975,568
2,996,855
54: 3,009,299
55: 2,972,842
2,991,603
58: 2,993,314
2,996,856
2,996,857
59: 2,971,305
2,983,088
2,993,315
2,997,828
61: Re.25,013
2,994,168
62: 2,975,569
2,981,040
2,993,316
2,997,829
2,997,830
66: 2,999,342
67: 2,986,858
70: 2,976,656
72: 2,983,089
73: 2,995,878
74: 2,972,843
2,977,731
3,000,154
75: 2,976,657
76: 2,967,384
2,982,064
2,996,858
3,001,341
3,012,387
78: 2,967,385
86: 2,997,831
88: 2,974,456
95: 3,006,120
3,009,300
3,010,264
101: 2,998,686
112: 2,968,900
2,973,609
2,976,658
2,994,169
3,001,342
3,001,343
3,010,265
3,011,294
113: 2,983,090
123: 2,967,386
2,984,059
124: 2,969,629
2,974,457
2,977,732
2,984,957
2,995,879
2,996,859
124: 3,001,344
3,001,345
3,002,325
3,011,295
3,011,296
131: 2,981,041
2,996,860
3,009,301
133: 2,983,091
2,983,092
2,984,958
134: 2,994,996
135: 3,001,346
137: 2,971,306
2,978,852
3,000,155
138: 2,969,630
2,975,570
142: 2,995,880
148: 2,966,768
3,004,374
151: 3,001,347
153: 3,000,156
154: 2,977,733
157: 2,981,042
159: 2,982,065
2,994,170
164: 3,013,369
166: 2,999,343
167: 3,007,294
168: 2,995,881
177: 2,987,859
178: 2,978,853
180: 2,982,066
2,982,067
2,996,861
3,006,121
3,007,295
182: 2,991,997
3,001,348
3,006,122
3,008,278
184: 3,000,157
185: 3,002,326
186: 2,982,068
2,999,344
188: 2,973,610
191: 2,993,317
192: 2,969,631
195: 2,972,215
3,014,321
196: 2,968,138
2,994,998
197: 2,994,999
3,001,349
3,002,327
198: 2,970,416
2,971,307
2,972,844
2,975,571
2,977,734
2,977,735
2,982,069
2,985,991
3,000,158
3,000,159
3,003,297
3,014,322
206: 2,974,458
2,975,572
2,981,043
2,982,070
2,987,860
212: 3,000,160
215: 3,008,279
221: 3,009,302
223: 2,968,139
224: 3,005,298
225: 2,971,308
2,987,861
226: 2,970,417
2,982,071
228: 2,996,862
230: 2,968,901
2,999,345
233: 2,991,604
234: 2,987,862
235: 3,013,370
236: 2,972,845
2,996,863
2,998,687
237: 2,976,659
240: 2,971,309
241: 2,975,573
243: 2,982,072
244: 3,000,161
245: 2,994,171
3,001,350
246: 2,978,854
3,007,296
3,014,323
247: 2,993,318
248: 3,000,162
3,005,299
251: 2,970,418
2,979,873
3,009,303
252: 2,991,605
254: 2,966,769
2,977,736
2,996,864
255: 2,996,770
256: 2,971,310
2,995,000
261: 3,011,297
266: 2,973,611
2,976,660
2,995,882
281: 2,972,216
283: 2,969,632
287: 2,975,574
292: 2,976,661
2,986,859
306: 2,997,832
308: 2,991,606
310: 2,981,044
315: 2,996,865
3,012,388
316: 2,972,846
317: 2,979,874
2,991,607
319: 3,005,300
320: 2,979,875
329: 2,991,608
2,994,172
3,013,371
330: 2,976,575
341: 2,966,771
342: 2,974,459
366: 2,982,073
370: 3,001,351
371: 2,991,609
373: 2,967,387
2,971,311
2,974,460
2,982,074
3,002,328
3,009,304
374: 2,972,217
2,979,876
2,984,959
2,993,319
3,011,298
375: 3,002,329
376: Re.24,951
2,991,610
2,998,688
3,010,266
379: 2,996,866
3,008,280
3,010,267
381: 2,982,075
2,982,076
2,995,883
382: 2,994,173
2,997,833
384: 2,973,612
2,987,863
387: 3,000,163
388: 2,974,461
2,976,662
2,984,060
389: 2,982,077
3,001,352
390: 2,971,312
2,982,078
2,987,864
2,989,828
391: 2,966,772
2,969,633
2,975,576
393: 3,008,281

Class 54

47: 2,978,855

Class 56

1: Re.24,973
2,974,462
2,977,737
2,989,829
2,989,830
2,991,611
2,992,522
2,992,523
2,997,834
2,999,346
3,006,123
3,006,124
3,007,297
3,014,324
3,014,325

Class 56—Con.

3,014,326
3,014,327
6: 3,012,389
7: 2,974,463
2,996,867
8: 2,977,738
11: 2,972,847
14: 2,975,577
16: 2,972,848
3,000,161
17: 2,974,464
3,002,330
18: 2,974,465
2,974,466
2,979,877
2,995,001
19: 2,974,467
20: 2,993,320
3,006,125
21: 2,999,347
23: 2,975,578
2,999,348
24: 2,974,468
25: 2,978,856
2,984,960
2,989,831
2,989,832
2,997,835
3,005,301
3,006,126
3,010,268
3,011,328
25.4: 2,967,388
2,968,902
2,968,903
2,969,634
2,970,419
2,971,313
2,972,849
2,972,850
2,973,613
2,973,614
2,973,615
2,974,469
2,974,470
2,974,471
2,975,579
2,976,663
2,976,664
2,977,739
2,977,740
2,977,741
2,978,857
2,979,878
2,982,079
2,982,080
2,984,061
2,985,992
2,987,865
2,990,606
2,991,612
2,992,524
2,993,321
2,993,329
2,994,174
2,998,689
3,000,165
3,002,331
3,003,208
3,003,299
3,004,375
3,005,302
3,006,127
3,008,282
3,008,283
3,008,284
3,009,305
3,011,299
3,012,390
3,013,372
3,014,329
3,014,330
26: 2,971,314
2,972,218
2,979,879
2,983,093
3,003,300
27: 2,984,961
2,987,866
2,989,833
2,998,690
28: 2,999,349
29: 2,995,884
30: 2,988,563
33: 3,014,331
41: 2,986,861
3,004,376
3,005,303
3,014,342
42: 2,968,904
2,971,315
44: 2,986,862
50: 2,975,580
98: 2,970,420
99: 2,981,045
102: 2,984,962
119: 2,968,140
2,989,834
3,012,391
130: Re.25,044
192: 2,967,389
194: 2,983,094
3,006,128
202: Re.24,955
2,970,421
2,970,422
2,983,095
203: 3,002,332
208: 2,971,316
211: 2,977,742
248: 2,968,905
249: 2,968,906
255: 2,976,665
2,983,096
256: 2,973,616
3,003,301
292: 3,006,129
294: 2,990,667
295: 2,976,666
2,978,858
3,010,269
3,014,333
296: 2,971,317
297: 2,994,175
298: 2,994,176
3,013,373
305: 2,984,963
327: 2,994,177
328: 2,972,851
2,978,859
2,993,322
2,996,868
3,006,130
3,013,374
330: 2,993,323
3,006,131
332: 2,968,141
2,968,907
333: 2,990,668
334: 2,990,669
341: 2,970,423
2,975,581
2,981,046
3,004,377
341: 2,994,178
345: 3,000,166
364: 2,986,863
365: 2,992,885
370: Re.24,957
2,993,324
3,003,302
3,006,132
372: 2,979,880
2,992,525
376: 3,011,300
377: 2,966,773
2,968,142
2,972,852
2,975,582
2,975,583
2,977,743
2,982,081
2,985,903
2,988,864
2,988,865
2,991,613
2,993,325
2,993,326
2,993,327
2,993,328
2,994,179
2,994,180
2,996,860
2,998,601
3,004,378
3,006,133
3,006,134
3,006,135
3,009,306
3,013,375
3,014,334
400: 2,977,744
2,987,867
2,989,835
2,994,181
3,014,335
400 02: 3,004,379
400 08: 3,012,392
400.09: 2,993,330
400.15: 2,989,836
400 17: 2,999,350
473.5: 2,971,318
503: 2,986,864
504: 2,974,472
2,987,868

Class 57

1: 2,969,635
2,993,331
2,994,182
2.3: 2,995,886
3: 2,993,332
2,998,692
3,000,167
3,006,136
3.5: 3,009,307
10: 2,966,774
11: 2,967,390
12: 3,001,353
3,005,304
22: 2,971,319
31: 3,001,354
32: 3,012,393
34: 2,976,667
2,977,745
2,977,746
2,982,082
2,987,869
2,990,670
2,990,671
2,990,672
2,991,614
2,998,693
3,000,168
3,001,355
3,007,298
3,010,270
3,010,271
36: 2,990,673
3,007,299
51.6: 2,972,853
52: 2,995,002
2,997,836
3,010,272
54: 2,979,881
55.5: 2,979,882
2,988,866
3,009,308
3,014,336
56: 2,976,668
2,977,181
58.3: Re.24,945
2,986,865
58.34: 3,000,169
58.52: 2,985,994
2,998,694
58.55: 2,989,837
58.84: 3,001,356
58.86: 3,000,170
60: 2,981,047
3,014,337
62: 2,981,048
3,001,357
64: 2,976,669
65: 2,972,854
66.5: 2,972,855
2,977,747
2,981,049
2,986,866
2,987,870
71: 2,995,003
75: 2,981,050
77.33: 2,990,674
3,006,137
78: 3,003,303
81: 2,971,320
2,990,675
3,008,285
3,010,273
83: 3,002,333
86: 2,973,617
88: 2,972,219
2,975,584
93: 2,970,424
95: 2,996,870
97: 2,982,083
98: 3,010,274
99: 3,013,376
104: 2,984,962
106: 2,984,964
119: 2,970,425
3,011,301
120: 2,987,871
2,995,004
2,996,871
3,008,286
3,013,377
125: 2,968,908
132: 3,012,394
134: 2,981,051
135: 3,012,395
137: 2,976,670
139: 2,971,321
2,997,837
3,009,309
140: 2,966,775
2,971,322
2,979,883
2,985,995
140: 2,996,872
2,999,351
3,001,358
3,009,310
142: 2,967,391
3,008,287
144: 2,984,063
2,991,615
3,010,275
145: 2,998,696
3,007,300
148: 2,978,860
149: 2,977,748
3,002,334
152: 3,009,311
3,011,302
153: 3,000,171
154: 2,981,052
156: 2,972,220
2,972,856
2,986,867
2,996,873
3,013,378
157: 2,968,909
2,976,671
2,986,868
2,988,867
2,993,333
2,997,838
3,001,359
3,003,304
3,009,312
3,012,396
3,012,397
3,013,379
159: 3,012,398
160: 2,981,053
164: 2,972,221

Class 58

2: 2,970,426
3,002,335
3: 2,969,636
4: 3,011,303
5: 2,979,884
9: 2,974,473
21.12: 2,979,885
2,994,183
2,996,874
3,004,380
3,010,276
21.13: 2,977,749
2,982,084
3,000,172
21.15: 2,996,875
22: 3,014,338
23: 2,971,323
2,978,861
2,978,862
2,988,868
24: 2,972,222
2,994,184
3,004,381
26: 2,995,005
3,002,336
3,011,304
28: 2,971,324
2,972,745
2,977,750
2,981,054
2,990,676
2,995,887
2,997,839
2,997,840
3,005,305
3,011,305
3,014,339
41: 2,990,677
44: 3,002,337
50: 2,974,474
3,003,305
53: 3,008,288
58: 2,976,672
2,986,869
68: 3,004,382
71: 2,982,085
80: 2,995,888
82: 2,981,055
2,988,869
3,006,138
83: 3,010,277
88: 2,985,996
2,990,678
90: 2,968,910
2,968,911
2,989,838
3,006,139
105: 2,998,695
107: 2,977,751
2,997,841
109: 2,976,673
2,985,997
2,992,526
2,994,185
111: 2,982,086
115: 3,013,380
116: 2,973,619
117: 2,970,427
125: 2,968,143
2,985,998
126: 2,976,674
2,977,752
127: 2,988,870
140: 2,973,618
3,012,399
142: 2,975,585
2,983,097
144: 2,984,064
145: 2,978,863

Class 59

5: 2,968,912
6: 2,968,913
7: 2,986,870
3,003,366
3,009,313
8: 2,994,186
25: 3,004,383
78: 3,014,340
78.1: 2,972,857
79: Re.25,014
2,985,999
2,986,871
2,987,872
3,008,289
3,008,290
3,009,314
80: 2,990,679
2,998,697
3,007,301
82: 2,968,871
85: 2,979,886
87: 2,999,352
88: 2,972,223
93: 2,995,889

Class 60

1: 3,014,341
6: 2,968,141
2,984,965
2,966,876
7: 2,984,065
10: 2,989,839
12: 2,966,776
2,995,006
3,010,278
13: 2,968,914
2,979,887
2,982,087
2,983,098
2,984,066
2,988,872
2,989,840
2,991,616
2,994,187
2,994,188
2,995,890
2,998,698
3,003,307
3,003,308
3,005,306
3,007,302
14: 2,967,392
2,988,873
2,990,680
15: 2,984,966
17: 2,981,056
18: 2,986,872
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3,006,140
19: 2,968,915
2,972,224
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21: 2,988,874
23: 2,973,620
2,979,888
2,989,841
3,013,381
3,014,342
24: 2,982,088
2,990,681
3,009,315
3,011,306
25: 2,976,675
26: 2,968,916
2,969,637
26.1: 3,000,173
27: 2,984,067
29: 2,981,057
30: 2,975,586
2,984,967
2,986,000
2,986,873
32: 3,005,307
35.3: 2,987,873
35.4: 2,968,145
2,968,917
2,969,638
2,969,639
2,970,428
2,974,475
2,978,864
2,983,099
2,986,874
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2,986,876
2,993,334
2,993,335
2,994,189
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3,001,361
3,003,310
3,004,384
3,006,141
3,006,142
3,009,316
3,010,279
3,013,382
3,013,383
35.5: 2,971,325
2,998,700
3,013,384
35.54: 2,968,921
2,970,432
2,975,593
2,976,681
2,979,893
2,994,193
2,995,894
2,996,881
2,997,844
2,997,845
2,999,355
3,002,342
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3,007,305
3,013,386
35.55: 2,968,149
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2,972,860
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35.56: 2,984,974
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35.6: 2,967,393
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2,968,148
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35.6: 2,979,889
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39.05: 2,981,058
39.07: 2,981,059
39.08: 2,981,060
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39.09: 2,982,090
2,982,091
39.11: 2,982,092
2,982,093
39.12: 2,982,094
39.14: 2,984,068
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39.15: 2,987,879
39.16: 2,987,880
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39.17: 2,988,877
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39.18: 2,988,879
39.27: 2,989,842
39.28: 2,989,843
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3,000,179
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39.29: 3,001,363
3,001,364
39.3: 3,002,338
39.31: 3,002,339
3,002,340
3,002,341
39.32: 3,003,311
3,004,385
39.33: 3,004,386
39.34: 3,005,308
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3,005,310
3,007,303
39.35: 3,007,304
3,008,291
3,009,317
3,009,318
3,009,319
39.36: 3,010,280
39.37: 3,011,307
3,011,308
39.38: 3,011,309
39.45: 3,012,400
39.46: 3,013,385
38: 3,007,306
39.01: 2,969,642
3,002,345

35. 6: 2,979,889
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3,004,386
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3,005,309
3,005,310
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3,007,304
3,008,291
3,009,317
3,009,318
3,009,319
3,010,280
3,011,307
3,011,308
3,011,309
3,012,400
3,013,385
38: 3,007,306
01: 2,969,642
3,002,345

39. 02: 2,972,861
2,975,504
2,987,884
39. 05: 2,972,228
39. 07: 3,002,346
39. 08: 2,984,975
3,000,180
39. 09: 2,981,062
3,001,365
39. 11: 2,969,643
2,986,878
39. 12: 3,002,347
39. 14: 2,968,923
2,971,332
2,971,333
3,976,682
2,982,095
2,984,976
2,986,005
2,986,879
2,986,880
2,986,881
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2,994,194
2,999,356
3,003,313
3,004,387
3,009,320
39. 15: 2,986,882
39. 16: Re.25,103
2,969,644
2,971,334
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2,992,529
39. 17: 2,970,433
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39. 18: 2,970,434
39. 27: 2,996,882
39. 28: 2,968,151
2,970,435
2,970,436
2,971,335
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2,971,338
2,971,339
2,972,229
2,974,483
2,976,683
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2,979,894
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2,983,100
2,984,069
2,984,977
2,988,881
2,988,882
2,988,883
2,988,885
2,989,849
2,989,850
2,991,618
2,992,530
2,996,883
2,997,846
3,000,181
3,002,348
3,002,349
3,002,350
3,003,314
3,006,143
3,006,144
3,007,307
3,011,310
3,012,401
39. 29: 3,006,145
3,014,343
39. 3: 2,974,482
39. 31: 2,972,230
2,977,758
39. 32: 3,004,388
3,007,308
39. 33: 2,978,869
39. 34: 2,972,862
2,981,064
2,999,357
3,008,293
39. 35: 2,994,195
3,005,311
3,007,309
3,013,387
39. 36: 3,011,311
39. 37: 2,968,924
3,010,281
39. 38: 2,997,847
39. 45: 3,003,315
39. 46: 2,968,152
2,982,097
2,984,978
2,999,358
3,013,388

39. 47: 2,974,484
2,975,595
2,979,896
39. 48: 2,979,897
3,011,312
3,013,389
39. 5: 2,968,922
39. 51: 2,973,622
2,973,623
2,975,596
2,987,885
39. 52: 2,990,685
39. 55: 2,995,895
39. 61: 2,997,848
39. 63: 2,977,759
39. 65: 2,973,624
2,974,485
2,977,760
2,988,886
2,990,686
2,993,337
2,994,196
2,996,884
2,999,359
3,000,182
3,000,183
39. 66: 2,970,437
2,974,486
2,979,898
3,003,316
3,011,313
39. 69: 2,986,883
3,007,310
3,012,402
39. 71: 2,974,487
2,982,098
2,988,887
39. 72: 2,974,488
2,979,899
2,979,900
2,981,065
2,995,896
3,002,351
3,002,352
39. 74: 2,967,394
2,968,925
2,970,438
2,974,489
2,978,870
2,981,066
2,982,099
2,992,531
2,993,338
3,000,184
3,002,353
39. 75: 2,976,684
3,007,311
39. 76: 3,008,292
39 77: 2,979,901
39. 82: 2,970,439
2,971,340
2,972,231
2,984,979
3,001,366
3,007,312
3,009,321
40: 3,006,146
49: 3,006,147
51: 2,970,440
2,972,863
2,977,761
2,977,762
2,977,763
2,977,764
2,982,100
2,984,980
2,984,981
2,992,532
2,999,360
3,012,403
52: 2,969,645
2,971,341
2,972,864
2,973,625
2,974,490
2,974,491
2,977,765
2,979,902
2,981,067
2,982,101
2,984,982
2,986,006
2,987,886
2,988,888
2,992,533
2,995,012
3,001,367
3,002,354
3,002,355
3,003,317
3,006,148
3,008,294
3,009,322
3,011,314

52: 3,012,401
3,014,344
53: 2,967,395
2,969,646
2,970,441
2,975,597
2,976,685
2,981,068
2,983,101
2,984,070
2,986,884
2,988,889
2,991,619
2,993,339
3,001,368
3,004,389
54: Re.24,988
2,973,626
2,977,766
2,983,102
2,986,885
2,987,887
2,989,851
2,992,534
2,994,197
2,995,897
2,999,361
3,002,356
3,003,318
3,005,312
3,007,313
3,009,323
3,013,390
3,013,391
54. 5: 2,967,396
2,968,153
2,968,154
2,972,865
2,974,492
2,974,493
2,978,871
2,979,903
2,979,904
2,979,905
2,984,071
2,984,983
2,990,687
2,992,535
2,995,013
2,996,885
2,997,849
2,997,850
2,999,362
3,001,361
3,005,313
3,007,314
3,007,315
3,010,282
3,010,283
3,013,392
3,013,393
54. 6: 2,968,155
2,968,926
2,970,442
2,972,866
2,972,867
2,974,494
2,975,598
2,975,599
2,976,686
2,977,767
2,979,906
2,979,907
2,986,886
2,987,888
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2,996,886
2,997,851
3,003,319
3,009,324
3,011,315
57: 2,992,536
59: 2,974,495
2,994,198
60: 3,003,320
64: 3,003,321
67: 2,977,768
2,982,102
2,991,620
3,008,295
73: 2,967,397
2,968,156
2,984,984
2,991,621
95: 2,975,600
97: 2,968,927
2,969,647
2,970,443
2,972,232
2,972,868
2,972,869
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2,976,688
2,977,769

97: 2,978,872
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2,981,069
2,984,072
2,984,073
2,984,985
2,987,889
2,988,890
2,988,891
2,995,014
2,995,898
2,995,899
3,004,390
3,013,394
3,014,345
102: 2,976,689
3,008,296
105: 3,009,325
108: 2,968,157
3,008,297

Class 61

. 5: 2,976,690
2,976,691
2,981,070
2,983,103
2,986,007
2,991,624
3,003,322
3,006,149
1: 2,968,928
2,991,622
2,991,623
2: 3,013,395
4: 2,994,199
3,011,316
5: 2,967,398
2,972,233
2,976,692
2,994,200
2,994,201
6: 2,967,399
8: 3,010,284
9: 2,968,929
11: 2,981,072
18: 2,986,887
2,991,625
21: 2,978,873
26: 2,966,777
3,006,150
28: 2,979,909
2,984,074
2,984,986
29: 2,991,626
36: 3,012,405
41: 2,987,890
2,987,891
42: 3,005,314
43: 3,012,406
45: 2,970,414
3,008,298
46: 2,966,778
2,979,910
2,988,892
2,988,893
46. 5: 2,967,400
2,968,930
2,969,648
2,970,445
2,970,446
2,970,447
2,975,601
2,976,693
2,979,911
2,984,075
2,986,888
2,986,889
2,987,892
2,994,202
2,995,900
2,997,852
3,000,185
3,001,370
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3,007,317
3,011,317
3,011,318
3,013,396
3,014,346
3,014,347
47: 2,972,870
48: 2,984,076
3,001,371
3,004,391
3,009,326
51: 2,982,103
52: 2,972,234
53: 2,978,874
3,003,323
53. 52: 2,972,872
53. 64: 2,986,008
2,996,888

53. 7: 2,972,871
2,996,887
53. 72: 2,977,770
2,979,912
2,990,688
3,005,315
3,006,151
3,006,152
3,007,318
56: 2,983,104
63: 2,968,931
2,975,602
2,979,913
2,982,104
2,995,901
64: 2,995,015
67: 2,976,694
3,011,319
69: 2,968,159
2,981,073
2,987,893
70: 2,970,448
2,982,105
72: 2,981,074
2,992,537
72. 4: 3,004,392
72. 6: 2,995,902
2,998,706
84: 2,967,401
85: 2,997,853

Class 62

1: 2,975,603
3: 2,970,449
2,970,450
2,973,627
2,978,875
2,984,077
2,986,009
2,986,890
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2,991,628
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2,996,889
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3,003,324
3,009,327
5: 2,971,342
6: 2,971,343
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9: 2,975,604
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12: 2,996,891
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13: 2,975,605
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14: 2,968,160
2,981,079
15: 3,001,372
17: 2,970,451
2,995,903
3,001,373
3,010,286
18: 2,975,606
22: 2,982,107
2,990,689
2,990,690
2,993,342
23: 3,002,358
24: 2,973,628
2,984,988
28: 2,982,108
2,988,894
3,000,188
41: 2,973,629
42: 2,990,691
44: 3,009,328
45: 2,968,161
2,974,496
2,986,891
2,998,708
2,999,366
3,005,317

45: 3,011,321
3,012,407
46: 2,986,010
48: 2,971,344
2,984,080
2,991,629
2,992,540
2,993,343
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49: 2,983,105
2,986,892
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50: 2,968,162
3,001,374
51: 2,968,163
2,970,452
2,972,873
2,983,106
2,996,892
3,001,375
52: 2,975,607
2,984,989
2,996,893
2,997,855
3,012,408
53: Re.25,065
2,971,345
2,975,608
2,983,107
54: 2,976,695
2,978,876
2,986,893
3,001,376
55: 2,986,011
3,003,325
58: 2,986,012
2,988,895
2,995,016
2,997,856
3,012,409
59: 2,996,894
62: 2,981,075
2,983,108
3,003,326
63: 2,974,497
2,993,345
64: 2,969,649
2,979,914
2,982,109
2,993,346
3,001,377
3,007,319
66: 3,004,395
68: 2,969,650
71: 2,971,346
2,990,692
72: 2,986,013
2,990,199
73: 2,967,402
2,983,109
74: 2,968,164
80: 2,986,014
84: 2,972,235
3,004,396
85: 2,986,894
3,014,349
90: 2,975,609
91: 2,982,110
94: 2,968,165
97: 2,987,894
100: 2,984,081
101: 2,983,110
103: 2,984,990
115: 2,976,696
2,983,111
2,986,015
3,006,154
117: 2,992,541
121: 2,984,991
123: 2,984,992
3,004,397
126: 3,007,320
127: 2,994,204
129: 2,986,895
132: 2,979,915
2,994,205
3,003,327
3,010,287
134: 2,986,896
135: 2,968,166
2,969,651
2,970,453
2,998,709
3,003,328
3,003,329
3,008,301
3,012,410
136: 3,004,398
3,013,398
137: 2,976,697
2,977,772
2,982,111
2,986,897

137: 2,994,206
3,009,329
3,009,330
138: 2,996,895
139: 2,973,630
2,975,610
2,990,693
2,999,367
3,014,350
140: 3,003,330
3,004,399
141: 2,990,694
3,005,318
148: 3,002,359
149: 2,977,773
151: 2,975,611
3,013,399
153: 3,000,186
154: 2,970,454
155: 2,975,612
2,978,877
2,994,207
2,998,710
3,010,288
156: 2,968,167
2,974,498
2,983,112
2,988,896
2,988,897
2,991,630
2,992,542
3,004,400
3,004,401
3,005,319
3,013,400
157: 2,969,652
2,995,017
3,001,378
3,013,401
158: 3,000,187
159: 3,008,302
160: 2,966,779
2,976,698
3,002,360
3,005,320
161: 2,986,016
3,003,331
162: 2,978,878
163: Re.25,049
168: 2,988,898
171: 2,984,993
2,995,904
3,013,402
172: 2,969,653
2,979,916
173: 3,012,411
174: 2,986,898
3,006,155
175: 3,013,403
176: 2,968,933
2,972,236
3,009,331
3,012,412
180: 2,970,455
2,984,082
3,009,332
183: 2,971,347
3,004,402
186: 2,994,208
3,005,321
192: 2,975,613
195: 3,013,404
196: 2,967,403
2,979,917
2,986,899
2,992,543
3,001,379
3,010,289
3,011,322
197: 2,968,934
2,983,113
3,003,332
3,014,351
3,014,352
198: 2,993,347
199: 3,003,333
3,007,321
208: 2,981,076
2,997,857
209: 2,978,879
210: 2,981,077
211: 2,972,237
212: 2,971,348
2,977,774
214: 2,971,349
215: 2,994,209
217: 2,986,017
2,993,348
223 2,990,695
227 2,986,018
3,006,156
230: 2,975,614
233: 2,969,654

Class 62—Con.

234: 2,984,083
3,013,405
235: 2,996,896
238: 3,008,303
239: 2,984,084
243: 2,989,854
244: 2,970,456
2,994,210
246: 2,973,631
250: 2,986,019
251: 3,010,290
252: 3,010,291
256: 2,967,404
2,984,085
2,993,349
3,009,333
259: 3,000,190
3,000,191
3,006,157
260: 2,996,897
261: 3,001,380
262: 2,972,238
2,984,086
2,994,211
2,998,711
263: 2,975,615
2,986,900
268: 2,978,880
2,996,898
3,007,322
3,009,331
271: 2,981,078
272: 2,990,780
2,971,350
2,999,368
3,012,413
273: 3,006,158
275: 2,979,918
3,012,414
276: 2,986,901
2,988,899
3,008,304
278: 2,976,699
2,983,114
2,998,712
3,012,415
279: 2,970,457
280: 3,008,305
283: 2,998,713
3,008,306
284: 2,967,405
285: 2,983,115
3,000,192
3,000,193
291: 2,975,616
293: 2,982,112
2,997,858
295: 3,006,159
296: 2,989,855
3,006,160
298: 2,986,902
2,997,859
300: 3,002,363
302: 2,982,113
305: 2,995,018
3,012,416
311: 3,004,403
312: 2,998,714
3,006,161
313: 2,976,700
314: 2,979,919
2,990,696
320: 2,999,369
324: 2,969,655
2,976,701
2,978,881
2,991,631
3,003,334
3,006,162
3,006,163
3,006,164
3,009,335
325: 2,984,087
2,999,370
333: 2,986,903
338: 2,982,114
340: 2,967,406
3,008,307
342: 2,972,239
2,975,617
2,975,618
2,979,920
2,993,350
3,000,194
3,004,404
344: 2,967,407
2,968,168
2,995,905
2,997,860
3,009,336
345: 2,990,697
347: 2,978,882
2,997,861
2,999,371
3,012,417
348: 3,003,335
351: 2,967,408
2,987,895
353: 2,967,409
2,968,935
2,981,079
2,990,701
2,999,372
3,004,405
3,005,322
3,010,292
354: 3,002,361
355: 3,001,381
357: 3,008,308
365: 2,981,080
367: 3,003,336
371: 2,989,856
3,006,165
373: 3,000,195
3,004,406
374: 3,004,407
378: 2,981,081
380: 3,001,382
381: 2,978,883
3,013,406
382: 3,010,293
384: 3,001,383
386: 2,974,499
389: 3,000,189
390: 3,009,337
392: 2,994,212
394: 2,988,900
396: 3,011,323
401: 2,981,082
2,984,088
402: 3,002,362
403: 2,997,862
407: 3,006,166
413: 2,978,884
418: 2,988,901
419: 2,975,619
2,982,115
2,983,116
3,004,408
3,009,338
427: 2,971,351
2,995,906
428: 2,974,500
2,979,921
2,981,083
429: 2,984,089
2,986,904
3,008,309
438: 3,006,167
447: 2,979,922
448: 3,007,323
457: 2,984,994
467: 3,014,353
475: 2,971,352
2,986,905
476: 2,979,923
2,983,117
2,998,715
487: 2,986,906
3,000,196
496: 3,003,337
497: 2,977,775
2,999,373
498: 2,973,632
2,991,632
499: 3,001,384
3,013,407
503: 2,990,698
505: 2,967,410
2,988,902
506: 3,012,418
510: 2,986,907
511: 2,979,924
2,990,699
512: 2,988,903
514: 2,991,633
515: 2,986,020
2,992,545
523: 2,966,781
2,992,546
527: 2,990,700

Class 63

9: 2,996,899
14: 2,971,353
3,013,408
15.5: 2,971,354
27: 3,014,354

Class 64

.5: 2,981,071
1: 2,976,702
2,978,885
2,998,716
3,008,310
4: 2,976,703
2,984,090
6: 3,012,419
7: 2,968,936
2,984,995
3,012,420
8: 3,008,311
3,013,409
9: 2,974,501
2,975,620
2,982,117
2,983,118
2,986,908
3,001,385
3,003,338
3,005,323
3,008,312
3,010,294
10: 2,972,240
2,986,021
11: 2,969,656
2,969,657
2,973,633
2,974,502
2,989,857
2,994,213
2,995,907
2,999,374
3,003,339
3,012,421
12: 3,004,409
3,011,324
13: 2,982,118
2,997,863
2,998,717
14: 2,996,900
15: 2,968,169
2,969,658
2,971,355
2,979,925
2,984,996
3,000,197
3,000,198
3,013,410
17: 2,975,621
2,977,776
2,992,547
2,996,901
2,997,864
3,001,386
3,005,324
3,006,168
3,010,295
19: 3,010,296
21: 2,969,659
2,978,886
2,981,084
2,983,119
2,984,997
2,986,022
2,987,896
2,987,897
2,988,904
2,991,634
3,002,364
3,013,411
23: 2,977,777
2,983,120
2,991,635
2,992,548
2,995,908
3,001,387
23.6: 2,979,926
23.7: 2,970,458
24: 2,986,023
3,003,340
25: 2,977,778
3,003,341
3,004,410
3,008,313
26: 2,972,241
2,986,024
27: 2,969,660
2,971,356
2,984,091
2,991,636
2,995,909
3,002,365
3,013,412
3,013,413
28: 2,969,661
2,976,704
3,012,422
29: 2,983,121
2,983,122
2,996,902
3,004,411
3,005,325
30: 2,974,503
2,974,504
2,977,779
2,983,123
2,983,124
30: 2,991,637
2,995,019
32: 2,983,125

Class 66

1: 2,990,702
9: 2,966,782
2,971,357
2,993,351
3,010,297
3,013,414
3,014,355
14: 2,979,927
2,987,898
17: 3,009,339
19: Re.25,101
2,988,905
20: 2,968,170
24: 2,997,865
41: 2,995,020
42: 2,970,459
2,971,358
2,987,899
3,002,366
3,004,412
43: 2,974,505
2,996,903
3,013,415
48: 3,006,169
3,013,416
50: 2,995,910
3,004,413
3,004,414
3,010,298
3,012,423
51: 2,974,506
54: 2,981,085
2,983,126
3,013,417
56: 2,966,783
3,010,299
57: 3,013,418
60: 3,005,326
64: 2,972,242
3,007,324
69: 2,993,352
75: 3,009,340
77: 3,012,424
82: 2,972,243
2,972,874
2,983,127
2,992,549
84: 2,971,359
2,993,353
3,001,388
3,011,325
85: 2,972,244
2,976,705
2,989,858
2,991,638
3,013,419
86: 2,967,411
2,978,887
2,984,998
2,986,909
2,988,906
3,006,170
3,008,314
87: 2,990,703
88: 2,978,888
2,984,092
3,006,171
89: 2,969,662
90: 3,007,325
92: 2,996,904
93: 2,984,999
3,000,199
3,010,300
96: 3,004,415
3,008,315
109: 3,006,172
3,007,326
111: 2,966,784
2,997,866
114: 2,995,911
125: 2,967,412
126: 2,977,780
2,977,781
132: 2,967,413
135: 2,999,375
136: 2,988,907
138: 3,008,316
140: 2,970,460
3,006,173
146: 2,972,245
3,014,356
147: 2,995,021
2,995,912
3,012,425
149: 2,975,622
2,995,913
3,010,301
150: 2,967,414
2,971,360
2,972,875
2,995,914
3,003,342
154: 3,012,426
155: 2,970,461
156: 2,985,000
2,997,867
2,997,868
3,004,416
3,006,174
157: 3,004,417
163: 2,995,022
3,001,389
166: 2,976,706
2,991,639
172: Re.24,971
2,976,707
2,981,086
2,985,001
2,986,025
3,003,343
3,003,344
173: 2,977,782
176: 2,966,785
2,976,708
2,977,783
177: Re.24,970
2,983,128
3,006,175
3,007,327
3,010,302
178: Re.25,046
2,994,214
179: 2,970,462
2,976,709
182: 2,974,507
185: Re.21,922
2,987,900
187: 2,968,937
3,004,418
190: 3,013,420
191: 2,968,171
2,991,640
192: 2,996,905
193: 2,967,415
3,009,311
194: 2,974,508
195: 2,985,002
2,992,550
2,996,906
196: 2,979,928
202: 2,990,704

Class 67

4.1: 2,995,915
2,998,718
6.1: 2,999,376
7: 2,997,869
7.1: 2,971,361
2,973,634
2,978,889
2,979,929
2,979,930
2,986,026
2,986,027
2,996,907
3,007,328
3,011,326
3,014,357
22.5: 2,974,509
23: 2,981,087
2,987,901
31: 2,978,890
2,981,088
2,982,119
3,000,200
3,002,367
87: 2,984,093

Class 68

3: 2,985,003
2,986,910
4: 2,974,510
2,974,511
2,987,902
3,014,358
5: 2,973,635
2,974,512
2,986,911
2,986,912
2,994,215
3,005,327
3,011,327
3,012,427
12: 2,969,663
2,974,513
2,975,623
2,975,624
2,976,710
2,979,931
2,983,129
12: 2,986,913
2,986,914
2,986,915
2,990,705
2,990,706
2,990,707
2,993,354
2,995,916
3,003,345
3,003,346
3,003,347
3,005,328
3,006,176
3,012,428
3,013,421
15: 2,995,917
3,009,342
17: 2,967,416
2,968,172
2,970,463
2,973,636
2,976,711
2,987,903
2,988,908
18: 2,971,362
2,972,876
2,972,877
2,975,625
2,979,932
2,983,130
3,013,422
19: 2,970,464
2,975,626
2,976,712
2,986,916
20: 2,986,917
2,990,708
2,991,641
3,005,329
3,009,343
21: 3,013,423
22: 2,968,173
2,976,713
2,979,933
23: 2,973,637
2,978,891
2,987,904
2,996,908
3,010,303
3,010,304
3,012,429
3,013,424
24: 2,967,417
2,968,174
2,978,892
2,981,089
2,984,094
2,995,918
38: 2,977,784
53: 3,007,329
58: 2,974,514
62: 3,000,201
131: 2,974,515
2,990,709
2,993,355
2,995,023
140: 2,994,216
143: 2,966,786
158: 2,993,356
3,011,328
173: 2,997,870
177: 2,979,934
2,997,871
178: 2,969,664
181: 2,972,878
2,990,710
3,009,344
184: 2,969,665
200: 2,985,004
205: 2,968,938
206: 2,968,175
207: 2,974,516
2,975,627
2,979,935
2,979,936
2,982,120
2,993,357
3,005,330
208: 2,987,905
210: 2,986,918
213: 2,978,893
2,987,906
3,008,317
214: 3,010,305
220: 2,984,095
222: 3,000,202
255: 2,991,642
258: 3,001,390
263: 2,971,363
2,978,894

Class 69

8: 3,007,330
10: 3,013,425
21: 2,983,131
3,006,177
22: 3,001,391
37: 3,011,329
41: 2,995,024
46: 2,975,628

Class 70

1.5: 3,013,426
14: 3,002,368
16: 2,966,787
21: 3,009,315
25: 2,985,005
32: 2,999,377
38: 3,001,392
3,008,318
49: 2,983,132
57: 2,978,895
2,996,909
3,007,831
58: 2,983,133
2,992,551
2,995,025
2,999,378
63: 2,976,714
67: 3,008,319
71: 2,967,418
74: 3,008,320
3,008,321
84: 3,003,348
90: 3,006,178
92: 3,007,332
93: 2,970,465
2,981,090
2,995,919
3,004,419
99: 3,012,430
100: 3,011,330
116: 2,969,666
2,989,859
118: 3,004,420
129: 3,006,179
134: 2,969,667
2,991,643
135: 2,987,907
2,989,860
141: 2,977,785
146: 2,983,134
2,987,908
2,988,909
3,009,346
3,009,347
149: 3,002,369
153: 2,993,358
2,993,359
3,006,180
156: 2,966,788
2,991,644
2,997,872
168: 2,987,909
169: 2,994,217
173: 2,988,910
180: 3,006,181
183: 3,002,370
211: 2,990,711
212: 3,014,359
216: 3,000,203
3,011,331
227: 3,009,348
231: 2,978,896
232: 2,984,096
3,004,421
264: 2,993,360
2,996,910
3,000,204
276: 2,966,789
2,972,879
313: 2,967,419
314: 2,988,911
337: 3,010,306
339: 2,970,466
363: 2,982,121
2,993,361
364: 2,977,786
369: 3,009,349
387: 2,987,910
388: 3,005,331
395: 3,008,322
414: 2,989,861
442: 2,974,517
451: 2,986,919
454: 2,993,362
456: 2,968,176
2,972,880
2,978,897
3,004,422
3,006,182
3,008,323
3,009,350
458: 2,969,668
2,985,006
459: 2,989,862

21: 2,983,131
3,006,177
22: 3,001,391
37: 3,011,329
41: 2,995,024
46: 2,975,628

Class 70

1.5: 3,013,426
14: 3,002,368
16: 2,966,787
21: 3,009,345
25: 2,985,005
32: 2,999,377
38: 3,001,392
3,008,318
49: 2,983,132
57: 2,978,895
2,996,909
3,007,831
58: 2,983,133
2,992,551
2,995,025
2,999,378
63: 2,976,714
67: 3,008,319
71: 2,967,418
74: 3,008,320
3,008,321
84: 3,003,348
90: 3,006,178
92: 3,007,332
93: 2,970,465
2,981,090
2,995,919
3,004,419
99: 3,012,430
00: 3,011,330
16: 2,969,666
2,989,859
18: 3,004,420
29: 3,006,179
34: 2,969,667
2,991,643
35: 2,987,907
2,989,860
41: 2,977,785
46: 2,983,134
2,987,908
2,988,909
3,009,346
3,009,347
49: 3,002,369
53: 2,993,358
2,993,359
3,006,180
56: 2,966,788
2,991,644
2,997,872
68: 2,987,909
69: 2,994,217
73: 2,988,910
80: 3,006,181
83: 3,002,370
11: 2,990,711
12: 3,014,359
16: 3,000,203
3,011,331
27: 3,009,348
31: 2,978,896
32: 2,984,096
3,004,421
54: 2,993,360
2,996,910
3,000,204
76: 2,966,789
2,972,879
3: 2,967,419
4: 2,988,911
7: 3,010,306
9: 2,970,466
3: 2,982,121
2,993,361
4: 2,977,786
9: 3,009,349
7: 2,987,910
8: 3,005,331
5: 3,008,322
4: 2,989,861
2: 2,974,517
1: 2,986,919
4: 2,993,362
6: 2,968,176
2,972,880
2,978,897
3,004,422
3,006,182
3,008,323
3,009,350
8: 2,969,668
2,985,006
9: 2,989,862

Class 71

1: 2,976,138
2,978,309
2,983,594
2,988,439
2,995,433
3,008,816
3,009,804
3,009,805
3,011,881
3,011,885
3,011,886
2.2: 2,998,310
2.3: 2,977,209
2,977,210
2,977,211
2,978,310
2,981,619
2,989,391
2,989,392
2,989,393
2,990,265
2,991,169
2,993,774
2,997,379
2,997,380
3,001,859
3,004,843
3,006,749
3,006,750
3,007,786
3,007,787
3,007,788
3,012,869
2.4: 2,992,089
3,004,814
3,004,845
3,007,789
2.5: 2,967,100
2,970,048
2,972,528
2,984,559
2,992,090
3,001,860
3,008,817
2.6: 2,967,101
2,977,212
2,992,091
2,992,913
2,997,381
2,997,382
3,001,861
3,005,694
3,005,695
3,008,818
3,009,806
3,012,870
3,012,871
3,012,872
3,012,873
3,013,873
2.7: 2,973,258
2,973,259
2,976,139
2,979,391
2,980,525
2,983,595
2,988,410
2,990,266
2,992,092
2,993,775
2,993,776
2,993,777
2,994,599
2,999,745
2,999,746
3,001,862
3,006,751
3,006,752
3,007,790
3,011,887
3,013,874
3: 2,974,030
3,010,816
9: 2,969,279
11: 3,000,722
12: 2,995,434
24: 2,992,093
27: 2,988,441
2,996,371
29: 3,006,753
30: 3,000,723
32: 2,980,526
33: 2,978,311
2,978,312
37: 2,968,543
2,968,544
2,978,313
2,995,435
3,010,817
3,010,818
3,011,888
39: 2,968,545
2,968,546
39: 2,985,527
3,000,724
40: 2,971,831
2,976,140
2,976,141
2,992,914
41: 2,969,280
2,977,213
3,006,754
43: 2,999,015
44: 2,995,436
46: 2,995,437
61: 2,991,170
3,006,755
63: 2,970,049
64: 2,971,832
2,977,214
3,002,831
3,005,696
3,005,697
3,012,874

Class 73

1: 2,967,420
2,971,364
2,971,365
2,974,518
2,978,898
2,979,937
2,981,091
2,986,920
2,992,552
2,993,363
3,004,423
3,005,332
3,011,332
3,011,333
3,012,431
3: 2,971,366
2,987,911
2,991,645
3,005,333
4: 2,970,467
2,976,715
5: 2,971,367
6: 3,002,371
7: 2,966,790
2,969,669
2,976,716
2,990,712
3,011,334
9: 2,972,881
2,990,713
10: 3,009,351
12: 2,966,791
2,976,717
2,977,787
2,979,938
2,982,122
2,986,921
2,995,026
2,998,719
3,001,393
3,014,360
15: 2,968,177
2,972,882
2,975,629
2,968,028
2,998,720
3,013,427
15.4: 2,986,922
15.6: 2,966,792
3,010,307
17: 2,967,421
2,967,422
2,967,423
2,967,424
2,971,368
2,988,912
2,996,911
3,008,324
3,008,325
3,013,428
19: 2,971,369
2,987,912
23: 2,972,246
2,981,092
2,982,123
2,985,007
2,991,646
2,991,647
2,995,920
2,999,379
24: 2,978,899
2,984,097
25: 2,968,939
26: 3,011,335
27: 3,007,333
28: 2,986,923
3,010,308
29: 3,002,372
3,011,336
30: 3,002,373
32: 2,999,380
33.7: 2,982,124
35: 2,966,793
2,972,247
2,973,638
2,981,093
2,983,135
36: 2,971,370
2,974,519
3,011,337
37: 2,988,913
37.5: 2,969,670
2,976,718
2,981,094
2,983,136
2,986,924
2,993,364
2,994,218
3,002,374
37.8: 2,972,883
2,995,921
2,997,873
37.9: 2,977,788
3,006,183
3,010,309
38: 2,995,027
3,007,334
40: 2,966,794
2,968,178
2,977,789
2,979,939
2,981,095
2,995,028
3,012,432
3,014,361
40.5: 2,982,125
3,012,433
40.7: 3,003,349
45: 3,010,310
45.2: 2,985,008
45.5: 2,993,365
45.6: 2,982,126
46: 3,000,205
49.1: 2,983,137
2,986,929
2,998,721
49.3: 2,989,863
53: 2,967,425
2,970,468
2,971,371
2,974,520
2,990,714
2,995,922
3,014,362
54: 2,973,639
2,986,925
2,988,914
2,995,929
59: 3,014,363
60: 2,977,790
3,008,326
61: 2,976,719
2,976,720
2,995,930
2,997,874
3,009,352
64: 2,995,931
2,995,923
3,003,350
65: 2,995,924
66: 3,008,327
67.1: 2,981,096
3,014,364
67.2: 2,970,469
67.3: 3,005,334
67.5: 2,971,372
3,003,351
3,003,352
67.7: 2,985,009
2,995,925
67.8: 2,980,864
2,992,553
2,995,932
2,995,926
3,002,375
3,004,424
3,004,425
3,005,335
3,006,184
67.9: 2,969,671
2,984,098
3,009,353
3,011,338
3,011,339
70: 2,995,927
70.1: 2,995,928
70.2: 2,974,521
71: 2,976,721
71.4: 2,979,940
2,985,010
2,996,912
3,012,434
71.7: 3,001,394
73: 2,968,940
2,999,381
3,003,353
76: 2,976,722
78: 2,966,795
2,975,630
79: 2,992,554
80: 2,968,941
2,984,099
81: 2,975,631
2,991,648
83: 2,986,930
86: 2,972,248
2,993,366
2,994,219
87: 2,986,926
88: 2,966,796
2,972,249
2,981,097
2,983,138
2,984,100
2,986,927
3,007,335
88.5: 2,966,797
2,982,127
2,986,928
3,006,185
90: 3,009,354
92: 2,979,941
2,986,031
93: 2,978,900
2,999,382
94: 2,976,723
3,000,206
95: 2,968,179
3,010,311
99: 2,971,373
100: 3,008,328
3,014,365
101: 2,972,884
2,993,367
102: 2,983,139
2,993,368
103: 3,005,336
104: 2,984,101
105: 2,972,250
2,994,220
112: 2,970,474
113: 2,994,221
3,000,207
114: 3,014,366
116: 2,975,632
2,975,633
2,981,098
2,985,011
2,986,032
2,986,929
2,991,649
2,993,369
2,995,929
2,999,383
3,002,376
3,002,377
3,010,312
3,010,313
117: 2,979,942
2,982,128
134: 2,973,640
2,981,099
2,996,913
3,007,336
3,007,337
136: 2,974,522
2,978,901
2,978,902
2,978,903
2,979,943
3,000,208
3,011,340
139: 3,000,209
141: 2,967,426
2,968,942
2,968,943
2,973,641
2,977,791
2,981,100
2,981,101
2,984,102
2,986,930
2,986,931
2,987,913
2,992,555
2,992,556
2,993,370
2,995,933
2,995,934
2,997,875
3,004,426
3,005,337
3,010,314
143: 2,983,140
2,984,103
144: 2,986,932
2,988,915
141: 2,996,914
146: 2,978,904
147: 2,968,944
2,992,557
2,995,035
3,001,395
3,002,378
3,005,338
3,005,339
3,011,341
149: 2,967,427
150: 2,971,374
2,979,944
2,982,129
2,987,914
2,989,865
2,990,715
2,993,371
3,008,329
151: 2,970,470
3,004,427
3,006,186
151.5: 2,974,523
2,981,102
3,009,355
152: 3,001,396
154: 2,972,251
155: 2,977,792
2,982,130
3,002,379
3,011,342
3,014,367
156: 2,976,724
2,978,905
159: 3,005,340
160: 3,004,428
3,013,429
161: 3,013,430
162: 2,981,103
2,983,141
167: 2,983,142
2,983,143
2,984,104
2,993,372
3,014,368
168: 2,979,945
3,002,380
169: 2,974,524
170: 2,973,642
2,982,131
3,014,369
171: 2,997,876
172: 2,976,725
178: 2,992,558
3,002,381
3,007,338
179: 2,970,471
2,973,643
180: 2,971,375
2,977,793
2,986,033
3,006,187
181: 2,986,933
182: 2,977,794
2,985,012
2,985,013
3,002,382
187: 3,003,354
188: 2,983,144
2,995,930
3,010,315
189: 2,969,672
2,981,101
2,985,014
190: 2,982,132
193: 2,983,145
3,012,435
3,014,370
194: 2,969,673
2,975,631
2,975,635
2,979,946
2,991,650
2,993,373
2,995,036
3,001,397
3,002,383
3,005,341
3,005,342
3,006,188
3,006,189
3,007,339
3,012,436
195: 2,982,133
196: 2,984,105
198: 2,977,795
2,982,134
2,984,106
2,995,931
199: 2,970,472
200: 2,971,376
3,001,398
202: 3,013,431
203: 3,010,316
204: 2,972,885
2,994,222
205: 2,992,559
3,006,190
206: 2,968,945
3,006,191
207: 2,979,947
2,989,866
208: 3,008,330
209: 2,970,473
2,982,135
2,993,374
210: 2,991,651
3,011,343
211: 2,987,915
212: 2,995,932
213: 2,995,933
3,013,432
217: 3,005,343
219: 2,977,796
2,998,722
221: 3,010,317
223: 3,001,399
224: 2,966,798
2,971,377
228: 2,979,948
231: 2,974,525
2,988,916
3,000,210
3,002,384
232: 3,004,429
233: 3,000,211
242: 3,001,400
258: 2,972,886
2,991,652
2,993,375
263: 3,004,430
272: 2,997,877
3,005,344
277: 2,989,867
279: 2,976,726
281: 3,011,344
290: 2,975,636
2,993,376
2,998,723
3,010,318
292: 3,011,345
298: 2,999,386
299: 2,985,015
3,003,355
301: 3,004,431
304: 2,968,180
2,968,181
2,974,526
2,975,637
2,976,727
2,977,797
2,981,105
2,996,915
2,997,878
3,000,212
3,010,319
3,010,320
305: 3,009,356
312: 2,984,107
313: 2,971,378
3,004,432
317: 2,979,949
2,987,916
2,992,560
3,013,437
321: 2,972,252
323: 2,984,108
2,998,724
327: 3,005,345
330: 3,013,433
335: 2,977,798
336: 2,987,917
336.5: 2,975,638
2,976,728
2,979,950
2,987,918
2,991,653
339: 2,970,475
2,972,887
2,981,106
3,008,331
341: 2,981,107
2,985,016
2,996,916
342: 2,976,729
2,986,934
343: 2,981,108
2,985,017
2,987,919
349: 3,000,213
350: 2,972,253
351: 2,979,951
352: 2,967,428
355: 2,968,946
2,976,730
2,986,034
2,986,935
2,996,917
356: 3,002,385
358: 2,986,936
3,001,401
359: 2,967,429
2,969,674
2,991,654
362: 2,971,379
2,981,109
2,993,377
2,996,918
3,000,214
3,014,371
362.4: 2,993,378
363: 2,990,716
363.3: 2,979,952
368: 2,993,379
2,994,223
2,998,725
368.3: 2,973,644
368.4: 2,979,953
376: 2,986,055
378.3: 3,002,386
379: 2,986,937
3,010,321
381: 2,974,527
2,982,136
382: 2,977,799
2,978,906
2,986,036
3,011,346
3,011,347
384: 3,009,357
3,009,358
386: 2,969,675
387: 2,997,879
3,004,433
3,013,431
388: 2,969,676
2,984,109
2,986,037
2,987,920
389: 2,981,110
391: 2,979,954
392: 2,986,938
393: 2,999,384
398: 2,966,799
2,968,947
2,969,677
2,979,955
2,985,018
2,985,019
2,999,385
3,000,215
3,000,216
3,008,332
3,011,348
399: 3,010,322
401: 2,983,146
2,997,880
406: 2,986,038
3,006,192
3,006,193
407: 2,969,678
2,970,476
2,975,639
2,976,731
2,978,907
2,978,908
2,985,020
2,989,868
3,014,372
408: 2,968,182
411: 2,971,380
3,004,434
421: 2,968,183
2,968,948
2,993,380
2,995,037
3,000,217
3,005,346
3,008,333
3,011,349
421.5: 2,987,921
3,001,402
3,006,194
422: 2,966,800
2,972,254
2,972,888
2,979,956
2,986,939
2,986,940
2,994,224
3,000,218
3,000,219
3,002,387
423: 2,977,800
3,005,347
424: 2,973,645
2,983,147
3,000,220
425: 2,987,922
425.2: 2,968,184
425.4: 2,972,889
2,974,528
2,998,726

Class 73—Con.

425.6: 3,001,403
3,013,435
426: 3,001,404
3,013,436
427: 2,973,646
2,986,039
2,999,387
432: 2,971,381
2,977,801
2,977,802
2,988,917
2,999,388
3,007,340
434: 2,987,923
435: 2,970,477
438: 2,978,999
2,993,381
3,009,359
440: 2,997,881
443: 2,969,679
447: 3,012,438
452: 2,972,255
453: 2,981,111
2,992,561
458: 2,972,276
3,010,323
459: 2,968,185
462: 2,966,801
2,972,890
2,981,112
2,988,918
2,995,931
463: 2,990,717
464: 2,984,110
3,001,405
465: 2,983,148
466: 2,975,649
2,979,957
467: 2,970,478
468: 2,997,882
480: 2,987,921
481: 2,977,893
483: 2,979,958
3,002,388
488: 2,977,804
490: 2,963,382
492: 2,976,732
2,995,919
497: 2,973,647
3,001,406
3,001,407
3,010,324
501: 3,006,195
502: 2,988,919
503: 2,974,529
2,975,641
2,976,733
2,983,149
2,988,929
2,997,883
3,005,348
3,008,334
504: 2,968,949
3,011,350
505: 2,974,530
2,990,389
507: 2,987,925
3,005,349
510: 2,968,950
2,975,642
511: 2,968,951
2,982,137
514: 2,970,479
2,976,734
3,002,389
515: 2,978,910
3,011,373
516: 2,966,802
2,974,531
2,974,532
2,979,959
2,995,038
3,002,390
517: 2,968,952
2,979,960
2,984,111
2,985,021
2,988,921
2,995,935
3,000,221
3,002,391
3,010,325
3,014,374
519: 3,011,351
522: 2,984,112
523: 2,977,805
2,991,225
3,011,352
534: 2,987,926
537: 2,991,655
2,995,936
3,007,341
541: 2,988,922
3,008,335
543: 3,004,435
544: 3,005,350

Class 74

1: 2,972,891
2,973,648
2,986,040
2,991,656
2,991,657
2,996,920
1.5: 2,968,186
2,976,735
2: 2,978,911
2,991,658
3,006,196
3,007,312
3.52: 2,971,382
2,997,884
3,014,375
5: 2,966,803
2,967,430
2,969,680
2,970,480
2,971,383
2,984,113
2,986,941
2,990,718
2,992,562
2,995,937
2,997,885
3,000,222
3,002,392
3,003,356
3,004,436
3,009,360
2,973,649
5.1: 2,982,138
2,990,719
2,996,921
2,996,922
5.12: 2,982,140
2,986,945
3,010,327
3,012,439
5.2: 2,978,912
2,983,150
5.22: 3,006,197
5.31: 2,977,806
2,985,023
2,996,923
2,999,390
3,004,437
3,005,352
5.37: 2,972,892
2,999,391
5.4: 2,968,953
2,969,681
2,981,113
2,986,942
2,986,943
2,986,944
2,987,927
2,998,727
3,000,223
3,001,408
3,010,326
3,014,376
5.41: 2,969,683
2,973,651
2,988,923
2,995,039
5a43: 3,012,440
5.47: 2,968,957
2,972,893
2,986,946
2,992,563
2,995,040
3,009,361
5.5: 2,982,139
2,983,151
2,984,114
2,995,910
5.6: 2,968,954
2,973,650
2,976,736
2,991,659
2,998,728
3,005,351
5.7: 2,969,682
2,971,384
2,978,913
2,985,022
2,995,938
2,995,939
2,997,886
5.8: 2,968,955
5.9: 2,968,956
7: 2,979,961
2,984,115
2,996,924
2,998,729
9: 2,972,257
10: 2,981,111
10.2: 2,972,258
3,006,198
10.27: 2,967,431
2,968,959
10.33: 2,996,925
10.45: 2,970,481
10.5: 3,007,343
10.8: 2,968,958
11: 3,001,409
3,002,393
13: 2,996,926
15.2: 2,975,643
15.6: 2,967,432
15.63: 3,004,438
15.8: 3,011,353
15.84: 2,970,482
3,006,199
15.86: 2,971,385
16: 2,967,433
2,975,644
2,976,737
2,977,807
2,996,927
3,000,224
3,012,441
18: 2,995,041
18.1: 2,978,914
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40: 2,972,894
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70: 2,985,024
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258: 2,995,045
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701: 2,993,387
705: 3,010,341
710.5: 2,968,198
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722: 2,993,388
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730: 3,006,219
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732: 2,972,906
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745: 2,974,546
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750: 2,972,907
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804: 2,966,811
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805: 2,991,665
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813: 2,972,912
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822: 2,968,973
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Class 75

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3: 2,977,215
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10: 2,971,833
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36: 2,993,779
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52: 2,993,781
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66: 2,983,599
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68: 2,987,391
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76: 2,989,397
77: 2,984,562
78: 2,967,769
80: 2,977,218
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82: 2,998,311
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124: 2,987,394
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146: 2,985,530
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148: 2,993,784
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152: 2,978,322
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207: 3,010,826
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214: 2,979,399
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223: 2,968,551
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226: 3,008,824

Class 76

24: 2,993,390
29: 3,008,356
35: 2,986,047
36: 2,995,959
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37: 2,986,048
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40: Re.25,083
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41: 2,984,128
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Class 77

2: 2,985,040
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3: 2,969,698
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32.3: 2,977,826
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3,003,372
32.5: 2,986,957
2,992,571
32.7: 2,997,901
32.8: 3,002,404
33.5: 2,993,391
34.1: 2,988,935
34.6: 2,995,961
2,999,404
37: 2,986,958
2,990,731
38: 2,984,129
3,007,355
40: 2,966,814
42: 2,972,915
2,986,959
55: 2,967,441
2,968,975
2,977,827
2,990,732
2,994,235
3,000,239
58: 2,967,442
2,979,974
2,984,130
2,991,667
2,998,736
3,000,240
3,002,405
3,005,365
3,007,356
3,011,370
3,013,450
62: 2,966,815
2,968,199
62: 2,976,748
2,987,944
2,990,733
2,991,668
2,995,962
2,996,936
2,997,902
3,006,223
3,008,359
63: 2,973,674
2,991,669
2,994,236
3,001,422
64: 2,967,443
3,000,241
3,012,454
67: 2,968,200
2,977,828
2,981,127
3,001,423
68: Re.24,924
2,969,699
2,971,409
2,986,960
3,010,345
3,014,386
69: 3,004,454
72: 2,995,963
73: 3,011,371
73.5: 2,991,670
3,008,360
75: 2,977,829
76: 2,983,166
2,998,737

Class 78

1: 2,983,167
2,991,671
2,992,572
9: 2,978,932
14: 2,999,405
15: 2,975,662
21: 2,986,051
3,002,406
22: 2,970,500
41: 2,979,975
3,000,242
46: 3,012,455
61: 2,968,976
84: 2,988,936

Class 79

5: 2,993,392
18: 3,001,029

Class 80

6: 2,968,201
2,974,549
2,974,550
2,977,830
2,985,041
2,987,945
7: 2,992,573
8: 2,967,444
13: 2,983,168
2,983,169
14: 2,972,267
2,988,937
16: 2,991,672
2,993,393
17.2: 2,981,131
18: 3,013,451
20: 2,994,237
2,995,964
32: Re.25,075
2,972,268
35: 2,972,269
2,983,170
2,999,406
3,006,224
36: 3,013,452
38: 2,975,663
2,978,933
2,985,042
3,003,373
40: 2,969,700
2,991,673
43: 2,988,938
2,995,050
51: 2,976,749
2,987,946
53: 3,013,453
54: 2,972,916
55: 2,971,410
56: 2,982,158
2,985,043
3,000,243
3,001,424
3,003,374
3,006,225
58: 2,983,171
60: 2,981,128
2,996,937
90: 2,951,132

Class 81

3: 2,988,939
2,990,734
3.1: 2,984,131
2,992,574
2,996,938
3,007,357
3.3: 3,001,425
3.4: 2,985,044
2,985,045
3.44: 2,985,046
3.46: 2,992,575
5.1: 3,005,366
6: 2,993,394
9.1: 2,966,816
2,974,551
2,996,939
9.5: 2,978,934
2,990,735
2,995,051
2,995,052
3,002,407
3,014,387
9.51: 2,977,831
2,981,129
2,988,940
3,002,408
3,003,375
15: 2,968,202
2,972,270
2,972,917
2,974,552
2,979,976
2,981,130
2,985,047
2,991,674
2,991,675
2,992,576
2,994,238
2,995,053
2,998,738
3,001,426
3,001,427
3,003,376
15.2: 3,003,377
15.7: 2,990,736
3,013,454
15.8: 2,990,737
17: 2,973,675
2,978,935
19: 2,968,977
2,968,978
33: 2,985,048
36: 2,967,445
38: 3,006,226
41: 2,969,701
2,971,411
2,984,132
2,990,738
2,993,395
52.3: 2,974,553
3,000,244
3,001,428
3,001,429
52.35: 2,990,739
2,999,407
3,008,361
52.4: 2,968,979
2,972,271
2,973,676
2,977,832
2,978,937
2,982,159
2,984,133
2,986,052
2,996,940
3,001,430
3,003,378
3,011,372
3,012,456
53: 2,966,817
2,967,446
2,968,203
2,969,702
2,972,918
2,976,750
2,978,937
2,984,134
2,985,049
2,986,053
2,989,880
3,009,371
3,014,388
54: 3,008,362
57: 2,992,577
58.1: 2,983,172
58.4: 3,009,372
60: 2,982,160
61: 3,004,455
62: 2,982,161

Class 81—Con.

63: 2,972,919
2,993,396
63.2: 3,000,245
64: 2,995,965
69: 2,970,501
3,013,455
71: 2,973,677
72: 2,972,920
2,984,135
76: 2,995,966
90: 2,982,162
2,991,676
3,003,370
3,010,346
3,010,347
3,014,389
121: 3,008,363
125: 2,993,397
3,005,367
3,006,227
126: 2,970,502
129: 2,979,977
158: 2,991,677
165: 3,000,246
170: 2,993,398
177: 2,968,980
2,986,054
2,986,061
2,989,881
3,002,409
177.8: 2,978,938
179: 2,983,173
180: 3,012,457
185: 2,991,678
338: 3,013,456
344: 2,988,941
349: 2,981,133
368: 2,996,818
379: 2,997,903
383: 2,986,962
410: 3,005,368

Class 82

2: 2,971,412
2,983,174
2,993,399
2.5: 3,010,348
9: 3,013,457
11: 2,968,981
14: 2,977,833
2,978,939
2,986,055
2,990,740
2,999,408
3,014,390
19: 3,009,373
21: 2,984,136
24: 2,978,940
3,002,410
28: 2,988,942
2,998,739
31: 3,014,391
32: 3,011,373
33: 2,971,413
3,009,374
35: 3,000,247
36: 2,972,272
2,986,056
2,988,943
40: 2,995,967
3,010,349
46: 2,987,947
48: 3,011,374
93: 2,976,819

Class 83

13: 2,989,882
14: 3,014,392
15: 2,993,400
18: 2,981,134
22: 2,971,554
23: 3,008,364
3,012,458
24: 2,976,751
29: 3,009,375
31: 2,989,883
37: 2,997,904
40: 3,005,369
53: 2,985,050
61: 2,970,503
71: 2,992,578
72: 2,990,741
74: 2,995,968
75: 2,971,414
80: 3,004,456
82: 2,976,753
91: 2,999,409
94: 2,971,415
96: 2,973,678
98: 2,976,752
106: 2,978,941
107: 2,992,579
109: 3,010,356
110: 3,011,375
133: 2,986,057
134: 3,013,458
136: 2,992,580
138: 2,983,176
139: 2,976,754
146: 2,996,820
155: 2,971,416
2,972,921
171: 2,997,905
175: 3,007,359
186: 2,990,742
191: 3,000,248
199: 3,011,376
206: 3,007,360
209: 2,979,978
210: 3,013,459
233: 2,988,944
245: 3,004,457
249: 3,000,249
255: 3,010,351
257: 3,014,393
262: 2,968,982
269: 3,003,380
300: 2,992,581
2,993,401
303: 2,984,137
3,011,377
308: 3,008,365
310: 2,981,135
2,984,138
341: 3,000,250
345: 2,985,051
3,005,370
346: 3,008,366
348: 2,986,058
355: 2,968,983
2,978,942
362: 2,978,943
364: 2,971,417
381: 3,000,376
403: 2,984,139
407: 2,979,979
420: 2,982,163
425: 2,987,948
443: 2,991,679
447: 2,977,834
467: 2,970,504
483: 3,010,352
485: 2,999,410
506: 2,997,906
522: 2,985,052
530: 2,978,941
549: 2,970,505
3,005,371
580: 2,971,418
2,990,743
588: 2,971,419
601: 3,004,458
605: 2,973,679
611: 2,992,582
620: 2,998,740
632: 2,981,136
635: 2,982,164
2,983,175
2,997,907
638: 3,003,381
639: 2,970,506
690: 3,000,251
699: 3,009,377

Class 84

1.01: 2,988,945
2,997,908
3,000,252
3,001,431
3,001,432
3,002,411
3,004,459
3,004,460
3,005,228
3,007,361
1.02: 3,011,378
1.03: 3,007,362
1.04: 2,984,140
2,985,963
2,991,239
1.06: 3,008,367
1.13: 3,002,412
1.14: 2,966,821
2,973,680
2,974,555
2,998,741
1.15: 2,972,922
2,978,945
2,988,946
3,007,363
1.16: 2,968,204
2,976,755
2,983,177
2,989,884
3,003,382
1.19: 2,989,885
2,989,886
3,011,379
1.22: 2,971,420
1.24: 2,989,887
3,006,229
1.25: 2,973,681
2,994,240
2,995,054
1.26: 2,967,447
2,972,273
2,986,964
3,003,383
94: 2,975,664
3,013,460
170: 2,971,421
171: 2,983,178
186: 3,001,433
216: 2,976,756
224: 2,975,665
240: 3,012,459
267: 2,998,742
3,009,378
275: 2,977,835
276: 3,014,391
280: 2,974,556
285: 2,975,666
299: 2,969,703
302: 2,971,422
312: 2,973,682
3,000,253
3,014,395
313: 2,972,923
317: 3,011,380
350: 2,970,507
351: 2,987,949
355: 3,003,384
376: 2,979,980
2,984,141
3,011,381
3,014,397
380: 2,971,423
383: 2,988,947
384: 3,011,382
388: 2,987,950
392: 2,988,948
2,990,744
402: 3,009,379
3,013,461
404: 2,971,424
3,014,397
409: 2,991,241
411: 2,979,981
421: 2,990,745
423: 3,002,413
3,012,460
439: 2,999,411
440: 2,996,941
443: 2,969,704
3,001,434
3,013,462
446: 2,996,942
463: 2,985,053
470: 2,995,055
2,995,056
3,004,461
471: 2,977,836
2,984,142
2,984,143
474: 3,001,435
477: 2,988,949
3,003,385
517: 2,991,680

Class 85

1: 2,972,274
2,983,179
3,008,368
2.4: 2,988,950
2,991,242
3,000,254
3,007,364
3,014,398
3,014,399
3: 2,990,746
2,997,909
2,998,743
5: 2,968,205
2,978,946
2,990,747
2,995,969
3,009,380
7: 3,009,381
8.3: 2,972,275
8.6: 2,989,888
8.8: 2,982,165
2,985,054
2,999,412
9: 2,995,057
3,002,414
10: 2,968,984
13: 3,003,386
16: 3,009,382
21: 2,967,448
3,010,353
32: 2,968,206
2,983,180
2,986,059
2,988,951
3,006,229
3,006,230
3,006,231
33: 2,974,557
2,984,144
36: 2,969,705
2,975,667
2,983,181
2,986,060
40: 2,968,207
2,971,425
2,974,558
2,977,837
2,991,681
2,994,243
2,997,910
3,009,383
3,009,381
41: 2,982,166
2,996,943
45: 2,977,838

Class 86

1: 2,966,822
2,968,985
2,985,055
2,987,951
2,994,244
2,996,944
3,004,462
3,009,385
3,010,354
3,010,355
10: 2,992,583
19: 3,005,372
20: 2,968,986
2,971,426
2,976,757
2,978,947
2,987,952
3,005,373
3,009,386
22: 2,997,911
23: 2,970,508
2,986,965
2,995,058
25: 3,001,436
29: 3,009,387
32: 2,981,137
33: 3,014,400
38: 2,981,138
45: 3,002,415
48: 3,002,416

Class 87

1: 2,974,559
2,977,839
2,985,056
2: 2,992,584
4: 2,981,139
6: 2,979,982
8: 3,013,463
12: 2,999,413
31: 2,983,182
56: 2,986,061
3,004,463
62: 3,006,232

Class 88

1: 2,966,823
2,966,824
2,967,449
2,968,208
2,968,987
2,971,427
2,972,276
2,972,277
2,972,924
2,973,683
2,975,668
2,976,758
2,976,759
2,978,948
2,981,140
2,981,141
2,981,142
2,982,167
2,983,183
2,986,062
2,986,063
2,992,585
2,992,586
2,992,587
2,995,970
2,996,945
2,996,946
1: 2,996,947
2,997,912
2,998,744
2,999,411
3,000,255
3,000,256
3,001,437
3,002,417
3,002,418
3,003,387
3,005,374
3,006,233
3,006,234
3,006,235
3,010,356
3,010,357
3,011,383
3,011,384
3,012,461
3,012,462
3,012,463
3,013,464
1.5: 2,970,509
2,974,560
2,991,682
2,995,971
3,007,365
3,011,385
2.2: 2,977,840
2,999,415
2.3: 2,970,510
2,995,972
2.4: 2,969,706
2,970,511
2,971,428
2,978,949
2,981,143
2,984,145
2,986,966
2,994,245
2,995,059
2,999,416
3,006,236
3,006,237
3,012,464
2.6: 2,976,760
2,989,889
3,000,257
2.7: 2,988,952
2,991,683
3,007,366
14: 2,967,450
2,967,451
2,967,452
2,968,209
2,968,210
2,968,988
2,969,707
2,969,708
2,969,709
2,969,710
2,970,512
2,970,513
2,971,429
2,971,430
2,971,431
2,972,278
2,972,925
2,972,926
2,973,684
2,973,685
2,973,686
2,973,687
2,974,561
2,975,669
2,976,761
2,976,762
2,976,763
2,976,764
2,977,841
2,977,842
2,977,843
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2,979,984
2,982,168
2,982,169
2,982,170
2,983,184
2,984,146
2,984,147
2,984,148
2,984,149
2,986,064
2,986,065
2,986,066
2,987,953
2,987,954
2,988,953
2,989,890
2,989,891
2,990,748
2,990,749
2,991,684
14: 2,991,685
2,991,686
2,991,687
2,991,688
2,992,588
2,992,589
2,993,402
2,993,403
2,993,404
2,993,405
2,995,060
2,995,973
2,997,913
2,997,914
2,998,745
2,998,746
2,999,417
2,999,418
2,999,419
3,001,438
3,001,439
3,002,419
3,002,420
3,002,421
3,003,388
3,004,464
3,004,465
3,004,466
3,005,375
3,005,376
3,006,238
3,007,367
3,008,369
3,008,370
3,009,388
3,010,358
3,011,386
3,011,387
3,011,388
3,011,389
3,011,390
3,011,391
3,012,465
3,012,466
3,012,467
3,012,468
3,012,469
3,013,465
3,013,466
3,013,467
3,014,401
14.5: 2,978,952
15: 2,991,689
3,011,392
16: 2,968,211
2,968,989
2,968,990
2,971,432
2,979,985
2,981,144
2,981,145
2,982,171
2,983,185
2,992,591
2,995,061
2,995,062
2,999,420
3,002,422
3,003,389
3,006,239
3,010,359
16.2: 2,968,991
2,972,279
2,976,765
2,982,172
2,985,057
2,985,058
2,985,059
2,985,060
2,988,954
2,992,590
2,993,406
2,996,948
3,003,390
3,004,467
3,006,240
3,010,360
3,014,402
16.4: 2,982,173
2,999,421
3,003,391
16.6: 2,967,453
2,974,562
2,977,844
2,991,690
2,993,407
2,996,949
2,996,950
2,998,747
3,006,241
3,012,470
3,013,468
3,014,403
16.8: 2,972,280
2,972,281
3,012,471
17: 2,972,927
2,981,146
2,986,067
2,987,955
2,987,956
2,995,063
2,996,951
2,997,915
2,998,748
3,001,440
3,002,423
3,002,424
3,011,393
3,014,404
18: 2,995,064
2,995,974
3,005,377
3,007,368
3,008,371
18.3: 2,972,928
20: 2,968,212
2,974,563
2,986,068
2,999,422
3,001,441
3,001,442
3,004,468
3,011,394
3,012,472
22: 2,968,213
2,995,065
22.5: 2,972,282
2,985,061
3,006,242
23: 2,971,433
2,972,929
2,972,930
2,982,174
2,983,186
2,987,957
2,994,246
2,995,975
3,001,443
3,012,473
24: 2,967,454
2,967,455
2,967,456
2,968,214
2,968,215
2,968,216
2,968,992
2,970,514
2,970,515
2,972,283
2,972,931
2,973,688
2,974,564
2,974,565
2,975,670
2,975,671
2,977,845
2,977,846
2,978,953
2,978,954
2,979,986
2,981,147
2,981,148
2,982,175
2,982,176
2,983,187
2,983,188
2,983,189
2,984,150
2,985,062
2,985,063
2,985,064
2,985,065
2,985,066
2,985,067
2,985,068
2,986,067
2,989,892
2,989,893
2,991,691
2,991,692
2,992,592
2,995,976
2,995,977
2,995,978
2,995,979
2,996,952
2,996,953
2,998,749
2,999,423
3,002,425
3,003,392
3,004,469
3,007,369
3,008,372
3,010,361
3,010,362
3,011,395
24: 3
26: 2
27:
28:
28.9:
28.91:
29:
30:
32:
34:
39:
40:
41:
43:
51:
52:
53:
54:
54.5:
56:
57:

16.8; 2,972,280
2,972,281
3,012,471
17: 2,972,927
2,981,146
2,986,067
2,987,955
2,987,956
2,995,063
2,996,951
2,997,915
2,998,748
3,001,440
3,002,423
3,002,424
3,011,393
3,014,404
18: 2,995,064
2,995,974
3,005,377
3,007,368
3,008,371
18.3: 2,972,928
20: 2,968,212
2,974,563
2,986,068
2,999,422
3,001,441
3,001,442
3,004,468
3,011,394
3,012,472
22: 2,968,213
2,995,065
22.5: 2,972,282
2,985,061
3,006,242
23: 2,971,433
2,972,929
2,972,930
2,982,174
2,983,186
2,987,957
2,994,246
2,995,975
3,001,443
3,012,473
24: 2,967,454
2,967,455
2,967,456
2,968,214
2,968,215
2,968,216
2,968,992
2,970,514
2,970,515
2,972,283
2,972,931
2,973,688
2,974,564
2,974,565
2,975,670
2,975,671
2,977,845
2,977,846
2,978,953
2,978,954
2,979,986
2,981,147
2,981,148
2,982,175
2,982,176
2,983,187
2,983,188
2,983,189
2,984,150
2,985,062
2,985,063
2,985,064
2,985,065
2,985,066
2,985,067
2,985,068
2,986,967
2,989,892
2,989,893
2,991,691
2,991,692
2,992,592
2,995,976
2,995,977
2,995,978
2,995,979
2,996,952
2,996,953
2,998,749
2,999,423
3,002,425
3,003,392
3,004,469
3,007,369
3,008,372
3,010,361
3,010,362
3,011,395

24: 3,011,396
3,012,474
26: 2,968,217
3,002,426
3,007,370
3,011,397
3,013,469
27: 2,967,457
28: 2,968,218
2,968,993
2,969,711
2,971,434
2,971,435
2,973,689
2,975,672
2,979,987
2,982,177
2,984,151
2,985,069
2,986,069
2,986,070
2,986,968
2,990,750
2,993,408
2,994,247
2,998,750
2,999,424
2,999,425
3,000,258
3,001,444
3,001,445
3,003,393
3,003,394
3,006,243
3,011,398
28.9: 2,968,219
2,974,566
2,983,190
2,984,152
2,991,693
28.91: 2,996,954
29: 2,984,153
3,005,378
30: 2,972,284
32: 2,997,916
2,006,244
34: 2,985,070
2,988,955
3,012,475
39: 2,967,458
2,968,994
2,969,712
2,977,847
2,977,848
3,007,371
3,011,399
3,014,405
40: 3,006,245
3,010,363
41: 2,974,567
2,976,766
2,976,767
2,978,955
2,986,969
2,986,970
2,988,956
2,991,694
2,997,917
3,006,246
3,010,364
3,011,400
43: 2,973,690
2,986,971
51: 2,999,426
52: 3,006,247
3,010,365
53: 2,991,695
2,996,955
54: 3,010,366
54.5: 2,989,894
56: 2,997,918
57: Re.24,972
2,966,825
2,967,459
2,968,220
2,968,221
2,969,713
2,970,516
2,970,517
2,970,518
2,972,285
2,972,932
2,975,673
2,975,674
2,977,849
2,978,956
2,978,957
2,979,988
2,983,191
2,983,192
2,983,193
2,983,194
2,984,154

57; 2,984,155
2,985,071
2,986,071
2,986,972
2,989,895
2,991,696
2,995,066
2,995,980
2,997,919
2,997,920
2,997,921
3,000,259
3,000,260
3,001,446
3,002,427
3,004,470
3,004,471
3,005,379
3,006,248
3,006,249
3,008,373
3,010,367
3,011,401
3,011,402
3,011,403
3,012,476
3,014,406
3,014,407
57.5: 3,009,389
3,012,477
60: 2,991,697
2,993,409
61: 2,974,568
2,987,958
2,987,959
2,995,067
2,997,922
2,998,751
3,001,447
3,005,380
3,008,374
3,009,390
3,013,470
65: 2,982,178
2,995,981
2,996,956
68: 3,013,471
3,014,408
69: 3,010,368
70: 2,992,593
72: 2,987,960
3,001,448
74: 3,000,261
3,003,395
3,006,250
76: 3,004,472
77: 2,989,896
2,995,982
3,000,262
3,004,473
78: 3,012,478
79: 2,981,149
2,991,698
2,991,699
80: 3,005,381
81: 2,975,675
3,006,251
82: 2,977,850
3,005,382
3,014,409
84: 2,987,961
3,009,391
85: 3,006,252
86: 2,999,427
3,001,449
3,001,450
87: 2,976,768
2,979,989
2,990,751
3,003,396
3,009,392
92: 2,982,179
93: 2,987,962
2,988,957
2,989,897
3,000,263
3,000,264
3,005,383
96: 2,978,958
97: 2,968,995
3,004,474
98: 2,969,714
2,969,715
2,971,436
2,988,958
2,993,410
2,995,983
2,999,428
3,005,384
3,005,385
3,008,375
101: 2,979,990

104: 3,003,397
105: 2,988,959

Class 89

1: 2,977,851
2,977,852
2,989,898
3,011,404
1.5: 2,966,826
2,977,853
2,979,991
2,982,180
2,988,960
2,991,700
2,992,594
2,995,984
2,995,985
3,003,398
3,006,253
3,008,376
3,008,377
1.7: 2,966,827
2,967,460
2,968,222
2,968,996
2,970,519
2,970,520
2,971,437
2,972,933
2,973,691
2,975,676
2,978,959
2,981,150
2,981,151
2,981,152
2,983,195
2,984,156
2,984,157
2,985,072
2,986,973
2,986,974
2,987,963
2,987,964
2,987,965
2,988,961
2,989,899
2,993,411
2,993,412
2,993,413
2,994,248
2,994,249
2,995,986
2,998,752
2,998,753
2,998,754
3,001,451
3,001,452
3,002,428
3,004,475
3,005,386
3,007,372
3,008,378
3,008,379
3,009,393
3,011,405
3,011,406
3,013,472
3,014,410
3,014,411
6: 2,978,960
2,985,073
7: 2,981,153
2,986,072
2,992,595
2,995,987
12: 2,989,900
13: 2,977,854
14: 2,981,154
2,985,074
2,987,966
16: 2,975,677
2,981,155
2,992,596
17: 2,996,957
3,011,407
24: 2,977,855
26: 2,998,755
3,006,254
27: 2,986,073
3,010,369
33: 2,970,521
2,973,692
2,974,569
2,977,856
2,979,992
2,982,181
2,982,182
2,983,196
2,986,074
2,988,962
2,988,963
2,993,414

33: 2,993,415
2,997,923
3,000,265
3,001,453
3,011,408
35: 2,970,522
3,009,394
36: 2,976,769
2,983,197
37: 2,978,961
2,993,416
3,003,399
37.5: 3,008,380
40: 2,977,857
3,009,395
3,011,409
41: 2,966,828
2,968,223
2,968,997
2,977,858
43: 2,966,829
45: 2,971,438
2,975,678
46: 2,971,439
2,972,934
47: 2,990,752
2,998,756
3,001,454
126: 2,971,440
2,972,286
2,976,770
127: 2,981,156
129: 2,976,771
2,982,183
2,995,988
3,010,370
130: 2,971,441
135: 2,981,157
140: 2,978,962
3,000,266
142: 3,012,479
145: 2,992,597
155: 2,966,830
2,982,184
2,997,924
2,998,757
2,998,758
169: 2,973,693
3,000,267
189: 3,000,268
191: 3,003,400
3,009,396
192: 2,975,679
2,981,158
193: 2,987,967
2,987,968
196: 2,975,680
198: 2,973,694
3,000,269

Class 90

1: 2,995,068
3,011,410
1.4: 2,976,772
2,993,417
3,007,373
1.6: 2,968,998
2: 2,978,963
3: 3,001,455
4: 2,967,461
2,988,964
2,996,958
5: 2,978,964
3,009,397
6: 2,999,429
7.5: 3,007,374
8: 2,984,158
9: 2,974,570
10: 2,975,681
2,976,773
3,012,480
11: 2,967,462
2,968,999
2,970,523
2,972,287
2,977,859
2,987,969
2,988,965
2,994,250
2,995,069
2,996,959
3,001,456
11.42: 2,979,993
2,981,159
11.66: 3,003,401
12: 2,969,000
2,987,970
2,993,418
2,997,925
12.5: 2,976,774
13: 2,966,831
2,968,224

13: 2,969,716
2,997,398
13.05: 3,006,255
3,011,411
13.1: 2,976,775
3,000,270
13.2: 2,987,971
13.4: 3,004,476
13.5: 2,967,463
2,969,717
2,973,695
13.7: 2,983,198
14: 2,984,159
2,989,901
3,000,272
15: 2,969,718
2,973,696
2,983,199
3,004,477
3,008,381
15.1: 2,972,935
3,000,273
3,008,382
16: 2,982,185
2,991,701
17: 3,013,473
18: 2,968,225
20: 2,990,753
3,013,474
21: 2,972,936
2,978,965
2,983,200
3,009,399
3,010,371
22: 2,981,160
23: 2,970,524
24: 2,972,288
24.3: 2,997,926
34: 2,988,966
58: 3,002,429
59: 2,967,464
2,969,001
2,986,075
2,995,989
60: 2,976,776
2,978,966
2,987,972
62: 2,976,777
2,976,778
2,998,759
3,007,375
93: 2,975,682
96: 2,989,902

Class 93

1: 2,967,465
2,976,779
2,982,186
2,984,160
2,986,076
2,986,077
2,994,251
2,994,252
3,002,430
3,008,383
3,010,372
3,012,481
3,013,476
3,014,412
1.3: 2,981,161
8: 2,973,697
2,982,187
2,986,975
12: 2,966,832
2,971,442
20: 2,995,990
27: 3,001,457
28: 3,002,431
3,006,256
35: 3,003,402
3,006,257
36: 2,970,525
2,970,526
2,971,443
2,976,780
2,979,994
2,984,161
2,985,075
2,988,967
2,997,927
2,999,430
3,007,376
3,014,413
3,014,414
36.01: 2,973,698
2,974,571
36.2: 2,988,968
36.5: 3,000,274
37: 2,975,683
2,996,960
41: 2,982,188

44: 2,979,995
3,004,478
44.1: 2,993,419
47: 2,977,860
49: 2,969,002
2,969,719
2,982,189
2,985,076
3,002,432
3,008,384
3,012,482
3,013,477
3,014,415
51: 2,970,527
2,977,861
2,995,991
2,997,928
2,997,929
2,997,930
3,000,275
3,008,385
3,008,386
3,010,373
52: 2,986,078
2,987,973
53: 2,968,226
2,984,162
2,987,974
2,989,903
2,994,253
54: 2,993,420
55: 3,004,479
55,1: 2,966,833
3,012,483
58: 2,993,421
2,996,961
58.2: 3,003,403
58.3: 2,974,572
2,998,760
60: 3,007,377
61: 2,986,079
2,986,976
2,988,969
2,996,962
62: 2,983,201
63: 2,969,003
77: 2,985,077
80: 2,997,931
87: 2,977,862
88: 3,012,484
93: Re.25,018
3,006,258
94: 2,988,970
3,002,433

Class 94

1.5: 2,983,202
3,011,412
3: 2,977,863
5: 2,967,466
8: 3,011,413
10: 3,000,276
13: 2,999,431
17: Re.24,921
18: 2,967,467
2,976,781
2,976,782
22: 2,977,864
3,008,387
3,012,485
3,012,486
3,012,487
24: 2,999,432
25: 2,981,162
26: 2,994,254
31: 2,994,255
34: 2,997,932
39: 2,969,720
2,996,963
44: 2,976,783
3,011,414
45: 2,975,684
2,976,784
2,979,996
2,983,203
2,988,971
2,999,754
2,999,433
3,000,277
3,005,387
3,007,378
3,009,400
48: 2,985,078
2,988,972
3,001,458
3,008,388
50: 2,978,967
2,983,204
2,985,079
2,985,080
2,986,977
2,987,975

50: 2,990,755
3,000,278
3,007,379
3,008,389
3,009,401

Class 95

1: 2,979,997
2,986,080
3,008,390
1.1: 2,971,444
2,978,968
2,987,976
2,998,761
1.7: 2,984,163
3,002,434
3,003,404
3,005,388
3,005,389
3,009,402
4.5: 2,966,835
2,966,836
2,976,785
2,976,786
2,976,787
2,978,969
2,985,081
2,989,904
2,999,434
3,000,279
3,003,406
3,006,259
3,007,380
3,008,391
3,008,392
3,008,393
10: 2,967,468
2,968,227
2,969,004
2,972,289
2,973,699
2,975,685
2,975,686
2,975,687
2,976,788
2,976,789
2,979,998
2,981,163
2,981,164
2,981,165
2,982,190
2,983,205
2,983,206
2,983,207
2,984,164
2,984,165
2,985,082
2,987,977
2,989,905
2,990,756
2,990,757
2,990,758
2,992,599
2,992,600
2,993,422
2,994,256
2,994,257
2,995,070
2,995,071
2,995,072
2,995,073
2,996,964
2,996,965
2,997,933
2,999,435
2,999,436
2,999,437
2,999,438
2,999,439
2,999,440
2,999,441
2,999,442
2,999,443
3,000,280
3,000,281
3,000,282
3,000,283
3,001,459
3,001,460
3,002,435
3,002,436
3,004,480
3,004,481
3,005,390
3,007,381
3,008,394
3,009,403
3,010,374
3,011,415
3,013,478
3,013,479
3,013,480

Class 95—Con.

11: 2,967,469
2,968,228
2,975,688
2,977,865
2,982,191
2,986,978
2,989,906
2,995,992
3,005,391
3,007,382
3,011,416
3,012,488
11.5: 2,969,721
2,972,260
2,972,937
2,978,970
2,979,999
2,986,979
2,993,423
2,996,966
2,996,967
3,001,461
3,005,392
3,008,395
12: 2,990,759
3,006,260
3,008,396
12.5: 2,967,470
2,969,005
2,995,993
2,998,762
3,000,284
3,007,383
13: 2,971,445
2,978,971
2,991,702
2,991,703
2,995,994
3,002,437
3,009,401
3,009,405
14: 3,010,375
15: 2,993,424
16: 2,986,980
3,011,417
18: 3,003,405
31: 2,967,471
2,969,722
2,975,689
2,975,690
2,975,691
2,980,000
2,984,166
2,985,083
2,988,973
3,002,438
3,004,482
3,007,384
3,007,385
3,009,406
3,011,418
3,011,419
3,012,489
3,012,490
34: 3,006,261
36: 2,989,907
42: 2,971,446
2,974,573
2,980,001
2,980,002
2,982,192
2,992,601
2,992,602
2,997,934
3,000,285
3,008,397
44: 2,973,700
2,981,166
2,982,193
2,983,208
2,985,084
2,988,974
2,988,975
3,002,439
3,002,440
3,003,407
3,005,393
3,006,262
3,008,398
45: 2,972,291
2,976,799
2,983,209
2,984,167
2,986,981
2,994,258
2,995,074
2,997,935
2,999,444
3,001,462
3,012,491
3,014,416
47: 3,007,386
50: 2,974,574
2,990,760
53: 2,969,006
2,981,167
2,981,168
2,982,194
2,986,982
2,987,978
3,007,387
3,007,388
3,008,399
3,013,481
53.6: 2,973,701
2,984,168
54: 2,970,528
55: 2,988,976
2,995,995
3,007,389
56: 2,969,007
57: 2,970,529
3,006,263
3,006,264
59: 2,986,983
3,014,417
60: 2,995,075
63: 2,974,575
2,980,003
2,980,004
2,986,984
2,986,985
2,995,076
2,999,445
3,005,394
3,014,418
64: 2,967,472
2,968,229
2,969,008
2,970,530
2,974,576
2,974,577
2,974,578
2,975,692
2,975,693
2,980,005
2,981,169
2,985,085
2,986,986
2,988,977
2,989,908
2,990,761
2,991,704
2,993,425
2,995,996
2,995,997
2,996,968
2,997,936
2,999,446
3,002,441
3,005,395
3,006,265
3,009,407
3,011,420
3,013,482
73: 2,969,723
2,971,447
2,974,579
2,985,086
2,988,978
2,989,909
2,998,763
3,000,286
3,010,376
75: 2,971,448
2,977,866
2,977,867
2,989,910
2,990,762
76: 2,985,087
2,988,979
3,007,390
77: 2,975,694
77.5: 2,983,210
2,986,081
2,986,987
2,990,763
2,991,705
2,996,969
3,001,463
85: 2,969,724
2,972,938
3,011,421
86: 2,976,791
2,990,764
2,990,765
89: 2,975,695
2,981,170
2,986,988
2,989,911
2,989,912
2,989,913
3,000,287
3,000,288
90: 2,980,006
2,993,426
90.5: 2,982,195
93: 3,010,377
94: 2,967,473
2,977,868
2,981,171
2,997,937
2,999,447
3,000,289
3,012,492
95: 2,985,088
2,989,914
96: 2,993,427
99: 2,976,792
100: 2,992,603
3,005,396

Class 96

1: 2,968,552
2,968,553
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2,975,052
2,976,144
2,979,402
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2,990,279
2,990,280
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2,997,387
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3,003,869
3,003,870
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3: 2,968,554
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7: 2,997,388
9: 2,994,607
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13: 2,993,788
23: 2,992,101
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27: 2,983,604
28: 2,982,648
29: 2,971,840
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2,992,105
2,992,106
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30: 2,971,841
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33: 2,971,842
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2,995,442
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34: 2,980,533
3,003,873
35: 2,977,227
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2,993,790
2,996,380
2,997,391
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3,005,708
3,014,799
36: 2,977,228
2,990,282
2,997,392
38: 2,968,555
2,984,566
43: 2,972,533
2,995,443
3,012,887
44: 2,998,313
45: 2,987,397
48: 2,981,622
49: 2,974,042
2,976,145
2,979,404
2,994,609
2,996,381
50: 2,967,771
55: 2,976,146
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2,992,920
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2,998,314
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3,006,759
3,008,827
59: 2,984,567
61: 3,008,828
62: 2,980,536
63: 3,003,875
65: 3,005,710
66: 2,967,772
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3,003,876
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3,010,827
67: 3,006,760
68: 2,996,382
69: 2,968,556
75: 2,999,016
3,006,761
76: 2,969,283
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83: 2,976,147
2,993,792
84: 2,968,557
2,972,534
2,984,568
3,002,837
3,005,711
85: 2,970,907
2,973,262
2,992,108
87: 2,972,535
2,972,536
2,972,537
2,972,538
2,973,263
2,976,118
2,982,651
2,984,569
2,993,793
88: 2,967,105
91: 2,970,909
93: 3,004,851
94: 2,976,149
2,976,150
2,982,652
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97: 2,991,177
100: 2,983,608
2,991,610
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102: 2,976,151
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104: 2,972,539
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107: 2,983,609
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109: 2,981,624
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113: 3,003,878
114: 2,968,558
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115: 2,972,540
116: 2,981,625

Class 98

1.5: Re.24,990
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2,986,989
2,986,990
1,5: 2,991,706
2: 2,969,725
2,972,939
2,975,696
2,978,972
2,983,212
2,987,979
2,987,980
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2,992,605
3,008,400
3,008,401
13: 2,990,766
33: 2,976,793
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2,983,213
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3,000,290
3,003,408
3,008,402
3,010,378
36: 3,010,379
37: 2,969,726
3,000,291
3,004,483
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3,013,483
38: 2,970,531
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2,987,982
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40: 2,996,837
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2,974,581
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2,977,870
2,982,197
2,983,214
2,983,215
2,985,089
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2,988,980
2,991,707
2,991,708
2,991,259
2,996,970
2,996,971
2,996,972
3,001,464
3,002,442
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3,005,397
3,006,266
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3,012,494
41: 3,010,381
42: 2,972,940
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3,013,481
43: 2,968,230
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97: 2,980,007
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3,011,423
46: 2,980,008
2,985,691
49: 2,996,973
50: 3,006,267
55: 2,980,069
3,001,465
59: 2,983,216
62: 2,966,838
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67: 2,976,796
71: 2,994,260
82: 2,988,982
84: 2,976,797
94: 2,978,973
2,985,092
2,987,984
3,011,424
95: 3,008,403
96: 3,001,466
3,009,409
99.4: 3,006,268
99.5: 2,975,697
101: 2,972,911
2,995,079
106: 2,974,582
2,985,093
109: 2,997,938
110: 2,997,939
115: 2,968,231
2,971,451
115: 2,971,452
2,993,428
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3,011,425
116: 2,981,172
3,004,484
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119: 2,998,765
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121: 2,987,985
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Class 99

1: 2,978,325
2: 2,968,559
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4: 2,974,043
2,974,044
2,986,468
2,988,449
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6: 2,967,106
2,991,179
7: 2,975,055
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8: 2,995,445
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9: 3,002,838
14: 2,970,913
2,999,753
15: 2,983,612
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17: 3,001,875
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18: 2,993,794
20: 3,001,876
22: 2,991,180
23: 2,969,285
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24: 3,013,881
26: 3,006,763
36: 2,995,446
43: 2,967,107
48: 2,992,110
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49: 2,973,267
51: 2,970,054
54: 2,998,315
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55: 2,969,287
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56: 2,979,408
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57: 2,995,447
60: 2,990,284
61: 2,978,327
63: 3,011,893
71: 2,970,914
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77: 2,971,844
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78: 2,982,653
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79: 2,977,231
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80: 2,992,921
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81: 2,975,058
82: 2,969,288
83: 2,990,285
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86: 2,998,318
89: 2,968,561
90: 2,969,289
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94: 2,975,059
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98: 2,967,108
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105: 2,995,448
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107: 2,967,773
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3,012,890
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119: 2,977,232
122: 2,970,917
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123: 2,973,270
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3,006,772
3,010,830
124: 3,007,798
125: 2,973,271
2,973,272
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127: 2,969,290
128: 2,976,154
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134: 2,995,450
2,995,451

79: 2,977,231
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81: 2,975,058
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94: 2,975,059
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119: 2,977,232
122: 2,970,917
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123: 2,973,270
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125: 2,973,271
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127: 2,969,290
128: 2,976,154
131: 2,992,925
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2,995,451

134: 3,006,773
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135: 2,973,273
136: 2,975,064
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138: 2,983,616
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139: 2,968,565
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140: 2,970,919
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143: 2,968,566
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144: 2,983,618
147: 2,975,065
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148: 2,982,656
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162: 2,974,016
163: 2,967,774
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166: 2,971,849
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168: 2,984,572
169: 2,989,401
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171: 2,967,776
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3,008,836
172: 2,975,068
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3,000,744
174: Re.24,992
2,974,017
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175: 2,977,233
176: 2,973,274
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178: 2,967,777
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179: 2,992,119
180: 2,999,758
182: 2,992,928
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186: 2,976,157
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187: 2,979,411
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192: 2,971,852
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193: 2,968,567
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3,012,896
194: 2,988,452
2,993,795
195: 2,987,404
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3,007,802
199: 2,976,158
3,005,719
203: 2,970,057
204: 2,976,159
2,979,412
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205: 2,967,778
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206: 2,967,109
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207: 2,973,276
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209: 2,972,542
210: 2,982,663
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3,014,805
212: 2,990,288
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3,010,832
216: 2,975,069
222: 2,977,235
229: 2,968,570
2,973,277
2,980,544
3,001,879
234: 2,973,705
235: 2,970,532
2,999,449
237: 2,994,261
3,006,269
238.4: 2,972,292
238.5: 2,984,169
244: 2,977,871
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257: 2,984,170
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260: 2,984,171
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262: 2,999,450
278: 3,001,467
283: 2,978,974
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289: 2,971,454
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294: 2,893,217
307: 3,007,392
310: 3,011,428
315: 2,997,940
321: 2,995,998
327: 3,014,419
329: 2,969,010
330: 2,972,293
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331: 2,985,094
3,003,409
332: 2,997,941
3,010,383
337: 2,980,010
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339: 2,980,011
341: 2,985,095
346: 2,966,839
348: 3,005,399
353: 2,980,012
2,999,451

354: 2,966,810
355: 3,013,485
360: 2,968,232
380: 3,003,410
390: 2,975,698
3,010,381
391: 2,989,915
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402: 2,999,452
404: 2,967,474
406: 3,008,404
407: 3,001,468
419: 2,969,011
2,969,012
421: 2,972,942
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423: 3,012,496
425: 3,006,270
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441: 2,966,841
442: 2,975,699
446: 3,008,406
447: 2,985,097

Class 100

4: 2,969,013
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5: 2,968,233
2,971,455
2,975,700
10: 2,972,291
17: 2,977,872
19: 2,981,173
21: 2,981,174
3,005,400
25: 2,985,098
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26: 2,968,234
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27: 2,995,080
28: 2,982,199
29: 3,006,271
37: 2,971,456
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42: 2,997,942
46: 2,978,976
50: 2,986,082
53: 2,982,200
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3,014,420
56: 3,007,394
65: 2,994,262
74: 2,997,943
90: 2,984,172
93: 2,981,175
2,984,173
2,993,432
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3,005,402
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98: 2,987,987
3,003,411
3,005,403
3,011,429
3,011,430
99: 2,982,201
117: 3,003,412
118: 2,987,988
121: 3,000,294
140: 2,984,174
142: 2,977,873
145: 3,002,446
148: 3,009,412
154: 2,986,083
155: 2,997,944
162: 3,011,431
163: 2,971,457
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209: 2,966,842
212: 2,992,606
214: 2,975,701
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258: 2,976,798

293: 3,009,414
295: 2,984,176

Class 101

2: 2,988,984
3: 2,982,202
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4: 3,002,447
5: 2,996,977
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6: 2,976,799
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26: 3,007,395
28: 2,974,583
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32: 2,969,728
35: 2,988,986
2,993,434
37: 2,982,203
2,987,991
39: 2,974,584
40: 2,972,295
41: 3,005,405
42: 3,007,396
57: 3,007,397
66: 2,968,237
2,973,707
2,993,435
3,002,448
67: 2,993,436
88: 3,011,432
91: 2,967,475
2,980,014
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93: 2,969,729
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2,976,800
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96: 2,968,238
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99: 2,975,702
101: 2,986,994
103: 2,983,219
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109: 2,978,978
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110: 2,966,843
114: 2,975,703
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116: 2,975,704
119: 3,002,449
123: 2,966,844
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124: 2,972,943
126: 2,966,845
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127: 3,007,401
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128.1: 2,976,802
128.2: 3,009,416
128.3: 2,969,014
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129: 3,000,298
132: 2,999,453

132.5: 2,967,477
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134.5: 2,967,478
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145: 2,977,874
146: 2,985,102
147: 2,981,180
2,995,084
148: 2,972,944
2,996,981
2,997,950
3,007,403
3,008,407
3,009,417
149.1: 2,986,996
149.2: 2,983,220
2,983,221
2,988,988
2,995,085
3,003,413
3,006,274
3,010,389
3,010,390
3,010,391
149.4: 2,969,015
2,970,534
2,974,585
152: 2,988,989
154: 3,007,404
155: 2,987,993
156: 2,997,951
157: 2,974,586
3,006,275
170: 2,971,458
2,980,015
177: 2,986,085
3,014,421
178: 2,966,846
2,970,535
3,003,414
181: 2,969,733
2,972,297
2,975,706
2,997,952
2,980,016
2,984,179
2,998,768
3,008,410
3,011,437
3,012,498
183: 3,007,406
184: 2,974,587
193: 3,004,486
202: 2,969,016
211: 2,972,298
2,989,917
217: 2,981,181
2,990,768
218: 2,986,086
219: 2,978,979
2,988,990
225: 2,999,455
227: 2,970,536
2,991,712
2,996,001
2,996,982
228: 2,967,479
2,999,456
230: 3,012,500
232: 2,970,537
2,975,707
236: 2,976,803
247: 2,982,204
2,903,439
3,014,422
248: 2,975,708
2,986,997
2,989,918
269: 2,982,205
2,986,087
2,994,265
2,996,002
2,998,767
3,003,415
3,004,487
274: 3,010,392
275: 2,997,953
279: 3,006,276
282: 2,972,945
283: 2,982,206
287: 2,969,734
2,973,709
291: 3,000,299
310: 2,990,769
331: 2,996,003
333: 2,996,004
3,013,488
336: 3,011,434
348: 2,991,713
349: 2,972,299
3,007,407

350: 2,986,088
2,996,005
3,002,451
3,003,416
3,011,435
3,013,489
352: 3,008,408
354: 2,992,609
363: 3,010,393
364: 2,967,480
2,983,222
2,990,770
3,000,300
366: 2,977,875
2,981,182
367: 2,970,538
2,990,771
368: 2,970,539
369: 2,999,457
375: 2,977,876
2,987,994
3,000,301
3,003,417
376: 2,987,995
377: 2,977,877
378: 2,978,980
3,001,472
3,006,277
379: 2,971,459
380: 2,994,266
381: 3,012,501
384: 2,996,983
391: 2,966,847
2,975,709
2,996,984
395: 2,982,207
3,008,409
3,010,394
401.1: 3,011,436
401.2: 3,002,452
402: 3,006,278
404: 2,992,610
407: 2,982,208
409: 2,984,178
3,007,408
412: 2,972,300
415: 2,990,772
415.1: 2,966,818
2,970,540
2,973,710
2,980,016
2,984,179
2,998,768
3,008,410
3,011,437
3,012,498
416: 2,971,460
425: 2,969,735
2,970,541
2,985,103
426: 2,971,461
2,972,301
2,972,302
2,972,303
2,972,304

Class 102

2: 2,969,736
2,984,180
3,002,453
3: 2,984,181
4: 2,981,183
6: 3,005,406
7: 2,966,849
2,966,850
2,989,919
2,994,267
2,994,268
2,998,769
2,998,770
7.2: 2,970,542
2,972,946
2,996,985
3,013,490
8: 3,000,302
10: 2,987,996
11: 2,996,006
13: 2,966,851
2,971,462
3,004,488
14: 2,996,986
3,011,438
3,012,502
15: 2,966,852
16: 2,967,481
2,968,240
2,974,588
2,988,991
2,988,992
17: 2,989,920
18: 2,966,853
2,966,854
2,968,241
2,968,242

18: 2,981,184
2,989,921
2,993,440
3,010,395
3,011,439
3,011,440
3,012,503
20: 2,968,243
2,974,589
2,980,017
2,980,018
2,981,185
2,986,089
2,990,773
2,990,774
2,993,441
2,994,269
3,013,491
3,014,423
21: 3,002,454
21.6: 2,988,993
3,010,396
21.8: 3,008,411
22: 2,966,855
2,982,209
2,992,611
2,996,007
2,999,458
3,000,303
3,006,279
3,014,424
24: 2,988,994
2,997,954
2,999,459
3,013,492
27: 2,982,210
28: 2,974,590
2,974,591
2,977,878
2,980,019
2,981,186
2,986,090
2,987,997
2,991,714
2,991,715
2,995,086
2,996,987
2,999,460
3,009,418
30: 2,995,087
35.6: 3,013,493
38: 2,983,223
2,996,988
3,003,418
3,007,409
39: 2,974,592
2,985,104
3,000,304
42: 2,973,711
2,984,182
2,986,998
43: 2,972,947
2,982,211
3,008,412
45: 2,970,543
46: 3,009,419
3,014,425
49: 2,967,482
2,968,244
2,974,593
2,976,804
2,976,805
2,977,879
2,981,187
2,986,999
50: 2,969,017
2,969,018
2,974,594
2,977,880
2,998,771
3,000,307
3,001,474
3,007,411
51: 2,968,245
52: 2,983,224
56: 2,972,948
2,974,595
2,981,188
2,998,772
3,000,308
3,002,455
3,010,397

Class 102—Con.

59: 3,013,495
63: 2,973,712
64: 3,001,475
66: 2,975,710
67: 2,972,949
3,000,309
68: 2,972,950
70: 2,969,737
2,970,544
2,972,305
2,973,713
2,974,596
2,981,189
2,982,212
2,987,000
2,995,088
2,996,989
3,000,311
3,002,456
3,004,490
3,011,441
70.2: 2,966,856
2,966,857
2,970,545
2,971,463
2,972,306
2,972,951
2,974,597
2,974,598
2,977,881
2,978,981
2,980,020
2,980,021
2,981,190
2,981,191
2,982,213
2,984,183
2,985,105
2,987,998
2,990,776
2,990,777
2,991,716
2,993,442
2,993,443
2,994,271
2,994,272
2,995,089
2,996,008
2,996,990
2,996,991
2,998,773
2,998,774
2,998,775
2,998,776
3,000,312
3,000,313
3,000,314
3,000,315
3,001,476
3,001,477
3,001,478
3,002,457
3,002,458
3,005,407
3,006,280
3,008,415
3,008,416
3,012,504
71: 2,967,483
2,991,717
3,007,412
74: 2,977,882
2,981,184
75: 2,999,461
3,011,442
3,012,505
76: 2,984,185
2,988,995
2,989,923
2,996,009
78: 2,981,192
2,988,996
2,989,924
79: 2,977,883
2,978,982
2,978,983
80: 2,975,711
2,978,984
3,013,496
83: 3,004,491
86.5: 2,998,777
3,003,419
87: 2,967,484
91: 2,991,718
2,995,090
3,003,420
92.5: 2,976,806
2,986,001
2,987,999
3,010,398
93: 2,968,246
2,983,225
2,991,719
93: 2,991,720
2,992,612
2,993,444
2,994,273
2,994,274
2,996,010
2,996,011
2,996,012
2,996,992
2,998,778
2,998,779
3,000,316
3,005,408
3,005,409
98: 2,977,884
2,977,885
2,986,092
2,995,091
2,999,462
3,000,317
3,002,459
3,008,417
3,010,399
3,010,400
3,012,506
3,012,507
3,012,508
3,014,427

Class 103

1: 2,966,858
2,978,985
2,980,002
2,981,193
2,982,214
2,985,106
2,987,001
2,988,000
2,988,997
2,988,998
2,992,613
3,007,413
3,008,418
3,014,428
2: 2,969,738
2,988,999
3: 2,969,739
3,008,419
4: 2,972,952
2,972,953
2,984,186
2,988,001
2,991,721
3,005,410
3,014,429
5: 2,969,019
2,973,714
2,974,599
2,982,215
2,999,463
6: 2,971,464
2,980,023
2,990,778
3,002,460
3,011,443
3,011,444
3,013,497
7: 2,988,002
2,990,779
10: 2,987,002
11: 2,967,485
2,974,600
2,976,807
2,977,886
2,993,445
3,002,461
3,005,411
12: 3,007,414
16: 2,989,000
22: 3,008,420
23: 2,981,194
25: 2,969,740
2,981,195
2,990,780
3,010,401
26: 2,981,196
27: 2,978,986
37: 2,968,247
2,977,887
2,980,024
2,982,216
2,988,003
2,989,001
2,990,781
3,004,492
3,006,281
3,012,509
38: 2,972,307
2,980,025
2,981,197
2,986,003
2,987,003
2,989,002
2,992,614
38: 3,000,318
3,002,462
3,004,493
3,005,412
3,007,415
3,013,498
40: 3,000,319
3,012,510
41: 2,975,712
2,978,987
2,981,198
2,988,004
2,989,003
2,997,956
3,003,421
3,003,422
3,011,445
42: 2,977,888
2,980,026
2,982,217
2,982,218
2,983,226
2,984,187
2,996,013
3,003,423
3,012,511
44: 2,971,465
2,973,715
2,984,188
2,993,446
3,000,320
3,007,416
46: 2,972,955
2,980,027
2,983,227
2,988,005
2,993,447
3,005,413
3,005,414
49: 2,996,014
2,996,993
2,998,781
2,999,464
50: 2,971,466
51: 2,970,546
2,986,094
52: 2,970,547
2,974,601
3,012,512
3,012,513
53: 2,981,199
3,000,321
60: 2,972,956
70: 2,972,957
82: 3,013,499
83: 2,993,448
3,003,424
3,008,421
84: 2,969,020
2,992,615
87: 2,968,248
2,968,249
2,969,741
2,970,548
2,971,467
2,972,308
2,972,309
2,972,310
2,975,713
2,976,808
2,978,988
2,991,722
2,993,449
2,996,994
2,997,957
3,001,479
3,005,415
3,008,422
3,011,446
3,013,500
88: 2,975,714
2,984,189
3,004,494
3,012,514
96: 3,002,463
3,007,417
97: 2,985,107
2,996,995
2,996,996
3,014,430
101: 3,004,495
102: 2,978,989
103: 2,967,486
2,976,809
2,989,925
2,992,617
2,992,618
2,997,958
2,997,959
3,010,402
3,013,501
104: 2,971,468
106: 2,976,810
2,995,092
107: 2,999,465
108: 2,975,715
111: 2,966,859
2,968,250
2,986,095
113: 2,969,742
2,972,958
2,974,602
2,985,108
2,994,275
114: 2,973,716
115: 2,988,006
2,989,004
2,998,782
117: 2,971,469
2,976,811
3,001,480
3,005,416
118: 3,000,322
120: 2,969,021
2,975,716
2,975,717
2,977,889
2,982,219
2,985,109
2,988,007
3,008,423
3,011,447
121: Re.24,975
2,969,743
2,974,603
2,988,008
2,992,616
3,008,424
123: 2,974,604
2,990,782
125: 2,994,276
126: 2,966,860
2,967,487
2,968,251
2,969,744
2,972,959
2,974,605
2,975,718
2,980,028
2,981,200
2,982,220
2,983,228
2,986,096
2,986,097
2,988,009
2,990,783
2,993,450
2,994,277
2,996,015
2,996,997
2,996,998
2,996,999
2,997,960
2,998,783
3,000,323
3,001,481
3,002,464
3,003,425
3,003,426
3,007,418
3,008,425
3,008,426
3,011,448
128: 2,982,221
2,990,466
132: 2,995,093
133: 2,982,222
2,997,000
135: 3,009,420
3,009,421
136: 2,967,488
2,967,489
2,968,252
2,980,029
2,982,223
2,982,224
2,985,110
3,000,324
3,001,482
3,003,427
3,007,419
3,011,449
3,014,431
138: 2,968,253
139: 2,980,030
148: 2,986,098
149: 2,975,719
2,977,890
2,982,225
2,987,004
2,987,005
150: 2,968,254
2,969,745
2,969,746
2,971,470
2,978,990
2,980,031
2,980,032
150: 2,985,111
2,991,723
3,008,427
3,010,403
152: 2,971,471
2,973,717
2,997,961
3,010,404
3,013,502
153: 2,966,861
2,972,960
2,986,099
2,988,010
3,002,465
3,006,282
3,011,450
154: 3,004,496
155: 2,994,278
158: 2,997,962
160: 3,012,515
161: 2,967,490
2,969,022
2,972,311
2,972,961
2,977,891
2,989,005
3,006,283
3,010,405
162: 2,967,491
2,972,962
2,975,720
2,987,006
2,990,784
2,992,619
3,006,284
3,007,420
3,009,422
163: 2,981,201
2,988,011
166: 3,011,451
173: 3,011,452
3,011,453
175: 3,003,428
178: 2,968,255
2,984,190
179: 2,975,721
2,976,812
2,994,279
2,997,963
184: 2,985,112
188: 3,003,429
202: 2,968,256
203: 3,004,497
205: 3,008,428
207: 2,990,785
216: 2,976,813
3,008,429
219: 2,972,963
225: 2,975,722
2,991,724
2,997,964
3,002,466
3,009,423
220: 2,994,280
231.5: 2,975,723
232: 2,975,724
3,010,406
233: 2,982,226
2,983,229
235: 2,976,814
3,013,503
238: 3,005,417
3,014,432
255: 2,969,747
262: 2,973,718
2,980,033
271: 2,969,748
2,987,007

Class 104

2: 2,974,606
2,997,001
7: 2,974,607
2,990,786
2,990,787
2,993,451
9: 2,975,725
2,975,726
2,989,926
2,991,725
3,000,325
12: 2,969,749
2,971,472
2,972,964
2,973,719
2,976,815
2,976,816
2,986,100
2,996,016
2,999,467
3,000,326
3,000,327
3,000,328
12: 3,011,454
3,012,516
17: 2,989,927
3,010,407
3,010,408
20: 2,973,720
25: 2,981,202
26: 2,976,817
2,977,892
28: 3,012,517
31: 2,980,034
36: 2,987,008
50: 2,970,549
2,997,002
3,006,285
61: 2,994,281
63: 3,006,286
70: 2,991,726
72: 3,003,430
88: 2,989,928
89: 2,972,965
91: 2,975,727
93: 2,976,818
2,988,012
2,997,003
94: 2,981,203
3,004,498
3,008,430
95: 2,974,608
96: 2,969,750
2,982,227
2,988,013
2,989,006
3,011,455
98: 3,008,431
100: 3,006,287
102: 2,966,862
2,996,017
112: 2,987,009
114: 3,012,518
119: 2,992,620
3,002,467
120: 2,997,965
3,012,519
121: 3,002,468
126: 2,990,788
2,995,094
3,000,329
130: 2,977,893
2,997,004
3,013,504
134: 2,971,473
3,013,505
135: 3,010,409
137: 3,010,410
138: 3,006,288
162: 2,981,204
2,987,010
2,988,014
2,994,282
2,994,283
3,009,424
3,013,506
170: 2,966,863
172: 2,971,474
2,973,721
2,977,894
2,982,228
2,987,011
2,987,012
3,006,289
3,011,456
3,011,457
173: 2,981,205
2,982,229
3,001,483
178: 2,972,312
2,975,728
2,975,729
202: 2,977,895
235: 3,012,520
247: 2,972,966
249: 3,004,499
254: 2,991,727
273: 2,980,035

Class 105

3: 2,996,018
4: 2,989,929
2,992,621
29: 2,971,475
49: 3,009,425
50: 2,970,550
61: 2,977,896
2,980,036
66: 3,007,421
74: 2,969,751
90: 2,989,007
97: 3,014,433
114: 2,985,113
133: 2,971,476
2,971,477
138: 2,976,819
141: 2,976,820
2,985,114
3,012,521
145: 2,987,013
3,001,484
3,014,434
148: 3,003,431
150: 2,968,257
151: 2,978,991
153: 2,974,609
154: 2,978,992
159: 2,985,115
2,991,728
162: 3,012,522
163: 2,984,191
2,997,005
2,997,966
169: 2,968,258
171: 2,973,722
174: 2,994,284
178: 2,973,723
180: 2,977,897
3,008,432
182: 2,981,206
2,988,015
3,003,432
3,013,507
187: 2,981,207
190: 2,968,259
3,014,435
193: 2,996,019
196: 3,011,458
197: 2,972,967
2,974,610
2,976,821
2,976,822
2,981,208
2,985,116
2,986,101
2,988,016
3,005,418
3,006,290
3,012,523
200: 2,972,313
2,972,314
206: 3,000,330
215: 2,968,260
2,981,209
2,986,102
3,002,469
3,003,433
3,010,411
221.1: 2,991,729
240: 2,991,730
248: 2,989,930
250: 3,002,470
253: 2,970,551
2,989,008
263: 3,008,433
282: 2,989,931
2,993,452
315: 2,983,230
2,995,095
340: 2,977,898
354: 2,974,611
366: 2,985,117
367: 2,996,020
3,009,426
368: 2,967,492
2,969,023
2,970,552
2,971,478
2,981,210
2,991,731
2,991,732
2,996,021
3,003,434
3,003,435
3,012,524
369: 2,973,724
2,974,612
2,975,730
2,976,823
2,976,824
2,977,899
2,980,037
2,982,230
2,983,231
2,983,232
2,987,014
2,988,017
2,988,018
2,988,019
2,988,020
2,989,009
2,989,010
2,994,285
2,999,468
3,007,422
3,014,436
374: 2,978,993
376: 2,978,994
2,989,011
3,005,419

376: 3,007,423
377: 2,977,900
2,985,118
2,997,967
378: 3,013,508
401: 2,978,995
409: 2,991,733
410: 2,970,553
418: 2,969,752
422: 2,991,734
454: 3,003,436
458: 3,004,500

Class 106

1: 2,984,575
2,991,614
2: 2,980,471
3,002,840
8: 2,970,059
12: 2,999,025
14: 2,968,571
2,997,398
3,004,854
15: 2,970,923
2,978,338
2,989,406
2,991,182
3,005,720
17: 2,989,407
18: 2,991,183
19: 2,986,472
3,011,899
22: 2,980,545
23: 2,992,121
2,999,026
26: 3,010,833
30: 2,991,184
35: 2,997,399
38.22: 2,988,454
38.24: 2,976,160
38.25: 2,977,237
38.3: 3,007,803
38.4: 3,010,834
38.5: 2,974,048
2,974,049
2,974,050
2,977,236
2,988,453
38.7: 2,993,796
38.9: 2,997,400
39: 2,980,546
2,982,664
2,992,929
2,995,453
3,000,745
3,002,841
3,003,885
3,006,775
3,007,804
40: 2,978,339
2,978,340
2,992,930
3,010,835
41: 2,996,389
42: 2,979,413
2,992,931
44: 2,979,414
3,007,805
47: 2,976,161
2,980,547
2,996,390
2,996,391
2,996,392
2,996,393
2,999,027
3,002,842
3,005,721
3,009,819
48: 2,972,543
2,974,051
2,998,320
49: 2,969,293
2,975,070
2,992,932
50: 2,978,341
3,001,880
3,007,806
3,013,888
52: 2,970,924
2,971,853
2,974,052
2,991,185
3,001,881
3,003,886
53: 2,972,544
2,992,122
2,997,401
54: 2,967,779
2,971,854
3,005,722
3,006,776
3,008,841
3,010,836
55: 2,984,576
56: 2,989,408
3,010,837
58: 2,999,759
3,008,842
60: 3,014,806
63: 2,997,402
65: 2,984,577
67: 3,003,887
68: 2,990,289
69: 2,973,278
71: 2,970,060
2,970,061
2,976,162
2,983,620
72: 2,987,405
73: Re.25,055
74: 2,968,572
77: 2,995,454
88: 2,979,415
90: 3,008,843
94: 3,000,746
95: 2,996,394
97: 2,987,406
2,987,407
3,002,843
3,006,777
98: 2,987,408
2,991,186
100: 2,970,925
2,991,187
103: 2,995,455
109: 2,967,780
111: 2,980,548
120: 3,001,882
123: 2,970,062
2,978,342
2,985,535
3,006,778
3,009,820
128: 2,978,343
3,010,838
129: 3,002,844
141: 2,976,163
142: 2,996,395
150: 2,999,028
154: 2,992,933
162: 2,989,409
3,001,883
163: 2,968,573
2,968,574
2,976,161
2,984,578
2,984,579
2,984,580
2,984,581
2,993,797
3,011,900
164: 3,005,723
165: 2,977,238
2,989,410
2,993,738
169: 2,988,455
2,992,934
171: 2,970,926
2,983,621
176: 2,971,855
2,985,536
2,987,409
177: 2,972,545
180: 3,000,747
3,000,748
181: 3,003,888
184: 2,999,760
186: 2,990,200
2,999,029
187: 2,974,053
188: 3,001,884
3,003,889
189: 3,001,885
192: 2,990,291
193: 2,978,344
2,978,345
2,989,411
2,993,799
2,997,403
3,008,844
195: 3,014,807
196: 2,972,546
197: 3,014,808
205: 2,997,404
206: 2,967,110
208: 2,970,063
210: 2,999,030
213: 2,994,615
2,999,031
2,999,032
2,999,761
3,004,855
236: 2,989,412
238: 2,985,537
243: 2,995,456
252: 2,978,346
2,996,396
253: 2,996,397
260: 2,975,071
266: 2,970,927
2,972,547
269: 2,973,279
2,996,398
2,996,399
3,014,809
270: 2,967,781
2,985,538
3,004,856
271: 2,993,800
273: 2,987,410
2,999,033
281: 2,973,280
284: 2,973,281
2,992,935
286: 2,998,321
3,003,890
3,010,839
287: 2,968,575
2,972,548
2,995,457
288: 2,974,054
2,977,239
2,981,630
2,987,411
2,992,936
2,995,458
3,000,749
3,002,845
289: 3,013,889
290: 2,995,459
292: 3,004,857
297: 2,985,539
299: 2,992,123
3,011,901
3,012,898
300: 2,977,240
3,004,858
301: 3,008,845
3,012,899
302: 2,987,412
304: 3,005,724
3,009,821
306: 3,006,779
307: 3,005,725
3,011,902
308: 2,973,282
2,978,347
2,982,665
2,982,666
2,994,616
3,000,750
3,004,859
3,014,810
309: 2,999,762
3,002,846
311: 2,967,782

Class 107

1: Re.25,072
2,967,493
2,969,753
2,972,315
2,973,725
2,978,996
2,982,231
2,989,932
2,993,453
3,000,331
3,013,509
3,014,437
4: 2,976,825
7: 2,969,024
8: 2,969,025
2,977,901
2,982,232
2,987,015
2,998,784
3,003,437
3,005,420
3,006,291
9: 2,988,021
3,004,501
12: 2,991,735
2,998,785
3,002,471
3,003,438
3,014,438
14: 2,974,613
2,974,614
2,981,211
2,981,212
2,982,233
2,983,233
2,984,192
2,995,096
2,997,968
2,999,469
3,001,485
3,003,439
3,008,434
17: 2,970,554
19: 2,980,039
2,994,286
29: 2,969,026
2,975,731
40: 3,001,486
44: 3,010,412
46: 2,968,261
2,984,193
48: 2,970,555
2,974,615
2,990,789
3,005,421
49: 2,998,786
50: 3,010,413
52: 2,968,262
54: Re.25,051
2,975,732
2,975,733
2,982,234
2,985,119
2,987,016
2,996,022
3,009,427
57: 2,980,038
60: 2,986,103
3,006,292
69: 2,977,902
2,987,017

Class 109

1: 2,967,494
3,008,435
4: 2,984,194
19: 2,980,040
34: 2,973,726
63.5: 2,966,864

Class 110

1: 2,988,022
2,997,006
3,003,440
7: 2,966,865
8: 2,977,903
2,983,234
2,988,023
2,993,454
3,001,487
9: 2,995,097
18: 2,971,479
2,978,997
2,978,998
2,978,999
2,985,120
2,989,933
2,997,007
22: 2,967,495
28: Re.25,086
2,971,480
2,973,727
2,979,000
2,982,235
38: 2,967,496
2,982,236
49: 3,003,441
74: 3,014,439
97: 2,983,235
98: 2,994,287
99: 2,975,734
2,982,237
2,984,195
2,985,121
2,991,736
2,994,288
2,997,008
3,005,422
3,005,423
3,005,424
3,012,525
3,013,510
101: 3,007,424
104: 3,006,293
105.5: 2,990,790
106: 3,002,472
162: 2,990,791
176: 3,001,488
179: 2,988,024
3,004,502
3,014,440

Class 111

2: 3,002,473
3,014,441
3: 2,980,041
3,005,425
5: 2,972,968
2,980,042
2,989,012
6: 2,973,728
2,975,735
2,988,025
3,012,526
7: 2,973,729
2,988,026
8: 2,987,018
11: 2,974,616
63: 3,005,426
64: 2,981,213
67: 2,968,264
2,968,265
2,976,826
77: 2,980,043
80: 2,968,266
87: 3,014,442
92: 3,014,443

Class 112

2: 2,976,827
2,977,904
2,982,238
2,983,236
2,985,122
2,989,013
2,993,455
3,001,489
3,006,294
3,009,428
3,010,414
3,011,459
3: 2,976,828
11: 2,983,237
18: 2,969,028
25: 3,007,425
26: 2,969,470
36: 2,972,316
2,979,001
44: 3,002,474
46: 3,006,295
52: 2,972,969
57: 2,986,104
58: 2,981,214
60: 3,002,475
67: 2,985,123
76: 2,981,215
2,986,105
77: 2,983,238
3,001,490
79: 2,966,866
2,975,736
2,976,829
2,977,905
2,982,239
2,982,240
2,984,196
2,985,124
2,987,019
2,989,014
2,990,792
2,991,737
2,991,738
2,997,009
3,006,296
3,013,511
79.5: 2,977,906
100: 2,996,023
102: 2,995,098
103: 2,989,015
104: 3,008,436
109: 2,994,289
110: 2,989,934
112: 2,969,755
113: 2,967,497
2,971,481
130: 3,011,460
132: 3,000,332
134: 2,977,907
2,988,027
135: 2,983,239
2,985,125
3,014,444
136: 2,981,216
137: 2,966,867
147: 2,972,317
2,972,318
151: 2,986,106
153: 2,977,908
3,011,461
154: 2,980,044
158: 2,966,868
2,966,869
2,969,756
2,971,482
2,972,319
2,976,830
2,979,002
2,983,240
2,986,107
2,989,016
2,990,793
2,999,471
3,000,333
3,001,491
3,003,442
3,005,427
3,006,297
3,009,429
3,012,527
3,012,528
3,013,512
160: 3,004,503
162: 2,973,730
2,973,731
3,009,430
163: 2,973,732
168: 2,999,472
169: 2,988,028
171: 3,009,431
174: 3,000,334
181: 3,012,529
3,012,530
186: 3,001,492
187: 2,989,017
192: 3,006,298
196: 2,966,870
197: 2,975,737
200: 2,998,787
203: 3,004,504
3,013,513
205: 2,971,483
207: 2,967,498
209: 2,974,617
210: 2,970,556
2,982,241
2,996,024
3,011,462
3,012,531
212: 3,009,432
214: 3,003,443
215: 2,970,557
2,972,320
219: 2,967,499
2,987,020
3,009,433
220: 2,971,484
2,976,831
2,988,029
3,001,493
222: 3,005,428
224: 3,002,476
226: 2,973,733
228: 2,988,030
2,990,794
231: 2,974,618
233: 2,975,738
235: 2,968,267
2,973,734
2,985,126
2,991,739
3,002,477
3,003,444
3,005,429
3,006,299
239: 2,990,795
240: 2,985,127
241: 2,977,909
243: 2,969,757
248: 2,968,268
252: 2,968,269
2,989,935
2,999,473
3,006,300
3,008,437
253: 2,988,031
254: 2,993,456
2,997,010
256: 2,977,910
2,999,474
3,008,438
258: 2,971,485
2,980,045
2,987,021
3,007,426
3,012,532
260: 2,975,739
2,977,911
2,983,241
3,006,301
3,011,463
3,013,514
262: 2,977,912
2,982,242
2,989,018
3,002,478
3,003,445
3,005,430
3,006,302
264: 2,977,913
265: 2,969,029
2,979,003

Class 113

1: 2,998,788
3,000,335
3,006,303
7: 3,000,336
8: 3,000,337
12: 3,014,445
17: 2,975,740
19: 3,006,304
24: 2,966,871
2,993,457
32: 2,969,030
2,970,558
33: 2,977,914
34: 2,967,500
3,003,446
35: 2,991,740
38: 2,976,832
3,006,305
3,011,464
40: 3,010,415
42: 2,975,741
2,979,004
2,985,128
3,003,447
43: 2,968,270
44: 2,966,872
2,966,873
3,969,031
2,969,758
2,983,242
3,005,431
3,006,306
3,007,427
48: 2,973,735
49: 2,980,046
2,996,025
2,997,969
3,002,479
3,011,465
51: 2,972,321
2,972,971
2,975,742
2,977,915
2,988,032
2,989,019
2,989,936
53: 2,975,743
60: 3,000,338
93: 2,986,108
99: 2,979,005
2,998,789
3,002,480
102: 2,977,916
3,008,439
103: 2,987,022
109: 2,987,023
2,995,099
110: 3,000,339
3,002,481
111: 2,985,129
116: 2,971,486
2,973,736
2,975,744
2,977,917
2,993,458
3,001,494
3,001,495
3,001,496
3,008,440
3,008,441
3,014,446
118: 2,977,918
2,988,033
3,011,466
119: 2,996,026
120: 2,966,874
3,000,340
3,005,432
121: 3,005,433
122: 3,000,341
126: 3,004,505
128: 2,975,745
3,014,447
129: 3,000,342
130: 3,007,428
136: 3,001,497

Class 114

5: 2,987,024
2,990,796
2,990,797
3,012,533
5: 2,993,459
16: 2,969,032
2,972,972
2,980,047
2,989,937
3,003,448
3,014,448
20: 2,967,502
2,969,759
2,974,619
2,975,746
2,977,919
3,001,498
3,004,506
3,004,507
3,005,434
23: 2,974,620
2,979,006
2,987,025
2,991,741
2,991,742
2,995,100
2,995,101
2,997,970

Class 114—Con.

23: 2,997,971
3,003,449
3,004,508
3,010,416
3,010,417
24: 2,974,621
2,986,109
2,986,110
25: 2,969,033
2,974,622
2,974,623
2,980,048
2,982,243
2,995,102
2,996,027
2,996,028
2,996,029
2,997,972
3,002,482
3,002,483
3,003,450
31: 3,010,418
39: 3,008,442
40: 2,995,103
3,009,434
43.5: 2,972,973
2,991,743
3,000,343
3,003,451
3,011,467
46: 2,977,920
50: 2,989,938
53: 2,987,026
54: 2,969,031
56: 2,974,624
2,989,939
2,991,744
2,995,101
3,010,419
57: 3,014,449
61: 2,968,271
2,975,747
2,988,034
2,998,790
3,002,481
66.5: 2,967,504
2,969,760
2,971,487
2,972,974
2,984,197
2,985,130
2,991,745
2,991,746
2,991,747
2,996,030
2,998,791
2,998,792
3,001,499
3,002,485
3,006,307
3,013,515
67: 2,988,035
2,999,475
3,001,500
72: 2,972,975
2,979,007
2,985,131
2,988,036
3,003,452
73: 2,997,011
74: 2,968,272
2,970,559
2,979,008
2,979,009
2,984,198
2,992,622
2,993,460
2,997,973
2,998,793
3,001,501
3,004,509
78: 2,981,217
98: 2,973,737
102: 2,984,199
3,006,308
103: 2,971,488
121: 2,984,200
122: 2,987,027
126: 2,969,035
2,972,322
2,979,010
2,991,748
2,998,794
3,004,510
132: 2,991,749
140: 2,980,049
142: 2,997,974
144: 2,976,835
145: 2,991,200
2,998,795
148: 3,002,486
3,008,443
153: 2,968,273
2,988,037
154: 2,971,489
160: 3,007,429
162: 2,972,323
163: 2,972,324
3,009,435
165: 2,992,623
166: 2,986,111
167: 2,996,031
3,001,502
177: 2,981,218
179: 2,977,921
183: 2,969,761
2,977,922
2,979,011
2,984,201
2,990,798
2,997,975
3,007,430
185: 2,966,875
2,999,020
3,004,511
3,011,468
200: 2,991,291
202: 2,979,012
2,996,032
3,007,431
206: 2,993,461
208: 2,980,050
2,980,051
2,981,219
2,982,244
2,985,132
2,987,028
2,990,799
2,990,800
2,991,292
210: 2,975,748
215: 2,986,112
218: 2,990,801
2,994,293
219: 2,990,802
3,013,516
220: 3,005,435
221: 2,979,013
3,005,436
222: 3,010,420
230: 2,979,014
2,983,213
2,990,803
2,996,033
3,013,517
231: 3,005,437
235: 2,967,504
2,969,036
2,972,325
2,974,625
2,980,052
2,981,220
2,984,202
2,987,029
2,992,624
2,998,796
3,003,453
3,005,438
3,006,309
3,011,469
3,012,534
238: 2,980,053
210: 2,967,505
2,967,506
2,968,274
2,969,762
2,971,499
2,979,015

Class 115

.5: 2,976,831
2,997,012
3,002,487
1: 2,967,507
2,979,016
2,980,054
2,981,221
2,991,294
4: 2,996,034
6.1: 2,972,326
2,998,797
3,007,432
9: 2,991,750
3,003,454
11: 2,983,244
2,993,462
2,997,013
12: 2,988,038
3,003,455
13: 2,974,626
16: 2,993,463
3,009,436
17: Re.25,048
2,979,017
2,984,203
2,997,014
17: 3,002,488
3,003,456
18: 2,969,763
2,981,222
2,989,021
2,993,464
2,996,035
3,002,489
3,007,433
3,013,518
20: 2,974,627
22.2: 2,975,749
23: 2,998,798
3,006,310
24: 3,010,421
25: 3,003,457
26: 2,976,835
2,990,804
26.3: 2,983,245
2,990,805
28: 2,987,030
29: 2,979,018
31: 3,007,434
34: 2,974,628
2,977,923
2,979,019
3,003,458
3,010,422
35: 2,972,327
2,972,976
2,976,836
2,988,039
2,999,476
3,006,311
3,010,423
3,013,519
37: 2,987,031
2,989,022
41: 2,996,876
2,969,764
2,972,328
2,973,738
2,975,750
3,008,444
3,008,445
3,010,424
42: 2,972,977
2,983,246
2,985,133
2,997,015
63: 3,013,520
70: 2,969,037

Class 116

28: 2,984,204
2,986,113
2,998,799
3,007,435
3,012,535
3,013,521
3,013,522
31: 3,008,446
34: 2,967,508
2,967,509
2,997,976
9: 2,992,937
10: 2,971,856
2,971,857
3,002,848
12: 2,971,858
2,974,057
13: 3,000,751
14: 2,989,414
15: 2,974,058
2,976,165
2,983,622
16: 2,978,349
2,986,473
2,992,938
3,011,904
17: 2,970,928
2,970,929
2,992,126
2,995,463
3,000,752
17.5: 2,995,464
2,996,460
3,003,891
3,004,860
3,013,890
18: 2,978,350
3,000,753
3,004,861
3,006,780
19: 3,013,891
21: 2,972,550
2,974,059
2,974,060
2,981,631
2,987,413
2,992,127
3,000,754
3,002,849
3,010,840
3,012,901
124: 2,989,024
2,991,751
2,995,105
3,002,490
3,007,437
3,012,537
124.1: 2,970,562
124.4: 2,983,248
129: 2,980,056
2,984,206
2,988,041
2,995,106
2,999,478
3,001,503
130: 2,968,276
132: 3,014,450
133: 3,806,315
134: 3,002,491
135: 2,994,296
3,010,425
136: 2,992,625
136.5: 2,991,752
3,005,439
3,010,426
137: 2,968,277
2,971,491
2,973,739
2,975,751
2,979,022
2,987,033
3,004,512
3,009,438
148: 2,974,630
169: 3,012,538

Class 117

1: 3,001,886
3,001,887
2: 2,979,416
3,011,903
3: 2,978,348
3.2: 2,989,413
4: 2,972,549
2,974,055
2,991,617
2,995,460
2,997,405
3,012,900
5.1: 2,990,292
5.5: 2,970,064
2,991,188
2,995,461
2,999,034
3,002,847
6: 2,991,189
7: 2,982,667
2,992,124
2,992,125
2,993,801
8: 2,970,065
2,974,056
2,991,190
2,995,462
3,014,811
9: 2,992,937
10: 2,971,856
2,971,857
3,002,848
12: 2,971,858
2,974,057
13: 3,000,751
14: 2,989,414
15: 2,974,058
2,976,165
2,983,622
16: 2,978,349
2,986,473
2,992,938
3,011,904
17: 2,970,928
2,970,929
2,992,126
2,995,463
3,000,752
17.5: 2,995,464
2,996,460
3,003,891
3,004,860
3,013,890
18: 2,978,350
3,000,753
3,004,861
3,006,780
19: 3,013,891
21: 2,972,550
2,974,059
2,974,060
2,981,631
2,987,413
2,992,127
3,000,754
3,002,849
3,010,840
3,012,901
22: 2,991,191
2,991,192
2,996,401
2,998,322
23: 2,976,166
24: 3,013,892
3,014,812
26: 2,993,802
27: 3,013,893
29: 2,992,128
31: 2,972,551
2,989,415
32: 2,978,351
33: 2,976,167
2,999,763
3,002,850
3,013,894
33.3: 2,970,066
2,982,668
2,989,416
3,011,905
3,012,902
33.5: 2,967,111
2,970,930
2,971,859
2,980,549
2,980,550
2,982,669
2,987,414
2,987,415
2,996,402
2,996,403
2,996,404
2,998,323
3,006,781
3,014,813
34: 2,967,783
2,976,168
2,989,417
2,993,803
2,996,405
3,002,851
35: 2,967,112
2,988,456
2,996,406
3,010,841
35.5: 2,970,931
36: 2,967,781
2,967,785
2,978,352
2,980,551
2,981,582
2,995,465
2,995,466
2,999,035
37: 2,976,169
2,978,353
3,001,888
3,005,726
3,010,842
3,013,923
38: 3,009,822
3,009,823
3,013,895
39: 2,981,632
41: 2,982,670
43: 2,999,036
3,013,896
45: 2,970,932
2,971,860
2,992,129
46: 2,967,113
2,967,114
2,967,115
2,972,552
2,993,804
3,004,869
3,006,782
3,012,903
3,013,897
47: 2,968,576
2,972,553
2,978,354
2,998,324
2,999,764
3,003,892
49: 2,967,786
2,968,577
2,976,170
3,013,898
50: 2,977,241
2,981,633
2,981,634
2,990,293
3,010,843
3,013,904
51: 2,978,355
3,000,755
3,000,756
3,001,889
3,010,844
3,013,899
53: 2,976,171
54: 2,968,578
2,971,861
3,006,783
3,008,846
61: 2,971,862
2,982,671
3,004,862
62: 2,967,787
2,970,067
2,974,061
2,978,356
2,981,635
2,983,623
2,993,805
63: 2,992,130
3,000,757
64: Re.25,039
2,977,242
2,977,243
2,987,416
2,997,406
2,998,325
3,013,900
65: 2,982,672
65.2: 2,979,417
2,982,673
3,009,824
66: 2,996,407
2,998,326
3,007,807
68: 2,975,072
2,980,552
2,983,624
2,988,457
2,991,193
2,995,467
2,998,327
3,007,808
68.5: 2,971,863
69: 2,987,417
70: 2,976,173
2,980,553
2,981,636
2,989,418
2,992,131
2,995,468
2,998,328
3,011,908
71: 2,970,068
2,970,933
2,973,283
2,975,073
2,977,244
2,989,419
2,993,806
2,996,408
3,010,845
72: 2,977,245
2,979,418
2,979,419
2,979,420
2,984,583
2,987,418
2,992,132
2,993,807
3,000,758
3,007,809
3,008,847
3,008,848
3,011,909
3,013,901
73: 3,011,910
75: 2,978,357
2,990,294
2,992,939
3,010,846
76: 2,972,554
2,973,284
2,974,062
2,974,063
2,975,074
2,977,246
2,980,554
2,981,637
2,983,625
2,984,584
2,984,585
2,985,540
2,989,420
2,992,133
2,999,765
3,005,727
3,013,902
3,013,903
3,013,904
93: 2,976,174
2,976,175
2,987,419
2,988,458
2,993,808
2,994,618
2,998,329
3,001,890
3,001,891
94: 2,967,788
2,978,358
2,986,474
2,999,766
3,004,863
3,010,847
96: 3,007,810
3,011,911
97: 2,976,176
3,000,759
3,007,811
3,008,849
98: 2,992,940
2,996,409
100: 2,967,789
2,979,421
2,986,475
2,986,476
2,993,467
2,993,809
3,009,825
3,009,826
3,009,827
102: 2,967,116
2,988,459
2,991,194
2,992,941
2,995,469
3,004,864
104: 2,978,360
3,004,865
3,014,814
106: 2,967,117
2,972,555
2,972,556
2,973,285
2,974,064
2,979,422
2,983,626
2,989,421
2,990,295
2,995,470
2,995,471
3,001,892
3,002,852
3,011,912
3,012,905
3,014,815
107: 2,975,075
2,996,410
3,004,866
3,012,906
109: 2,999,767
111: 2,977,247
2,981,638
2,989,422
3,000,760
3,002,853
3,011,913
113: 2,981,639
2,992,134
3,011,914
114: 2,992,135
118: 3,005,728
3,013,906
119: 3,009,828
119.2: 2,969,294
2,976,177
119.8: 2,974,065
120: 2,991,195
3,011,915
121: 2,968,579
2,999,768
3,002,854
3,012,907
122: Re.24,953
2,973,286
2,976,178
2,979,423
2,986,477
2,987,420
2,988,460
2,988,461
2,990,769
3,004,867
3,008,850
123: 2,982,674
3,002,855
3,007,812
124: 2,971,864
2,975,076
3,000,761
3,002,856
126: 2,977,248
2,984,586
2,991,196
2,994,619
3,002,857
3,007,813
3,009,829
3,010,848
127: 2,976,179
2,978,361
3,005,729

129: 3,014,816
130: 2,969,295
2,971,865
2,976,180
2,976,181
2,990,296
2,993,810
2,999,770
3,014,817
131: 2,991,197
132: 2,970,069
2,970,070
2,992,136
2,992,137
2,998,330
2,999,771
134: 3,013,907
135: 3,003,893
135.5: 2,968,580
2,976,182
2,977,249
2,978,362
2,997,407
137: 2,986,478
2,990,297
2,992,942
2,994,620
3,012,908
138.5: 2,976,183
2,977,250
2,981,640
2,985,541
3,012,909
3,012,910
138.8: 2,973,287
2,976,184
2,976,185
2,978,359
2,980,556
2,983,627
2,985,542
2,991,198
2,991,199
2,999,772
3,002,858
3,008,851
3,011,916
139.4: 2,987,421
2,992,138
3,004,870
139.5: 2,968,581
2,974,066
2,976,186
2,983,628
2,984,587
2,985,543
2,986,479
2,990,298
2,990,299
2,992,943
2,993,811
2,999,773
2,999,774
3,000,762
3,009,830
3,010,849
3,011,917
140: 2,996,411
3,001,868
3,012,911
141: 2,975,077
2,980,557
2,992,944
3,005,730
142: 3,013,908
143: 2,985,544
2,985,545
2,985,546
2,988,462
3,002,859
3,004,871
144: 2,968,582
3,000,763
3,009,831
145: 2,989,423
3,012,912
148: 2,983,629
2,983,630
152: 2,980,558
154: 2,982,675
155: 2,995,472
2,999,038
3,002,860
157: 2,993,812
160: 2,977,251
2,985,547
161: 2,984,588
2,993,813
3,006,784
3,009,832
3,009,833
168: 3,012,913
169: 2,991,200
2,991,201
3,002,861

200: 2,969,296
2,983,631
2,989,424
2,990,300
2,998,331
201: 2,993,814
2,994,621
2,995,473
2,997,408
2,997,409
3,011,918
202: 3,004,872
204: 3,004,873
205: 2,983,632
206: 3,004,874
207: 2,990,301
211: 2,971,867
2,977,252
2,987,422
2,995,474
3,004,875
3,005,731
3,010,850
3,011,919
212: 2,976,188
2,981,589
2,993,815
2,998,332
213: 2,968,583
2,995,475
3,011,920
215: 2,978,363
2,992,139
3,009,834
217: 2,975,078
2,987,423
3,001,893
3,006,785
219: 3,006,786
221: 2,985,548
2,996,412
226: 2,993,816
3,002,862
227: 2,978,364
2,979,424
2,986,480
3,014,818
228: 2,975,079
232: 2,984,590
2,994,623
2,994,624
3,006,787

Class 118

1: 2,997,016
2: 2,971,492
2,996,036
3,001,504
3,004,513
3: 3,007,438
7: 2,988,042
8: 2,966,880
2,977,924
2,977,925
2,989,940
2,998,800
3,003,459
3,004,514
3,013,525
11: 2,966,881
2,985,135
2,986,114
2,992,626
3,006,316
12: 2,988,043
13: 2,975,752
16: 2,995,107
19: 2,970,563
24: 3,014,451
33: 3,014,452
43: 2,979,023
2,989,025
48: 2,986,115
2,989,941
2,990,807
2,994,297
49: 2,972,330
2,975,753
2,983,249
2,989,026
2,996,037
2,997,979
3,000,346
50: 2,996,038
57: 2,989,942
58: 3,008,447
3,014,453
63: 2,981,223
2,981,224
64: 2,989,027
65: 2,981,225
68: Re.24,985
69: 2,982,245
70: 2,974,631

78: 2,987,031
2,997,017
105: 2,977,926
108: 2,998,801
125: 2,986,116
3,008,448
203: 2,977,927
208: 2,987,035
212: 3,001,505
3,006,317
3,008,449
217: 3,006,318
223: 2,980,057
227: 2,981,226
236: 2,966,882
3,003,460
243: 3,010,427
245: 3,000,347
246: 3,000,348
249: 2,970,564
3,013,526
257: 2,968,278
260: 2,996,039
262: 2,991,753
3,013,527
264: 3,000,349
3,009,440
266: 3,003,461
268: 2,987,036
270: 3,004,515
300: 2,993,468
301: 2,996,010
302: 3,013,528
303: 2,973,740
2,993,469
314: Re.24,923
2,989,943
316: Re.24,961
318: 3,001,506
319: 2,976,837
321: 2,976,838
2,977,928
324: 3,009,439
401: 2,977,929
2,983,250
3,001,507
407: 2,968,279
2,975,754
2,993,470
411: 3,007,439
412: 3,005,440
3,014,454
413: 2,992,627
417: 3,001,508
419: 2,989,944
429: 2,969,038
500: 2,977,930
2,979,024
2,994,298
3,004,516
503: 2,969,766
3,001,509
3,007,440
505: 2,979,025
2,996,041
602: 2,989,028
612: 2,997,018
624: 2,976,839
2,996,042
3,009,441
626: 2,975,755
3,009,442
3,010,428
3,011,472
627: 2,975,756
2,975,757
3,004,517
637: 2,972,331
2,972,332
2,974,632
2,975,758
2,979,026
2,987,037
2,991,754
2,995,108
2,998,802
3,003,462
3,011,473
3,011,474
640: 2,989,029

Class 119

1: 2,969,767
2,971,493
2,976,840
2,980,058
2,981,227
2,985,136
2,990,808
2,997,019
2,999,479
3,006,319
3,007,441

2: 2,981,228
2,984,207
3: 2,982,246
4: 2,989,945
5: 2,968,280
14.03: 2,969,039
14.05: 3,008,450
14.11: 2,982,247
14.18: 2,997,020
14.38: 2,986,117
14.46: 2,986,118
14.52: 2,997,980
14.54: 3,014,455
15: 2,979,027
2,988,044
15.5: 3,007,442
17: 2,970,565
2,983,251
18: 2,968,281
2,970,566
2,987,038
3,002,492
20: 2,966,883
2,993,471
3,002,493
3,011,475
21: 2,969,040
22: 2,966,884
2,970,567
2,973,741
2,987,039
29: 2,969,768
2,988,045
3,011,476
32: 2,985,137
37: 2,980,059
2,997,021
3,006,320
43: 3,003,463
45: 2,972,333
48: 2,973,742
3,002,494
3,011,477
49: 2,992,628
50: 2,975,759
51: 2,966,885
2,972,334
2,974,633
2,984,208
2,989,946
3,007,443
51.5: 2,972,979
52: 2,970,568
2,974,634
2,984,209
2,987,040
2,987,041
2,988,046
2,988,047
2,994,299
2,995,109
3,003,464
53: 3,012,539
3,013,529
55: 2,997,981
3,009,443
56: 2,969,769
2,981,229
58: 3,004,518
61: 2,995,110
2,997,022
3,006,321
71: 2,966,886
72.5: 3,008,451
73: 2,973,743
78: 2,990,809
81: 2,988,048
3,000,350
3,003,465
83: 2,976,841
2,988,049
96: 2,979,028
2,982,248
2,994,300
3,003,466
3,004,519
98: 2,969,770
2,991,755
2,997,982
2,999,480
3,010,429
99: 2,995,111
3,014,456
103: 2,967,510
2,980,060
2,987,042
106: 2,989,030
3,006,322
3,011,478
3,013,530
110: 2,985,138
117: 2,981,230
121: 2,987,043
127: 2,989,031

129: 2,982,249
130: 3,000,351
131: 2,990,810
2,996,043
132: 2,982,250
2,997,023
143: 2,974,635
2,975,760
157: 2,982,251
2,983,252
2,988,050
2,988,051
2,988,052
2,998,803
3,008,452
3,014,457
159: 2,976,842
2,988,053
2,991,756

Class 120

1: 2,979,029
9: 2,970,569
13: 2,997,983
22: 3,001,510
32: 3,003,467
33: 2,981,231
3,014,458
35: 2,992,629
42: 2,996,044
42.03: 2,972,980
2,979,030
2,986,119
2,988,054
2,988,055
2,989,032
3,000,352
3,004,520
3,007,444
42.1: 2,971,494
2,972,335
42.16: 2,971,495
42.2: 3,003,468
42.4: 2,969,041
2,983,253
3,000,353
3,000,354
3,000,355
3,004,521
3,008,453
42.6: 2,982,252
50: 2,983,254
51: 2,987,044
90: 2,982,253
91: 2,999,481
94: 2,990,811
96: 2,979,031
2,989,947
2,991,757
2,995,112
3,004,522
102: 3,005,441

Class 121

3: 2,979,032
6: 2,987,045
7: 3,005,442
10: 2,972,981
13: 2,975,761
2,985,139
2,995,113
3,010,430
3,013,531
16: 2,970,570
2,979,033
2,982,254
21: 2,989,948
2,995,114
3,007,445
25: 2,982,255
3,005,443
26: 2,980,061
28: 3,004,523
3,012,540
30: 2,969,771
32: 2,997,024
33: 2,977,931
2,990,812
3,011,479
3,011,480
34: 3,002,495
35: 3,011,481
36: 2,984,210
3,010,431
38: 2,966,887
2,966,888
2,966,889
2,968,282
2,969,042
2,970,571
2,970,572
2,971,496
2,972,336

38: 2,972,337
2,972,982
2,973,744
2,974,636
2,974,637
2,975,762
2,976,843
2,976,844
2,976,845
2,977,932
2,980,062
2,980,063
2,980,064
2,981,232
2,981,233
2,981,234
2,982,256
2,982,257
2,983,255
2,983,256
2,984,211
2,985,140
2,985,141
2,985,142
2,986,120
2,986,121
2,986,122
2,987,046
2,987,047
2,988,056
2,988,057
2,989,949
2,990,813
2,991,758
2,992,630
2,992,631
2,993,472
2,993,473
2,993,474
2,993,475
2,994,301
2,994,302
2,994,303
2,995,115
2,996,045
2,997,025
2,997,026
2,997,984
2,999,482
3,000,356
3,000,357
3,001,511
3,002,496
3,002,497
3,003,469
3,004,524
3,004,525
3,009,444
3,010,432
3,010,433
3,010,434
3,010,435
3,012,541
3,013,532
39: 2,969,043
3,000,814
40: 2,967,511
2,967,512
2,967,513
2,969,772
2,970,573
2,970,574
2,971,479
2,974,638
2,979,034
2,984,212
2,986,123
2,988,058
2,991,759
2,996,046
2,997,985
3,000,358
3,000,359
3,002,498
3,003,470
3,003,471
3,003,472
3,003,473
3,008,454
3,012,542
41: 2,966,890
2,966,891
2,968,283
2,968,284
2,969,044
2,969,773
2,969,774
2,970,575
2,971,498
2,971,499
2,972,338
2,972,983
2,974,639
2,974,640
2,974,641

41: 2,975,763
2,976,846
2,976,847
2,976,848
2,976,849
2,976,850
2,977,933
2,977,934
2,977,935
2,979,035
2,980,065
2,980,066
2,980,067
2,980,068
2,980,069
2,980,070
2,981,235
2,982,258
2,984,213
2,984,214
2,984,215
2,984,216
2,984,217
2,985,143
2,985,144
2,986,124
2,986,125
2,987,048
2,988,059
2,989,033
2,989,034
2,989,035
2,989,950
2,990,815
2,992,632
2,992,633
2,993,476
2,994,304
2,995,116
2,996,047
2,997,027
2,997,028
2,997,986
2,997,987
2,998,804
3,000,360
3,002,499
3,002,500
3,002,501
3,003,474
3,003,475
3,004,526
3,006,323
3,007,446
3,007,447
3,008,455
3,009,445
3,009,446
3,009,447
3,009,448
3,009,449
3,010,436
3,011,482
3,011,483
3,012,543
3,012,544
3,013,533
3,013,534
3,013,535
3,013,536
3,013,537
42: 2,973,745
2,975,764
2,986,126
3,002,502
3,004,527
43: 3,007,448
44: 2,987,049
3,000,361
45: 2,968,285
2,970,576
2,974,642
2,976,851
2,982,259
2,991,760
2,991,761
2,994,305
2,995,117
3,000,362
3,002,503
3,005,444
3,010,437
3,012,545
46: 2,970,577
2,980,071
2,981,236
2,981,237
2,981,238
3,001,512
3,007,449
3,012,546
46.4: 2,980,072
2,980,073
2,981,239
2,988,060

Class 121—Con.

46.5: 2,966,892
2,967,514
2,969,045
2,969,775
2,972,339
2,972,984
2,973,746
2,973,747
2,974,643
2,976,852
2,982,260
2,981,218
2,985,145
2,985,146
2,985,147
2,987,950
2,988,061
2,991,762
2,993,477
2,996,048
3,000,363
3,003,476
3,007,450
3,008,456
3,010,438
48: 2,969,046
2,969,776
2,973,748
2,980,074
2,980,075
2,980,076
2,983,257
2,991,763
2,992,631
2,993,478
2,997,029
3,014,459
3,014,460
50: 2,997,988
53: 2,979,036
58: 2,982,261
59: 3,002,504
62: 2,968,286
2,980,077
69: 2,969,777
2,975,765
2,992,635
70: 2,989,951
75: 2,974,644
80: 2,984,219
87: 2,980,078
97: 2,984,220
2,996,049
3,014,461
3,014,462
98: 2,974,645
99: 2,969,778
2,975,766
2,984,221
114: 2,994,306
118: 2,984,222
119: 2,974,646
2,979,037
2,998,805
3,006,324
120: 2,968,287
2,975,767
3,014,463
121: 2,970,578
2,984,223
123: 2,966,893
2,966,894
2,966,895
2,977,936
2,987,051
3,010,439
3,014,464
147: 2,997,030
150: 2,982,262
2,984,224
3,007,451
3,007,452
3,013,538
157: 2,974,647
3,003,477
3,003,478
3,004,528
3,013,539
158: 2,970,579
2,975,768
164: 2,980,079
2,980,080
2,981,240
2,984,225
2,986,127
2,990,816
2,992,636
3,005,445
3,007,453
3,007,454
194: 2,969,779
2,974,648
191: 2,979,038
2,983,258
2,985,148

Class 122

1: 2,966,896
2,989,952
3,003,479
4: 2,975,769
2,976,853
2,983,259
2,997,031
3,000,364
6: 2,976,854
2,979,039
2,981,241
2,987,052
3,007,455
7: 2,967,515
2,976,855
2,980,081
3,001,513
20: 2,985,149
23: 2,993,479
26: 2,991,764
32: 2,973,749
2,982,263
2,983,260
3,012,547
33: 2,975,770
2,997,032
3,007,456
34: 2,993,480
37: 3,007,457
136: 2,998,806
155: 2,983,261
183: 2,972,985
214: 2,982,264
235: 2,971,649
2,982,265
2,989,036
2,995,118
3,003,480
3,007,458
3,012,548
240: 2,968,288
2,977,937
3,002,505
249: 2,998,807
328: 2,988,062
336: 2,988,063
356: Re.25,006
2,990,817
2,994,307
3,003,481
376: 2,992,637
3,005,446
379: 2,969,047
2,972,986
2,989,037
3,000,365
406: 2,985,150
2,986,128
2,989,038
2,993,481
2,994,308
2,995,119
3,007,459
448: 3,004,529
451: 2,969,048
2,987,053
451.1: 2,997,989
459: 2,979,040
2,980,082
476: 2,995,120
477: 2,980,083
478: 2,976,856
2,976,857
2,982,266
2,982,267
2,983,262
2,988,064
2,989,069
3,003,482
3,013,540
479: 2,966,897
2,973,750
2,976,858
2,985,151
2,985,152
2,985,153
480: 2,968,289
2,980,084
2,982,268
494: 2,974,650
2,990,818
504: 2,975,771
510: 2,979,041
2,982,269
2,983,263
2,999,483
3,001,514

Class 123

1: 2,977,938
2,992,638
3,006,325
7: 2,974,651
2,991,765
3,001,515
3,012,549
3,013,541
8: 2,969,049
2,979,042
2,985,154
2,988,065
2,993,482
3,007,490
3,012,550
11: 2,971,500
13: 2,977,939
3,012,551
16: 2,966,898
17: 3,008,457
18: 2,968,290
2,989,040
21: 2,968,291
2,980,085
2,988,066
2,994,309
25: 2,977,940
2,979,043
26: 2,991,766
2,991,767
2,994,310
28: 2,986,129
30: 3,008,458
32: 2,969,050
2,972,987
2,975,772
2,975,773
2,977,941
2,977,942
2,979,044
2,982,270
2,988,067
2,989,041
2,991,768
2,995,121
2,999,484
3,003,483
3,014,465
3,014,466
39: 2,973,751
41: 3,001,516
41.01: 2,971,501
41.08: 2,968,292
41.1: 2,988,068
3,014,467
41.12: 2,993,483
41.15: 2,988,069
3,007,461
41.19: 2,970,580
41.31: 2,984,226
2,989,953
41.35: 2,991,769
2,991,770
41.47: 3,001,517
3,003,484
41.51: 2,976,859
41.55: 2,967,517
41.57: 2,969,780
41.59: 2,991,771
41.65: 2,989,042
41.69: 2,968,293
2,969,781
2,985,155
41.7: 2,972,340
41.72: 2,972,341
2,986,130
2,996,050
2,998,808
41.74: 2,985,156
2,990,819
41.77: 2,967,518
41.86: 2,974,652
2,997,033
43: 2,990,820
46: 2,968,294
2,976,860
2,980,086
2,981,242
2,982,271
2,991,772
2,991,773
2,995,122
3,011,484
48: 2,970,581
2,989,954
3,014,468
51: 2,977,943
2,985,157
3,000,366
3,010,440
3,014,469
52: 2,980,087
3,014,470
53: 2,976,861
3,000,367
55: 2,974,654
2,991,774
3,001,518
3,003,485
3,013,542
56: 2,974,655
58: 2,966,899
2,983,264
3,007,462
59: 2,973,752
2,975,774
2,982,272
2,988,070
2,989,955
3,010,441
65: 2,979,045
2,980,088
2,985,158
3,013,543
69: 2,970,582
73: 2,966,900
2,967,516
3,002,506
3,008,459
3,014,471
74: 2,974,653
2,997,990
3,003,486
78: 2,981,243
79: 2,979,046
2,988,071
2,988,072
88: 2,993,488
90: Re.24,941
2,966,901
2,967,519
2,969,051
2,970,583
2,970,584
2,970,585
2,971,502
2,971,503
2,971,504
2,973,753
2,975,775
2,976,862
2,980,089
2,982,273
2,982,274
2,984,227
2,988,073
2,992,639
2,997,991
3,002,507
3,002,508
3,002,509
3,009,450
3,011,485
3,014,472
97: 2,968,295
2,977,944
2,988,074
2,993,484
2,993,485
3,003,487
102: 2,987,054
103: 2,970,586
2,977,945
2,986,131
2,990,821
2,990,822
2,990,823
2,990,824
2,990,825
117: 2,968,296
2,977,946
119: Re.25,023
2,968,297
2,969,782
2,969,783
2,971,505
2,977,947
2,977,948
2,979,047
2,980,090
2,981,244
2,981,245
2,981,246
2,982,275
2,982,276
2,983,265
2,983,266
2,983,267
2,984,228
2,985,159
2,985,160
2,986,132
2,989,043
2,989,044
2,991,775
119: 2,991,776
2,992,640
2,992,641
2,992,642
2,992,643
2,994,311
2,994,312
2,995,123
2,995,124
2,995,125
2,996,051
2,997,034
2,997,035
2,997,036
2,997,037
2,997,992
2,999,485
3,000,368
3,004,530
3,005,447
3,005,448
3,006,326
3,006,327
3,008,460
3,010,442
3,011,486
3,011,487
3,013,544
3,013,545
3,013,546
3,014,473
120: 2,972,988
2,987,055
2,988,075
122: 2,974,656
2,989,956
2,991,777
2,991,778
2,996,052
2,999,486
3,011,488
124: 2,980,091
127: 3,003,488
3,014,474
136: 2,986,133
3,001,519
139: 2,966,902
2,968,298
2,969,784
2,974,657
2,975,776
2,980,092
2,982,277
2,984,229
2,986,134
2,988,076
2,989,957
2,990,826
2,993,486
2,996,053
2,996,054
2,996,055
2,997,993
2,997,994
2,999,487
3,000,369
3,011,489
3,011,490
3,013,547
140: Re.25,012
2,967,520
2,977,949
2,982,278
2,984,230
2,984,231
2,987,056
2,988,077
2,999,488
3,003,489
3,004,531
3,007,463
3,007,464
3,014,475
142: 2,995,126
142.5: 2,993,487
145: 2,996,056
146.5: 2,983,776
148: 2,980,093
2,984,695
2,998,470
3,007,987
3,009,975
3,014,974
149: 2,982,805
2,996,560
2,998,471
169: 3,012,084
3,012,085
179: 2,969,052
2,969,785
2,973,754
2,974,658
2,976,863
2,979,048
179: 2,984,232
2,987,057
2,987,058
2,988,078
2,988,079
2,989,958
2,990,827
2,991,779
2,996,057
2,997,995
2,997,996
2,997,997
2,998,809
2,999,489
2,999,490
3,005,449
3,006,328
3,006,329
3,010,443
3,011,491
180: 2,974,659
2,985,161
2,986,135
182: 2,999,491
185: 2,975,777
2,987,059
187.5: 2,971,506
2,995,127
188: Re.24,928
2,988,080
2,999,492
191: 2,969,786
2,980,094
2,983,268
2,991,780
193: 2,981,247
3,000,370
195: 2,970,587
2,974,660
2,975,778
3,002,510
196: 2,972,342
2,976,864
2,988,081
198: 2,968,299
2,971,507
2,985,162
2,997,038

Class 124

2: 2,977,950
5: 2,997,039
6: 2,994,313
7: 3,009,451
8: 2,980,095
2,996,058
11: 2,975,779
2,980,096
2,991,781
2,998,810
3,000,371
3,003,490
3,010,444
13: 2,901,782
15: 2,977,951
20: 2,995,128
2,995,129
22: 2,997,998
3,006,330
23: 2,966,903
2,968,300
3,004,532
3,010,445
3,012,552
24: 2,967,521
2,975,780
2,979,049
2,995,130
2,998,811
27: 3,004,533
3,009,452
3,009,453
30: 2,966,904
3,010,446
3,010,447
35: 2,977,952
2,982,279
2,996,059
3,009,454
41: 2,980,097
2,996,060
47: 2,989,045
52: 2,997,999
11: 2,985,163
2,998,000
3,003,491
3,003,492
3,006,331
3,006,332
3,008,461
3,009,455
3,012,553
13: Re.25,077
2,972,344
2,998,812
2,998,813
3,008,462
14: 3,001,520
3,005,450
15: 2,990,828
3,009,456
18: 2,981,248
20: 2,989,046
2,996,061
3,003,493
21: 2,982,280
2,986,136
2,994,314
22: 2,969,053
23: 2,974,661
2,982,281
39: 2,999,493

Class 126

9: 2,994,315
2,994,316
3,000,372
3,003,494
3,008,463
19: 3,006,333
19.5: 2,970,589
3,013,548
20: 2,980,099
25: 2,968,301
2,980,100
2,981,249
2,983,269
2,985,164
2,986,137
2,986,138
2,988,082
2,998,001
2,998,002
2,998,814
2,999,494
3,002,511
3,005,451
3,013,549
3,013,550
29: 3,013,551
30: 2,974,662
2,977,953
38: 2,969,054
39: 2,997,040
3,007,465
41: 2,980,101
59.5: 2,977,954
2,980,102
3,000,373
3,009,457
73: 2,967,522
85: 3,010,448
91: 3,002,512
92: 2,969,787
2,993,489
93: 3,007,466
101: 2,998,003
104: 2,979,050
109: 2,986,139
110: 2,975,783
2,979,051
2,982,282
2,998,004
3,000,374
3,006,334
3,007,467
3,010,449
113: 2,989,047
116: 2,982,283
119: 2,984,235
121: 2,970,590
3,001,521
152: 2,972,989
162: 3,010,450
165: 2,985,165
174: 2,971,508
190: 2,998,815
191: 2,989,048
2,997,041
3,006,335
194: 2,979,052
2,979,053
2,998,816
3,003,495
208: 2,989,049
2,996,062

208: 2,997,042
3,007,468
211: 2,994,317
214: 2,972,990
2,991,783
3,014,476
240: 2,975,784
263: 2,980,103
266: 2,973,756
270: 2,994,318
2,998,005
3,000,375
271: 2,969,788
2,998,006
271.1: 2,994,319
271 2: 2,980,104
2,990,829
3,013,552
274: 2,969,055
285: 2,988,083
2,996,063
3,010,451
288: 2,996,064
298: 3,007,469
299: 2,974,663
2,984,236
3,002,513
3,011,492
338: 3,012,554
340: 2,979,054
3,009,458
343.5: 2,969,056
2,970,591
2,977,955
2,983,270
2,991,784
3,011,493
344: 2,989,959
350: 2,982,284
2,987,060
2,987,061
360: 2,981,250
2,984,237
362: 2,967,523
3,007,470
376: 2,994,320
382: 2,980,105

Class 127

3: 2,996,413
18: 2,991,202
19: 2,973,288
37: 2,974,067
38: 2,989,425
46: 2,970,071
2,971,868
2,988,463
48: 2,976,189
50: 2,977,253
55: 2,969,297
2,969,298
56: 2,984,591
2,992,140
61: 2,992,141
67: 2,974,068
2,987,424
71: 2,974,069
3,003,894

Class 128

1: 2,977,956
2,980,106
2,986,140
3,000,376
3,014,477
2: 2,969,057
2,989,050
2,994,321
3,001,522
3,003,496
3,007,471
3,013,553
2.05: 2,976,865
2,980,107
2,981,251
2,989,051
2.06: 2,982,285
2.07: 3,000,377
2.08: 2,999,495
3,006,336
2.1: 2,969,058
3,000,271
4: 2,990,830
6: 2,975,785
11: 3,005,452
12: 2,969,059
24: 2,968,302
3,004,534
3,008,464
24.1: 2,985,166
25: 2,966,905
2,969,060
29: 2,969,789
2,972,345
2,995,131
3,006,337
3,009,459
3,013,554
33: 2,976,866
2,980,108
2,998,817
2,999,496
3,008,465
3,009,460
3,014,478
38: 2,972,346
41: 2,972,347
2,988,084
49: 3,001,523
57: 2,974,664
2,976,867
3,003,497
62: 2,985,167
63: 2,980,109
65: 2,975,786
69: 2,967,524
2,970,592
71: 2,976,868
75: 2,966,906
2,984,238
3,003,498
80: 2,973,757
2,994,322
83: 2,985,168
84: 2,969,064
2,969,790
3,009,461
87: 2,980,110
2,984,239
90: 2,969,791
92: 2,966,907
2,987,062
2,998,007
3,002,514
133: 2,972,348
2,998,008
3,008,466
3,010,452
134: 2,991,785
3,013,555
136: 2,966,908
141: 2,974,665
3,003,499
3,004,535
3,009,462
142: 2,970,593
2,981,252
2,985,169
2,988,085
2,998,009
2,999,497
3,005,453
146: 2,983,271
2,999,498
3,013,556
3,014,479
149: 2,983,272
153: 2,969,062
3,011,494
156: 2,992,644
3,006,338
165: 2,980,111
3,000,378
171: 3,005,454
173: 3,001,524
185: 2,984,240
188: 2,989,960
191: 2,980,112
3,000,379
3,006,339
203: 2,970,594
3,006,340
3,012,555
3,014,480
205: 2,998,818
206: 2,966,909
208: 2,992,645
214: 2,969,063
2,972,349
2,979,055
2,981,253
2,989,052
2,997,043
2,999,499
3,000,380
3,001,525
3,003,500
3,004,536
3,006,341
3,006,342
3,009,463
3,010,453
3,014,481
216: 2,971,509
218: 2,966,910
2,972,991
2,986,141
218: 2,994,323
3,013,557
221: 2,989,053
3,007,472
222: 2,969,064
227: 2,968,303
2,969,792
3,004,537
251: 3,010,454
252: 2,970,595
2,980,113
2,989,961
253: 3,010,455
269: 2,987,063
271: 2,974,666
272: 2,973,758
2,986,142
3,005,455
275: 2,989,962
276: 2,967,525
2,982,286
2,999,500
278: 2,979,056
283: 2,971,510
2,973,759
3,006,343
284: 2,969,065
2,985,170
2,991,786
3,000,381
285: 2,998,010
3,005,456
3,011,495
3,013,558
287: 2,967,526
2,973,760
290: 2,968,304
2,971,511
291: 2,977,957
3,014,482
295: 2,971,512
2,976,869
296: 2,972,350
3,005,457
303.18: 2,994,324
306: 2,966,911
312: 2,981,241
318: 3,006,344
326: 2,970,596
328: 3,008,467
334: 3,014,483
340: 3,013,559
341: 2,985,171
346: 2,973,761
2,977,958
3,013,560
350: 2,969,066
2,981,254
351: 2,991,787
356: 3,005,458
361: 2,981,255
372: 2,981,256
390: 2,973,762
400: 3,007,473
410: 2,995,132
416: 2,985,172
417: 2,983,273
425: 2,995,133
426: 3,008,468
432: 2,981,257
460: 3,002,515
465: 2,967,527
2,992,646
2,994,325
476: 2,973,763
2,973,764
479: 3,014,484
480: 2,988,086
482: 2,970,597
484: 2,979,057
2,984,242
2,986,143
3,002,516
489: 2,969,067
2,983,274
3,001,526
3,010,456
494: 2,971,513
2,971,514
505: 2,988,087
510: 2,976,870
519: 2,970,598
2,997,044
520: 3,013,561
521: 2,993,490
523: 2,980,114
524: 2,969,068
3,012,556
527: 2,981,258
528: 2,998,011
3,005,459
3,013,562
533: 3,012,557
536: 3,009,464
540: 2,966,912
541: 2,973,765
2,977,959
542: 2,971,515
2,982,287
3,013,563
544: 3,011,496
545: 2,995,134
546: 2,989,054
3,004,538
3,012,558
547: 2,972,992
2,974,667
3,012,559
3,012,560
548: 3,006,345
554: 3,005,460
586: 3,003,501
3,007,474
595: 3,008,469
611: 2,994,326
3,013,564

Class 129

1: 3,009,465
4: 2,980,115
16: 2,984,243
2,999,501
2,999,502
16.7: 2,969,793
2,982,288
17: 2,976,871
20: 2,986,144
23: 3,003,502
3,008,470
24: 2,985,173
3,003,503
35: 2,985,174
40: 2,981,259

Class 130

5: 2,981,260
3,001,527
6: 3,013,565
27: 2,970,599
2,974,668
2,995,135
3,011,497
3,014,485
30: 3,007,475
3,014,486
31: 2,982,289

Class 131

3: 2,991,788
4: 2,985,175
7: 2,997,045
9: 2,980,116
2,981,261
2,992,647
10: 2,968,305
2,979,058
2,988,088
2,992,648
2,996,065
2,998,819
2,998,820
3,006,346
13: 2,979,059
15: 2,984,244
2,998,012
3,006,347
17: 2,967,118
2,970,072
2,972,557
2,976,190
2,977,254
2,978,365
2,981,641
2,985,549
2,995,476
2,999,775
3,000,764
3,000,765
3,002,863
3,003,895
3,005,732
3,009,835
3,009,836
3,010,851
3,011,921
3,012,914
3,012,915
21: 2,971,516
2,983,275
2,989,055
28: 2,988,089
37: 3,011,498
59: 2,998,013
3,006,348
84: 2,972,993
3,008,471
88: 2,981,262
3,007,476
94: 2,984,245
2,990,831
3,000,382
3,001,528
3,010,457
96: 2,976,872
108: 2,975,787
109: 3,004,539
131: 2,989,056
133: 2,997,046
134: 2,980,117
140: 2,969,794
2,971,517
2,976,873
2,989,057
3,000,383
3,012,561
3,012,562
144: 2,969,795
2,989,963
146: 2,984,240
149: 2,986,145
2,987,064
3,014,487
171: 2,966,066
172: 2,974,669
184: 2,986,146
190: 3,010,458
194: 2,986,147
198: 2,967,528
205: 2,969,796
207: 2,996,067
208: 2,968,306
2,999,503
3,003,504
3,008,472
3,008,473
3,008,474
219: 2,988,090
224: 2,974,670
225: 2,968,307
235: 2,973,766
2,993,491
3,013,566
237: 2,989,964
2,996,068
240: 3,006,349
242: 2,969,797
256: 2,967,529
2,969,069
2,981,263
257: 2,991,789
3,001,529
258: 2,998,014

Class 132

5: 3,013,567
7: 2,990,832
2,991,790
9: 3,004,540
31: 2,988,091
33: 3,001,530
39: 2,994,327
40: 2,972,994
3,007,477
41: 2,966,913
2,999,504
3,003,505
3,008,475
42: 2,985,176
3,012,563
45: 2,972,351
46: 2,969,070
2,975,788
3,000,384
48: 2,977,960
2,979,060
2,980,118
2,989,058
2,996,069
2,998,015
73: 2,979,061
73.5: 2,999,505
73.6: 2,969,071
75.5: 2,999,506
79: 2,983,276
2,984,247
2,995,136
3,001,531
3,008,476
80: 2,974,671
83: 3,006,350
84: 2,971,518
2,973,767
2,980,119
2,987,743
2,990,833
85: 2,990,834
3,002,517
88.7: 2,998,821
91: 2,981,264
112: 3,011,499
116: 2,998,822
148: 3,010,459
158: 2,984,248
159: 2,989,059

Class 133

1: 2,986,148
2: 2,975,789
2,976,874
3: 2,977,961
4: 2,988,092
2,988,093
3,004,541
8: 2,973,768

Class 134

1: 2,967,119
2,968,584
2,970,073
2,974,070
2,992,142
3,007,814
3,011,922
2: 2,970,934
2,977,255
2,981,642
3,000,766
3: 2,978,366
2,981,643
3,000,767
3,003,896
3,011,923
3,013,909
4: 3,003,897
5: 3,010,852
6: 2,979,425
2,979,426
3,006,788
3,008,852
7: 2,982,676
8: 2,967,790
2,998,333
10: 2,990,302
12: 3,011,924
13: 2,967,530
3,010,853
15: 3,007,815
17: 3,009,837
21: 2,970,074
2,974,071
3,009,838
3,011,925
22: 2,967,120
2,968,585
2,990,303
2,992,945
2,995,477
3,003,898
3,003,899
3,005,733
3,005,734
23: 2,973,289
3,009,839
24: 2,976,191
2,991,203
25: 3,004,876
27: 2,996,414
3,010,854
28: 2,987,425
29: 2,992,946
31: 2,967,121
37: 2,981,644
41: 2,980,559
46: 2,989,965
2,998,823
3,014,488
56: 2,985,177
57: 2,972,352
2,980,120
2,981,265
2,987,066
2,993,492
2,994,328
3,000,385
3,007,478
58: 2,971,519
2,973,769
2,990,835
2,991,791
2,994,329
2,994,330
2,997,047
3,007,479
3,009,466
3,012,564
3,013,568
64: 2,986,149
66: 2,979,062
68: 2,966,914
69: 3,011,500
72: 2,972,995
2,974,672
2,981,266
2,988,094
2,997,048
76: 2,966,915
77: 2,979,063
2,989,060
3,009,467
83: 2,989,121
93: 2,969,072
3,009,468
3,012,565
95: 2,967,531
2,981,267
96: 2,993,483
99: 3,003,506
102: 2,972,996
2,987,067
3,011,501
108: 3,001,532
111: 2,977,962
112: 3,006,351
113: 3,013,569
122: 2,973,770
2,981,268
2,989,966
123: 3,009,469
128: 2,972,997
135: 3,010,460
140: 2,989,061
2,994,331
149: 2,985,178
152: 2,969,073
3,012,566
153: 2,981,269
155: 2,975,790
166: 3,001,533
167: 2,975,791
3,004,534
169: 2,980,122
2,981,270
2,988,095
2,993,494
2,997,049
171: 3,013,570
172: 2,971,520
176: 3,009,470
179: 2,977,963
184: 2,980,123
2,987,068
2,994,332
191: 3,010,461
200: 2,972,353

Class 135

1: 2,967,532
2,967,533
2,976,875
2,979,064
2,980,124
2,982,290
2,986,150
2,988,096
2,989,967
2,990,836
2,990,837
2,992,649
2,999,507
3,003,507
3,004,542
3,006,352
3,010,462
3,019,463
3: 2,969,074
2,976,876
4: 2,967,534
2,975,792
3,000,386
3,006,353
3,008,477
3,009,471
5: 2,967,535
2,969,075
2,970,600
2,995,137
3,004,543
3,005,461
3,010,464
7.1: 2,987,069
2,995,138
8: 3,002,518
14: 3,012,567
19.5: 2,994,333
20: 2,977,964
2,985,179
21: 2,984,249
22: 3,008,478
23: 2,969,798
3,003,508
25: 3,003,509
26: 3,003,510
3,003,511
33: 3,010,465

Class 135—Con.

36: 3,000,387
45: 2,996,070
46: 2,979,065
2,989,968
47: 2,977,965

Class 136

1: 2,980,745
2,996,561
4: 2,971,041
2,971,997
2,971,998
2,972,653
2,972,654
2,973,397
2,975,225
2,976,340
2,978,527
2,979,551
2,980,746
2,981,774
2,984,696
2,987,564
2,987,565
2,987,566
2,988,582
2,992,287
2,992,288
2,993,080
2,993,941
2,997,513
2,997,514
2,997,515
2,999,121
3,005,860
3,006,978
3,006,979
3,007,988
3,007,989
3,009,976
3,011,004
3,011,005
3,013,097
5: 2,977,399
2,977,400
2,981,775
2,985,700
2,990,439
2,990,440
2,995,613
3,005,861
3,007,990
3,009,977
3,011,006
6: Re 24,989
2,968,686
2,971,999
2,980,747
2,988,583
2,991,323
2,996,562
3,003,011
3,006,980
9: 2,987,567
2,988,584
2,994,728
3,000,996
3,003,012
3,003,013
13: 2,991,324
3,003,014
20: 2,983,777
3,007,991
21: 3,009,978
24: 2,969,413
2,988,585
2,994,729
26: 3,011,007
27: 2,981,776
2,996,563
29: 2,969,414
2,980,748
3,009,979
30: 2,982,806
2,988,586
3,003,015
33: 2,971,042
2,971,043
2,978,528
34: 2,976,341
3,009,980
37: 2,997,516
40: 2,985,701
43: 2,972,000
3,014,975
83: 3,007,992
86: 2,980,749
2,997,517
3,002,039
3,012,086
3,013,098
86: 3,014,084
3,014,976
87: 2,968,687
2,987,568
89: 2,981,777
2,986,591
2,989,575
2,993,915
2,999,240
3,005,862
3,009,006
3,009,981
90: 2,968,688
2,970,180
2,979,552
2,981,778
2,981,779
2,981,780
2,985,702
2,988,587
2,989,576
2,990,441
2,990,442
2,992,289
2,993,946
2,996,564
2,997,518
2,999,122
3,003,016
3,005,803
3,009,007
100: 2,976,342
2,979,553
2,986,592
2,994,730
3,003,017
3,005,864
3,007,993
107: 2,993,947
3,000,997
111: 2,987,569
2,995,614
119: 2,967,898
120: 2,977,401
126: 3,007,994
132: 2,996,565
134: Re. 25,054
135: 2,981,781
2,988,588
3,000,998
136: 2,981,782
3,005,865
143: 2,970,181
145: 2,973,398
2,978,529
2,980,750
2,999,123
3,014,085
146: 2,981,783
3,002,040
3,013,099
3,013,100
154: 2,992,143
2,994,625
2,994,626
155: 2,973,399
2,991,325
160: 3,012,087
161: 2,971,044
3,012,088
163: 2,991,731
166: 2,980,751
2,980,752
2,981,784
2,985,703
2,993,948
2,999,593
168: 2,972,655
170: 2,972,001
173: 2,975,226
2,980,753
2,982,807
2,983,778
2,985,704
2,985,705
3,000,999
175: 3,004,093
3,004,094
176: 3,002,041
178: 2,971,045
179: 2,988,589
181: 3,002,042
182: 2,980,754
2,988,590

Class 137

137— 1: 2,968,308
2,989,969
3,004,544
3,011,502
3,014,489
2: 2,969,799
2,995,139
3: 2,979,066
7: 2,969,800
8: 2,998,016
13: 2,970,601
3,006,354
15: 2,979,067
24: 2,998,017
26: 2,981,271
31: 3,006,355
34: 2,993,495
2,993,496
38: 3,004,545
39: 2,966,916
43: 2,975,793
2,981,272
3,011,503
45: 3,011,504
48: 2,975,794
81: 3,001,535
55: 2,969,076
56: 3,000,388
57: 2,973,771
60: 2,995,140
63: 2,967,536
2,970,602
2,982,291
2,988,097
2,989,062
2,989,970
2,990,838
2,996,071
2,997,050
64: 2,966,917
2,969,801
2,974,673
66: 2,968,309
2,969,077
2,969,078
2,972,354
2,977,966
2,977,967
2,988,098
2,991,792
3,002,519
67: 2,991,793
68: 2,972,998
2,980,125
2,997,051
3,000,389
3,001,536
3,008,479
3,013,571
72: 2,971,521
73: 3,001,537
74: 2,985,180
2,998,018
77: 2,997,052
81: 2,983,277
82: 2,967,537
2,973,772
2,979,068
2,982,292
2,982,293
2,983,278
2,988,099
2,990,839
3,001,538
3,003,512
3,003,513
3,004,546
83: 2,969,079
2,981,273
2,996,072
3,001,539
3,004,547
3,011,505
84: 2,969,080
85: 2,969,802
2,972,999
2,974,674
2,976,877
2,980,126
2,981,274
2,985,181
2,985,182
2,986,151
2,989,063
2,992,650
2,993,497
2,993,498
2,999,508
3,005,462
3,008,480
86: 2,977,968
2,985,183
87: 2,974,675
2,977,969
3,010,466
91: 2,973,090
92: 2,989,064
2,992,651
2,998,019
93: 3,013,572
98: 2,969,803
3,014,490
99: 2,986,152
2,990,840
100: 2,977,970
2,983,279
2,987,070
2,989,065
2,993,499
3,004,548
101: 2,971,522
2,985,184
2,995,141
101.11: 2,984,250
101.27: 2,968,310
102: 2,966,918
2,966,919
2,979,069
2,988,100
2,989,971
2,994,334
2,998,020
3,002,520
3,007,480
108: 2,971,523
2,971,524
2,976,878
2,977,971
2,989,066
2,989,972
3,006,356
3,011,506
112: 3,001,540
3,008,481
3,014,491
113: 2,966,920
2,967,538
2,985,185
2,989,973
2,989,974
3,001,541
3,008,482
3,013,573
114: 3,010,467
3,010,468
115: 2,980,127
2,985,186
2,986,153
2,995,142
3,002,521
3,013,574
116: 3,007,481
3,011,507
116.3: 2,984,251
116.5: 2,981,275
2,982,294
2,984,252
2,998,021
117: 2,989,975
3,005,463
3,005,464
118: 2,973,001
2,992,652
3,010,469
119: 2,968,311
2,984,253
2,993,500
2,998,824
3,003,514
3,007,482
120: 3,011,508
122: 2,966,921
3,001,542
3,011,509
132: 2,976,879
2,986,154
144: 3,010,470
150: 3,013,575
151: 3,011,510
155: 2,994,335
2,994,336
3,011,511
170.1: 2,973,003
172: 2,996,073
3,012,568
3,012,569
178: 2,990,841
183: 2,988,101
2,989,976
192: 2,979,070
194: 2,970,603
195: 2,998,825
2,999,509
197: 2,972,355
198: 2,980,128
202: 2,977,972
2,990,842
2,997,053
3,002,522
204: 2,969,081
2,988,102
2,989,977
2,989,978
3,004,549
205: 3,002,523
206: 2,970,604
209: 2,973,773
210: 3,003,515
217: 2,971,525
218: 2,986,155
2,988,103
2,990,843
2,997,054
3,011,512
219: 2,976,880
2,989,067
3,002,524
220: 2,996,074
3,003,516
223: 2,971,526
2,977,973
2,981,276
2,989,068
2,998,022
3,007,483
228: 2,992,653
230: 2,987,071
231: 2,969,082
234.5: 3,000,390
237: 3,006,357
238: 2,980,129
240: 2,997,055
3,009,472
242: 2,973,004
2,982,295
2,985,187
2,991,794
3,001,543
3,002,525
243: 2,977,974
2,996,075
244: 2,991,795
246: 2,967,539
3,011,513
246.12: 2,971,527
2,982,296
2,986,156
2,999,510
246.13: 2,979,071
246.15: Re.25,029
2,997,056
3,004,550
246.16: 3,004,551
246.22: 3,004,552
247.41: 2,970,605
251: 2,989,069
2,993,501
3,010,471
253: 2,967,540
3,003,517
262: 2,988,104
3,001,544
263: 2,966,922
266: 3,006,358
268: 2,970,606
2,989,979
3,003,518
269: 2,969,083
269.5: 2,969,804
270: 2,966,923
2,981,277
271: 2,982,297
3,014,492
306: 2,987,072
312: 2,994,337
315: 2,975,795
2,980,130
2,993,502
2,997,057
3,004,553
3,009,473
322: 2,975,796
2,979,072
323: 2,992,654
328: 3,011,514
329.03: 2,988,105
330: 2,977,975
2,977,976
2,977,977
331: 2,979,073
332: 3,006,359
334: 2,975,797
2,980,131
2,989,070
3,012,570
3,012,571
340: 2,979,074
2,981,278
2,994,338
3,010,472
343: 2,974,676
2,994,339
3,000,391
344: 3,009,474
351: 2,979,075
353: 3,010,473
355.12: 2,971,528
355.17: 2,990,844
355.18: 2,993,503
355.26: 2,989,980
357: 3,000,392
358: 2,990,845
359: 2,966,924
3,010,474
360: 2,997,058
375: 3,008,483
377: 2,990,846
382: 2,973,774
2,979,076
219: 2,994,341
3,006,360
387: 2,995,143
390: Re.24,939
391: 3,005,465
392: 2,999,511
393: 2,967,541
408: 2,973,775
410: 3,007,484
411: 3,011,515
415: 3,004,554
421: 2,982,298
422: 2,995,144
426: 3,010,475
437: 2,967,542
2,989,071
445: 2,975,798
446: 3,013,576
454.2: 2,992,655
2,994,342
2,995,145
3,000,393
3,007,485
454.4: 2,985,188
454.5: 2,994,343
3,006,361
454.6: 2,982,299
3,003,519
456: 2,970,607
2,974,677
458: 2,971,530
2,973,005
2,986,157
2,993,504
2,995,146
467: 2,968,313
2,973,776
2,973,777
2,984,254
2,986,158
469: 2,980,132
3,013,577
470: 2,977,978
471: 2,969,084
473: 3,012,572
475: 2,995,147
478: 3,001,545
480: 2,981,279
3,000,394
484.2: 2,967,543
486: 3,005,466
487.5: 3,013,578
488: 2,976,881
489: 2,969,805
2,974,678
2,990,847
2,991,796
3,011,516
3,014,493
489.5: 2,987,073
3,006,362
490: 2,974,679
491: 2,989,072
3,007,486
492: 2,993,505
492.5: 2,989,981
3,002,526
493: 2,986,159
2,991,797
493.3: 2,979,077
493.4: 2,995,148
493.8: 2,989,073
493.9: 2,968,314
2,971,531
2,973,006
495: 2,969,806
2,977,979
2,980,133
2,982,300
2,982,301
2,993,506
3,007,487
501: 2,973,778
503: 2,990,848
505: 3,012,573
505.13: 2,997,059
505.21: 2,996,076
505.22: 2,986,160
2,989,982
505.26: 2,981,280
505.37: 2,981,281
505.41: 2,973,007
505.42: 2,993,507
505.43: 3,003,520
505.46: 2,983,280
2,987,074
512: 3,008,484
512.1: 2,973,779
2,976,882
3,009,475
512.15: 3,000,395
512.4: 2,998,826
3,010,476
514: 3,002,527
514.7: 2,969,085
515.5: 3,013,579
515.7: 2,990,849
3,007,488
516.11: 2,970,608
516.13: 2,997,060
516.15: 3,000,396
516.21: 2,989,074
516.25: 3,010,477
516.29: 2,973,008
2,981,282
2,994,340
3,009,476
517: 2,968,315
2,973,780
2,981,283
2,997,061
521: 2,975,799
525: 3,006,363
527.4: 2,969,492
533.13: 3,011,517
533.29: 2,979,078
537: 2,996,077
538: 2,977,980
3,006,364
539: 3,002,528
3,006,365
539.5: 2,976,883
540: 2,966,925
2,970,609
2,990,850
541: 3,001,546
3,008,485
543.13: 2,998,827
543.17: 2,987,075
543.23: 2,983,281
553: 2,973,781
2,977,981
3,002,529
554: 2,973,009
3,007,489
556: 2,980,134
2,994,344
556.3: 2,981,284
556.6: 2,986,161
2,989,075
557: 2,969,086
559: Re.25,095
561: 3,010,478
3,014,494
562: 3,006,366
564: 2,973,010
565: 2,975,800
3,009,477
567: 2,983,282
571: 2,986,162
576: 2,975,801
2,992,656
580: 3,012,574
590: 2,973,011
592: 2,970,610
2,971,532
2,991,798
594: 3,002,530
595: 2,974,680
2,990,851
2,991,799
596.1: 2,982,302
596.2: 2,991,800
597: 3,002,531
3,014,495
599: 2,975,802
2,979,079
2,985,189
2,987,076
2,989,983
2,998,023
3,007,490
599.1: Re.25,037
2,982,303
2,987,077
3,007,491
3,008,486
599.2: 2,966,926
2,975,803
2,987,078
601: 3,011,518
3,014,496
604: 2,975,804
3,003,521
606: 2,976,884
2,986,163
2,997,062
607: 2,971,533
2,989,984
2,997,063

608: 2,976,885
2,995,149
609: 2,969,087
2,993,508
3,009,478
610: 2,984,255
3,006,367
612.1: 2,977,982
2,982,304
3,009,479
3,014,497
613: 2,971,534
2,984,256
611.11: 2,982,305
614.16: 2,999,512
614.17: 3,001,547
614.2: 2,969,088
3,006,368
614.21: 2,981,285
615: 2,975,805
620: 2,966,927
2,969,089
2,969,807
2,970,611
2,970,612
2,971,090
2,971,535
2,973,012
2,979,080
2,979,081
2,981,286
2,986,164
2,989,076
2,989,077
2,989,078
2,990,852
2,991,801
2,996,078
2,996,079
2,997,064
2,998,024
2,999,513
3,001,548
3,004,555
3,004,556
3,006,369
3,007,492
3,008,487
3,009,480
3,011,519
621: 2,970,613
2,980,135
2,988,106
2,993,509
2,994,345
2,994,346
3,008,488
622: 2,967,544
2,968,316
2,969,808
2,971,536
2,973,013
2,977,983
2,980,136
2,980,137
2,981,287
2,981,288
2,981,289
2,983,283
2,984,257
2,984,258
2,984,259
2,985,190
2,986,165
2,986,166
2,989,079
2,989,985
2,989,986
2,993,510
2,994,347
2,997,065
2,997,066
2,998,025
2,998,026
3,000,397
3,006,370
3,006,371
3,006,372
3,009,481
3,010,479
3,012,575
3,012,576
3,012,577
3,013,580
3,014,498
622.5: 2,983,284
2,991,802
623: 2,967,545
2,977,984
2,977,985
2,982,306
2,983,285
2,989,080
2,989,987
2,993,511
623: 2,996,080
2,997,067
3,002,532
3,006,373
3,007,493
3,007,494
3,012,578
3,012,579
624: 2,969,090
2,973,014
2,976,886
2,985,191
2,993,512
2,996,081
3,008,489
3,014,499
624.11: 2,995,150
624.13: 2,974,681
2,980,138
2,997,068
625.14: 2,968,317
624.15: 2,982,307
624.16: 2,986,167
3,000,398
624.18: 2,982,308
2,999,514
3,007,495
624.19: 2,989,988
624.2: 2,967,546
624.22: 2,982,309
625.11: 2,972,357
2,979,082
2,991,803
2,993,513
2,996,083
3,005,467
3,008,490
625.15: 2,969,810
625.17: 2,975,806
2,977,986
2,977,987
2,977,988
2,987,079
3,011,520
3,012,582
625.19: 3,008,491
625.23: 2,991,804
625.25: 2,989,989
2,998,828
3,009,482
625.27: 2,991,805
3,001,549
3,008,492
625.29: 3,004,557
625.3: 2,969,809
625.31: 3,005,468
625.33: 2,974,682
625.34: 3,001,550
3,012,583
625.36: 2,998,027
625.37: 2,989,081
3,011,521
625.38: 3,006,374
625.4: 2,972,356
2,976,887
2,996,082
3,013,581
625.41: 2,992,657
625.42: 2,989,990
2,990,853
625.43: 2,969,091
2,983,286
625.44: 3,013,582
625.46: 2,988,107
2,988,108
2,989,082
3,011,522
625.47: 3,002,533
625.48: 3,000,399
625.5: 2,980,139
2,981,290
3,012,580
3,012,581
627.5: 2,967,547
2,969,811
2,970,614
2,973,782
2,985,192
2,986,168
3,000,400
3,006,375
3,007,496
630.15: 2,988,109
630.19: 2,977,989
3,006,376
630.22: 2,985,193
635: 3,001,551
636.1: 2,971,537
636.3: 2,966,928
636.4: 2,988,110
3,012,584
637: 2,980,140
3,011,523
637.2: 2,979,053
2,980,141
637.3: 2,980,142
777: 3,014,500
778: 3,004,558
779: 2,977,990
2,985,194
2,993,514
781: 2,966,929
2,977,991
2,983,287
784: 2,976,888
2,992,658
3,001,559
786: 2,984,260
788: 2,985,195
2,989,083
2,989,991
790: 2,985,196
791: 2,989,084
793: 2,982,310
2,989,085
796: 2,973,015
798: 2,987,080

Class 138

25: 2,969,812
26: 2,968,318
30: 2,968,319
3,003,522
3,004,560
31: 2,968,320
2,974,683
3,004,561
37: 3,006,377
39: 2,972,358
3,000,401
42: 2,992,659
43: 2,989,086
3,013,583
45: Re.25,052
46: 2,972,359
2,984,261
3,006,378
46.5: 3,011,521
49: 2,971,538
55: 2,973,783
56: 2,968,321
61: 2,975,807
64: 2,969,092
2,973,016
2,974,681
74: 2,975,808
89: 2,977,992
2,988,111
3,006,379
3,010,480
90: 2,974,685
2,997,070
91: 3,006,380
92: Re.25,012
96: 2,977,993
2,989,087
3,000,402
97: 2,977,994
99: 2,977,995
2,980,143
2,999,515
100: 2,982,311
101: 2,991,806
105: 2,997,071
109: 2,980,144
2,986,169
2,998,028
3,009,483
113: 2,991,807
114: 2,997,069
121: 2,995,151
122: 3,006,381
3,014,501
125: 3,007,497
126: 2,984,262
3,011,525
140: 3,009,484
141: 2,976,889
2,991,808
3,002,531
3,012,585
145: 2,982,312
2,990,855
3,013,584
146: 3,008,493
172: 2,994,348
176: 3,005,469

Class 139

1: 2,984,263
2,991,809
3,010,481
8: 2,985,197
11: 2,988,112
3,011,526
13: 2,976,890
21: 3,014,502
25: 2,988,113
3,009,485
29: 2,974,686
33: 2,985,198
37: 2,967,548
39: 2,973,784
2,981,291
2,981,292
40: 2,993,515
42: 3,008,494
46: Re.24,949
2,971,539
2,973,785
3,001,552
59: 2,986,170
71: 2,976,891
2,981,264
80: 2,980,145
84: 3,006,382
88: 2,982,313
2,982,314
91: 2,981,293
3,004,562
92: 2,973,786
2,991,810
99: 3,010,482
101: 2,969,813
114: 2,966,930
122: 3,014,503
123: 2,990,854
3,009,486
124: 2,980,146
2,986,171
3,000,403
126: 2,971,540
2,976,892
3,014,504
3,014,505
127: 2,982,315
2,998,029
147: 3,013,585
155: 2,990,516
159: 2,968,322
161: 2,995,152
2,997,072
165: 2,995,153
3,003,523
3,005,470
166: 2,972,360
3,004,563
3,005,471
170.7: 2,991,811
185: 3,009,487
3,010,483
3,010,484
187: 3,012,586
192: 2,974,687
2,989,088
196: 2,971,541
207: 3,010,485
212: 2,970,615
213: 2,996,084
217: 2,989,089
223: 2,971,542
2,990,856
3,010,486
3,010,487
232: 3,001,553
234: 2,982,316
239: 2,981,294
243: 2,985,199
257: 3,010,488
3,013,586
263: 2,973,017
3,013,587
273: 2,980,147
2,986,172
291: 2,983,288
293: 3,012,587
297: 2,972,361
317: 3,001,554
324: 3,002,535
333: 3,009,488
336: 2,981,295
3,008,495
336.4: 2,997,073
337: 2,980,148
341: 2,981,296
3,003,524
353: 2,974,688
370: 2,974,689
2,977,996
371: 2,969,814
2,984,265
3,012,588
376: 3,012,589
383: 2,977,997
2,986,173
2,995,154
3,000,404
384: 2,977,998
2,998,829
387: 2,989,992
2,998,030
3,011,527
391: 2,973,018
2,981,297
396: 2,997,074
401: 2,986,174
2,986,175
402: 2,967,549
2,997,075
403: 2,974,690
406: 3,004,564
3,006,383
410: 2,998,031
3,013,588
413: 3,009,489
419: 3,002,536
425: 3,006,381
426: 3,005,472

Class 140

1: 2,997,076
3,000,405
3,002,537
2: 2,996,085
3: 2,971,543
2,982,317
3,010,489
3,012,590
10: 2,987,081
25: 2,990,857
71: 2,971,544
2,986,176
2,995,155
2,996,086
2,998,032
3,000,406
3,003,525
3,004,565
3,007,498
3,008,496
71.5: 2,968,323
2,973,787
2,991,812
2,995,156
2,998,033
3,001,555
3,001,556
3,010,490
71.6: 2,976,893
2,979,084
2,984,266
3,000,407
88: 2,977,999
3,010,491
92.7: 2,995,157
92.8: 2,980,149
92.94: 2,973,788
3,008,497
93: 2,967,550
2,976,894
2,988,114
93.2: 3,014,506
102: 2,976,895
103: 2,971,545
3,009,490
104: 2,996,087
3,002,538
3,010,492
105: 2,979,085
106: 3,006,385
109: 2,968,324
3,014,507
112: 3,010,493
118: 2,985,200
123: 2,998,034
123.6: 3,013,589
140: 2,969,093
147: 2,993,516
3,002,539
3,013,590
149: 2,988,115
3,010,494

Class 141

1: 2,975,809
2,976,896
3: 3,013,591
4: 3,012,591
5: 2,981,298
10: 2,998,035
11: 2,971,546
12: 2,985,201
2,989,090
17: 2,976,897
18: 2,989,091
3,004,566
20: 2,989,993
21: 2,994,349
24: 2,973,019
30: 3,006,386
67: 2,979,086
69: 2,995,158
71: 2,984,267
72: 2,998,036
82: 2,989,994
2,995,159
86: 3,005,473
94: 3,001,557
3,006,387
96: 2,972,362
98: 2,982,318
104: 3,005,474
113: 2,979,087
129: 3,014,508
130: 2,997,077
3,004,567
137: 2,999,517
141: 2,987,082
142: 2,974,691
143: 2,998,037
147: 2,993,517
149: 2,967,551
152: 2,989,092
160: 2,982,319
174: 3,000,408
195: 3,011,528
198: 3,005,475
208: 3,003,526
3,012,592
209: 2,981,299
225: 3,005,476
278: 2,989,093
308: 3,002,540
344: 2,970,616
346: 2,976,898
373: 3,000,409
383: 2,997,078
387: 2,980,150

Class 142

7: 2,979,088
56: 2,986,177
3,014,509

Class 143

6: 2,987,083
2,989,094
3,007,499
26: 3,014,510
27: 2,969,815
2,995,160
32: 2,990,858
2,992,660
3,006,388
36: 2,973,789
3,011,529
3,013,592
37: 2,992,661
38: 2,974,692
43: 2,982,320
2,986,178
2,987,084
2,993,518
44: 2,972,363
46: 2,988,116
2,996,088
47: 2,973,020
2,976,899
2,983,289
2,984,268
2,987,085
2,992,662
2,997,079
2,997,080
3,005,477
3,008,498
3,009,491
3,011,530
49: 2,995,161
51: 2,985,202
52: 2,974,693
68: 2,974,694
2,996,089
2,998,830
84: 2,989,095
85: 2,980,151
89: 3,008,499
102: 2,986,179
2,988,117
120: Re.25,104
2,969,094
2,970,617
2,983,290
132: 2,980,152
2,990,859
3,008,500
133: 2,974,695
2,988,118
3,002,541
3,005,478
135: 2,976,900
2,978,000
2,984,269
2,986,180
2,989,096
2,990,860
141: 2,972,364
148: 2,994,350
155: 2,981,300
156: 2,987,086
157: 2,989,995
158: 2,978,001
162: 2,986,181
166: 2,992,663
168: 2,999,518
169: 2,968,325
174: 3,009,492
3,011,531
175: 2,994,351

Class 144

1: 2,974,696
2,999,519
3,008,501
3,009,493
3,011,532
3,011,533
2: 2,967,552
2,985,203
3,004,568
3,009,494
3: 2,981,301
2,995,162
27: 2,987,087
32: 2,973,021
2,979,089
2,989,096
3,004,569
3,011,534
34: 3,004,570
35: 3,007,500
73: 2,985,204
79: 2,996,090
116: 2,985,205
2,998,038
3,008,502
117: 2,969,816
2,998,039
3,000,410
3,006,389
3,006,390
134: 2,972,365
2,984,270
2,997,081
3,005,479
136: 2,968,326
2,970,618
2,988,119
2,990,861
2,993,519
3,003,527
3,010,495
143: 2,984,271
151: 2,989,274
162: 3,006,391
176: 3,000,411
185: 3,000,412
198: 2,972,366
208: 2,979,090
2,985,206
2,985,207
2,989,097
2,994,352
3,008,503
3,013,593
212: 3,006,392
218: 3,001,558
219: 3,011,535
230: 2,997,082
3,000,413
3,014,511
235: 2,992,664
239: 2,995,163
242: 2,969,095
2,971,547
2,983,291
247: 2,998,040
252: 3,007,501
268: 2,993,520
279: 2,970,619
2,988,120
281: 2,973,790
2,997,083
3,009,495
285: 2,990,862
286: 3,001,559
288: 2,969,096
2,973,022
2,973,791
2,979,091
2,983,292
2,986,182
2,988,121
2,989,098
3,004,571
3,012,593
289: 2,983,293
2,998,831
290: 2,988,122
291: 2,986,183
3,006,393

Class 144—Con.

296: 2,967,553
2,971,548
2,998,832
297: 2,969,817
2,982,321
2,997,084
302: 2,969,818
2,989,099
303: 2,973,792
2,986,184
2,992,665
310: 2,983,294
3,009,496
311: 2,995,164
317: 3,007,502
318: 2,983,295
320: 2,974,697
321: 3,014,512
322: 2,968,327
324: 2,980,153
325: 3,006,394
326: 2,987,088
327: 2,973,793

Class 145

1: 2,969,819
2: 2,989,100
6: 2,986,185
14: 2,969,097
29: 2,980,154
2,983,296
2,994,353
3,000,414
30: 2,983,297
31: 2,966,931
2,984,272
2,996,091
3,007,503
33: 2,974,698
34: 2,988,123
3,002,542
35: 3,009,497
36: 2,989,101
2,989,102
46: 2,979,092
3,010,496
50: 2,985,208
2,994,354
3,003,528
3,007,504
3,013,504
3,014,513
52: 3,012,594
61: 2,985,209
63: 3,006,395
120: 2,978,002
123: 3,001,560

Class 146

2: 2,990,863
2,993,521
3: 2,975,810
4: 2,998,833
13: 2,989,103
3,014,514
17: 2,991,813
25: 2,967,554
2,975,811
2,975,812
2,984,273
3,003,529
33: 2,989,997
40: 2,971,549
43: 2,975,813
2,979,093
2,984,274
2,992,666
3,001,561
3,001,562
3,013,595
46: 2,985,210
47: 2,997,085
52: 2,969,098
2,996,092
55: 2,970,630
56: 2,979,091
2,998,041
67: 3,001,563
72: 2,979,095
73: 2,987,089
76: 2,971,550
2,995,165
78: 3,003,530
3,010,497
79: 2,985,211
81: 2,978,003
83: 2,974,699
85: 2,997,086
86: 2,979,096
3,010,498
88: 2,984,275
3,003,531
94: 2,969,099
2,989,104
3,010,499
96: 2,970,621
98: 3,013,596
101: 2,999,520
102: 2,970,622
2,970,623
2,970,624
2,970,625
3,002,543
106: 2,997,087
109: 3,004,572
115: 2,994,355
119: 2,998,834
121: 2,986,186
122: 2,984,276
123: 2,969,820
2,974,700
2,997,088
124: 2,987,090
130: 2,988,124
2,989,105
153: 3,012,595
169: 2,991,814
180: 3,008,504
182: 2,971,551
2,990,864
3,014,515
184: 3,008,505
186: 2,970,626
189: 2,967,555
2,969,100
192: 2,974,701
216: 2,992,667
3,010,500
3,011,536
227: 2,979,097
2,995,166
238: 3,010,501
239: 3,004,573
280: 2,970,627
296: 2,969,821

Class 148

1.5: 2,971,869
2,973,200
2,974,072
2,974,073
2,974,074
2,975,080
2,977,256
2,977,257
2,978,367
2,979,427
2,979,428
2,979,429
2,980,560
2,981,645
2,981,646
2,983,633
2,985,550
2,986,481
2,988,464
2,989,426
2,992,144
2,992,947
2,993,817
2,993,818
2,994,627
2,994,628
2,996,415
2,998,334
3,000,768
3,001,894
3,001,895
3,001,896
3,002,864
3,003,900
3,005,735
3,006,789
3,007,816
3,009,840
3,009,841
3,010,855
3,012,916
3,013,910
3,014,819
3,014,820
1.6: 2,977,258
2,998,335
2,999,776
3: 2,976,192
6: 2,991,204
3,010,856
6.1: 2,975,081
2,990,304
3,014,821
3,014,822
6.14: 2,981,647
3,012,917
6.15: 2,975,082
2,979,430
2,980,561
2,984,592
2,986,482
2,987,427
2,987,428
2,991,206
2,992,145
2,992,146
3,007,817
6.16: 2,967,791
2,970,955
2,983,634
3,007,818
6.2: 2,977,259
2,987,426
2,988,465
2,989,427
2,991,205
3,009,842
6.21: 2,976,193
6.24: 2,992,948
6.27: 2,977,260
2,993,819
6.3: 2,974,075
2,988,466
11.5: 2,995,478
3,008,853
3,014,823
3,014,824
12: 2,986,483
2,987,429
2,998,336
3,001,897
3,002,865
12.1: 3,009,843
12.7: 2,973,291
2,974,076
2,977,261
13: 2,971,870
2,982,677
2,985,551
3,007,819
3,011,926
13.1: 2,976,194
2,989,428
2,995,479
3,007,820
13.2: 3,007,821
16: 2,971,871
2,992,147
16.5: 2,975,083
16.6: 2,978,368
2,986,484
20.3: 2,989,429
23: 2,978,369
2,980,562
2,981,648
2,992,949
3,000,769
3,001,898
3,003,901
3,006,790
24: 2,978,370
26: 2,975,084
31.55: 2,999,777
2,999,778
32: 2,997,410
3,008,854
3,008,855
32.5: 2,967,792
33: 2,967,793
2,975,085
2,977,262
3,006,791
3,010,857
35: 2,992,950
3,000,770
3,005,736
3,013,911
36: 2,992,148
37: 2,999,039
101: 2,967,794
103: 2,982,678
104: 2,977,263
3,014,825
105: 2,971,872
110: 2,970,075
111: 2,992,951
2,992,952
3,005,737
3,008,856
3,008,857
112: 2,986,485
120: 3,005,738
121: 2,980,563
126: 3,007,822
3,011,927
131: 2,969,209
3,007,823
133: 2,968,586
3,007,824
134: 2,975,086
3,009,844
135: 2,976,195
156: 3,011,928

Class 149

7: 3,013,872
19: 3,013,871
3,014,796

Class 150

.5: 2,969,101
2,969,102
2,978,004
3,001,564
3,006,396
3,012,596
1: 2,970,628
2,979,098
2,991,815
3,001,565
1.5: 2,970,629
2,974,702
2,984,277
2,986,187
2,990,865
3,010,502
1.6: 2,969,822
2,989,998
3: 3,000,415
9: 3,009,498
11: 3,013,597
12: 3,001,566
13: 2,999,521
28: 2,970,630
2,999,522
29: 2,970,631
35: 2,984,278
3,012,597
38: 3,007,505
39: 2,968,328
2,982,322
40: 2,969,823
3,011,537
42: 2,973,023
47: 3,003,532
49: 3,000,416
50: 3,014,516
52: 2,973,791
2,983,298
2,985,212
2,988,125
2,992,668
2,994,356
2,997,089
2,998,012
2,999,523
3,000,417
3,000,419

Class 151

5: 2,995,167
7: 2,989,106
2,989,107
3,001,567
3,004,574
3,010,503
11: 2,976,901
13: 2,997,090
14: 2,987,091
14.5: 2,990,866
21: 3,003,533
3,013,598
36: 3,002,544
38: 2,982,323
41.7: 2,991,816
41.71: 2,968,329
41.72: 2,985,213
41.73: 2,984,279
2,986,188
3,000,420
41.75: 2,967,556
2,974,703
2,975,814
2,982,324
3,009,499
68: 2,980,155
69: 2,967,557
2,972,367
70: 2,992,669
2,996,093

Class 152

6: 2,999,524
158: 2,986,189
2,989,108
175: 3,004,575
3,004,576
3,004,577
3,007,506
176: 2,985,214
2,990,867
182: 2,966,932
208: 3,012,598
209: 2,971,552
2,972,368
3,000,421
3,001,568
3,004,578
3,012,599
210: 2,982,325
211: 2,981,302
3,003,534
216: 2,968,330
2,986,190
217: 2,976,902
218: 2,990,868
219: 2,982,326
220: 2,998,043
221: 3,006,397
223: 3,003,535
225: 2,985,215
3,002,545
228: 2,976,903
2,981,303
232: 3,009,500
233: 2,987,092
2,996,094
236: 2,975,815
2,998,835
3,014,517
237: 2,976,901
241: 2,970,632
2,984,280
330: 2,975,816
2,979,099
2,981,304
2,981,305
2,984,281
2,985,216
2,992,670
2,994,357
2,996,095
3,003,536
3,008,506
339: 2,990,869
340: 2,969,824
2,987,093
342: 3,004,579
349: 2,998,044
3,012,600
352: 2,996,096
354: 2,976,905
2,979,100
2,997,091
3,010,504
356: 2,968,331
2,986,191
2,990,870
2,991,817
2,991,818
357: 2,987,094
2,987,095
361: 2,982,327
2,982,328
2,984,282
2,996,097
2,996,098
3,002,546
362: 2,966,933
2,971,553
2,979,101
2,983,299
2,985,217
2,992,671
2,994,358
2,996,099
3,003,537
3,013,599
367: 3,004,580
370: 2,991,819
405: 2,968,332
3,003,538
410: 2,969,825
2,991,820
3,009,501
3,009,502
413: 3,007,507
415: 3,003,539
416: 2,989,999
417: 2,976,906
427: 2,968,333
2,973,795
2,984,283
2,988,126
2,991,821
2,995,168
429: 2,967,558

Class 153

1: 2,973,024
2,982,329
2,986,192
3,000,422
3,002,547
3,004,581
3,005,480
1: 3,006,398
3,009,503
2: 2,967,559
2,969,103
2,969,826
2,971,554
2,974,704
2,974,705
2,975,817
2,975,818
2,980,156
2,982,330
2,983,300
2,990,871
2,999,525
3,008,507
3,009,504
3,009,505
3,010,505
4: 2,973,796
7: 2,986,193
9: 2,975,819
2,997,092
3,010,506
10: 2,976,907
11: 3,000,423
15: 2,998,015
20: 2,969,827
21: 2,967,560
2,995,169
3,000,424
3,007,508
26: 2,995,170
29: 2,982,331
32: 2,970,633
2,971,555
2,971,556
2,976,908
2,985,218
2,986,194
2,998,836
2,998,837
2,998,838
2,999,526
3,000,425
3,000,426
3,001,569
3,006,399
3,007,509
3,010,507
34: 2,999,527
35: 2,971,557
2,999,528
38: 3,004,582
3,009,507
39: 2,979,102
40: 2,974,706
2,974,707
2,974,708
2,979,103
2,986,195
2,988,127
2,989,109
2,990,000
2,996,100
2,998,046
3,004,583
44: 3,001,584
3,014,518
45: 2,967,561
2,991,822
46: 3,008,508
48: 2,966,934
2,974,709
2,975,820
3,008,509
3,009,508
54: 2,974,710
2,980,157
2,990,001
2,995,171
2,998,047
3,005,481
3,009,509
60: 2,987,096
63: 2,984,284
2,996,101
65: 2,983,301
66: 3,006,400
67: 3,000,427
3,007,510
75: 3,011,538
76: 2,975,821
2,983,302
3,003,540
3,009,510
77: 2,971,558
2,988,128
3,009,511
78: 2,974,711
79: 2,993,522
2,997,093
3,005,482
80: 2,999,529
80.5: 2,974,712
81: 2,981,306
2,998,839
3,011,539
82: 3,013,600
85: 2,989,110
86: 2,984,285
93: 3,006,401
100: 3,014,519
105: 3,008,510
106: 2,999,530

Class 154

1: 2,967,562
2,969,104
2,971,559
2,971,560
2,971,561
2,971,562
2,973,025
2,973,797
2,975,822
2,976,909
2,979,104
2,979,105
2,980,158
2,981,307
2,981,308
2,982,332
2,983,303
2,984,286
2,985,219
2,987,098
2,990,002
2,990,872
2,990,873
2,992,672
2,993,523
2,993,524
2,995,172
2,995,173
2,996,102
2,996,103
2,996,104
2,998,048
2,998,049
3,000,428
3,000,429
3,000,430
3,000,431
1.25: 2,991,824
2,991,825
2,991,826
1.5: 2,999,531
1.6: 2,969,105
2,972,369
2,973,798
2,978,005
2,980,159
2,987,099
2,988,129
2,990,003
2,991,823
2,992,673
2,994,359
2,995,174
2,996,105
2,998,050
3,001,570
1.7: 2,972,370
2,985,220
2,987,100
2,994,360
2,998,051
3,000,432
1.8: 2,966,935
2,968,334
2,970,634
2,979,106
2,979,107
2,985,221
2,992,674
2,993,525
2,993,526
2,995,175
2,998,052
2.22: 2,967,795
2,981,649
2.23: 2,970,936
2,997,411
2.24: 2,979,431
2.25: 2,971,873
2,975,087
2.26: 2,975,088
2,980,564
2,980,565
2,989,430
2.27: 2,970,937
2,980,566
2,986,486
2,988,467
2,993,820

2.28: 2,978,371
2,997,412
2.5: 2,989,111
2.6: 2,979,108
2,987,101
2,996,106
2,998,840
3,001,571
2.65: Re.24,933
2,980,567
2,990,306
2.7: 2,974,077
2,982,679
2,983,635
2,990,305
2,992,953
2,994,629
2,995,480
2,996,416
3,009,845
2.71: 2,976,196
2,999,040
2,999,779
2.74: 2,991,207
2.75: 2,976,197
2.77: 3,008,858
4: 2,983,304
2,985,222
2,995,176
8: 2,967,563
2,974,713
2,988,130
9: 2,967,564
2,971,563
2,974,714
2,979,109
2,980,160
2,981,309
2,986,196
2,988,131
2,995,177
2,996,107
2,996,108
2,998,053
10: 2,971,564
2,979,110
2,981,310
2,988,132
2,997,094
2,997,095
14: 2,966,936
2,973,799
2,974,715
2,976,910
2,979,111
2,980,161
2,990,874
2,995,178
16: 2,975,823
17: 2,973,800
23: 2,969,828
25: 2,986,197
2,987,102
2,987,103
26: 2,986,198
2,987,104
2,995,179
27: 2,997,096
28: 2,988,133
3,000,433
29: 2,990,004
30: 2,995,180
2,998,841
31: 2,974,716
2,979,112
2,985,223
32: 2,978,006
2,987,105
2,993,527
33.05: 2,968,335
2,982,333
33.1: 2,997,097
41: 2,968,336
2,983,305
2,989,112
42: 2,971,565
2,972,371
2,973,801
2,974,717
2,975,824
2,978,007
2,978,008
2,979,113
2,979,114
2,982,334
2,983,306
2,984,287
2,984,288
2,987,106
2,987,107
2,988,134
2,989,113
2,990,875
2,993,528
2,994,361

42: 2,995,181
2,997,098
2,998,842
2,999,532
2,999,533
3,000,434
3,001,572
42.1: 2,972,372
2,973,802
2,979,115
2,994,362
42.3: 2,984,289
2,987,108
2,991,827
2,997,099
43: 2,973,292
2,974,078
2,974,079
2,977,264
2,977,265
2,978,372
2,990,307
2,997,413
3,002,866
3,002,869
3,007,827
3,007,828
3,013,913
3,013,914
3,013,915
3,013,916
3,014,826
43.5: 2,973,293
44: 2,980,568
2,985,552
2,998,337
3,003,902
3,006,403
3,011,929
3,012,603
3,014,827
45: 2,978,373
3,004,877
45.9: 2,973,294
2,980,569
2,985,553
2,996,417
3,000,902
3,000,903
3,002,867
3,004,878
3,011,932
46: 2,982,680
2,982,681
2,984,593
2,988,468
2,989,431
2,991,208
2,992,149
2,993,821
2,994,630
2,999,041
3,001,899
3,010,858
3,011,930
3,012,918
46.8: 3,013,917
3,013,918
3,014,828
49: 2,975,089
3,002,868
3,010,859
3,012,919
3,014,829
50: 2,975,090
3,003,903
3,007,825
3,010,860
52: 2,992,150
2,998,338
3,011,931
52.1: 2,977,266
2,983,636
2,983,637
2,984,594
3,000,771
3,007,826
52.5: 2,991,209
3,000,772
3,001,900
53: 2,992,151
53.5: 2,969,106
2,972,558
2,975,091
2,985,554
2,985,555
3,006,793
3,009,846
53.6: 2,980,570
3,009,847
3,013,919
54: 2,967,122
2,983,638
3,009,848

55: 2,995,481
75: 3,001,901
79: 2,977,267
2,990,308
3,001,902
80: 2,979,432
2,992,954
2,997,414
81: 2,976,198
2,980,571
2,989,432
83: 2,967,796
2,971,874
2,971,875
2,977,268
2,977,269
2,990,309
2,991,210
2,998,339
2,999,780
85: 2,976,199
2,992,955
89: 2,976,200
90: 2,992,956
91: 2,979,433
93: 2,977,270
94: 2,984,595
2,990,310
95: 2,978,374
2,984,596
2,990,311
2,991,211
2,996,418
2,997,415
96: 2,969,300
99: 2,970,076
2,984,597
100: 2,973,295
2,992,152
3,001,903
101: 2,982,682
2,988,469
102: 2,985,556
104: 2,978,375
2,997,416
106: 2,969,301
110: 2,978,376
2,982,683
2,991,212
2,993,822
116: 2,973,296
2,975,092
2,976,201
2,980,572
2,983,639
2,991,213
2,992,957
2,993,823
2,995,482
2,998,340
2,999,042
3,001,904
116.5: 2,994,631
3,001,905
117: 2,987,430
118: Re.24,937
2,977,271
2,980,573
2,991,214
2,993,824
2,997,417
2,999,043
3,001,906
119: 2,986,487
120: 2,984,598
2,999,781
3,000,773
121: 2,987,431
2,991,215
3,000,774
122: 2,983,640
124: 2,998,341
125: 2,991,216
2,992,153
126: 2,997,418
2,997,419
126.5: 2,992,958
128: 2,980,574
2,989,433
2,992,959
2,992,960
2,992,961
2,996,419
2,998,342
129: 2,970,077
2,974,080
2,978,377
2,981,650
2,981,651
2,983,641
2,998,343
132: 2,977,272
136: 2,975,093
2,997,420

136: 2,999,782
138: 2,975,094
2,980,575
2,990,312
139: 2,968,587
2,968,588
2,970,078
2,971,876
2,972,559
2,976,202
2,983,642
2,983,643
2,984,599
2,990,313
2,991,217
2,992,962
2,993,825
2,994,632
2,996,420
3,000,775
140: 2,975,095
2,976,203
2,976,204
2,977,273
2,981,652
2,993,826
423: 2,998,843

Class 155

2: 2,967,565
2,970,635
2,970,636
2,985,224
2,987,109
2,989,343
5: 2,966,937
5.16: 2,966,938
5.23: 2,980,162
6: 2,981,311
8: 2,985,225
9: 2,971,566
2,984,200
2,986,199
10: 2,988,135
11: 2,974,718
14: 2,978,009
2,980,163
2,982,335
2,983,307
17: 2,967,566
2,974,719
18: 2,968,337
2,976,911
22: 2,981,312
2,989,114
25: 2,985,226
30: 2,982,336
2,986,200
35: 2,969,829
38: 2,971,567
2,976,912
43: 2,968,338
2,981,313
2,990,005
44: 2,969,830
45: 2,969,107
2,971,568
49: 2,988,136
51: 2,985,227
53: 2,981,314
54: 2,981,315
65: 2,980,164
77: 2,970,637
2,971,569
2,973,026
78: 2,982,337
79: 2,984,291
80: 2,982,338
81: 2,969,108
93: 2,987,110
2,989,280
94: 2,989,279
105: 2,986,201
106: 2,966,939
2,968,339
2,973,027
2,974,720
2,976,913
2,978,010
2,978,011
2,979,116
2,984,292
2,989,342
2,990,006
107: 2,984,293
123: 2,973,028
124: 2,973,803
2,979,117
2,983,308
127: 2,979,118
128: 2,980,165
130: 2,987,111
139: 2,972,373

142: 2,975,825
143: 2,982,339
2,990,007
147: 2,973,804
148: 2,971,570
2,984,294
149: 2,978,012
152: 2,978,013
155: 2,988,398
157: 2,980,166
159: 2,978,014
2,981,316
160: 2,972,374
162: 2,987,112
169: 2,983,309
170: 2,976,914
172: 2,971,571
173: 2,973,029
174: 2,983,310
175: 2,973,030
2,987,113
177: 2,975,826
2,976,915
2,982,340
2,985,228
2,985,229
2,989,341
2,990,008
178: 2,976,916
2,981,317
2,982,341
2,987,114
179: 2,968,340
2,973,805
2,980,167
2,981,318
2,982,342
2,982,343
2,988,137
181: 2,980,168
2,985,230
182: 2,973,806
2,980,169
2,987,115
187: Re.24,964
2,974,721
2,979,119
188: 2,968,341
2,979,120
2,982,344
2,986,202
189: 2,978,015
2,979,121
2,990,009
191: 2,969,831
2,970,638
2,970,639
2,979,122
2,987,116
2,989,115
194: 2,973,031
2,973,807
2,975,827
2,981,319
2,986,203
196: 2,990,010
197: 2,969,832
198: 2,968,342
2,971,572
2,980,170

Class 156

3: 3,003,904
3,004,835
3,006,795
3,010,863
8: 3,007,829
11: 3,012,920
13: 3,006,796
17: 3,007,830
3,012,921
20: 3,004,879
3,007,780
3,008,812
21: 3,009,849
28: 3,006,797
3,012,922
30: 3,012,923
36: 3,014,830
47: 3,005,739
51: 3,006,792
52: 3,007,831
64: 3,004,880
3,010,864
66: 3,000,904
70: 3,002,870
73: 3,002,871
78: 3,013,924
79: 3,008,859
80: 3,007,832
85: 3,007,833
89: 3,006,794
3,012,924
93: 3,000,905

95: 3,005,740
99: 3,009,850
152: 3,005,741
153: 3,013,925
159: 3,009,851
161: 3,009,512
167: 3,010,865
171: 3,008,860
181: 3,012,925
185: 3,010,862
187: 3,005,742
191: 3,013,921
192: 3,006,402
194: 3,002,872
3,013,920
197: 3,006,798
3,007,834
199: 3,010,861
3,012,926
201: 3,000,906
3,011,933
205: 3,002,873
219: 3,010,866
222: 3,000,901
229: 3,008,861
244: 3,008,862
251: 3,003,905
3,007,835
253: 3,004,881
263: 3,003,541
269: 3,003,906
283: 3,006,799
290: 3,006,800
310: 3,007,836
331: 3,005,743
3,013,926
339: 3,008,863
3,012,604
350: 3,003,542
353: 3,008,864
361: 3,000,310
367: 3,010,867
3,011,931
378: 3,000,570
380: 3,006,801
3,006,802
386: 3,000,572
391: 3,007,511
397: 3,002,874
400: 3,010,868
401: 3,014,521
406: 3,012,602
3,014,831
407: 3,006,803
417: 3,002,875
422: 3,011,540
423: 3,004,882
424: 3,013,927
429: 3,004,585
438: 3,005,484
443: 3,008,511
414: 3,000,660
459: 3,010,508
461: 3,007,837
475: 3,013,928
479: 3,011,935
482: 3,011,936
506: 3,004,883
510: 3,008,865
523: Re.25,056
526: 3,006,495
3,007,838
537: 3,003,907
540: 3,008,806
566: 3,005,744
571: 3,005,565
579: 3,009,852
3,013,929
581: 3,013,930
583: 3,005,483
3,012,601
588: 3,011,937
594: 3,002,876

Class 157

1.1: 3,014,522
1.2: 2,972,375
2,978,016
3,013,601
1.21: 2,968,343
2,998,055
1.22: 2,974,722
1.24: 2,984,295
2,989,116
1.26: 2,978,017
3,002,548
3,003,544
3,006,404
1.28: 3,008,512
13: 2,968,344
2,972,376
2,979,123
2,985,231

13: 2,986,204
2,986,205
2,992,675
2,995,183
2,996,109
2,996,110
3,002,549
3,003,545
3,004,587

Class 158

1: 2,973,808
2,991,832
2,994,367
1.5: 2,981,320
2,982,345
2,984,296
3,014,523
4: 2,982,346
2,986,206
3,003,546
7: 2,976,917
2,985,232
2,986,207
2,988,138
3,005,485
3,008,513
11: 2,969,833
2,973,032
2,980,171
2,982,347
3,000,435
3,007,512
13.6: 2,996,111
27.4: 2,974,723
2,986,208
2,993,531
2,995,184
3,004,588
3,008,514
28: 2,966,940
2,971,573
2,973,033
2,978,018
2,979,124
2,979,125
2,984,297
2,986,209
2,988,739
2,989,117
2,990,877
2,990,878
2,997,101
3,002,550
3,006,405
3,011,541
3,011,542
32: 3,006,406
33: 3,001,573
3,002,551
35: 3,003,547
36: 2,968,345
2,968,346
2,968,347
2,969,109
2,976,918
2,980,172
2,995,185
36.3: 2,970,640
2,980,173
2,980,174
2,998,056
2,998,057
2,998,844
3,000,436
3,001,574
3,006,407
3,010,509
36.4: 2,968,348
2,969,110
2,970,641
2,971,574
2,971,575
2,980,175
2,980,176
2,987,117
3,007,513
3,007,514
3,008,515
36.5: 2,997,102
36.6: 2,974,724
2,975,828
2,981,322
38: 3,005,486
42.1: 3,008,516
46: 2,983,311
46.5: 2,971,576
3,001,575
50.1: 2,980,177
53: 2,996,112
76: 2,968,349
2,975,829
2,976,919

Class 158—Con.

76: 2,976,920
2,982,348
2,982,349
3,001,576
3,003,548
3,007,515
3,007,516
77: 2,976,921
2,980,879
79: 2,983,312
91: 2,966,941
2,966,942
2,966,943
2,983,313
2,991,368
96: 2,966,944
2,966,945
99: 2,976,922
2,987,118
2,999,534
105: 2,993,532
106: 2,971,577
109: 2,971,578
112: 3,006,108
113: 2,982,350
2,987,119
2,992,676
2,996,535
3,007,517
114: 3,013,602
115: 2,980,178
2,993,533
2,993,534
2,996,113
2,998,058
3,001,589
116: 2,979,126
2,985,233
2,985,234
3,002,552
3,002,553
117: 2,992,677
117.5: 2,980,118
3,009,513
118: 2,989,119
119: 2,992,459
2,992,678
123: 2,981,323
2,982,351
2,999,536
3,008,517
125: 2,981,321
2,983,314
128: 2,984,298
130: 3,002,551
131: 3,005,487
144: 3,003,549
144: 2,988,140
364: 2,981,321

Class 159

2: 2,962,679
3: 2,969,111
4: 2,980,179
2,990,011
2,998,059
3,011,543
6: 2,971,725
7: 2,996,114
13: 3,004,500
28: 2,998,060
47: 2,981,325
2,994,369
49: 3,009,511

Class 160

5: 3,005,188
19: 2,989,120
23: 2,978,019
25: 2,987,120
26: 2,984,209
27: 3,008,518
28: 3,005,489
29: 3,001,577
32: 2,998,061
33: 3,000,137
37: 2,983,315
39: 2,998,062
40: 2,970,642
62: 2,967,567
2,980,180
2,982,352
3,002,555
3,003,550
3,004,591
84: 2,986,210
3,006,409
89: 2,991,370
91: 2,980,181
3,012,605
92: 2,975,830
3,002,556
101: 2,969,834
114: 3,004,592
115: 2,979,127
121: 2,970,643
126: 3,001,578
162: 2,990,880
166: 3,014,524
168: 2,996,115
3,014,525
169: 3,008,519
173: 2,993,535
174: 2,983,316
176: 2,975,831
177: 2,999,537
183: 2,978,020
2,982,353
188: 2,981,326
2,987,121
191: 2,978,021
193: 2,990,012
196: 3,003,551
201: 2,980,182
3,004,593
206: 2,973,809
2,993,536
216: 2,998,063
223: 3,008,520
229: 2,976,923
231: 2,991,371
330: 2,975,832
331: 3,003,552
342: 3,013,603
344: 3,001,579
3,013,604
348: 2,979,128
2,985,235
2,996,116
2,996,117
351: 3,002,557
352: 2,972,377
364: 2,984,300
368: 2,969,112
2,971,579
2,979,129
3,014,526
369: 2,997,103
3,009,515
378: 2,981,327
381: 3,009,516
391: 2,978,022

Class 162

.4: 2,977,274
.9: 2,992,154
11: 3,013,931
3,013,932
14: 2,999,783
16: 2,994,633
17: 2,988,470
2,996,421
3,007,839
3,012,927
18: 2,975,096
19: 2,968,589
2,996,422
2,999,784
30: 2,978,378
2,999,044
33: 2,971,081
3,003,908
36: 2,987,332
3,003,908
3,006,804
52: 2,996,123
55: 2,992,455
60: 2,999,785
61: 2,993,827
64: 2,977,275
68: 3,013,933
74: 3,002,877
76: 3,003,910
77: 2,999,045
83: 3,013,934
93: 2,998,780
100: 3,003,911
101: 2,971,877
3,006,805
3,007,840
111: 3,014,832
3,014,833
112: 2,996,424
113: 2,996,425
118: 2,977,276
122: 3,000,776
124: 3,002,878
3,011,938
129: 2,999,786
132: 3,014,834
135: 2,999,787
3,000,777
3,002,879
3,012,928
138: 2,994,634
142: 3,013,935
145: 3,007,841
3,012,929
146: 2,999,788
152: 3,005,745
3,008,867
153: 2,971,878
154: 3,014,835
156: 3,012,930
157: 2,976,205
2,987,433
2,987,434
2,992,156
2,998,344
3,002,880
3,003,912
3,013,936
158: 2,967,797
2,986,488
3,006,806
161: 3,006,807
164: 2,969,302
2,970,079
166: 2,986,489
3,002,881
3,004,884
168: 2,972,560
2,992,963
169: 2,971,879
175: 2,980,576
3,001,907
178: 2,992,964
179: 2,978,382
2,994,635
3,008,868
180: 2,995,483
181: 3,014,836
184: 2,993,828
192: 2,992,157
194: 3,013,937
199: 2,992,965
3,005,746
3,013,938
200: 2,981,653
3,011,939
201: 2,990,789
203: 3,977,277
205: 3,000,778
208: 2,995,484
212: 2,970,938
214: 2,995,485
217: 2,991,218
220: 2,990,314
222: 2,986,490
223: 3,013,939
227: 3,010,869
229: 3,007,842
237: 2,969,113
2,985,236
2,993,537
2,999,538
251: 2,998,064
252: 2,998,845
3,005,490
253: 2,969,835
257: 2,988,141
259: 3,000,438
273: 2,976,924
284: 3,003,553
3,006,410
289: 3,011,544
295: 2,969,836
2,995,186
297: 2,998,846
3,007,518
304: 2,987,122
307: 2,990,013
2,990,014
314: 3,000,439
318: 2,975,833
328: 2,974,726
336: 3,014,527
338: 2,970,641
3,002,558
339: 2,973,034
3,009,517
340: 2,971,580
2,979,130
344: 3,010,510
347: 2,993,538
348: 2,969,114
2,978,023
2,992,681
3,001,580
349: 3,013,605
355: 3,013,606
361: 2,972,378
2,979,131
3,011,545
367: 2,981,328
2,981,329
2,990,015
371: 2,969,837
374: 2,976,925
377: 3,001,581
380: 3,007,519
382: 3,010,511
390: 2,995,187
3,011,546
391: 2,986,211
392: 2,995,188
396: 2,996,118
407: 2,967,568
411: 2,981,330
3,001,582
3,005,491
416: 2,980,183

Class 166

1: 3,012,606
3,014,528
4: 2,973,811
2,981,331
3,000,440
3,008,521
3,014,529
7: 2,994,372
9: 2,968,350
2,976,926
2,988,142
2,991,373
3,003,554
3,006,411
10: 3,013,607
11: 2,973,812
2,973,813
2,985,238
2,994,374
2,994,375
2,994,376
2,994,377
3,000,441
3,004,594
3,004,595
3,004,596
3,004,597
3,007,520
3,007,521
3,010,512
3,010,513
12: 2,981,332
2,981,333
2,981,334
15: 2,978,024
2,998,065
3,007,522
20: 3,005,492
21: 2,986,212
3,003,555
3,010,514
3,013,608
29: 2,987,298
2,990,016
3,004,598
30: 3,001,583
3,014,530
31: 2,985,239
2,995,189
32: Re.24,942
33: 3,011,547
35: 3,003,556
36: 2,988,143
38: 2,990,881
3,004,599
39: 2,999,539
2,999,540
3,004,600
3,004,601
3,012,607
3,013,609
41: 2,998,066
3,014,531
42: 2,970,645
2,975,834
2,975,835
2,978,025
2,986,213
3,000,442
3,003,557
3,007,523
3,011,548
43: 3,003,558
44: 2,978,026
45: 2,970,646
46: 2,972,379
2,972,380
2,973,035
2,973,036
2,988,144
2,989,121
2,991,833
2,998,067
3,011,549
47: 3,004,602
51: 2,978,027
54.5: 3,010,515
55: 2,969,838
2,986,214
55: 2,998,068
3,005,493
3,011,550
3,012,608
55.1: 2,973,037
3,011,551
55.4: 3,012,609
55.5: 2,974,727
55.6: 3,006,412
55.7: 2,991,834
2,999,541
55.8: 2,976,927
3,003,559
57: 2,980,184
2,997,104
59: 2,985,240
2,997,105
3,004,603
3,010,516
60: 2,982,354
61: 2,998,069
63: 2,969,839
2,970,647
2,978,028
2,978,029
3,001,584
3,002,559
64: 2,999,542
66.5: 3,012,610
67: 2,986,215
3,011,552
68: 2,982,355
3,011,553
70: 2,984,301
3,003,560
72: 2,994,378
2,998,070
3,007,524
75: 2,976,928
2,976,929
2,981,335
77: 2,998,071
77.5: 3,002,560
81: 2,994,379
82: 3,006,413
85: 2,976,930
2,998,847
3,014,532
88: 2,973,038
2,978,030
2,984,302
99: 2,993,539
3,003,561
100: 3,009,518
3,010,517
3,011,554
105: 2,992,682
108: 3,003,562
114: 2,978,031
2,982,356
2,984,303
2,986,216
3,003,563
3,003,564
115: 2,970,648
2,982,357
3,008,522
117.5: 2,978,032
2,988,146
119: 2,990,882
120: 2,982,358
2,990,883
3,002,561
121: 2,970,649
122: 3,011,555
123: 2,998,072
124: 2,970,650
3,006,414
125: 2,972,381
2,976,931
3,002,562
129: 2,999,543
3,008,523
133: 3,002,563
134: 2,998,073
2,999,544
3,013,610
3,013,611
135: 3,000,443
136: 3,005,494
138: 2,979,132
142: 3,001,585
147: 3,012,611
148: 2,971,581
152 3,003,565
153: 2,999,545
156: 3,006,415
157: 2,990,017
162: 2,968,351
169: 3,004,604
170: 3,007,525
172: 2,998,074
173: 2,968,352
2,982,359
173: 2,990,884
3,011,556
176: 2,969,115
2,979,133
2,997,106
3,004,605
178: 2,981,336
2,988,147
182: 3,004,606
184: 3,010,518
187: 2,966,946
2,979,134
2,988,148
2,993,540
189: 2,975,836
191: 2,994,380
194: 2,998,075
196: 2,986,217
204: 2,997,107
205: 2,969,840
206: 2,992,683
3,007,526
208: 3,012,612
211: 2,980,185
212: 2,970,651
3,002,564
3,011,557
3,011,558
214: 2,991,835
216: 2,989,122
217: 3,002,565
3,006,416
222: 2,997,108
2,998,076
224: 2,973,039
2,994,381
2,999,546
3,002,566
3,014,533
225: 3,007,527
3,011,559
3,013,612
226: 2,976,932
2,998,077
228: 2,973,814
2,978,033
230: 2,985,241
235: 3,009,519
237: 2,988,149
2,993,541
2,998,078
241: 2,971,582
2,975,837
2,998,848
3,000,444
242: 2,982,360
243: 2,969,841
2,976,933
2,976,934
2,983,318
2,993,542
2,994,382

Class 167

14: 2,968,590
2,971,880
2,994,636
3,012,931
16: 2,998,345
3,003,913
17: 2,977,278
2,988,471
2,997,421
18: 2,987,435
20: 2,976,206
22: 2,967,123
2,967,124
2,967,798
2,968,591
2,969,303
2,970,080
2,970,939
2,970,940
2,971,881
2,971,882
2,972,561
2,973,297
2,974,082
2,977,279
2,979,434
2,979,435
2,980,577
2,980,578
2,981,654
2,981,655
2,983,644
2,983,645
2,988,472
2,990,315
2,990,316
2,990,317
2,990,318
2,990,319
2,991,219
22: 2,991,220
2,991,221
2,995,486
2,998,346
2,998,347
3,000,779
3,001,908
3,002,882
3,003,914
3,003,915
3,004,885
3,004,886
3,004,887
3,005,747
3,005,748
3,007,843
3,008,869
3,008,870
3,009,853
3,009,854
3,010,870
3,012,932
3,013,940
24: 2,990,320
27: 2,988,473
30: Re. 24,960
2,967,125
2,967,126
2,967,799
2,970,081
2,970,941
2,972,562
2,972,563
2,974,083
2,979,436
2,980,579
2,982,685
2,982,686
2,984,600
2,986,491
2,987,436
2,988,474
2,988,475
2,988,476
2,990,321
2,990,322
2,990,323
2,991,222
2,992,158
2,992,159
2,992,966
2,992,967
2,993,829
2,995,487
2,995,488
2,999,046
3,003,916
3,005,749
3,006,808
3,008,871
3,010,871
3,012,933
3,014,837
3,014,838
3,014,839
31: 2,971,883
2,986,492
2,988,477
2,990,324
2,998,348
3,002,883
3,011,940
3,012,934
32: 3,009,855
33: 2,971,884
2,974,084
2,974,085
2,976,207
2,980,580
2,980,581
2,982,687
2,982,688
2,986,493
2,987,437
2,988,478
2,989,435
2,989,436
2,990,325
2,992,968
2,994,637
2,999,047
3,000,780
3,000,781
3,002,884
3,005,750
3,008,872
3,011,941
3,012,935
3,014,840
37: 3,011,942
38: 2,967,800
2,992,160
38.5: 3,007,844
38.6: 3,005,751

39: 2,980,582
2,988,479
3,005,752
42: 2,967,127
2,976,208
2,976,209
2,976,210
2,976,211
2,992,161
2,993,830
2,996,426
46: 2,967,128
2,992,969
2,994,638
3,002,885
48: 2,974,086
3,006,809
49.5: 3,000,782
50: 2,992,970
51.5: 2,973,298
2,990,326
3,010,872
52: 2,975,097
2,987,438
2,991,223
2,993,831
2,995,489
2,996,427
3,000,783
3,012,936
53: 2,971,885
2,983,646
3,000,784
3,005,753
3,006,810
3,007,845
3,008,873
3,009,856
3,009,857
3,011,943
3,013,941
53.1: 2,973,299
2,974,087
2,993,832
2,995,490
3,001,909
3,006,811
53.2: 2,968,592
2,977,280
3,004,888
55: 2,968,158
2,971,886
2,981,656
2,981,657
2,985,557
2,986,494
2,990,327
2,990,328
2,993,833
2,994,639
2,999,790
3,001,910
3,008,874
3,011,944
3,012,937
56: 2,970,942
58: 2,975,098
2,978,379
2,980,583
2,988,480
2,989,437
2,993,834
3,007,846
59: 2,987,439
60: 2,991,224
63: 2,976,212
64: 2,975,099
65: Re.25,085
2,967,129
2,967,130
2,970,082
2,970,943
2,971,887
2,971,888
2,972,564
2,973,300
2,976,213
2,977,281
2,977,282
2,978,380
2,978,381
2,979,437
2,980,584
2,980,585
2,982,689
2,986,573
2,987,440
2,987,441
2,987,442
2,988,481
2,990,329
2,990,330
2,990,331
2,990,332
2,991,225

65: 2,992,162
2,992,163
2,992,164
2,993,835
2,994,640
2,995,491
2,995,492
2,997,422
2,999,048
2,999,049
3,000,785
3,000,786
3,001,911
3,002,886
3,004,889
3,004,890
3,004,891
3,005,754
3,006,812
3,006,813
3,008,875
3,008,876
3,009,858
3,009,859
3,010,873
3,011,945
3,011,946
3,011,947
3,011,948
3,012,938
3,012,939
3,012,940
3,013,942
3,013,943
3,014,841
66: 2,972,565
2,977,283
3,004,892
67: 2,985,558
2,989,434
2,999,050
3,005,755
3,007,847
68: 2,982,690
2,985,559
72: 2,994,641
73: 2,983,647
2,995,493
3,003,917
3,004,893
74: 2,968,593
2,974,088
2,983,648
2,985,560
2,987,443
2,989,438
2,992,165
2,995,494
2,996,428
2,999,791
3,000,787
3,002,887
3,002,888
3,003,918
3,005,756
3,008,877
3,008,878
3,010,874
3,012,941
3,013,944
74.6: 2,985,561
75: 3,014,842
77: 2,967,801
2,970,944
2,977,284
2,983,649
78: 2,967,802
2,980,586
2,981,658
2,988,482
2,996,429
2,998,349
3,000,788
3,006,814
80: 3,014,843
81: 2,980,587
2,980,588
2,982,691
2,987,444
2,995,495
2,996,430
3,012,942
82: 2,971,889
2,976,214
2,980,589
2,985,562
2,987,445
2,988,483
2,988,484
2,991,226
2,993,836
2,993,837
2,996,431
2,997,423
2,998,350

82: 3,004,894
3,011,949
3,014,844
83: 2,973,301
2,990,333
2,990,334
3,007,848
84: 3,004,895
84.5: 2,970,945
2,975,100
2,990,335
2,991,227
2,992,166
2,992,971
2,999,792
3,010,875
85: 3,011,950
87.1: Re.25,022
2,976,215
2,976,216
2,983,650
2,990,336
88: 2,975,101
2,983,651
2,991,228
89: 2,988,485
90: 2,970,083
2,974,089
2,976,217
2,996,432
3,004,896
3,009,860
91: 2,987,446
2,988,486
92: 2,987,447
93: 2,967,131
2,975,102
2,991,229
2,994,642
3,003,919
3,003,920
3,004,897
95: 2,996,433

Class 169

1: 2,967,570
2,969,116
2,985,212
2,990,885
2,996,119
2: 2,988,150
3,001,586
6: 2,990,886
9: 3,012,613
14: 2,988,151
2,989,123
16: 2,994,383
17: 2,969,842
19: 2,989,124
25: 3,010,519
31: 2,973,040
3,005,495
3,010,520
33: 2,967,571
40: 3,010,521
41: 3,007,528

Class 170

29: 2,990,887
60: 2,986,218
68: 2,967,572
2,970,652
2,973,041
2,997,109
3,013,613
74: 2,986,219
135.22: 2,983,319
3,000,445
3,012,614
135.24: 2,973,042
2,980,187
2,982,361
2,989,125
2,994,385
2,997,110
3,008,524
135.26: 2,980,186
135.29: 2,989,126
2,990,888
3,007,529
135.4: 2,976,935
2,984,304
2,984,305
2,988,152
2,994,384
3,005,496
135.7: 2,998,079
135.71: 2,992,684
135.72: 2,978,034
2,985,243
2,988,153
2,995,190

135.74: 2,978,035
2,986,220
3,011,560
135.75: 2,984,306
2,986,221
3,001,587
146: 2,988,154
148: 2,971,583
151: 2,978,036
159: 2,967,573
2,972,382
2,974,728
2,981,337
2,992,685
2,995,191
2,996,120
3,000,446
3,002,567
3,004,607
3,013,614
3,013,615
3,014,534
160.11: 2,992,686
2,996,121
2,998,080
160.12: 2,966,947
2,981,339
160.14: 3,001,588
160.15: 2,978,037
160.16: 2,971,584
2,975,838
2,998,850
3,004,608
160.17: 2,979,135
2,986,223
160.2: 2,980,188
2,986,222
2,998,849
160.21: 2,992,687
3,002,568
3,003,566
160.22: 3,008,525
160.23: 2,987,123
2,988,155
3,006,417
160.24: 3,006,418
160.25: 2,969,177
2,973,815
2,978,038
2,978,039
2,994,386
2,995,192
2,996,122
160.26: 3,007,530
160.27: 3,002,569
160.32: Re.25,096
2,969,118
2,971,585
2,974,729
2,974,730
2,981,340
2,985,244
2,992,688
2,993,543
2,996,123
3,004,609
3,006,419
160.33: 3,003,567
160.43: 3,000,417
160.51: 2,974,731
160.52: 2,990,018
160.53: 2,988,156
3,005,497
160.54: 2,993,544
160.56: 2,971,586
160.58: 2,983,320
2,997,111
160.6: 2,981,338
170: 2,978,040
2,990,889
173: 2,985,245
176: 3,011,561

Class 171

16: 3,013,616
18: 2,997,112
20: 2,995,193
58: 2,972,383
2,973,816
2,993,545
3,010,522
63: 2,971,587
2,972,384
2,980,189
2,995,194
3,010,523
89: 2,990,019
2,997,113
92: 3,000,448
101: 2,999,547
109: 3,005,498
116: 2,997,114
126: 2,976,936

Class 172

2: 2,969,119
2,981,341
3: 3,005,499
4: 2,970,653
5: 3,006,420
6: 2,974,732
3,005,500
7: 2,968,353
2,974,733
2,998,851
3,001,589
3,002,570
3,003,568
3,004,610
3,014,535
8: 2,981,342
3,013,617
9: 2,973,043
2,974,734
2,996,124
2,996,125
3,002,571
3,014,536
15: 2,978,041
3,006,421
16: 2,986,224
2,992,689
17: 3,011,562
18: 2,998,852
20: 2,987,124
2,998,081
22: 3,011,563
28: 2,968,354
42: 2,989,127
43: 2,990,890
45: 3,008,526
50: 3,011,564
58: 2,980,190
3,014,537
63: 2,968,355
67: 2,973,044
72: 2,966,948
78: 3,009,520
3,012,615
94: 3,000,449
3,000,450
3,012,616
98: 2,976,937
108: 2,974,735
109: 3,002,572
125: 2,975,839
2,998,082
126: 2,979,136
3,002,573
128: 2,975,840
2,975,841
142: 3,006,422
146: 2,971,588
164: 2,980,191
170: 3,010,524
189: 2,997,115
210: 2,982,362
212: 2,999,548
3,013,618
222: 2,973,045
221: 2,969,843
225: 3,007,531
239: 2,970,654
2,971,589
2,973,817
2,990,891
2,997,116
240: 2,999,620
252: 2,975,812
264: 3,012,617
269: 3,011,565
272: 2,979,137
2,996,126
273: 2,971,590
3,014,538
274: 2,981,343
275: 2,996,127
284: 2,982,363
298: 2,974,736
308: 3,004,611
316: 2,970,655
2,985,246
323: 2,978,042
328: 2,967,574
370: 2,975,843
371: 2,969,120
372: 3,000,451
3,000,452
376: 2,976,938
2,988,157
383: 2,998,853
386: 2,981,344
399: 2,983,321
393: 2,987,125
395: 2,968,356
404: 2,990,892
413: 2,970,656
2,985,247

443: 3,014,539
444: 2,971,591
446: 2,967,575
447: 2,989,128
449: 2,996,128
450: 2,987,126
451: 3,001,590
455: 2,970,657
456: 2,970,658
2,973,818
2,974,737
2,990,893
460: 2,996,129
484: 2,975,844
2,987,127
2,997,117
501: 2,970,659
514: 3,010,525
515: 2,989,129
522: 2,976,939
523: 2,983,322
3,006,423
527: 2,998,083
528: 2,987,128
543: 3,010,526
545: 2,991,836
556: 2,995,195
3,008,527
568: 2,972,385
2,974,738
3,014,540
572: 2,971,592
579: 2,979,138
583: 2,967,576
587: 2,994,387
591: 3,014,541
596: 2,996,130
597: 2,981,345
599: 2,975,845
3,005,501
600: 2,973,819
2,998,854
618: 2,990,021
619: 2,985,248
635: 2,979,139
2,994,388
2,998,855
640: 3,007,532
656: 2,972,386
676: 2,979,140
699: 3,002,574
700: 3,001,591
715: 3,013,619
726: 3,005,502
730: 3,007,533
739: 2,972,387
762: 3,013,620
765: 2,971,593
770: Re.25,074
2,992,690

Class 174

2: 2,993,081
3,009,982
5: 3,007,995
7: 3,012,089
12: 2,986,593
14: 2,981,785
2,985,706
15: 2,985,707
2,989,577
2,990,443
2,994,732
3,013,101
16: 2,992,290
17: 2,991,326
18: 2,976,343
3,009,983
19: 2,969,415
2,985,708
22: 2,967,899
24: 2,980,755
28: 2,967,900
2,997,519
2,998,472
3,009,008
34: 2,978,530
35: 2,973,400
2,974,183
2,978,531
2,981,786
3,005,036
3,009,984
3,013,102
3,013,103
40: 2,973,401
2,973,402
2,973,403
2,974,184
3,002,043
3,007,996
42: 2,969,416
2,999,894

43: 2,998,473
45: 2,977,402
3,005,866
46: 2,969,417
47: 2,998,474
48: 2,968,689
49: 3,005,037
50: 2,988,591
3,002,044
50.54: 3,005,867
51: 2,974,485
3,004,095
52: 2,970,182
2,975,227
2,993,082
3,009,985
3,012,090
3,013,104
3,014,977
3,014,978
53: 2,969,418
2,991,327
2,996,566
57: 2,980,756
59: 2,972,656
3,014,086
60: 2,968,690
65: 2,972,002
2,978,532
3,006,981
66: 3,011,008
67: 2,997,520
3,013,105
68.5: 2,972,003
2,984,697
2,985,709
2,997,521
2,998,475
3,006,982
3,007,997
69: 2,969,419
3,003,018
3,014,087
70: 3,011,009
71: 2,993,083
3,001,000
3,001,001
3,013,106
72: 2,991,328
3,009,009
3,009,010
73: 2,997,501
3,005,868
75: 2,968,691
2,969,420
2,983,779
3,014,979
77: 2,987,570
2,991,733
78: 2,970,183
81: 2,993,074
3,003,619
84: 2,972,657
2,977,403
2,981,787
2,982,868
2,989,578
2,997,522
2,999,124
3,003,020
3,009,986
3,011,010
87: 2,973,404
3,001,002
88: 2,970,184
2,992,291
3,001,003
3,002,045
3,004,096
3,004,097
3,009,011
89: 3,002,046
3,013,107
90: 2,995,615
91: 2,972,004
92: 2,991,734
2,996,567
93: 2,978,533
94: 3,006,983
3,009,987
3,012,091
99: 2,970,185
2,972,005
2,973,405
2,977,404
2,985,710
2,989,579
2,997,523
3,003,021
3,011,011
3,013,108
102: 2,967,902
2,995,616
3,005,038

Class 174—Con.

112: 2,992,292
113: 3,013,109
114: 2,972,658
115: 2,981,788
117: 2,969,421
121: 3,012,092
3,014,980
124: 2,993,949
3,002,047
126: 2,997,524
127: 3,011,012
129: 2,997,525
137: 2,997,526
2,997,527
2,997,528
3,001,004
138: 2,972,006
2,977,405
2,979,554
2,980,757
2,984,698
2,986,504
2,993,950
2,994,735
2,997,529
2,999,895
139: 2,998,476
141: 2,999,125
142: 3,001,005
145: 2,979,555
146: 2,976,341
3,013,110
151: 3,006,984
3,009,012
152: 2,996,568
3,005,039
3,009,013
3,011,013
3,014,981
153: 2,974,196
2,976,345
2,995,617
2,996,569
2,997,530
3,001,006
3,001,007
158: 2,976,316
2,997,531
163: 2,972,007
2,996,570
2,998,477
177: 2,977,406
178: 2,986,595
179: 2,970,186
3,014,088
180: 2,967,903
188: 3,011,014
211: 3,003,022

Class 175

2: 2,974,739
2,984,307
4: 2,976,940
3,003,569
5: 2,981,346
2,999,540
7: 2,981,347
2,984,308
2,995,196
3,004,612
8: 2,973,046
3,001,592
9: 3,001,593
3,001,594
3,001,595
14: 2,976,941
18: 2,982,364
2,997,118
19: 2,975,846
2,979,141
23: Re.25,060
27: 2,985,249
33: 2,999,550
39: 3,011,566
45: 3,004,613
52: 2,972,388
53: 3,011,567
55: 2,970,660
2,990,022
3,008,528
56: 2,989,130
68: 2,999,551
69: 2,984,309
74: 3,011,568
85: 2,998,084
98: 2,984,310
100: 2,998,085
101: 2,997,119
103: 2,997,120
104: 3,007,534
105: 2,979,142
107: 2,967,577
2,990,894
2,990,895
2,991,837
3,012,618
3,014,543
108: 2,970,661
124: 3,011,569
127: 2,976,942
2,978,043
2,985,250
3,009,521
3,012,619
129: 2,969,121
130: 2,969,844
2,979,143
138: 2,998,086
3,011,570
144: 2,978,044
147: 2,983,323
150: 2,990,023
151: 2,978,045
152: 2,982,365
2,988,158
2,998,087
3,009,522
154: 2,998,856
157: 3,005,503
170: 2,975,847
3,012,620
3,014,543
171: 2,990,896
192: 2,975,848
200: 2,969,845
3,005,504
206: 2,973,820
207: 3,000,453
211: 2,990,024
213: 3,012,621
220: 2,995,197
221: 2,991,838
226: 3,012,622
232: 2,979,144
233: 2,976,943
2,978,046
243: 3,008,529
246: 3,004,614
258: 2,978,047
259: 2,982,366
286: 3,004,615
3,010,527
293: 2,972,471
2,996,131
294: 2,978,046
297: 2,987,129
2,989,132
3,004,616
3,005,505
300: 3,001,596
313: 3,013,621
315: 3,005,506
317: 2,988,145
318: 2,987,130
3,012,623
321: 2,994,389
323: 2,999,552
324: 3,005,507
328: 2,972,389
2,982,367
329: 2,966,949
2,998,088
330: 2,990,897
333: 2,975,849
340: 3,014,541
359: 2,998,857
375: 2,990,025
378: 2,994,390
388: 2,973,821
391: 2,978,049
3,003,570
394: 2,999,122
400: 2,971,594
410: 2,973,047
2,976,944
3,006,424
413: 3,011,571
418: 2,969,846

Class 177

2: 2,998,858
3: 2,996,132
12: 3,004,617
16: 2,980,898
25: 2,980,192
50: 3,010,528
52: 2,983,324
70: 2,982,368
3,002,575
71: 2,983,325
78: 3,008,530
80: 3,011,572
81: 3,000,454
96: 3,013,622
103: 2,979,145
120: 3,001,597
127: 2,983,326
129: 2,993,546
139: 2,990,899
151: 3,010,529
157: 2,981,348
164: 3,011,573
168: 2,993,547
3,009,523
200: Re.24,969
203: 2,998,969
208: 2,998,089
210: 2,992,691
2,994,391
211: 2,980,414
2,987,131
2,998,090
226: 2,994,622
248: 3,004,618
255: 3,002,576
264: 2,981,349
3,001,598

Class 178

1: 2,993,951
3,006,985
2: 2,976,347
2,978,534
2,981,789
2,981,790
2,982,809
2,983,780
2,990,444
2,993,085
2,994,736
2,994,737
2,994,738
2,995,618
2,997,532
2,997,533
2,997,534
2,998,478
3,001,008
3,001,009
3,001,010
3,006,986
3,007,998
3,009,014
3,009,988
3,013,111
3,014,982
3: 2,974,187
2,975,228
2,979,556
4: 2,980,758
2,982,810
4.1: 2,980,759
2,985,711
2,993,952
3,005,040
3,005,041
3,006,987
3,013,112
5: 2,974,188
5.1: Re.24,926
2,972,008
2,972,009
2,972,010
2,973,406
2,983,781
2,983,782
2,989,580
2,994,739
2,996,571
3,001,011
3,011,015
3,011,016
3,014,089
5.2: 2,972,011
2,972,012
2,976,348
2,976,349
2,977,407
2,979,557
2,979,558
2,981,791
2,981,792
2,982,811
2,985,712
2,987,571
2,993,086
2,993,087
2,993,953
2,993,954
2,995,619
3,002,048
3,005,042
3,012,093
5.4: Re.25,082
2,967,210
2,967,904
2,969,422
2,969,423
2,969,424
5.4: 2,969,425
2,969,426
2,971,046
2,971,047
2,971,048
2,971,049
2,971,050
2,971,051
2,972,013
2,972,014
2,972,659
2,974,189
2,975,229
2,975,230
2,975,231
2,975,232
2,976,350
2,976,351
2,977,408
2,979,559
2,979,560
2,980,760
2,980,761
2,980,762
2,982,812
2,983,783
2,983,784
2,987,572
2,988,592
2,988,593
2,989,581
2,989,582
2,989,583
2,989,584
2,989,585
2,990,445
2,990,446
2,990,447
2,990,448
2,990,449
2,995,620
2,996,572
2,996,573
2,998,479
2,999,126
2,999,896
2,999,897
3,001,012
3,002,049
3,002,050
3,002,051
3,003,023
3,003,024
3,004,098
3,004,099
3,006,988
3,006,989
3,006,990
3,007,999
3,009,015
3,009,989
3,012,094
3,012,095
3,013,113
3,013,114
3,014,983
5.6: 2,975,233
2,982,813
2,986,596
3,008,000
5.8: 2,969,427
2,976,353
2,977,409
2,997,535
3,005,043
3,011,017
6: 2,975,234
2,978,535
2,986,597
2,994,740
2,996,574
2,997,536
3,006,991
3,009,016
3,011,018
6.5: 2,967,905
2,979,561
6.6: Re.24,956
Re.25,020
2,968,602
2,976,354
2,976,355
2,978,536
2,979,562
2,983,785
2,985,713
2,986,598
2,987,573
2,996,575
2,996,576
3,003,025
3,004,100
3,005,044
3,006,992
6.7: 2,967,211
6.8: 2,970,187
2,971,052
2,976,356
2,978,537
2,978,538
2,980,763
2,982,814
2,990,450
2,992,293
3,004,101
3,005,045
3,008,001
3,014,984
7.1: 2,967,906
2,969,428
2,971,053
2,974,190
2,982,815
2,984,699
2,989,586
3,001,013
3,003,026
3,004,102
3,005,869
3,011,019
3,013,115
7.2: 2,972,660
2,976,357
2,976,358
2,977,410
2,981,793
2,982,816
2,986,599
2,989,587
2,997,537
2,998,480
3,005,046
3,005,047
3,006,993
3,006,994
3,006,995
3,008,002
7.3: 2,970,188
2,974,191
2,976,359
2,976,360
2,977,411
2,979,563
2,983,786
2,983,787
2,988,594
2,989,588
2,989,589
2,995,621
2,999,898
3,001,014
3,003,027
3,003,028
3,005,048
3,005,870
3,006,996
3,009,990
3,012,095
7.4: 3,014,090
7.5: 2,978,539
2,978,540
2,980,764
2,995,622
2,997,538
2,999,127
3,003,029
3,013,116
7.6: 2,967,907
2,971,054
2,976,361
2,976,362
2,988,595
2,997,539
3,011,020
7.8: 2,970,311
2,974,192
7.82: 3,013,117
7.84: 2,998,481
7.85: 2,977,412
3,001,015
3,009,017
7.86: 3,014,091
7.9: 2,986,600
3,005,049
15: 2,990,451
3,011,021
17: 2,972,015
2,977,413
2,982,817
2,983,788
2,989,590
2,993,955
3,006,997
3,012,096
3,013,118
3,014,092
17.5: 2,982,818
3,001,016
3,014,093
18: 2,975,235
2,977,414
18: 2,986,601
2,991,329
2,995,623
2,998,482
20: 3,005,050
22: 2,981,794
2,984,700
2,993,089
2,995,624
23: 2,970,189
2,971,055
2,971,056
2,972,016
2,978,541
2,983,789
2,985,714
2,988,596
2,993,956
2,995,625
2,997,540
2,998,483
2,998,484
2,999,899
3,001,017
3,001,018
3,008,003
3,008,004
3,008,005
3,014,094
25: 2,969,429
2,974,193
3,013,119
26: 2,973,407
2,979,564
2,992,294
2,996,577
2,997,541
2,998,485
3,005,871
27: 2,974,194
28: 2,997,542
30: 2,977,415
31: 2,971,057
2,971,058
33: 2,993,957
3,005,872
43.5: 2,974,195
2,980,765
2,985,715
2,999,128
45: 2,978,542
50: 2,974,196
2,976,363
2,979,565
2,991,330
3,013,120
51: 2,969,430
2,977,416
2,977,417
2,995,626
52: 2,998,486
2,998,998
53.1: 2,968,693
2,968,694
2,969,431
3,011,022
66: 2,984,701
2,998,487
3,002,052
67: 2,979,566
69: 2,967,908
2,981,795
2,985,716
2,997,543
3,003,030
3,003,031
69.5: 2,987,574
2,992,295
3,006,999
3,009,018
3,012,097
3,013,121
70: 2,974,197
2,981,796
2,994,741
2,996,578
3,007,000
3,008,006
73: 2,972,017
3,002,053
79: 3,007,001
82: 2,988,597
88: 2,971,059
2,979,567
2,981,797
2,985,717
2,989,591
2,993,958
2,995,627
2,995,628
3,008,007
3,011,023
89: 2,973,408
92: 2,969,432
92: 3,003,032
3,014,095
115: 2,977,418

Class 179

1: 2,967,909
2,968,695
2,972,018
2,974,198
2,978,543
2,980,766
2,982,819
2,983,790
2,983,791
2,984,702
2,985,718
2,985,719
2,987,575
2,988,598
2,990,452
2,993,090
2,993,091
2,996,579
2,996,580
2,997,544
3,001,019
3,004,103
3,005,873
3,007,002
3,009,991
3,011,024
3,011,025
3,014,096
3,014,985
1.5: 2,987,576
2,993,959
2,999,900
3,011,026
3,012,098
3,012,099
3,012,100
2: 2,988,599
3,004,104
5: 2,995,629
6: 2,979,568
2,998,488
2,998,489
3,003,033
6.3: 2,974,199
2,977,419
3,003,034
3,004,105
3,007,003
3,014,986
6.5: 2,998,490
7: 2,979,569
3,001,020
3,009,019
7.1: 2,976,364
2,981,798
2,984,703
2,984,704
2,988,600
2,989,592
3,001,021
3,003,035
3,011,027
3,014,987
8: 2,976,365
2,981,799
8.5: 2,976,366
9: 3,007,004
15: 2,967,910
2,973,409
2,978,544
2,979,570
2,981,800
2,984,705
2,984,706
2,986,602
2,987,577
2,988,601
2,997,545
2,999,129
3,005,051
3,005,874
3,007,005
3,008,008
3,012,101
3,013,122
15.5: 2,980,767
2,998,491
3,003,036
15.55: 2,990,453
2,996,581
3,003,037
16: 2,982,820
2,993,960
3,004,106
3,008,009
3,009,020
3,011,028
3,014,988

17: 2,974,200
2,986,603
2,991,742
2,999,901
3,003,038
3,005,052
3,007,006
18: Re.24,987
2,967,212
2,968,696
2,968,697
2,968,698
2,968,699
2,971,060
2,972,019
2,975,236
2,976,367
2,977,420
2,979,571
2,981,801
2,981,802
2,985,720
2,986,604
2,987,578
2,987,579
2,987,580
2,988,602
2,989,593
2,993,032
2,993,093
2,994,743
2,996,582
2,998,492
2,998,493
2,999,130
2,999,131
2,999,132
3,001,027
3,001,028
3,003,039
3,003,010
3,004,107
3,004,108
3,004,109
3,005,053
3,005,875
3,005,876
3,007,007
3,009,021
3,011,029
22: 2,970,190
2,974,201
2,981,803
3,007,008
26: 3,014,989
27: 2,968,700
2,971,061
2,976,368
2,981,804
2,985,721
2,986,605
2,993,094
2,993,095
2,994,744
3,002,054
3,008,010
3,009,022
27.54: 2,969,433
2,969,434
2,972,020
2,977,421
2,983,792
2,997,546
3,001,022
3,001,023
3,001,024
3,005,877
32: 3,005,054
42: 2,984,707
81: 2,967,213
2,985,722
84: 2,967,911
2,971,062
2,976,369
2,990,454
3,003,041
3,014,097
86: 3,012,102
90: 2,976,370
2,988,603
2,999,133
2,999,902
2,999,903
3,003,042
3,005,055
91: 2,999,904
98: 3,012,103
99: 2,975,237
100: 2,972,021
3,009,023
3,014,990
100.1: 2,972,022
2,976,371
2,982,821
2,983,793
100.1: 2,984,708
2,990,455
2,995,630
2,999,134
2,999,905
3,008,011
3,011,030
3,014,991
100.11: 2,983,795
100.2: 2,968,701
2,968,702
2,969,435
2,971,063
2,971,064
2,972,023
2,973,410
2,975,238
2,975,239
2,975,240
2,975,241
2,975,242
2,976,372
2,977,422
2,977,423
2,978,545
2,978,546
2,979,572
2,980,768
2,981,805
2,982,822
2,983,794
2,984,709
2,984,710
2,985,723
2,986,606
2,986,607
2,986,608
2,986,609
2,987,581
2,987,582
2,987,583
2,988,604
2,989,594
2,989,595
2,989,596
2,992,296
2,993,096
2,994,745
2,994,746
2,995,631
2,995,632
2,996,583
2,997,547
2,998,494
2,998,495
2,999,135
2,999,906
2,999,907
2,999,908
3,001,025
3,001,026
3,002,055
3,004,110
3,004,111
3,004,112
3,005,056
3,005,057
3,005,878
3,005,879
3,007,009
3,007,010
3,007,011
3,008,012
3,009,021
3,009,025
3,011,031
3,011,032
3,012,104
3,012,105
3,012,106
3,013,123
3,013,124
100.3: 2,967,912
3,001,030
3,005,058
100.4: 2,977,424
3,005,059
3,013,125
100.41: Re.24,968
2,967,214
2,974,202
2,979,573
2,983,796
2,981,711
2,991,331
2,991,332
2,997,548
2,999,909
3,001,031
3,002,056
3,005,060
3,013,126
3,014,992
3,014,993
107: Re.25,059
2,967,913
2,971,065
2,977,425
2,983,797
2,987,584
2,989,597
2,991,333
2,995,633
2,999,136
3,004,113
3,014,994
3,014,995
110: 2,974,203
111: 2,975,213
2,993,097
3,007,012
3,008,013
3,008,014
3,014,098
114: 2,994,747
3,002,057
3,002,058
3,005,880
3,013,127
115.5: 2,974,204
2,976,373
2,984,712
2,993,961
2,997,549
2,998,496
3,012,107
3,013,905
3,014,099
3,014,996
3,014,997
121: 3,007,013
123: 2,967,914
146: 2,973,411
2,985,724
2,987,585
3,005,061
3,013,128
147: 2,990,456
3,001,032
148: 2,969,436
3,007,014
156: 2,975,244
2,993,962
2,998,497
3,014,998
157: 2,991,331
167: 2,984,713
170: 2,980,769
170.2: 2,990,457
175.2: 2,979,574
2,981,806
3,007,015
3,009,992
175.23: 2,991,335
175.25: 2,979,575
175.3: 2,986,610
2,987,586
178: 2,992,297
182: 2,977,426
2,989,598
185: 3,001,033
187: 3,012,108
188: 2,997,550

Class 180

1: 2,966,950
2,975,850
2,983,327
2,987,132
3,002,577
3,003,571
3,003,572
3,005,508
3,006,425
3,011,574
3,011,575
3,013,623
3: 2,998,859
5: 2,970,662
3,011,576
6.2: 2,975,851
6.21: 2,994,392
6.31: 2,984,311
6.48: 2,974,740
2,980,193
2,990,900
2,994,393
2,999,554
6.7: 2,967,578
2,999,553
8: 3,002,578
9.2: 2,981,350
9.22: 2,996,133
9.5: 2,973,822
2,978,050
2,988,159
3,012,624
9.52: 2,986,225
9.54: 3,010,530
9.62: 2,978,051
11: 2,973,823
3,005,509
12: 2,997,121
3,000,455
14: 2,987,133
2,993,548
2,993,549
3,005,510
3,007,535
3,014,545
15: 2,974,741
2,993,550
19: 2,967,579
2,970,663
2,976,945
2,978,052
2,996,134
2,999,555
3,007,536
3,014,546
22: 2,967,580
2,985,251
3,000,456
3,006,426
23: 2,986,226
25: 2,966,951
26: 2,978,053
2,993,551
27: 2,973,048
3,004,619
3,006,427
30: 2,967,581
33: 3,001,599
41: 2,970,664
42: 2,982,369
43: 2,982,370
44: 2,996,135
49: 2,971,595
53: 2,987,134
3,002,579
54: 2,969,847
2,980,194
3,006,428
3,011,577
64: 2,981,351
2,997,122
66: 2,994,394
3,008,531
68.5: 2,979,146
2,980,195
2,981,352
2,994,395
3,003,573
70: 2,970,665
2,973,049
2,978,054
3,003,574
73: 2,968,357
2,968,358
2,979,147
2,980,196
2,981,353
2,981,354
2,983,328
2,988,160
2,988,161
2,988,162
2,989,133
2,990,901
3,001,600
3,002,580
3,003,575
3,006,429
3,011,578
74: 2,990,026
75: 3,001,601
3,014,547
77: 2,989,134
78: 2,978,055
79: 2,992,692
79.1: 2,981,355
79.2: Re.25,036
2,967,582
2,978,056
2,978,057
2,979,148
2,981,356
2,987,135
2,990,902
2,993,552
2,994,396
2,996,136
2,997,123
3,000,457
3,000,458
3,007,537
3,009,524
3,011,579
3,014,548
79.3: 2,978,058
82: 2,973,050
2,974,742
82: 2,980,197
2,990,903
2,991,839
2,992,693
3,000,459
3,002,581
3,009,525
3,010,531
3,010,532
3,013,624
3,013,625
3,014,549
82.1: 2,971,596
2,972,390
2,972,391
2,973,051
2,976,946
2,978,059
2,996,137
3,007,538
3,008,532
3,011,580
89: 2,999,556
3,005,511
3,011,581
90: 2,966,952
2,976,947
90.6: 3,003,576

Class 181

.5: Re.24,931
2,966,953
2,970,666
2,974,743
2,981,357
2,981,358
2,982,371
2,986,227
2,986,228
2,989,135
2,990,904
2,992,694
2,993,553
2,993,554
2,993,555
2,994,397
2,991,398
2,998,091
2,999,557
3,000,460
3,000,461
3,003,577
3,009,526
3,009,527
3,011,582
3,011,583
3,012,625
3,014,550
3,014,551
23: 3,000,462
24: 3,000,463
27: 2,981,359
31: 2,969,848
2,971,597
2,971,598
2,973,824
2,975,852
2,978,060
2,979,149
2,979,150
2,982,372
2,986,229
2,991,840
2,992,695
2,993,556
2,993,557
2,994,399
3,004,620
3,006,430
3,009,528
32: 2,993,558
33: 2,966,954
2,967,583
2,975,853
2,976,948
2,980,198
2,981,360
2,981,361
2,984,312
2,984,313
2,989,136
2,990,027
2,994,400
2,995,198
2,996,138
3,000,464
3,001,602
3,007,539
3,009,529
3,013,626
36: 2,990,028
38: 2,968,359
41: 2,978,061
2,980,199
41: 2,980,029
2,996,139
2,998,092
42: 2,994,401
2,995,199
43: 2,973,825
2,974,744
2,990,905
46: 2,995,200
47: 2,997,124
49: 2,975,854
2,989,137
50: 2,989,138
2,990,906
51: 2,979,151
52: 3,011,584
53: 2,966,955
2,971,599
2,974,745
2,993,559
3,003,578
3,009,530
54: 2,990,907
2,998,093
2,998,860
56: 2,985,252
57: 2,987,136
60: 3,009,531
64: 3,000,465

Class 182

1: 2,978,062
2: 2,969,849
2,970,667
2,979,152
2,988,163
2,996,140
2,996,141
2,998,861
3,005,512
3,010,533
3: 2,979,153
5: 3,006,431
13: 3,003,579
15: 2,989,139
16: 2,980,200
17: 2,985,253
23: 3,006,432
27: 3,007,540
3,014,552
28: 2,997,125
33: 2,991,828
3,011,585
33.2: 2,998,862
46: 2,981,362
3,001,603
3,009,532
58: 3,010,534
63: 2,966,956
2,989,140
70: 2,990,908
3,009,533
3,012,626
73: 2,979,154
84: 2,981,363
88: 2,969,850
2,971,600
3,008,533
91: 2,973,826
93: 2,974,746
97: 2,967,584
2,971,601
104: 3,012,627
106: 2,988,164
3,008,534
3,013,627
108: 2,992,696
112: 3,007,541
115: 3,011,586
116: 2,969,123
2,970,668
118: 3,000,466
3,004,621
119: 3,009,534
121: 3,009,535
129: 3,010,535
131: 2,988,165
134: 3,004,622
137: 2,975,855
139: 2,969,124
2,991,841
2,999,558
3,004,623
142: 2,998,094
144: 2,969,125
148: 2,972,392
2,997,126
150: 2,973,052
3,011,587
152: 2,994,402
155: 2,973,053
157: 3,004,624
159: 2,981,364
161: 2,975,856
164: 2,998,863
165: 3,005,513
166: 2,975,857
172: 2,997,127
3,012,628
179: 2,993,560
181: 2,990,909
3,008,535
184: 2,967,585
2,980,201
186: 2,983,329
2,986,230
187: 2,991,842
3,006,433
3,008,536
191: 3,002,582
195: 2,993,561
196: 2,975,858
2,997,128
3,008,537
198: 2,985,254
200: 2,971,602
202: 2,969,126
206: 2,992,697
3,006,434
214: 2,975,859
2,993,562
216: 2,989,141
222: 2,979,155
223: 2,981,365
224: 2,966,957
2,981,366
2,989,142
228: 2,982,373
3,004,625

Class 183

1: 2,999,559
2: 2,970,669
2,978,063
2,983,330
2,990,910
2,996,142
2,998,095
3,002,583
3,005,514
3,006,435
3,010,536
3,010,563
2.5: 2,971,603
2,973,827
2,979,156
2,982,374
2,983,331
2,989,143
2,990,030
2,994,403
2,997,129
2,999,560
3,000,467
3,003,580
3,004,626
3,007,542
3,014,553
2.7: 2,971,601
2,992,698
2,995,201
2,995,202
2,998,096
3,001,601
3,008,538
3,009,536
3,009,537
3,012,629
3: 2,976,949
4: 2,973,828
2,978,064
2,979,157
2,982,375
2,981,314
4.1: 2,995,203
4.3: 2,971,747
2,976,950
3,001,605
3,002,584
4.5: 2,984,315
4.6: 2,993,563
4.7: 2,975,860
3,007,543
3,008,539
3,012,630
4.8: 2,994,404
3,008,540
5: 2,998,097
6: 2,971,605
2,985,255
2,989,144
2,996,143
3,013,628
7: 2,969,127
2,970,670
2,973,054
2,973,055
2,976,951

Class 183—Con.

2,978,065
2,978,066
2,979,158
2,980,202
2,983,332
2,987,137
2,990,911
2,990,912
2,992,699
2,992,700
2,994,405
2,995,144
2,997,130
2,998,098
2,999,561
3,008,541
9: 2,994,406
10: 2,973,056
12: 2,967,586
13: 2,990,031
14: 2,966,958
15: 2,988,166
17: 2,973,829
3,005,515
21: 2,969,851
22: 2,983,333
3,006,136
23: 2,990,913
2,998,069
24: 2,975,861
31: 3,009,538
32: 2,997,131
34: 2,970,671
2,999,032
3,002,585
3,008,542
3,010,537
3,012,631
3,013,629
35: 2,992,701
36: 2,968,360
2,986,231
3,006,437
37: Re.25,068
38: 2,973,057
40: 2,987,138
41: 2,971,606
42: 2,976,952
3,007,541
3,011,588
43: 2,988,167
2,998,984
44: 2,999,959
2,980,203
2,981,367
2,986,232
2,999,562
45: 2,973,830
2,980,204
2,988,168
49: 2,988,169
2,992,702
2,995,204
3,001,606
3,003,581
3,005,516
51: 2,973,831
2,975,862
2,975,863
2,980,205
2,991,843
2,995,205
2,995,206
52: 2,980,206
57: 2,974,748
2,980,207
59: 2,978,067
61: Re.24,954
2,976,953
62: 2,974,749
3,003,582
3,013,630
63: 2,978,068
2,994,407
3,008,543
70: 2,979,159
71: 2,968,361
2,973,832
2,973,833
2,980,208
2,988,170
2,989,115
2,993,564
73: 2,966,960
2,981,368
2,995,145
77: 2,989,146
2,991,844
79: 2,993,565
81: 2,995,207
3,009,539
83: 2,999,563
3,001,627
85: 2,981,369
92: 2,998,100
93: 2,986,233
110: Re.25,061
113: 2,976,954
114: 2,989,147
114.2: 2,967,587
2,969,852
2,971,607
2,987,139
2,992,703
2,995,208
3,001,607
3,006,438
3,007,545
3,009,540
3,011,589
115: 2,971,608
2,974,750
2,981,370
2,990,914
2,993,566
3,001,608
3,002,586
3,004,628
3,004,629
3,005,517
3,013,631
120: 2,967,588
2,972,393
2,973,834
3,009,541
121: 2,988,171
2,997,132

Class 184

1: 2,968,362
2,971,609
2,993,567
2,994,408
3: 2,995,209
2,995,210
3,011,590
6: 2,975,864
2,979,160
2,981,371
2,981,372
2,983,334
2,983,335
2,983,336
2,990,915
2,991,845
2,995,211
2,996,146
3,005,518
3,006,439
3,008,544
3,011,591
3,011,592
3,013,632
3,014,554
7: 2,971,610
2,973,058
2,975,865
2,986,234
2,991,846
2,996,147
3,013,633
11: 2,980,209
2,981,373
2,996,148
15: 2,990,916
2,998,865
3,010,538
3,012,632
18: 3,001,609
25: 3,002,587
27: 2,996,149
28: 2,988,172
2,995,212
39: 3,010,539
50: 2,966,961
55: 2,969,853
2,982,376
2,984,316
3,009,542
65: 2,985,236
3,003,583
79: 2,995,213
102: 2,980,210
2,984,317
103: 2,979,161
105: 2,995,214
106: 2,966,962
2,986,235
2,990,033
2,996,150

Class 185

38: 2,975,866
39: 3,000,468
43: 3,014,555

Class 186

1: 2,968,363
2,970,672
2,978,069
2,980,211
2,980,212
3,011,593
16: 2,997,133

Class 187

1: 2,967,589
3,012,633
2: 3,003,584
3,003,585
3: 2,996,151
8.41: 2,975,867
3,013,634
8.49: 3,013,635
8.59: 3,002,588
8.67: 3,007,546
3,008,545
8.75: 3,004,630
8.77: 3,004,631
9: 2,973,835
2,979,162
2,986,236
2,987,140
2,991,847
3,003,586
3,005,519
3,007,547
10: 2,981,374
11: 2,972,394
12: 2,985,257
3,012,634
3,014,556
18: 2,975,868
19: 3,012,635
28: 2,981,375
29: 2,968,364
2,968,366
2,969,128
2,973,059
2,978,070
2,997,134
2,998,866
3,009,543
3,011,594
48: 2,989,148
51: 3,012,636
52: 2,974,751
2,985,258
2,996,152
73: 2,969,854
80: 2,990,034

Class 188

1: 2,979,163
2,980,213
2,988,173
2,990,917
2,998,867
3,005,520
3,010,540
3,011,595
2: 2,987,141
2,997,135
2,998,101
5: 3,005,521
17: 2,997,136
18: 2,970,673
2,988,174
20: 2,978,071
31: 2,981,318
2,988,175
32: 2,992,704
2,998,102
3,011,596
33: 2,969,129
41: 2,967,590
52: 2,996,963
2,991,409
3,009,544
56: 2,991,848
2,996,153
57: 3,004,632
58: 3,010,541
59: 2,970,674
2,975,869
2,979,164
2,987,142
65.1: 2,976,955
68: 3,003,587
69: 2,967,591
2,974,752
2,996,154
3,002,589
70: 2,968,367
71: 2,969,564
3,000,469
3,003,588
3,008,546
72: 2,968,368
2,968,369
2,971,611
2,971,612
2,973,836
2,974,753
2,976,956
2,985,259
2,987,143
2,989,149
2,991,849
2,992,705
2,995,215
2,998,103
2,999,565
3,000,470
3,008,547
3,010,542
3,010,543
3,013,636
73: Re.24,996
2,966,964
2,968,370
2,973,837
2,981,376
2,983,337
2,983,338
2,984,319
2,988,176
2,991,410
2,995,216
2,997,137
2,997,138
3,003,589
3,003,590
3,005,522
74: 2,987,144
2,992,706
75: 2,990,918
77: 2,975,870
2,992,707
78: 2,976,957
2,981,377
2,981,378
2,984,320
2,987,145
2,989,150
2,995,217
2,997,139
2,999,566
3,003,591
3,007,548
3,007,549
3,013,637
79: 2,985,260
79.5: 2,976,958
2,978,072
2,981,379
2,994,411
3,003,592
3,010,544
3,013,638
82.2: 2,973,838
82.6: 3,000,471
3,012,637
82.7: 2,976,959
2,994,412
82.84: 3,003,593
83: 2,988,177
87: 2,979,165
88: 2,984,321
3,001,610
3,003,594
3,003,595
3,003,596
3,003,597
3,007,550
90: 2,976,960
2,981,380
2,989,151
2,990,919
2,998,868
3,010,545
93: 2,973,060
2,997,140
94: 3,004,633
95: 2,974,754
2,996,155
3,005,523
96: 2,973,061
2,987,146
3,001,611
3,006,440
3,007,551
97: 2,976,961
98: 2,976,962
100: 2,974,755
3,006,441
3,014,557
105: 2,976,963
106: 2,969,855
110: 2,969,856
2,971,613
112: 2,966,965
2,969,857
112: 2,973,062
2,973,839
2,976,964
2,979,166
2,993,568
3,007,552
134: 2,993,569
135: 2,996,156
140: 2,975,871
2,986,237
2,987,147
141: 2,979,167
151: 2,991,850
152: 2,975,872
2,995,218
2,998,869
3,008,548
171: 2,974,756
2,983,339
181: 2,999,567
187: 2,990,035
190: 2,968,371
192: 3,012,638
195: 2,989,152
196: 2,973,840
2,973,841
2,981,381
2,998,104
3,001,612
200: 2,995,219
202: 2,971,614
203: 2,974,757
218: 2,978,073
2,989,153
2,991,851
3,003,598
3,007,553
219.1: 2,969,858
229.6: 2,973,063
233.3: 2,974,758
243: 2,974,759
251: 2,970,675
2,973,842
2,986,238
256: 2,971,615
264: Re.24,995
2,966,966
2,968,372
2,973,843
2,976,965
2,979,168
2,982,377
2,982,378
2,986,239
2,986,240
2,992,708
2,995,220
2,998,105
2,998,870
3,000,472
3,006,442
3,007,554
3,007,555
3,007,556
3,013,639

Class 189

1: 2,970,676
2,975,873
2,989,154
3,002,590
3,004,634
1.5: 2,992,709
2: 2,976,966
2,978,074
2,988,178
2,995,221
2,996,157
3,014,558
3: 2,983,340
2,990,036
3,014,559
7: 3,009,545
11: 2,974,760
2,988,179
2,993,570
2,998,106
12: 2,988,180
3,013,640
13: 2,987,148
2,988,181
14: 2,991,852
3,000,473
3,009,546
15: Re.25,010
2,968,373
2,991,853
3,008,549
3,009,547
15.5: 2,991,854
16: 2,983,341
19: 2,982,379
23: 2,984,322
26: 2,967,592
2,973,064
2,983,342
2,992,710
3,004,635
28: 2,985,261
30: 3,011,597
3,011,598
31.5: 2,976,967
2,978,075
3,007,557
3,010,546
33: 2,969,859
2,980,214
31: 2,966,967
2,967,593
2,968,374
2,969,754
2,970,677
2,971,616
2,976,968
2,976,969
2,978,076
2,978,077
2,979,169
2,980,215
2,981,382
2,982,380
2,985,262
2,985,263
2,986,241
2,986,242
2,986,243
2,989,155
2,989,156
2,989,157
2,990,037
2,990,920
2,991,855
2,991,856
2,991,857
2,993,571
2,993,572
2,994,413
2,995,222
2,997,141
2,997,142
2,998,107
2,998,108
2,999,568
3,001,613
3,001,614
3,002,591
3,003,599
3,003,600
3,004,636
3,007,558
3,008,550
3,008,551
3,008,552
3,009,548
3,009,549
3,010,547
3,011,599
3,011,600
3,011,601
3,011,602
3,012,639
3,013,641
3,013,642
3,014,560
3,014,561
35: 2,989,158
2,998,109
2,999,569
3,001,615
3,011,603
3,012,640
3,014,562
36: 2,966,968
2,967,594
2,968,375
2,968,376
2,972,395
2,972,396
2,981,383
2,981,384
2,986,244
2,986,245
2,989,159
2,990,921
2,991,858
2,992,711
2,993,573
2,994,414
2,994,415
2,994,416
2,995,223
2,996,158
2,996,159
2,999,570
2,999,571
3,000,474
3,003,601
36: 3,003,602
3,004,637
3,004,638
3,004,639
3,006,443
3,008,553
3,008,554
3,008,555
3,010,548
3,011,604
3,012,641
3,013,643
3,014,563
36.5: 2,974,761
3,003,603
37: 2,974,762
2,975,874
2,980,216
2,985,264
2,986,246
2,990,038
2,996,160
3,004,640
3,008,556
41: 2,988,182
42: 2,998,110
43: 2,994,417
46: 2,980,217
2,990,922
2,996,161
3,002,592
3,004,641
3,007,559
50: 2,983,343
62: 2,974,763
63: 2,988,183
2,990,923
64: 3,010,549
67: 2,990,039
72: 2,967,595
75: 2,976,970
2,990,040
76: 2,981,385
78: 2,983,344
3,012,642
82: 2,995,224
3,004,642
3,005,524
3,010,550
85: 2,970,678
2,971,617
2,976,971
2,981,386
2,988,184
3,013,644
86: 2,984,323
88: 2,976,972
2,978,078
2,978,079
2,981,387
2,986,247
2,998,111
2,998,112
3,001,616
3,004,643
3,004,644
3,004,645
3,006,444
3,014,564
3,014,565
90: 2,973,065
3,001,617
3,008,557
3,009,550
3,012,643
91: 2,983,345
2,999,572
92: 3,012,644

Class 190

12: 3,010,551
41: 2,985,265
2,990,924
3,010,552
42: 2,979,170
43: 2,985,266
48: 2,991,859
57: 2,987,149
2,987,150
2,987,151
58: 3,009,551

Class 191

1: 2,969,437
2: 2,991,336
6: 3,002,059
9: 2,999,137
12: 2,984,714
3,001,034
12.2: 2,977,427
2,996,584
3,011,033
3,012,109

36: 3,003,602
3,004,637
3,004,638
3,004,639
3,006,443
3,008,553
3,008,554
3,008,555
3,010,548
3,011,604
3,012,641
3,013,643
3,014,563
.5: 2,974,761
3,003,603
37: 2,974,762
2,975,874
2,980,216
2,985,264
2,986,246
2,990,038
2,996,160
3,004,640
3,008,556
41: 2,988,182
42: 2,998,110
43: 2,994,417
46: 2,980,217
2,990,922
2,996,161
3,002,592
3,004,641
3,007,559
0: 2,983,343
2: 2,974,763
3: 2,988,183
2,990,923
4: 3,010,549
7: 2,990,039
2: 2,967,595
5: 2,976,970
2,990,040
6: 2,981,385
8: 2,983,344
3,012,642
2: 2,995,224
3,004,642
3,005,524
3,010,550
5: 2,970,678
2,971,617
2,976,971
2,981,386
2,988,184
3,013,644
5: 2,984,323
8: 2,976,972
2,978,078
2,978,079
2,981,387
2,986,247
2,998,111
2,998,112
3,001,616
3,004,643
3,004,644
3,004,645
3,006,444
3,014,564
3,014,565
: 2,973,065
3,001,617
3,008,557
3,009,550
3,012,643
: 2,983,345
2,999,572
: 3,012,644

ss 190

: 3,010,551
: 2,985,265
2,990,924
3,010,552
2,979,170
2,985,266
2,991,859
2,987,149
2,987,150
2,987,151
3,009,551

ss 191

2,969,437
2,991,336
3,002,059
2,999,137
2,984,714
3,001,034
2,977,427
2,996,584
3,011,033
3,012,109

12.4: 2,976,374
2,979,576
23: 2,969,438
25: 2,974,205
29: 3,009,026
40: 2,990,458
45: 3,014,100
49: 2,967,915
59.1: 3,004,114
3,008,015

Class 192

.02: 2,969,130
2,973,066
.034: 2,973,067
.052: 2,979,171
.073: 2,997,143
.076: 2,983,346
2,990,927
.077: 3,010,554
.09: 2,985,267
.096: 2,971,618
2,973,068
2,973,069
2,987,152
2,991,860
.098: 2,966,969
2,966,970
2,982,381
2,985,268
2,992,712
2: 2,966,971
2,974,764
3: 2,968,377
2,973,844
2,978,080
2,979,172
2,982,382
2,983,347
3,000,475
3,000,476
3,006,445
3.2: Re.24,991
2,969,131
2,992,713
3,002,593
3.5: 2,966,972
2,974,765
2,974,766
2,975,875
2,979,173
2,982,383
2,990,041
2,999,573
2,999,574
3,003,604
4: 2,967,596
2,968,378
2,968,379
2,970,679
2,973,845
2,979,174
2,981,388
2,983,348
2,988,185
2,990,925
2,993,574
2,997,144
3,001,618
3,003,605
3,003,606
6: 2,982,384
2,985,269
2,993,575
2,997,145
8: 2,971,619
2,973,070
2,995,225
2,995,226
2,997,146
3,002,594
3,011,605
9: 2,997,147
11: 2,985,270
12: 2,969,860
2,974,767
2,979,175
2,989,160
2,995,227
3,008,558
14: 3,000,477
16: Re.25,001
2,995,228
17: 2,998,871
3,004,646
18: 2,971,620
2,998,872
3,000,478
3,013,645
21.5: 2,983,349
2,987,153
2,990,042
2,996,162
3,001,619

21.5: 3,014,566
22: 2,973,846
24: 3,001,620
26: 2,969,861
27: 2,990,043
30: 3,005,525
30.5: 2,973,071
2,980,218
3,006,446
3,009,552
33: 2,985,271
35: 2,994,418
3,000,479
40: 2,998,873
43.1: 2,978,081
44: 2,986,248
2,997,148
45: 2,973,847
2,990,926
2,991,861
2,998,113
3,008,559
3,011,606
3,012,645
3,014,567
45.1: 2,973,072
2,981,389
2,998,874
2,998,875
2,998,876
3,006,447
3,012,646
45.2: 2,987,154
47: 2,988,186
48: 2,987,155
2,988,187
2,991,862
2,991,863
2,993,576
3,000,480
3,000,481
3,009,553
51: 3,005,526
3,005,527
52: 2,998,114
53: 2,990,044
2,992,714
3,003,607
55: 3,005,528
56: 2,966,973
2,969,132
2,969,133
2,973,848
2,978,082
2,997,149
3,001,621
58: 2,985,272
2,987,156
3,002,595
3,007,560
3,011,607
59: 2,976,973
64: 3,010,553
67: 2,966,974
2,971,621
2,972,397
2,973,849
2,976,974
2,981,390
2,984,324
3,986,249
2,992,715
3,008,560
68: 2,985,273
69: 2,976,975
76: 3,001,622
80: 2,987,157
81: 2,968,380
2,984,325
3,000,482
3,006,448
82: 2,974,768
2,986,250
2,988,188
2,990,045
83: 3,003,608
84: 2,966,975
2,966,976
2,966,977
2,969,134
2,971,622
2,973,850
2,973,851
2,976,976
2,982,385
2,983,350
2,986,251
2,989,161
2,998,877
3,002,596
3,003,609
3,007,561
85: 2,980,219
2,981,391

85: 3,011,608
86: 2,983,351
87: 2,979,176
2,990,928
3,002,597
88: 3,005,529
3,011,609
3,014,568
90: 2,991,864
99: 2,988,189
3,005,530
3,009,554
103: 2,972,398
2,974,769
3,000,483
104: 2,974,770
3,000,484
105: 2,967,597
2,970,680
2,987,158
2,991,865
3,001,623
3,006,449
106: 2,966,978
2,981,392
107: 2,968,381
2,974,771
2,986,252
2,992,716
2,993,577
2,993,578
2,994,419
109: 3,010,555
111: 2,970,681
113: 2,980,220
2,986,253
3,007,562
114: 2,967,598
2,978,083
2,993,579
125: 2,986,254
127: 3,006,450
131: 2,966,979
2,978,084
3,011,610
136: 2,993,580
139: 2,990,046
141: 3,002,598
142: 2,971,623
3,004,647
146: 2,999,575
147: 3,011,611
148: 3,002,599
150: 2,972,399
2,973,852
2,975,876

Class 193

4: 2,969,862
5: 2,967,599
10: 2,968,382
22: 3,011,612
23: 2,990,047
25: 2,982,386
2,997,150
3,002,600
27: 3,005,531
30: 2,980,221
31: 2,987,159
32: 2,994,420
35: 2,969,863
2,970,682
2,979,177
2,979,178
2,980,222
2,982,387
2,983,352
2,988,190
2,990,929
38: 2,973,073
3,012,647
39: 3,007,563
40: 2,989,162
3,004,648
41: 2,975,877
2,989,163
43: 2,975,878
2,981,393
2,981,394
2,983,353
2,989,164
3,011,613
3,012,648

Class 194

1: 2,966,980
2,988,191
2,991,866
2,995,229
2: 2,974,772
3,010,556

4: 2,980,223
2,983,354
2,992,717
2,999,576
9: 2,973,074
2,987,160
2,990,930
2,995,230
3,002,601
3,009,555
10: 2,973,075
2,973,076
2,978,085
2,989,165
3,002,602
13: 2,980,224
2,994,421
18: 2,991,867
19: 2,971,624
2,972,400
37: 2,996,163
51: 2,997,151
55: 3,011,614
57: 2,993,581
59: 2,984,326
63: 3,010,557
69: 2,975,879
2,988,192
71: 3,005,532
75: 3,009,556
78: 2,982,388
84: 2,973,077
92: 3,000,485
95: 2,991,868
97: 2,982,389
99: 2,975,880
100: 3,012,649

Class 195

2: 2,987,448
3,012,943
3: 2,975,103
2,982,692
4: 2,979,438
5: 2,988,487
6: 2,973,302
2,988,488
7: 2,984,601
28: 2,975,104
3,001,912
29: 2,976,218
2,980,590
2,999,051
3,000,789
3,001,913
3,003,921
3,003,922
3,003,923
30: 2,971,890
2,972,566
2,995,496
31: 2,972,567
3,000,790
3,012,944
36: 2,970,084
2,973,303
2,977,285
2,990,337
2,993,838
3,000,791
3,014,845
3,014,846
37: 2,986,495
38: 3,003,924
3,012,945
47: 2,968,594
2,973,304
2,975,105
2,978,383
2,978,384
2,979,439
2,988,489
3,002,889
3,003,925
49: 2,997,424
51: 2,967,803
2,968,595
2,968,596
2,969,304
2,969,305
2,970,085
2,972,568
2,977,286
2,981,659
2,982,693
2,982,694
2,982,695
2,989,439
2,991,230
2,992,972
2,992,973
2,993,839
3,003,926

51: 3,010,876
3,010,877
3,010,878
3,011,951
3,013,945
54: 3,013,946
62: 2,976,219
2,977,287
3,002,890
63: 2,978,385
64: 2,979,440
65: 2,980,591
3,005,757
66: 2,967,804
2,970,086
2,982,696
2,989,440
2,992,167
2,997,425
3,002,891
3,011,952
68: 2,982,697
2,996,434
3,006,815
70: 2,991,231
3,014,847
71: 2,998,351
77: 2,973,305
80: 2,970,087
2,970,946
2,970,947
2,972,569
2,982,698
2,985,564
2,986,496
2,987,449
2,988,490
2,989,441
2,996,435
2,998,352
3,000,792
3,012,946
3,013,947
83: 3,010,879
95: 2,995,497
96: 3,009,861
102: 2,970,948
103.5: 2,967,132
2,968,597
2,982,699
2,982,700
2,986,497
2,987,450
2,990,338
2,996,436
2,998,353
2,999,052
2,999,793
3,001,914
3,001,915
3,002,892
3,002,893
3,008,879
3,009,862
3,010,880
3,014,848
114: 2,971,891
2,976,220
2,976,221
2,976,222
2,995,498
3,000,793
3,013,948
117: 3,002,894
3,010,881
129: 3,013,949
139: 2,971,892
2,990,339
2,992,974
142: 2,970,088
2,981,660
3,013,950
143: 2,983,652
3,002,895
151: 2,985,563

Class 196

46: 3,003,927
100: 2,995,499
132: 2,977,288

Class 197

1: 2,997,152
1.6: 2,980,225
4: 2,969,135
3,000,486
5: 2,967,600
2,984,327
6.4: 2,980,226
3,011,615
6.6: 2,973,853
2,982,390
2,999,577
3,001,624

6.7: 2,979,179
3,006,451
15: 3,005,533
16: 2,978,086
2,986,255
2,989,166
3,014,569
17: Re.25,011
Re.25,024
2,971,625
2,973,078
2,976,977
3,001,625
3,001,626
3,001,627
3,011,616
3,011,617
19: 2,973,079
2,981,395
20: 2,968,383
2,980,227
2,995,231
3,011,618
33: 2,987,161
36: 2,975,881
52: 2,969,864
3,001,628
56: 2,986,256
63: 2,996,164
3,001,629
64: 2,986,257
66: 2,984,328
74: 3,001,630
83: 2,992,718
84: 2,966,981
2,971,626
2,972,401
2,973,080
2,996,165
88: 2,986,258
107: 2,980,228
114: 2,992,719
3,005,534
127: 2,971,627
128: 2,978,087
130: 2,996,166
3,000,487
133: 2,971,628
2,973,081
2,981,396
2,983,355
2,983,356
2,983,357
3,013,646
3,014,570
136: 2,995,232
138: 2,978,088
149: 2,986,259
151: 2,986,260
2,999,578
3,008,561
159: 2,984,329
160: 3,014,571
161: 2,978,089
162: 2,978,090
3,010,558
165: 2,972,402
170: 2,973,082
171: 2,969,865
172: 3,010,559
175: 2,967,601
2,998,878
177: 2,988,193
2,988,194
2,990,931
3,007,564
186: 3,001,631

Class 198

1: 2,990,048
2,997,153
7: 2,966,982
9: 2,966,983
14: 2,982,391
16: 2,967,602
2,979,180
2,981,397
2,983,358
19: 2,972,403
2,975,882
2,979,181
2,981,398
2,983,359
2,983,360
2,988,195
2,995,233
2,996,167
2,997,154
2,998,115
2,999,579
3,006,452
20: 2,968,384
2,975,883

20: 2,984,330
2,985,274
2,988,196
3,009,557
3,009,558
3,011,619
21: 2,986,261
2,987,162
2,993,582
22: 2,987,163
24: 2,971,629
2,983,361
2,990,932
2,995,234
2,998,116
25: 3,006,453
26: 2,968,385
2,969,136
2,985,275
3,008,562
3,014,572
27: 3,010,560
29: 2,969,866
2,986,262
2,995,235
2,998,117
3,062,603
3,009,559
30: 2,988,197
2,998,118
3,008,563
3,009,560
31: 2,978,091
2,980,229
2,980,230
2,980,231
2,981,399
2,990,933
2,993,583
3,008,564
32: 2,978,092
2,988,198
3,010,561
33: 2,968,386
2,968,387
2,968,388
2,969,867
2,970,683
2,972,404
2,974,773
2,974,774
2,976,978
2,980,232
2,980,233
2,984,331
2,984,332
2,985,276
2,988,199
2,990,934
2,990,935
2,992,720
2,998,119
3,000,488
3,001,632
3,003,610
3,004,649
3,004,650
3,005,535
3,007,565
3,009,561
3,011,620
3,012,650
3,012,651
34: 2,978,093
2,979,182
2,980,234
2,986,263
2,989,167
2,991,869
3,013,647
35: 2,971,630
3,013,648
37: 2,999,580
38: 2,967,603
2,969,137
2,979,183
2,980,235
2,986,264
2,990,049
2,990,936
2,993,584
3,014,573
39: 2,985,277
2,990,937
41: 2,974,775
45: 2,976,979
3,005,536
46: 2,974,776
52: 2,987,164
2,988,200
3,010,562
53: 2,975,884
57: 2,983,362

Class 198—Con.

64: 2,981,400
2,991,870
3,001,633
78: Re.25,098
2,969,808
3,011,621
81: 3,014,574
84: 2,978,094
85: 2,992,721
85.8: 3,003,611
89: 2,986,265
3,006,454
90: 2,990,938
92: 3,003,612
95: 2,992,722
102: 2,984,333
104: 2,976,980
105: 3,005,537
108: Re.25,092
2,990,939
109: 2,966,984
2,979,184
119: 2,971,631
2,990,050
120.5: 2,998,120
126: 2,996,168
3,005,538
3,013,649
127: 2,976,981
3,012,652
128: 2,967,004
2,979,185
2,988,201
131: 2,970,681
2,981,401
2,984,334
2,989,168
2,997,155
137: 2,990,940
3,002,604
138: 3,010,564
139: 2,976,982
2,986,266
2,990,051
2,992,723
140: 2,987,165
152: 2,973,854
154: 2,995,236
158: 3,012,633
160: 2,975,885
2,979,186
2,985,278
3,001,489
162: 2,996,169
3,006,455
164: 2,992,724
165: 2,971,632
2,978,095
2,987,166
2,997,156
2,999,581
3,011,622
167: 3,002,605
3,010,565
170: 2,990,941
176: 2,994,422
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3,008,565
177: 2,976,983
3,001,634
3,006,456
178: 2,971,633
179: 2,976,984
3,005,589
180: 2,969,809
2,997,157
181: 2,997,605
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182: 2,990,052
184: 2,973,083
2,979,187
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3,010,566
185: 2,971,635
2,990,053
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188: 3,001,635
3,006,457
189: 2,980,236
191: 2,998,121
192: 2,974,777
2,983,363
2,999,582
3,010,567
3,017,623
195: 2,969,870
2,987,167
2,987,168
196: 2,989,169
199: 2,987,169
201: 2,998,122
202: 2,983,364
2,983,365
3,002,606
3,004,652
203: 2,973,084
2,984,335
2,984,336
2,992,725
3,009,562
3,011,624
204: 2,988,202
2,989,170
3,001,636
3,003,614
208: 2,969,138
2,986,267
3,008,566
209: 2,971,636
3,013,650
210: 2,984,337
212: 2,989,171
2,991,871
213: 2,973,855
2,980,237
2,984,402
2,984,403
2,987,170
2,988,203
2,998,123
3,014,575
214: 2,990,942
217: 2,978,097
218: 2,968,389
219: 2,973,856
3,003,615
220: 2,967,006
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2,985,280
2,985,281
2,991,872
2,993,585
2,997,158
3,011,625
3,012,654
221: 2,968,390
2,985,282
3,006,458
224: 2,984,338
2,988,204
225: 3,001,637
229: 3,013,651
232: 2,984,339
2,985,283
2,986,268
3,005,540
3,014,576

Class 199

26: 2,997,159
27: 3,008,567
37: 2,975,886
47: 2,991,873
3,012,655
3,012,656
59: 2,987,171
61: 2,969,139
3,006,459
77: 3,011,626
91: 3,009,563

Class 200

1: 2,983,768
2: 2,988,665
5: 2,967,916
2,972,661
2,975,245
2,977,428
2,977,429
2,978,547
2,983,008
2,997,551
6: 2,967,215
2,968,703
2,978,548
2,989,599
3,012,110
8: 3,014,969
11: 2,970,191
2,971,096
2,978,549
2,980,770
2,985,725
2,985,726
2,988,606
2,988,607
2,991,337
2,994,718
3,005,881
3,005,882
14: 2,976,375
3,009,963
3,015,000
16: 2,977,430
2,977,442
2,982,823
3,005,883
3,015,001
18: 2,968,704
2,968,705
2,969,439
19: 2,987,587
3,001,635
20: 2,978,550
24: 2,967,216
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2,975,246
2,980,771
2,982,821
2,986,611
2,997,552
3,012,111
26: 2,984,715
3,004,115
27: 2,990,459
30: 2,978,551
2,979,577
2,987,588
2,987,589
2,989,600
2,989,601
2,993,963
2,997,553
3,003,043
3,014,101
31: 2,985,727
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32: 2,979,578
33: 2,968,706
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2,993,964
2,994,749
3,003,044
3,005,662
3,009,991
34: 2,993,965
35: 2,988,608
37: 2,979,579
38: 2,972,662
2,975,247
2,976,377
2,977,433
2,978,553
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2,981,808
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2,984,716
2,985,728
2,992,299
2,993,009
2,993,966
2,997,554
3,001,036
3,002,060
3,009,028
3,011,034
3,012,112
3,015,002
3,015,003
39: 2,996,585
42: 2,979,581
2,983,799
43: 2,984,717
44: 3,013,129
46: 2,977,434
3,002,061
3,015,004
47: 2,973,412
2,988,609
2,995,634
3,005,884
48: 2,970,192
2,988,610
2,988,611
3,004,116
3,004,117
3,005,063
3,009,995
50: 2,967,917
2,982,827
2,988,612
2,997,555
3,001,037
3,005,064
3,005,885
3,007,016
3,008,016
3,009,029
51: 2,986,612
2,987,590
51.05: 3,004,118
51.09: 2,986,613
3,011,035
51.1: 2,982,828
51.14: 2,985,729
3,004,119
51.16: 3,013,130
52: 2,973,413
2,990,910
3,009,030
56: 2,973,414
2,992,300
2,992,301
3,012,113
61.01: 2,969,440
3,002,062
61.08: 3,003,045
3,004,120
61.27: 2,977,435
61.34: 2,999,911
61.35: 2,978,554
61.4: 2,971,067
61.41: 2,987,591
2,997,556
61.43: 3,001,038
61.45: 2,967,217
2,976,378
2,979,582
2,983,800
2,985,615
2,996,586
2,997,557
3,001,039
61.46: 2,972,027
2,975,248
2,991,339
2,998,498
61.48: 2,997,558
61.5: 2,972,026
2,981,809
2,986,614
61.51: 2,980,773
61.52: 2,986,616
61.53: 2,993,400
61.58: 2,996,587
61.62: 3,005,065
61.73: 2,984,718
65: 2,969,441
67: 2,969,442
2,971,068
2,972,033
2,975,249
2,975,250
2,977,436
2,978,555
2,980,774
2,985,730
2,987,592
2,988,613
2,993,101
2,993,102
2,994,750
2,999,138
3,001,040
3,001,041
3,001,042
3,012,111
3,013,131
3,015,005
72: 2,971,069
76: 2,967,218
77: 2,969,443
78: 3,005,096
80: 2,991,310
2,997,559
2,999,139
3,001,043
3,001,044
3,005,886
3,009,966
3,013,132
3,013,133
81: 2,983,801
81.4: Re.25,093
2,972,028
3,002,063
81.5: 2,992,302
81.9: 2,974,206
2,977,437
2,985,731
3,005,887
3,013,134
82: 2,970,193
2,982,829
2,985,732
2,986,617
2,988,614
2,996,588
2,999,912
3,008,017
83: 2,968,707
2,971,070
2,975,251
83: 2,982,830
2,984,719
3,001,045
3,002,064
3,005,067
3,005,888
3,007,017
3,009,031
3,009,032
3,012,115
3,015,006
84: 2,973,415
2,979,583
2,980,775
2,989,602
2,989,613
3,005,068
3,009,997
3,013,135
86.5: 2,982,831
87: 2,967,918
2,969,444
2,969,445
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2,972,029
2,976,379
2,977,438
2,980,776
2,980,777
2,981,810
2,984,720
2,985,733
2,985,734
2,987,593
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2,989,603
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2,992,304
2,992,305
2,992,306
2,993,103
2,994,751
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2,999,914
3,001,046
3,001,047
3,001,048
3,002,065
3,002,066
3,002,067
3,005,069
3,005,070
3,005,071
3,005,072
3,005,889
3,008,018
3,009,033
3,009,998
3,011,036
3,012,116
3,012,117
3,013,136
3,013,137
3,014,102
3,014,103
88: 2,981,811
2,989,604
2,989,605
2,989,606
3,002,068
3,008,019
3,012,118
89: 2,977,439
3,009,034
90: Re.21,938
2,967,219
2,974,207
2,988,616
2,992,307
91: 2,990,461
93: Re.24,998
2,975,252
2,986,618
2,997,569
2,999,915
2,999,916
3,008,020
3,008,021
94: 3,005,073
98: 2,984,721
2,987,594
2,994,752
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102: 2,976,380
2,992,308
103: 2,982,832
2,985,735
2,993,101
104: 2,973,416
2,978,556
2,982,833
2,983,802
101: 2,985,736
2,993,967
2,999,140
3,004,121
3,005,890
105: 2,990,462
106: 2,967,919
2,991,753
112: 2,973,417
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113: 2,967,920
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2,980,779
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2,984,723
2,993,968
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3,012,119
3,013,138
3,014,104
114: Re.25,003
2,970,194
2,979,584
2,981,812
2,983,803
2,985,737
2,986,619
2,989,607
3,002,070
3,005,891
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3,009,037
3,009,038
3,015,007
115: 2,980,608
115.5: 2,972,030
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116: 2,968,709
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120: 2,972,031
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3,005,074
3,007,019
3,011,038
3,012,121
3,015,008
122: 2,987,505
2,988,618
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123: 2,973,418
124: 2,971,072
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130: 2,988,619
131: 2,971,208
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132: 3,007,020
133: 2,980,610
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135: 3,009,040
137: 2,989,611
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138: 2,970,195
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2,992,309
2,999,142
3,001,051
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3,004,124
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3,012,122
3,014,105
3,015,009
139: 3,011,039
140: 2,979,586
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141: 2,990,463
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142: 2,974,210
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143: 2,992,310
144: 2,967,220
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2,975,256
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2,993,971
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3,014,108
3,014,109
3,014,110
145: 2,967,221
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146: 2,977,446
2,978,558
147: Re.25,089
2,970,196
2,970,197
2,995,638
148: 2,969,446
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2,970,198
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2,978,559
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2,979,590
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2,981,814
2,981,815
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149: 2,988,622
150: 2,994,756
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152: 2,974,211
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153: 2,970,199
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156: 2,967,222
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157: 2,975,257
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2,985,740
2,993,972
159: 2,972,033
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160: 3,003,047
161: 2,977,448
166: 2,970,200
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2,976,383

140: 2,979,586
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142: 2,974,210
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143: 2,992,310
144: 2,967,220
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2,975,256
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2,980,782
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2,982,836
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2,993,971
3,002,072
3,005,892
3,007,021
3,008,022
3,009,041
3,014,106
3,014,107
3,014,108
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3,014,110
145: 2,967,221
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147: Re.25,089
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2,995,638
148: 2,969,446
2,969,447
2,970,198
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157: 2,975,257
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159: 2,972,033
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2,982,837
2,996,593
160: 3,003,047
161: 2,977,448
166: 2,970,200
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2,976,383

166: 2,976,384
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2,993,105
2,999,918
2,999,919
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3,004,125
3,004,126
3,004,127
3,005,078
3,009,043
3,011,041
3,014,113
3,015,011
168: 2,968,710
2,976,385
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2,984,725
2,984,726
2,985,741
2,989,612
2,995,639
2,995,640
2,998,500
2,999,920
170: 2,981,817
3,012,123
172: 2,967,922
2,975,258
3,004,128
3,008,024

Class 202

1: 2,978,386
6: 2,967,133
2,980,592
2,982,701
2,989,442
2,992,975
2,997,426
3,001,016
3,011,953
7: 3,006,816
12: 2,974,090
14: 2,984,602
15: 3,013,951
16: 3,004,898
19: 2,996,437
21: 2,973,306
26: 3,009,863
3,010,882
31: 2,998,354
3,007,849
33: 2,979,441
37: 2,975,106
2,997,427
3,007,850
39.5: 2,976,223
2,981,661
2,981,662
2,981,663
2,990,340
2,993,840
2,993,841
2,998,355
2,999,053
3,000,794
3,008,880
3,012,947
3,013,952
3,013,953
40: 2,977,289
2,992,168
2,992,976
2,994,643
2,994,644
3,003,928
3,003,929
3,009,864
42: 2,977,290
2,991,232
2,995,500
2,996,438
2,999,794
3,006,817
3,007,851
3,011,954
3,012,948
3,013,954
45: 2,999,795
46: 2,969,306
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2,978,387
2,990,341
2,998,356
3,003,930
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51: 2,998,357
52: 2,975,107
2,994,645
53: 3,003,931
3,011,955

57: 2,971,894
2,977,291
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2,987,451
2,987,452
2,991,233
2,992,169
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3,000,796
3,007,853
64: 2,975,108
2,992,977
2,993,842
67: 3,002,896
69: 2,970,089
2,989,443
2,999,054
72: 2,968,593
2,977,292
74: 2,976,224
109: 2,975,109
118: 2,983,653
119: 2,993,843
141: 2,971,895
151: 2,970,949
158: 2,981,665
160: 2,971,896
2,985,565
2,992,978
2,994,646
161: 3,002,897
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173: 2,979,443
2,993,844
174: 2,971,897
187: 2,994,647
191: 3,004,899
3,004,900
206: 3,011,956
234: 3,006,818
236: 2,996,439
2,999,796
3,004,901
248: 2,993,845

Class 204

1: 2,977,293
2,992,170
2,993,846
2,999,797
3,001,917
3,001,918
3,003,932
3,005,758
1.5: 2,952,702
3,008,881
2: 2,983,654
2,995,501
9: 2,975,110
10: 3,002,898
3,014,850
15: 2,983,655
2,993,847
2,995,502
3,000,797
3,000,798
3,006,819
3,008,882
3,013,955
3,014,851
16: 2,978,388
2,982,703
18: 3,010,883
3,010,884
20: 2,967,805
2,982,704
23: 2,971,898
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24: 2,978,389
2,993,848
25: 2,967,134
26: 2,970,950
2,980,593
2,990,342
28: 2,989,445
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29: 2,971,899
2,998,358
32: 2,980,594
3,002,899
3,010,885
33: 2,970,090
34: 2,973,307
2,999,798
35: 2,985,566
37: 2,974,091
3,007,855
38: 2,970,091
2,972,570
2,988,491

38: 2,991,234
2,998,359
3,004,903
3,006,821
40: 3,011,957
41: 2,985,567
2,989,446
42: 2,977,294
2,989,447
2,999,709
3,002,900
43: 2,967,135
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2,977,295
2,988,492
2,990,343
3,002,901
44: 2,989,448
46: 2,978,390
2,986,498
47: 2,984,603
2,984,604
48: 2,986,499
49: 2,972,571
2,976,225
2,978,391
2,980,595
2,986,500
2,986,501
2,994,648
2,998,360
3,000,799
3,002,902
3,002,903
3,002,904
3,003,933
3,006,822
3,007,856
3,008,883
50: 2,990,344
3,014,852
51: 2,987,453
2,992,171
3,006,823
52: 2,970,951
2,972,572
2,997,428
3,000,800
55: 2,989,449
3,005,759
56: 2,998,361
3,011,958
57: 2,994,649
59: 2,978,392
2,985,568
3,006,824
3,007,857
3,007,858
60: 2,984,605
3,000,801
61: 2,968,599
62: 2,970,092
2,970,093
2,990,347
64: 2,974,092
2,975,111
2,981,666
2,985,569
2,986,502
2,986,503
2,994,650
2,999,055
3,002,905
3,002,906
3,003,934
65: 2,987,454
67: 2,980,596
2,991,235
3,006,825
70: 2,974,093
72: 2,967,806
81: 2,981,667
94: 2,989,450
96: 2,984,606
3,003,935
3,006,826
98: 2,967,807
2,978,393
2,993,849
99: 2,967,808
2,970,095
2,985,570
105: 3,003,936
106: 2,970,096
108: 2,978,394
119: 2,975,112
2,996,440
129: 2,984,607
131: 2,983,656
140.5: 2,967,136
2,997,429
141: 2,980,597
3,006,827

143: 2,979,444
2,998,362
3,002,907
3,013,956
146: 3,002,908
147: 2,976,226
3,004,905
3,009,865
3,011,959
148: 2,982,705
3,001,919
3,002,909
149: 2,977,296
3,010,886
151: 2,980,598
2,997,430
3,006,828
154: 2,967,137
2,967,138
2,973,309
2,978,395
2,978,396
2,979,445
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2,979,447
2,981,668
2,982,706
2,983,657
2,984,608
2,988,493
2,989,451
2,989,452
2,990,345
2,990,346
2,996,441
2,999,056
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3,002,911
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3,006,830
3,006,831
3,012,950
3,013,957
151.2: 2,967,139
2,967,809
2,969,307
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2,975,113
2,980,599
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2,983,658
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2,986,504
2,987,455
2,989,453
2,989,454
2,990,348
2,990,349
2,991,236
2,991,237
2,992,172
2,994,651
2,997,431
2,998,363
2,998,364
2,999,057
3,000,802
3,002,912
3,004,906
3,004,907
3,005,760
3,005,761
3,006,832
3,008,884
3,011,960
3,012,951
3,014,853
156: 2,983,661
2,986,505
2,986,506
157: 2,987,456
2,994,652
2,998,365
3,001,920
158: 2,967,810
2,973,310
2,981,670
2,985,572
2,986,507
2,989,455
2,990,350
3,001,921
3,008,885
3,012,952
162: 2,974,094
2,978,397
2,987,457
2,992,173
2,997,432
2,997,433
2,998,366
3,001,922

162: 3,002,913
3,003,938
3,008,886
3,012,953
3,014,854
163: 2,970,952
2,979,448
2,994,653
3,004,908
3,006,833
164: 2,967,140
2,979,449
2,985,573
3,003,939
3,005,762
3,008,887
3,012,954
165: 3,008,888
3,013,958
178: 2,997,434
180: 2,981,671
2,992,979
2,995,503
3,003,940
3,004,904
3,004,909
3,005,763
3,014,855
181: 2,982,707
2,994,654
184: 2,996,442
190: 2,974,095
193: 2,992,980
193.2: 2,967,141
2,967,811
2,967,812
2,968,600
2,968,601
2,968,602
2,969,309
2,969,310
2,969,311
2,969,312
2,969,313
2,970,097
2,974,096
2,975,114
2,975,115
2,975,116
2,975,117
2,975,118
2,975,119
2,976,227
2,977,297
2,978,398
2,978,399
2,979,450
2,979,451
2,980,667
2,981,672
2,981,673
2,982,708
2,982,709
2,982,710
2,982,711
2,982,712
2,982,713
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2,984,611
2,984,612
2,984,613
2,985,574
2,985,575
2,985,576
2,986,508
2,986,509
2,986,510
2,987,458
2,987,459
2,988,494
2,988,495
2,989,456
2,990,351
2,990,352
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2,990,360
2,991,238
2,992,174
2,992,175
2,992,176
2,992,177
2,992,178
2,992,179
2,992,981
2,992,982
2,993,850

193.2: 2,993,851
2,993,852
2,994,655
2,994,656
2,994,657
2,995,504
2,995,505
2,995,506
2,996,443
2,996,444
2,997,435
2,997,436
2,998,367
2,998,368
2,998,369
2,998,370
2,999,058
2,999,059
2,999,060
3,000,728
3,000,803
3,001,923
3,003,941
3,005,764
3,005,765
3,005,766
3,005,767
3,006,834
3,006,835
3,007,859
3,007,860
3,008,889
3,008,890
3,008,891
3,009,866
3,009,867
3,009,868
3,009,869
3,010,887
3,010,888
3,010,889
3,010,890
3,011,961
3,011,962
3,012,955
3,012,956
3,012,957
3,014,856
3,014,857
194: 2,973,311
195: 2,978,400
2,986,511
2,987,460
2,993,853
3,000,804
3,000,805
3,006,836
3,007,861
3,014,858
196: 2,982,714
2,986,512
2,987,461
2,988,496
2,992,983
2,994,658
2,996,445
2,998,371
2,999,800
3,010,891
197: 3,001,924
3,012,958
3,012,959
206: 2,974,097
2,998,372
3,011,963
207: 2,975,120
3,008,892
209: 2,997,437
212: 2,979,452
213: 2,988,497
2,991,239
3,008,893
219: 3,002,914
224: 2,967,813
3,001,925
228: 3,004,910
239: 2,991,240
242: 2,969,314
2,995,507
243: 3,009,870
244: 2,999,801
245: 2,987,462
246: 2,996,446
2,998,373
250: 2,986,513
2,998,374
266: 2,987,463
272: 3,003,942
273: 2,997,438
275: 2,972,573
280: 3,006,837
284: 2,967,814
2,969,315
288: 2,967,142
2,974,098

294: 2,998,375
295: 3,011,964
296: 2,977,298
2,978,401
297: 2,999,802
3,000,806
3,001,926
3,013,959
298: 2,998,376
299: 2,989,457
301: 2,970,098
2,978,402
2,987,464
2,990,361
302: 2,976,228
312: 3,006,838
322: 3,010,892
325: 2,992,984

Class 205

2: 2,999,943
3: 2,980,238
2,998,124
4: 2,979,188
2,994,423
7: 2,983,366
2,998,125
3,006,460
3,013,652
8: 2,969,871
9: 3,004,653
14: 2,996,170
21: 2,974,778
22: 2,987,173
24: 3,010,568

Class 206

.5: 2,986,269
2,997,160
3,012,657
.7: 2,973,085
.83: 2,985,284
2,998,126
1: 2,976,985
2,989,172
2,990,944
2,992,726
2,998,127
2,998,879
3,009,504
3: 2,990,945
5: 2,966,985
2,967,607
2,996,171
3,007,566
7: 2,973,857
2,974,779
2,974,780
2,980,239
2,991,874
3,003,616
3,003,617
3,004,654
3,007,567
8: 3,008,568
12: 2,999,583
15.1: 2,979,189
3,000,491
16: 2,969,140
2,974,781
2,976,986
2,982,392
2,983,367
2,988,205
2,996,172
3,002,607
3,003,618
3,012,658
16.5: 2,969,141
3,010,569
17: 2,971,637
17.5: 2,985,285
2,997,161
19: 2,981,404
19.5: 2,979,190
2,982,393
2,988,206
2,989,173
3,004,655
3,007,568
3,008,569
3,011,627
29: 2,985,286
2,996,173
2,996,174
2,997,162
37: 2,990,054
2,990,946
38: 2,990,055
2,993,586
3,001,638

Class 206—Con.

41: 2,984,340
2,999,584
41.2: 2,997,163
41.3: 2,991,875
42: 2,968,391
2,971,638
2,975,887
3,010,570
43: 3,008,570
44: 2,970,685
2,989,174
3,004,656
45: 2,996,175
45.11: 2,967,608
45.13: 2,960,056
2,991,876
3,003,619
3,005,541
45.14: 2,968,392
2,980,210
2,983,368
3,002,608
3,002,609
3,003,620
3,009,565
45.15: 3,010,571
45.18: 3,003,997
45.19: 2,980,241
2,993,587
3,011,628
45.31: 2,973,086
2,980,242
2,990,947
3,006,461
3,011,629
45.33: 2,974,782
2,979,191
2,980,243
2,986,270
2,995,237
3,003,621
45.34: 2,971,639
2,975,888
2,975,889
2,998,128
3,004,657
46: 2,968,393
2,971,640
2,971,641
2,972,405
2,974,783
2,979,192
2,980,244
2,980,245
2,981,405
2,982,394
2,982,395
2,985,287
2,985,288
2,987,174
2,987,175
2,990,948
2,990,949
2,991,124
3,004,425
2,996,176
2,997,164
2,998,129
2,998,130
3,000,492
3,001,639
3,003,622
3,003,623
3,003,624
3,005,542
3,006,462
3,008,571
3,009,566
3,009,567
3,012,659
3,012,660
47: 2,967,609
2,968,394
2,972,406
2,974,784
2,974,787
2,974,786
2,979,193
2,982,396
2,985,289
2,988,207
2,996,177
2,997,165
2,998,131
3,001,640
48: 2,975,890
3,011,630
3,012,661
50: 2,981,406
51: 2,976,287
3,001,641
52: 2,970,686
2,973,858
52: 2,992,727
2,996,178
3,000,493
3,000,494
3,001,642
3,002,610
3,004,658
3,013,653
3,014,577
3,014,578
53: 2,971,642
2,985,290
2,993,588
3,012,662
56: 2,969,142
2,972,407
2,973,087
2,976,988
2,980,246
2,980,247
2,982,397
2,983,369
2,983,370
2,984,341
2,985,291
2,988,208
2,988,209
2,997,166
2,999,585
3,001,643
3,001,644
3,002,611
3,005,543
3,007,569
3,007,570
3,009,568
3,010,572
3,013,654
3,014,579
3,014,580
57: 2,967,610
2,967,611
2,979,194
2,982,398
2,990,950
2,997,167
3,001,645
58: 3,001,646
59: 2,969,143
2,973,088
2,978,098
2,984,342
2,985,292
2,996,179
3,000,495
3,006,463
3,006,464
60: 2,990,057
3,011,631
62: 2,968,395
2,970,687
2,973,089
2,976,989
2,981,407
2,984,313
2,990,058
2,995,238
2,997,168
3,004,659
3,005,544
63.2: 2,966,986
2,968,396
2,969,144
2,969,145
2,969,872
2,973,859
2,974,787
2,980,248
2,990,059
2,998,880
3,003,625
3,005,545
3,007,571
65.3: 2,985,293
2,993,589
63.5: 2,984,344
65: Re.24,925
2,967,612
2,968,397
2,969,146
2,973,090
2,974,788
2,974,789
2,975,891
2,975,892
2,976,990
2,978,099
2,980,249
2,982,399
2,982,400
2,983,371
2,983,372
2,984,345
2,984,346
2,984,347
65: 2,985,294
2,985,295
2,986,271
2,986,272
2,987,176
2,989,175
2,989,176
2,989,177
2,990,951
2,994,426
2,996,180
2,996,181
2,997,169
2,997,170
2,998,132
3,000,496
3,001,647
3,002,612
3,002,613
3,005,546
3,008,572
3,009,569
3,010,573
3,010,574
3,011,632
3,012,663
3,013,655
3,014,581
66: 2,988,210
3,004,660
3,014,582
72: 3,013,656
73: 2,968,398
2,981,408
3,003,626
78: 2,985,296
2,993,590
2,994,427
3,004,661
79: 2,973,091
2,973,890
2,985,297
2,989,178
80: 2,987,177
83.5: 2,971,643

Class 267

1: 2,976,991
2,988,211
3,010,575
2: 2,967,613
2,974,790
2,975,893
3,002,614
3,002,615
3,012,664
3,014,583
4: 2,969,873
2,981,109
2,991,877
6: 2,966,987
2,979,195
10: 2,986,273
15: 2,974,791
16: 2,983,373
17: 2,969,874
2,971,641
2,973,092
3,013,657
18: 2,971,645

Class 268

1: 2,992,180
2: 2,967,815
2,976,229
4: 2,991,241
3,003,943
6: 2,985,577
8: 2,970,953
2,976,230
2,977,299
2,989,158
3,010,893
10: 2,987,465
11: 2,968,603
2,973,312
2,980,600
3,008,894
14: 3,000,807
15: 2,967,816
16: 2,985,578
20: 2,983,664
21: 2,967,817
2,995,508
22: 2,992,181
3,003,944
23: 2,970,699
3,000,808
26: 2,982,715
27: 2,985,579
2,985,580
2,998,377
28: 2,998,378
3,005,768
31: 2,979,453
3,012,960
33: 2,972,574
2,990,362
3,006,839
3,014,859
36: 3,013,960
38: 3,002,915
39: 2,983,665
2,999,803
42: 2,983,666
44: 2,980,601
45: 2,967,818
2,980,602
3,003,945
3,003,946
3,003,947
3,005,769
50: 3,005,771
57: 2,970,954
59: 2,971,900
2,971,901
60: 2,984,614
2,987,466
64: 2,995,509
3,001,927
3,002,916
3,011,965
65: 2,968,604
2,970,100
2,970,955
2,971,902
2,985,581
2,990,363
2,999,801
3,000,809
3,001,928
3,003,948
3,007,562
66: 2,983,667
2,996,447
3,012,961
67: 2,999,661
68: 2,974,099
3,008,895
70: 2,968,605
2,968,606
2,970,101
2,981,674
2,982,716
2,998,379
72: 2,998,380
74: 3,008,896
78: 2,984,615
3,004,911
79: 2,967,143
2,969,316
3,000,810
3,002,917
3,003,949
80: 2,980,603
81: 3,011,995
82: 3,006,840
85: 2,985,582
86: 2,973,313
87: 2,967,144
2,984,616
88: 2,967,819
2,984,617
89: 3,003,950
90: 3,000,811
92: 3,007,563
95: 2,968,607
2,968,608
2,981,675
2,983,668
96: 2,969,317
2,976,231
97: 2,983,669
2,987,467
99: 2,987,468
100: 2,968,609
2,968,610
2,981,618
101: 2,985,583
102: 2,989,459
2,999,662
107: 2,989,460
2,989,461
108: 2,982,717
110: 2,983,670
111: 2,980,604
112: 2,967,820
2,970,102
113: 2,982,718
2,994,659
119: 2,971,903
2,996,448
120: 2,981,676
2,982,719
2,985,584
3,003,951
124: 2,982,720
126: 2,968,611
127: 2,983,671
2,985,585
134: 2,967,145
2,991,242
3,002,918
135: 2,971,904
3,009,871
136: 2,967,821
2,967,822
2,968,612
2,983,672
2,993,854
3,001,929
3,001,930
2,980,919
137: 2,967,823
138: 2,969,318
2,976,232
2,980,605
2,988,498
2,992,985
3,000,812
3,002,920
3,002,921
3,003,952
139: 2,969,319
2,972,576
2,984,619
2,995,510
3,000,813
3,006,841
3,011,967
140: 2,989,462
2,999,805
3,000,814
3,005,770
3,011,968
143: 2,993,855
144: 2,967,146
2,967,147
3,000,815
146: 2,981,677
150: 3,011,969
152: 2,983,673
154: 3,012,962
162: 2,968,613
164: 2,970,103
2,970,931
173: 3,005,772
177: 3,006,842
3,013,961
187: 2,978,403
188: 2,973,314
3,011,970
197: 2,988,499
204: 2,978,404
206: 2,978,405
2,988,500
2,999,806
207: 2,983,674
208: 3,004,912
209: 2,960,364
210: 3,011,971
211: 2,973,315
2,988,501
3,001,932
3,006,843
212: 2,983,675
213: 2,995,511
216: 2,992,182
2,998,381
3,000,816
3,006,844
217: 3,012,993
218: 2,983,676
226: 2,970,956
228: 2,973,316
231: 2,997,439
232: 3,000,817
234: 2,987,469
235: 2,998,382
251: 2,969,320
2,970,957
2,972,577
2,975,121
2,976,233
2,998,383
3,008,897
252: 2,971,905
253: 2,987,470
2,990,365
254: 2,971,906
2,980,606
2,981,678
2,984,620
2,999,807
2,984,349
2,990,060
2,993,591
2,999,588
3,003,629
3,008,576
3,008,577
3,011,633
3,011,634
264: 2,999,808
3,011,972
284: 2,986,514
287: 3,014,861
288: 3,013,963
3,013,964
3,013,965
289: 2,967,824
2,978,406
291: 2,973,318
295: 2,970,104
2,970,105
297: 3,011,973
308: 3,011,974
310: 2,967,148
2,978,407
2,981,679
2,987,471
2,988,502
3,010,894
322: 2,968,615
323: 3,004,915
340: 2,982,721
341: 2,974,100
2,982,722
2,990,366
347: 2,970,106
350: 2,976,234
361: 2,970,107
370: 2,984,621

Class 209

1: 2,973,861
2: 2,966,988
2,967,614
2,976,992
2,982,401
2,992,728
3,002,616
3: 2,979,196
4: 2,991,878
2,997,171
5: 2,999,586
3,009,570
9: 3,008,573
12: 2,967,615
2,970,688
2,970,689
2,984,348
2,988,212
2,996,182
3,008,574
3,008,575
17: 3,000,497
18: 2,978,100
21: 2,988,213
28: 2,996,183
30: 2,968,399
32: 2,967,616
3,005,547
33: 2,997,172
35: 3,010,576
38: 2,972,408
39: 2,979,197
45: 3,006,465
71: 2,988,214
3,003,627
72: 2,970,690
2,975,894
2,981,410
2,981,411
2,982,402
2,985,298
2,985,299
2,987,178
2,988,215
2,988,216
2,988,217
2,989,179
2,990,952
2,991,879
2,994,428
73: 2,978,101
2,987,179
2,991,880
2,999,587
74: 2,979,198
2,984,349
2,990,060
2,993,591
2,999,588
3,003,629
3,008,576
3,008,577
3,011,633
3,011,634
75: 2,980,250
2,991,881
2,993,592
3,010,577
77: 2,991,882
79: 2,990,953
2,992,729
80: 3,006,467
3,012,665
81: 2,969,875
2,972,409
2,978,102
2,985,300
2,986,274
2,986,275
2,992,730
2,992,731
3,000,498
3,001,648
3,003,630
3,003,631
82: 2,966,989
2,970,691
2,972,410
2,982,403
2,982,404
2,990,954
2,998,881
2,999,589
2,999,590
2,999,591
3,013,659
83: 2,983,374
2,990,062
84: 2,990,955
3,003,632
88: 2,976,993
2,983,375
2,988,218
2,993,593
3,008,578
90: 2,974,792
2,982,405
2,982,406
2,984,350
2,987,180
2,996,185
2,998,133
2,998,134
3,000,499
3,001,649
3,006,468
91: 2,982,407
3,004,663
3,008,579
92: 3,013,660
97: 3,002,617
98: 2,984,351
102: 2,986,276
3,002,618
106: 2,973,093
2,974,793
2,974,794
2,983,376
2,993,594
107: 2,989,180
3,011,635
110: 2,969,876
2,987,181
2,990,956
2,990,957
2,995,240
2,995,241
2,995,242
3,007,572
111: 2,971,646
2,982,408
2,984,352
2,987,182
2,988,219
2,989,181
111.5: 2,993,595
2,993,596
2,994,429
2,996,186
3,003,633
3,003,634
3,004,664
3,005,548
3,005,549
3,005,550
3,009,571
3,012,666
3,012,667
3,013,661
114: 2,979,199
118: 2,995,243
119: 3,004,665
120: 2,998,135
3,014,584
121: 2,979,200
2,979,201
2,980,251
2,980,252
121: 2,
2,
2,
2,
2,
3,
3,
3,
3,
3,
122: 2,
2,
125: 2,
2,
3,
3,
127: 3,
129: 3,
130: 3,
132: 3,
133: 2,
134: 2,
135: 2,
2,
2,
3,
136: 2,
2,
2,
2,
2,

75: 2,980,250
2,991,881
2,993,592
3,010,577
77: 2,991,882
79: 2,990,953
2,992,729
80: 3,006,467
3,012,665
81: 2,969,875
2,972,409
2,978,102
2,985,300
2,986,274
2,986,275
2,992,730
2,992,731
3,000,498
3,001,648
3,003,630
3,003,631
82: 2,966,989
2,970,691
2,972,410
2,982,403
2,982,404
2,990,954
2,998,881
2,999,589
2,999,590
2,999,591
3,013,659
83: 2,983,374
2,990,062
84: 2,990,955
3,003,632
88: 2,976,993
2,983,375
2,988,218
2,993,593
3,008,578
90: 2,974,792
2,982,405
2,982,406
2,984,350
2,987,180
2,996,185
2,998,133
2,998,134
3,000,499
3,001,649
3,006,468
91: 2,982,407
3,004,663
3,008,579
92: 3,013,660
97: 3,002,617
98: 2,984,351
102: 2,986,276
3,002,618
106: 2,973,093
2,974,793
2,974,794
2,983,376
2,993,594
107: 2,989,180
3,011,635
110: 2,969,876
2,987,181
2,990,956
2,990,957
2,995,240
2,995,241
2,995,242
3,007,572
111: 2,971,616
2,982,408
2,984,352
2,987,182
2,988,219
2,989,181
11.5: 2,993,595
2,993,596
2,994,429
2,996,186
3,003,633
3,003,634
3,004,664
3,005,548
3,005,549
3,005,550
3,009,571
3,012,666
3,012,667
3,013,661
114: 2,979,199
118: 2,995,243
119: 3,004,665
120: 2,998,135
3,014,584
121: 2,979,200
2,979,201
2,980,251
2,980,252

121: 2,981,412
2,985,301
2,993,597
2,994,430
2,997,175
3,000,500
3,002,619
3,002,620
3,004,666
3,006,469
3,009,572
3,010,578
122: 2,998,136
2,999,592
125: 2,984,353
3,004,667
3,008,580
127: 3,012,668
129: 3,013,662
130: 3,009,573
132: 3,006,470
133: 2,986,277
134: 2,995,244
135: 2,978,103
2,993,598
3,009,574
136: 2,973,862
2,973,863
3,005,551
143: 2,968,400
144: Re.25,099
2,968,401
2,969,877
2,973,094
2,986,278
2,988,220
2,990,063
2,991,883
2,999,593
3,013,663
156: 2,990,064
3,011,636
158: 2,967,617
162: 2,999,594
164: 2,983,377
3,012,669
166: 2,970,692
2,973,864
2,975,895
2,980,253
2,987,183
2,990,958
3,006,471
3,009,575
3,013,664
167: 2,984,354
3,014,585
168: 3,012,670
169: 2,973,095
3,000,501
170: 2,999,595
3,012,671
3,012,672
172.5: 2,984,355
2,992,732
2,998,882
3,007,573
3,011,637
209: 2,971,647
211: 2,967,618
2,975,896
2,976,994
2,981,413
2,982,409
2,996,187
3,010,579
3,011,638
214: 2,975,897
3,006,472
215: 3,014,586
219: 2,968,402
2,992,733
223: 2,976,995
2,979,202
2,987,184
2,992,734
2,992,735
2,992,736
2,992,737
2,992,738
235: 2,985,302
238: 2,975,898
2,989,182
244: 2,992,739
245: 2,982,410
247: 2,974,795
250: 3,002,621
3,002,622
251: 3,007,574
254: 2,989,183
2,995,245
262: 2,998,137
265: 2,970,693
268: 3,007,575
3,009,576

270: 2,983,378
273: 2,975,899
2,983,379
274: 3,011,639
283: 3,011,640
284: 2,974,796
288: 3,002,623
296: 3,007,576
307: 2,974,797
315: 2,973,865
3,012,673
316: 2,992,740
319: 2,984,356
320: 2,983,380
326: 3,014,587
339: 2,980,254
355: 2,976,996
357: 2,967,619
362: 2,995,246
365: 2,974,798
2,978,104
367: 2,970,694
2,994,431
395: 2,967,620
400: 2,983,381
401: 2,984,357
3,012,674
403: 2,975,900
405: 2,985,303
408: 2,985,304
415: 3,003,635
427: 2,980,255
430: 2,969,878
434: 2,974,799
3,014,588
437: 2,969,147
2,989,184
452: 2,981,414
454: 2,976,997
455: 2,979,203
458: 2,983,382
3,000,502
464: 3,000,503
467: 2,999,596
475: 3,007,577
482: 2,995,247
483: 2,984,358

Class 210

12: 2,975,122
17: 2,992,986
19: 2,984,622
21: 2,967,825
22: 2,985,587
23: 2,981,680
2,984,623
2,985,588
2,987,472
24: 2,981,681
2,988,503
29: 3,009,872
31: 2,980,607
33: 2,973,319
2,986,515
3,002,922
34: 2,985,589
37: 2,974,101
43: 2,975,123
44: 2,982,723
2,983,677
48: 2,969,809
52: 2,980,608
53: 2,988,504
3,009,873
54: 2,975,124
2,980,609
2,995,512
2,995,513
3,001,933
57: 2,987,473
58: 2,968,616
2,980,610
2,996,449
59: 2,974,102
62: 2,981,682
64: 2,999,810
65: 2,973,096
2,979,204
2,989,185
67: 2,995,248
2,997,176
69: 3,006,473
70: 2,969,879
72: 2,968,403
2,970,695
73: 2,986,279
2,991,884
3,005,552
75: 2,971,648
2,993,599
78: 2,976,998
83: 2,982,411
2,985,305
3,005,553

84: 3,006,474
86: 3,012,675
90: 2,998,138
91: 2,972,411
94: 2,984,359
3,000,504
3,012,676
96: 3,005,554
97: 2,983,383
2,987,185
2,998,139
3,003,636
3,011,641
101: 2,994,432
101: 2,984,360
2,988,221
3,010,580
107: 3,012,677
108: 2,969,148
2,982,412
112: 3,006,475
114: 2,973,800
2,996,188
123: 2,972,412
3,014,589
128: 3,011,642
130: 2,985,306
2,995,249
2,995,250
3,003,637
131: 2,982,413
132: 2,975,901
2,983,384
3,000,505
133: 2,991,885
3,000,506
137: 2,972,413
138: 2,967,621
2,970,696
3,014,590
139: 3,003,638
140: 2,997,177
144: 2,974,801
2,975,902
3,014,591
149: 2,981,415
2,982,414
150: 2,989,186
151: 3,010,581
152: 3,005,555
155: 2,996,189
159: 2,978,105
163: 2,970,697
2,994,433
164: 2,993,600
167: 2,979,205
3,002,624
168: 3,014,592
169: 2,979,206
2,980,256
2,985,307
2,985,308
3,006,476
3,011,643
172: 2,995,251
173: 2,978,106
3,002,625
176: 2,991,886
3,003,639
189: 3,003,640
3,003,641
193: 2,979,207
195: 2,969,149
3,006,477
197: 2,987,186
3,007,578
198: 2,986,280
222: 2,983,385
223: 2,976,999
2,980,257
2,993,601
227: 2,989,187
228: 3,002,626
231: 2,998,140
232: 2,979,208
2,982,415
2,995,252
235: 2,978,107
236: 2,975,903
237: 3,011,644
241: 3,013,665
244: 2,987,187
248: 2,987,188
266: 2,997,178
279: 2,973,097
289: 3,009,577
293: 3,004,668
321: 2,969,150
2,982,416
323: 2,995,253
328: 3,011,645
333: 2,981,416
2,999,597
334: 2,968,404

337: 2,995,254
346: 2,978,108
2,988,223
347: 2,970,698
3,003,642
3,004,669
350: 2,988,222
356: 3,006,478
361: 3,011,646
364: 2,987,189
2,987,190
366: 2,982,417
369: 2,971,649
370: 3,010,582
374: 3,011,647
375: 2,985,309
376: 2,991,887
383: 2,988,224
3,002,627
393: 2,969,880
396: 2,974,802
400: 2,997,179
401: 3,006,479
402: 3,000,507
404: 2,998,883
3,013,666
406: 3,010,583
413: 2,994,434
429: 3,001,670
435: 2,979,209
436: 2,996,190
2,997,180
439: 2,988,225
443: 2,966,990
445: 3,004,671
447: 2,971,650
448: 2,982,418
457: 2,970,699
474: 2,988,226
477: 3,000,508
484: 2,984,361
2,994,435
488: 2,999,598
3,005,556
489: 3,007,579
491: 3,003,643
493: 2,988,227
3,006,480
3,013,667
496: 2,968,405
3,009,578
497: 2,987,191
502: 2,967,149
504: 2,971,907
512: 2,995,255
519: 2,973,866
525: 3,004,672

Class 211

1.5: 2,980,258
2,983,386
1.6: 2,971,651
2,997,181
3,002,628
2: 2,998,884
4: 2,987,192
3,014,593
10: 2,974,803
11: 3,000,509
3,008,581
3,008,582
13: 2,972,414
2,978,109
2,988,228
2,988,229
2,992,741
3,000,510
14: 3,011,648
26: 3,000,511
30: 2,990,959
2,994,436
2,994,437
34: 2,969,151
2,977,000
2,989,188
3,001,650
35: 2,990,960
3,002,629
37: 2,973,867
40: 2,983,387
3,013,668
41: 2,967,622
2,971,652
2,986,281
2,989,189
2,998,141
3,014,594
42: 2,972,415
44: 2,996,191
45: 2,967,623
46: 2,975,944
48: 2,988,230
2,990,961

49: 2,969,152
2,969,153
2,980,259
2,982,419
2,989,190
2,992,742
2,996,192
3,007,580
3,008,583
3,008,584
3,013,669
50: 2,972,416
2,975,905
2,988,231
51: 2,973,868
60: 2,966,991
2,968,406
2,974,804
2,995,256
3,004,673
3,014,595
61: 2,968,407
64: 2,998,885
3,007,581
65: 3,002,630
69: 2,978,110
71: 2,969,154
2,972,417
2,972,418
2,994,438
3,009,579
72: 2,971,653
73: 2,971,654
74: 2,970,700
2,975,906
2,979,210
2,982,420
2,985,310
3,003,644
78: 2,970,701
2,981,417
2,983,388
86: 2,972,419
2,981,418
2,984,311
2,997,182
3,003,645
3,011,649
87: 2,966,992
2,968,408
2,990,065
3,007,582
88: 2,979,211
89: 2,973,099
2,987,193
90: 2,973,869
2,978,111
2,986,282
2,992,743
2,996,193
2,999,599
3,008,585
93: 2,988,232
95: 2,972,420
96: 2,975,907
2,985,312
100: 2,967,624
103: 3,005,557
105.1: 3,009,580
105.3: 2,969,881
105.5: 2,974,805
106: 2,990,066
107: 3,003,646
108: 3,000,512
113: 2,977,001
2,989,191
2,998,142
117: 3,006,481
3,011,650
119: 3,000,513
119.07: 2,989,192
121: 3,010,584
123: 2,973,870
2,974,806
2,993,602
3,005,558
124: 2,980,260
126: Re.24,984
2,971,655
2,973,100
2,974,807
2,974,808
2,982,421
2,987,194
2,998,886
3,003,647
131: 2,980,261
134: 2,968,409
2,973,871
2,982,422
2,983,389
2,986,283
2,986,284
3,007,583

135: 2,984,362
2,985,313
2,993,603
136: 2,975,908
2,978,112
2,982,423
3,010,585
3,012,678
141: 2,971,656
143: 2,994,439
144: 3,000,514
3,003,648
146: 2,978,113
147: 2,971,657
2,971,658
2,990,067
2,990,068
2,991,888
2,995,257
3,009,581
148: 2,969,882
2,970,702
2,980,262
2,982,424
2,988,233
2,992,744
3,013,670
3,014,596
149: 2,978,114
150: 2,975,909
3,008,586
3,012,679
153: 3,000,515
3,002,631
163: 2,994,440
168: 2,985,314
169: 2,993,604
175: 2,987,195
3,014,597
177: 2,969,155
2,985,315
2,991,889
2,994,441
3,009,582
178: 2,985,316
2,992,745
179: 2,996,194
182: 2,984,363
183: 2,967,625
2,989,193
184: 2,972,421
2,973,101
3,002,632

Class 212

1: 2,989,194
2: 2,982,425
4: 2,972,422
7: 3,011,651
8: 2,980,263
2,991,890
2,996,195
3,005,559
18: 2,983,390
21: 3,009,583
34: 2,974,809
35: 2,996,196
2,998,143
42.5: 3,004,674
49: 2,978,115
2,985,317
2,991,891
55: 2,993,605
2,999,600
59: 2,999,601
67: 3,011,652
68: 2,978,116
69: 3,003,649
81: 3,006,482
91: 3,011,653
129: 2,983,391
3,008,587
132: 2,980,264
134: 2,986,285
144: 2,975,910
145: 2,985,318

Class 213

1: 3,011,654
3,011,655
8: 2,973,102
3,006,483
19: 3,011,656
30: 2,986,286
2,986,287
36: 3,008,588
43: 2,994,442
3,009,584
45: 2,985,319
46: 2,970,703
57: 2,995,258
61: 2,998,144
3,002,633

62: 2,990,962
2,990,963
64: 2,973,103
69: 2,973,104
71: 2,973,105
73: 2,974,810
75: 2,967,626
2,987,196
97: 2,999,602
112: 2,973,872
2,997,183
162: 2,997,184
166: 2,973,873
168: 3,010,586
171: 2,986,288
212: 2,990,964
2,998,145
220: 3,006,484
221: 2,982,426
2,982,427

Class 214

1: Re.24,976
Re.25,045
2,966,993
2,967,627
2,967,628
2,968,410
2,973,106
2,973,107
2,974,811
2,978,117
2,978,118
2,979,212
2,980,265
2,980,266
2,980,267
2,981,419
2,984,364
2,985,320
2,986,289
2,987,197
2,988,234
2,991,892
2,992,746
2,993,606
2,994,443
2,996,197
2,996,198
2,997,185
2,997,186
2,998,146
2,998,887
2,998,888
2,999,603
2,999,604
3,000,516
3,000,517
3,001,651
3,004,675
3,007,584
3,008,589
3,010,587
3,011,657
3,014,598
1.4: 2,977,670
1.5: 2,979,804
2: 2,967,629
2,988,235
2.5: 2,966,994
2,999,605
5.5: 3,009,585
6: 2,967,630
2,971,659
2,974,812
2,977,002
2,981,420
2,984,365
2,985,321
2,985,322
2,985,323
3,988,236
2,989,195
2,990,069
2,997,187
2,998,147
3,005,560
3,007,585
3,013,671
3,014,599
3,014,600
7: 3,013,672
8: 2,973,108
2,973,109
3,014,601
8.5: 2,970,704
2,975,911
2,994,444
3,010,588
10: 3,011,658
10.5: 2,978,119
2,987,198

Class 214—Con.

10.5: 2,960,070
2,991,089
2,992,747
3,007,586
11: 2,971,660
2,977,003
2,981,421
2,984,366
2,988,237
2,990,905
2,991,893
2,998,889
3,000,518
3,000,519
3,012,680
13: 2,967,631
14: 2,970,705
2,995,259
2,998,148
15: 2,984,367
2,997,188
3,002,634
3,009,586
3,009,587
16: 2,969,883
2,978,120
2,983,392
2,987,199
2,987,200
3,002,635
16.1: Re.24,993
2,991,415
2,996,199
3,008,590
3,011,659
3,011,660
3,011,662
16.1: 2,972,423
2,983,393
3,000,520
3,011,661
17: 2,969,156
2,973,110
2,975,912
2,977,004
2,977,005
2,978,121
2,985,324
2,988,238
2,995,260
3,001,652
3,009,588
3,011,662
3,013,673
3,013,674
18: 2,979,213
2,981,422
2,981,423
2,996,200
3,004,676
18.2: 3,014,603
26: 2,969,881
3,007,587
35: 3,003,650
36: 2,997,189
38: 2,983,394
2,984,368
2,985,325
3,002,636
3,007,588
3,011,663
3,012,681
3,014,604
41: 3,013,675
42: 3,002,637
3,014,605
44: 3,008,591
64: 2,981,369
75: 2,969,157
2,978,122
2,980,268
2,980,269
2,989,196
2,989,197
2,993,607
2,996,201
2,998,149
3,006,485
3,006,486
3,011,664
77: 2,979,214
2,981,424
2,981,425
3,013,676
78: 2,979,215
2,992,748
80: 2,971,661
82: 2,973,111
2,984,370
2,996,202
2,996,203
2,999,606
82: 3,007,589
3,012,682
83.1: 2,973,112
83.14: 2,975,914
83.2: 3,000,521
83.24: 3,006,487
83.28: 2,975,915
83.3: 2,975,913
83.32: Re.24,920
83.36: 2,986,290
2,997,190
3,001,653
3,008,592
84: 2,975,916
3,009,589
3,011,665
87: 2,980,270
2,984,371
85.1: 3,013,677
85.5: 2,982,428
89: 2,970,706
2,987,201
2,990,071
2,997,191
3,010,589
3,013,678
3,013,679
91: 3,006,488
95: 2,975,917
103: 2,978,123
130: 2,983,395
3,012,683
131: 2,972,424
2,986,291
132: 2,973,874
3,002,638
135: 2,985,326
138: 2,972,425
2,984,372
2,989,198
2,994,416
2,995,261
3,003,651
140: 2,970,707
2,978,124
2,980,271
2,982,429
2,986,292
2,986,293
2,986,294
2,989,799
2,990,072
2,993,608
3,001,654
3,003,652
3,004,677
3,007,590
3,009,590
141: 2,984,373
145: 3,014,606
147: 2,967,632
2,975,918
2,979,216
3,000,522
3,003,653
3,006,489
3,010,590
152: 2,970,708
2,975,919
2,992,749
2,993,609
3,007,591
301: 2,970,709
2,977,006
2,990,073
302: 2,984,374
3,001,655
3,008,593
3,011,666
3,012,684
303: 3,005,561
304: 2,999,607
3,008,594
3,011,667
305: 2,984,375
307: 2,980,272
3,013,680
308: 2,977,007
309: 2,966,995
2,967,633
2,975,920
2,975,921
3,001,656
312: 2,978,125
2,988,239
313: 2,971,662
315: 2,968,411
2,977,008
2,987,202
317: 2,978,126
2,989,200
3,006,490
3,006,491
3,009,591
331: 2,967,634
334: 2,973,875
335: 2,978,127
370: 3,003,654
3,011,668
379: 2,977,009
382: 2,481,426
383: 3,008,595
390: 3,010,591
3,010,592
392: 2,982,430
394: Re.25,047
2,975,922
2,998,150
450: 2,967,635
2,982,431
2,985,327
3,004,678
3,011,669
3,013,681
451: 2,981,427
454: 2,991,894
3,012,685
500: 2,969,885
2,977,010
501: 2,981,428
3,013,682
505: 2,968,412
2,968,413
2,972,426
2,977,011
2,977,012
2,980,273
2,983,396
2,990,966
2,998,890
3,000,523
3,011,670
506: 2,978,128
2,987,203
2,992,750
3,003,655
3,013,683
510: 3,006,492
511: 2,998,151
512: 2,995,262
3,000,524
514: 2,993,610
2,995,204
515: 2,990,967
2,997,192
518: Re.24,959
519: 2,970,710
3,010,593
522: 2,991,895
2,998,152
620: 2,990,074
3,007,592
3,013,684
621: 2,998,891
652: 2,972,427
2,989,201
653: 2,978,129
2,987,204
2,996,205
3,008,596
3,009,592
3,010,594
654: 2,973,876
2,981,429
2,997,193
2,999,608
3,008,597
655: 2,983,397
2,998,892
3,002,639
656: 2,973,877
2,978,130
658: 2,984,376
670: 2,989,202
2,996,206
2,997,194
674: Re.24,958
3,007,593
701: 2,979,217
3,005,562
3,010,595
704: 3,013,685
711: 2,966,996
730: 2,973,878
2,975,923
2,986,295
2,987,205
2,992,751
731: 2,975,924
2,985,328
2,995,263
741: 2,969,886
2,995,264

Class 215

1: 2,978,131
2,994,448
3,004,679
3,007,594
7: 2,987,206
9: 2,974,813
2,980,274
2,987,207
2,990,075
2,991,447
11: 2,968,414
2,977,013
2,982,432
2,984,377
2,986,296
2,987,208
2,987,209
2,996,207
12: 2,977,014
2,991,896
3,002,640
13: 2,969,887
2,974,814
2,978,132
2,978,133
2,981,430
2,989,203
3,000,525
3,012,686
21: 2,991,897
31: 2,990,076
3,013,686
3,014,607
37: 2,969,158
2,998,893
38: 2,974,815
3,000,526
3,009,593
3,013,687
39: 2,993,611
40: 2,968,415
2,971,663
2,974,816
2,979,218
2,982,433
2,989,204
3,002,641
3,005,563
3,011,671
3,012,687
41: 2,969,160
2,985,329
2,990,077
2,993,612
3,005,564
42: 2,990,078
3,001,657
43: 2,980,275
2,981,431
3,002,612
44: 3,006,493
46: 2,970,711
2,994,449
47: 2,978,134
3,001,658
3,006,494
48: 3,001,659
3,009,594
52: 2,986,297
53: 3,004,680
56: 2,980,276
2,990,079
3,010,596
65: 2,979,219
74: 3,004,681
76: 2,971,664
2,977,015
99.5: 2,996,208
100: 2,975,925
2,979,220
2,980,277
2,982,434
2,985,330
2,990,080
2,995,265
2,997,195
3,000,527
100.5: 2,989,205
2,990,968
3,013,688
3,013,689

Class 216

2: 2,981,432
13: 2,980,278
3,001,660
21: 2,990,081
25: 2,972,428
28: 2,996,209
29: 2,986,298
2,999,609
30: 2,985,331
33: 2,969,888
37: 2,977,016
53: 2,998,153
54: 2,967,636
2,983,398
55: 2,984,378
2,993,613
62: 2,977,017

Class 217

3: 2,971,665
2,991,898
12: 2,972,429
2,998,894
3,006,496
26.5: 2,997,196
3,000,528
27: Re.25,094
3,001,661
29: 2,994,450
30: 3,011,672
31: 2,974,817
3,009,595
35: 2,998,895
36: 3,012,688
3,014,608
42: 2,975,926
44: 2,982,435
2,987,210
2,992,752
47: 3,009,596
53: 3,003,656
57: 2,970,712
60: 2,994,451
2,996,210
65: 2,981,433
66: 2,998,154
95: 2,968,416
106: 2,969,161
125: 2,998,155

Class 218

.5: 3,010,597
15: 3,000,529
17.2: 3,002,643
25: 2,996,211
29: 3,009,597
3,014,609
34: 3,005,566
35: 2,999,610
39: 3,009,598
3,014,610
42: 3,003,657
43: 2,995,266
3,008,598
47: 3,002,644

Class 219

7.5: 2,974,213
2,999,921
8.5: 2,983,805
2,991,345
9.5: 2,975,259
2,987,597
3,005,079
3,005,893
3,007,022
10.41: 2,988,623
3,008,025
10.47: 2,997,566
10.51: 2,978,562
10.53: 3,015,012
10.55: 2,993,973
10.61: 2,968,711
3,008,026
10.65: 2,998,501
10.69: 2,995,641
2,995,642
3,005,894
10.77: 2,992,311
10.79: 2,997,567
3,008,027
19: 2,967,223
2,967,923
2,969,448
2,971,073
2,972,034
2,972,668
2,972,669
2,972,670
2,973,420
2,973,421
2,976,386
2,976,387
2,977,450
2,978,563
2,978,564
2,979,594
2,979,595
2,981,818
2,984,727
2,987,598
2,987,599
2,987,600
2,987,601
2,988,624
19: 2,991,346
2,992,312
2,992,313
2,992,314
2,994,757
2,995,643
2,996,594
2,997,568
3,001,054
3,002,075
3,002,076
3,004,129
3,005,895
3,007,023
3,008,028
3,009,044
3,009,045
3,011,042
3,012,124
3,012,125
3,013,140
3,015,013
3,015,014
20: 2,967,924
2,969,449
2,970,201
2,971,074
2,975,260
2,975,261
2,977,451
2,977,452
2,977,453
2,979,596
2,979,597
2,984,728
2,984,729
2,987,602
2,993,106
2,993,974
2,993,975
2,993,976
2,994,758
2,994,759
2,996,595
2,998,502
2,999,144
3,003,048
3,004,130
3,005,080
3,005,896
3,005,897
3,007,024
3,009,046
3,009,047
3,012,126
3,015,015
21: 2,972,035
3,005,898
3,007,025
3,010,005
25: 2,976,388
3,007,026
26: 2,973,422
2,982,838
2,998,503
3,002,077
27: 3,003,049
29: Re.25,016
2,972,671
2,978,565
2,996,596
32: 2,967,224
2,975,262
2,978,566
2,982,839
2,993,977
3,007,027
3,012,127
34: 2,967,225
2,971,075
2,976,389
2,980,785
2,987,603
2,993,978
2,995,644
2,995,645
2,996,597
3,001,055
3,002,078
3,005,081
3,008,029
3,008,030
3,012,128
3,014,114
35: 2,969,450
2,976,390
2,976,391
2,981,819
2,981,820
2,982,840
2,984,730
2,994,760
2,999,145
3,005,082
37: 2,972,036
2,973,423
2,978,567
2,988,625
2,992,315
2,996,598
3,002,079
3,004,131
3,004,132
38: 2,969,451
2,977,454
2,987,604
2,993,107
2,995,646
39: 2,970,202
2,971,076
2,973,424
2,976,392
2,977,455
2,978,568
2,980,786
2,982,841
2,986,622
2,987,605
2,988,626
2,993,108
2,997,569
2,998,504
3,001,056
3,012,129
40: 2,986,623
3,005,083
3,008,031
3,014,115
41: 2,972,037
2,977,456
42: 3,014,116
43: 2,974,214
2,992,316
2,994,761
3,002,080
44: 2,969,452
2,971,077
2,972,038
2,981,821
2,987,606
2,987,607
2,996,599
3,007,028
3,007,029
3,010,006
45: 3,005,084
46: 2,973,425
2,976,393
2,985,742
2,989,613
2,992,317
2,993,979
3,010,007
3,013,141
3,014,117
3,015,016
50: 2,989,614
2,993,980
3,004,133
3,005,085
3,011,043
57: 2,967,925
58: 2,989,615
59: 2,970,203
2,976,394
2,992,318
3,004,134
3,014,118
60: 2,979,598
2,987,608
3,005,899
3,009,048
3,009,049
3,010,008
61: 2,996,600
62: 3,004,135
63: 2,972,039
2,993,109
65: 3,015,017
67: 2,992,319
3,004,136
3,015,018
68: Re.25,105
2,974,215
3,015,019
69: 2,967,226
2,971,078
2,974,216
2,978,569
2,980,787
2,981,822
2,982,842
2,984,731
2,987,609
2,989,616
2,989,617
2,996,601
2,996,602
3,009,050

73: 2,972,041
74: 2,977,457
2,982,843
2,988,627
75: Re.25,088
2,967,926
2,973,426
2,983,806
2,986,624
2,990,466
2,992,320
3,003,050
3,004,137
76: 2,982,844
2,982,845
2,994,762
2,998,505
3,002,081
3,010,009
3,010,010
78: 2,980,788
2,984,732
2,984,733
2,985,743
3,003,051
79: 2,993,981
3,005,900
3,015,020
82: 2,968,712
3,011,044
83: 2,975,263
84: 3,013,142
85: 2,978,570
2,991,347
3,005,086
3,014,119
86: 2,969,453
3,011,045
87: 2,979,599
89: 2,975,264
2,996,603
2,998,506
3,008,032
3,008,033
3,008,034
92: 2,970,204
93: 2,968,713
2,999,146
3,004,138
95: 2,986,625
97: 2,975,265
3,002,082
3,015,021
99: 2,985,744
2,993,110
2,993,982
3,004,139
101: 2,972,672
2,974,217
3,003,052
3,008,035
103: 3,014,120
107: 2,988,628
2,997,570
3,010,011
3,011,046
108: 2,967,227
2,970,205
2,976,395
2,988,629
110: 2,996,604
114: 2,980,789
2,991,348
117: 2,968,714
2,968,715
2,981,823
2,982,846
2,985,745
2,987,610
2,987,611
2,990,467
118: 2,977,458
2,993,111
2,993,112
119: 2,967,228
2,967,229
120: 2,980,790
121: 2,967,927
3,002,083
3,007,030
123: 2,994,763
124: 2,993,983
125: 2,970,206
2,971,079
2,973,427
2,974,218
2,981,824
2,983,807
2,985,746
3,005,901
3,007,031
126: 2,969,454
2,972,042
126: 2,997,571
127: 2,979,600
2,984,734
3,001,057
3,001,058
3,002,084
3,005,902
3,015,022
130: 2,983,808
2,995,647
2,998,507
3,002,085
3,007,032
3,013,143
131: 2,970,207
2,993,984
3,005,903
3,008,036
3,010,012
3,013,144
136: 2,981,825
137: 2,973,428
2,975,266
2,985,747
3,001,059
3,007,033
3,012,130
138: 2,975,267
2,976,396
2,990,468
139: 3,012,131
141: 2,977,459
142: 2,997,572
143: 2,999,147
146: 2,988,630
149: 2,989,618
151: 2,969,455
2,983,809
153: 2,995,648
155: 2,976,397
2,993,113
2,993,114
156: 2,972,043
159: 3,014,121
161: 3,008,037

Class 220

1: 2,975,927
2,996,212
2,997,197
3,000,530
3,008,599
3,009,599
1.5: 2,972,430
2,998,156
3,001,662
3,004,682
2.1: 2,966,997
2,969,162
3,002,645
3,011,673
2.3: 2,969,163
2,975,928
3: 2,984,379
2,988,240
3.4: 2,983,399
2,987,211
3,001,663
3.6: 2,970,713
2,971,666
2,978,135
2,990,969
3.7: 2,989,206
3,013,690
3.8: 2,966,998
2,986,299
4: 2,975,929
2,986,300
2,989,207
2,991,899
2,993,614
2,997,198
2,998,896
2,999,611
3,001,664
3,001,665
3,007,595
3,010,598
5: 3,000,531
3,012,689
6: 2,969,889
2,985,332
2,998,157
7: 2,983,400
8: 2,990,970
9: 2,969,164
2,978,136
2,980,279
2,988,241
2,992,753
2,994,452
2,995,267
9: 2,996,313
3,002,646
3,005,567
3,007,596
3,009,600
3,009,601
3,010,599
3,014,611
10: 2,971,667
2,983,401
11: 3,007,597
13: 2,977,018
15: 2,979,221
2,981,434
2,986,301
2,991,900
2,995,268
3,004,683
3,007,598
3,011,674
17: 2,980,280
2,987,212
18: 2,978,137
2,980,281
2,987,213
2,992,754
3,006,497
3,007,599
19: 2,968,417
2,968,418
2,970,714
2,971,668
2,974,818
2,980,282
2,993,615
3,014,612
20: 2,974,819
20.5: 2,973,879
21: 2,970,715
2,979,222
3,005,568
22: 2,974,820
2,985,333
3,011,675
23: 2,971,669
2,981,435
23.4: 2,974,821
2,975,930
3,000,532
23.83: 3,008,600
23.86: 2,997,199
24: 2,968,419
2,975,931
2,982,436
2,998,897
3,002,647
24.2: 2,980,283
24.3: 2,985,334
2,987,214
2,988,242
24.5: 2,967,637
2,978,138
2,993,616
2,996,214
3,000,533
25: 2,966,999
26: 2,968,420
2,970,716
2,973,113
2,974,822
2,981,436
2,981,437
2,981,438
2,986,302
2,987,215
2,991,901
2,997,200
3,014,613
27: 2,989,208
29: 2,994,453
31: 2,984,380
2,990,082
2,998,898
32: 2,978,139
35: 2,967,638
2,969,165
36: 3,006,498
38: 2,971,670
2,979,223
39: 2,972,431
2,973,880
2,987,216
2,991,902
3,005,569
40: 2,968,421
2,990,971
2,992,755
3,006,499
42: 2,973,114
2,991,903
3,003,658
43: 3,004,684
3,010,600
44: 2,974,823
2,991,904
3,002,648
45: 2,991,905
46: 2,967,639
2,970,717
2,980,284
2,982,437
2,989,209
3,000,534
3,006,500
3,007,600
48: 2,969,166
3,001,666
51: 2,999,612
52: 2,973,115
2,978,140
2,982,438
3,007,601
3,012,690
53: 2,974,824
54: 2,967,000
2,989,210
2,998,158
3,005,570
55: 2,967,001
2,975,932
55.3: 2,967,640
2,970,718
55.7: 2,983,402
2,985,335
3,000,535
60: 2,972,432
2,973,881
2,974,825
2,977,019
2,984,381
2,984,382
2,995,269
3,005,571
3,007,602
62: 2,970,094
63: 2,983,403
2,991,906
2,993,617
64: 2,994,454
3,008,601
3,010,601
65: 3,012,691
66: 2,971,671
2,982,439
2,982,440
2,987,217
67: 2,979,224
2,995,270
3,007,603
3,009,602
69: 2,969,890
2,975,933
3,001,667
71: 2,982,441
72: 2,974,826
3,004,685
3,005,572
73: 2,969,891
75: 2,970,719
81: 2,971,672
2,973,116
2,994,455
2,994,456
3,011,676
82: 2,985,336
2,986,303
3,001,668
83: 3,010,602
3,014,614
84: 2,980,285
85: 2,967,002
2,970,720
2,979,225
2,981,439
2,983,404
2,991,907
2,998,159
3,000,536
3,003,659
3,006,501
3,008,602
3,013,691
3,014,615
86: 2,971,673
2,999,613
3,002,649
3,008,603
87: 3,008,604
88: 2,983,405
2,985,337
89: 2,977,020
2,980,286
2,987,218
3,005,573
90: 2,988,243
2,996,215
93: 2,980,287
94: 2,978,141
97: 2,978,142
2,990,083
2,994,457
2,995,271
2,997,201
3,002,650
3,009,603
3,013,692
3,014,616
102: 2,995,272
2,998,899
103: 2,971,674
2,990,972
105: 2,979,226
2,979,227
2,983,406
3,008,605
111: 2,967,641
112: 2,975,934
2,989,211
2,993,618
113: 2,974,827
2,984,383
2,991,908
2,993,619
2,996,216
2,998,900
3,010,603
3,010,604
3,011,677
114: 2,967,003
115: 2,977,021
117: 2,981,440

Class 221

1: 2,994,458
3,007,604
2: 2,990,973
7: 2,993,620
3,000,537
9: 2,979,228
2,985,338
2,997,202
10: 2,988,244
3,011,678
11: 2,995,273
12: 3,001,669
13: 2,999,614
2,999,615
14: 2,975,935
22: 2,979,229
23: 3,009,604
25: 2,989,212
31: 2,984,384
34: 3,002,651
37: 3,008,606
42: 2,988,245
47: 3,007,605
63: 3,011,679
3,012,692
67: 2,980,288
2,981,441
2,988,246
68: 2,977,022
69: 3,000,538
73: 3,006,502
75: 2,987,219
3,003,660
81: 3,010,605
88: 2,998,901
90: 2,996,217
92: 3,010,606
93: 2,984,385
3,010,607
94: 3,007,606
3,014,617
96: 3,002,652
102: 2,982,442
103: 2,990,974
109: 3,011,680
116: 3,001,670
122: 2,990,084
124: 2,971,675
3,002,653
125: 2,986,304
3,001,671
3,010,608
129: 3,000,539
147: 2,983,407
156: 2,987,220
159: 2,998,160
160: 2,972,433
162: 2,988,247
167: 2,990,085
3,008,607
173: 2,967,642
180: 2,997,203
186: 2,979,230
188: 2,996,218
192: Re.24,950
194: 2,968,422
203: 2,990,975
205: 2,977,023
210: 2,969,892
2,993,621
211: 2,986,305
2,991,909
2,995,274
3,013,693
213: 2,992,756
221: 2,974,828
2,993,622
223: 3,012,693
224: 2,999,616
225: 3,002,654
227: 2,970,721
228: 2,973,882
232: 2,971,676
236: 2,971,677
242: 3,013,694
251: 2,974,829
254: 3,010,609
259: 2,996,219
263: 2,996,220
265: 2,975,936
2,990,976
279: 2,980,289
290: 3,003,661
297: 2,997,204
298: 2,993,623
3,014,618
303: 3,007,607
305: 2,991,910
307: 3,006,503
310: 3,005,574

Class 222

1: 2,980,290
2,980,291
2,982,443
2,987,221
2,997,205
3,001,672
3,002,655
3,003,662
3,010,610
3,011,681
3,013,695
2: 2,977,024
3,003,663
3: 2,973,117
3,004,686
5: 3,012,694
3,014,619
14: 3,000,540
15: 3,006,504
20: 2,990,977
2,998,161
3,000,541
3,009,605
23: 2,969,893
26: 2,973,118
2,982,444
2,995,275
2,996,221
3,006,505
35: 3,008,608
36: 2,980,292
39: 2,980,293
41: 2,994,459
43: 3,002,656
44: 2,985,339
49: 2,968,423
3,006,506
54: 2,993,624
2,997,206
2,998,162
3,006,507
55: 2,982,445
2,993,625
56: 3,005,575
3,013,696
58: 2,984,386
2,984,387
59: 2,997,207
61: 2,992,757
62: 2,970,722
63: 2,978,143
66: 2,972,434
2,980,294
2,980,295
67: 2,991,911
2,996,222
3,003,664
70: 2,967,004
2,967,643
2,975,937
2,980,296
2,991,912
2,997,208
3,014,620
71: 2,984,388
2,997,209
75: 2,995,276
80: 3,000,542
81: 2,987,222
82: 3,004,687
83: 2,989,213
83.5: 2,979,231
89: 3,002,657
90: 2,975,938
93: 2,997,210
94: 2,973,883
3,002,658
3,003,665
95: 2,978,144
98: 3,006,508
100: 2,998,163
105: 3,007,608
3,011,682
107: 2,970,723
3,001,673
108: 2,977,025
3,010,611
113: 2,969,894
129: 3,012,695
129.1: 2,979,232
2,986,306
129.2: 3,007,609
129.4: 2,977,026
130: 3,008,609
131: 2,971,678
2,973,119
3,007,610
133: 3,006,509
134: 2,973,120
135: 2,973,121
2,974,830
2,979,233
3,013,697
136: 2,967,005
137: 3,007,611
139: 2,995,277
142: 2,971,679
2,975,939
142.3: 2,990,086
142.9: 2,997,211
144: 2,967,644
145: 2,982,446
2,994,460
2,997,212
146: 2,978,145
2,979,234
2,982,447
2,998,164
3,005,576
149: 3,002,659
153: 2,969,895
2,982,448
2,991,913
2,994,461
156: 2,977,027
158: 2,980,297
3,013,698
161: 2,968,424
165: 2,978,146
166: 2,981,442
3,012,696
171: 2,974,831
2,991,914
173: 2,974,832
3,008,610
174: 3,013,699
176: 2,997,213
177: 2,973,884
2,975,940
180: 2,989,214
181: 3,012,697
182: 2,980,298
2,980,299
2,998,165
3,006,510
3,013,700
183: 2,981,443
3,014,621
185: 2,973,122
2,978,147
2,979,235
3,003,666
3,014,622
187: 2,986,307
189: 2,985,340
2,998,166
3,010,612
3,014,623
190: 2,974,833
3,009,606
3,010,613
193: 2,981,444
2,992,758
195: 2,968,425
3,009,607
197: 2,978,148
199: 3,003,667
204: 3,010,614

Class 222—Con.

207: 2,979,236
2,987,223
2,989,215
2,989,216
3,008,611
212: 3,012,698
214: 2,993,626
3,011,684
227: 3,010,615
3,013,701
235: 2,988,248
2,990,978
236: 2,984,389
249: 3,011,685
250: 2,975,941
3,006,511
255: 2,984,390
2,997,214
259: 2,981,445
261: 2,997,215
267: 2,985,341
284: 2,983,408
2,993,627
3,007,612
309: 2,972,435
2,984,391
3,010,616
313: 2,968,426
318: 2,978,149
320: 2,991,915
2,998,167
323: 3,004,688
325: 2,967,645
327: 2,996,223
333: 2,978,150
2,986,308
3,000,543
3,006,512
3,014,624
339: 2,992,759
341: 3,012,699
352: 2,982,449
356: 2,974,834
361: 2,980,300
364: 3,009,608
365: 2,987,224
380: 2,975,942
381: 3,013,702
383: 3,010,617
386.5: Re.24,918
2,978,151
2,984,392
2,991,916
394: 2,968,427
2,968,428
2,973,123
2,975,943
2,975,944
2,978,152
2,980,301
2,981,446
2,985,342
2,989,217
2,991,917
2,991,918
2,992,760
2,995,278
2,998,168
3,007,613
396: 2,972,436
2,975,945
3,006,515
397: 3,005,577,
3,011,686
399: 2,973,885
2,983,409
404: 2,988,249
409: 3,013,703
413: 2,979,237
416: 2,987,225
422: 3,011,683
442: 2,977,028
2,985,343
448: 3,012,700
449: 3,012,701
450: 3,005,578
3,010,618
453: 2,980,302
455: Re.25,008
2,996,224
456: 3,009,609
464: 2,987,226
475: 2,998,169
479: 2,992,761
3,000,544
480: 2,975,946
2,986,309
481.5: 2,986,310
482: 2,990,979
484: 2,970,724
2,979,238
2,981,447
484: 2,992,762
2,992,763
3,009,610
490: 2,997,216
3,002,660
3,007,614
499: 2,998,902
501: 2,984,393
502: 2,987,227
504: 2,999,617
507: 2,974,835
2,980,303
512: 2,969,167
2,971,680
513: 2,973,124
2,987,228
520: 2,969,896
2,998,170
521: 3,010,619
525: 2,969,168
530: 2,979,239
2,993,628
532: 2,983,410
536: 2,990,980
539: 2,967,646
2,974,836
2,981,448
540: 2,982,450
541: 2,981,449
3,001,674
3,003,668
542: 2,993,629
3,006,513
543: 3,008,612
545: 2,996,225
546: 2,975,917
548: 2,971,681
2,977,029
553: 3,006,514
556: 2,973,886
561: 2,988,250
564: 2,981,450
2,990,981
3,010,620
566: 2,980,304
2,982,451

Class 223

2: 2,995,279
7: 2,971,682
3,004,689
30: 2,979,240
31: 3,010,621
37: 2,968,429
2,988,251
3,013,704
43: 2,990,982
2,999,618
46: 2,982,452
48: 3,004,690
52.1: 2,972,437
2,983,411
57: 2,986,311
3,013,705
67: 2,969,897
2,985,344
2,990,983
2,998,171
68: 2,967,006
2,985,345
2,998,903
69: 2,990,984
3,008,613
70: 2,986,312
3,006,516
71: 2,967,647
2,974,837
2,975,948
74: 2,999,619
76: Re.25,019
2,974,838
2,990,087
2,990,088
78: 3,010,622
3,010,623
3,010,624
83: 3,007,615
85: 2,985,346
2,994,462
88: 2,970,725
2,973,887
2,977,030
2,981,451
2,990,985
2,991,919
2,998,172
3,001,675
3,002,661
3,008,614
89: 3,005,579
3,007,616
90: 3,001,676
3,010,625
91: 2,975,949
2,984,394
2,998,173
3,003,669
3,006,517
92: 2,997,217
93: 3,008,615
94: 2,979,241
95: 2,977,031
2,977,032
2,990,986
2,998,904
3,001,677
3,002,662
96: 2,970,726
2,996,226
3,010,626
3,013,706
98: 2,967,648
99: 3,000,545
3,004,691
3,006,518
106: 3,009,611
112: 2,982,453
113: 3,012,702
120: 3,008,616

Class 224

1: 2,969,898
2,980,305
2,985,347
2,999,620
2: 2,970,727
2,987,229
2,990,987
3,003,670
3,008,617
3,011,687
4: 2,986,313
2,990,988
5: 2,967,649
2,969,899
2,973,125
2,982,454
2,982,455
2,985,348
2,985,349
2,986,314
2,987,230
2,990,089
2,996,227
2,996,228
2,999,621
3,009,612
7: 2,972,438
9: 2,973,888
15: 3,001,678
3,004,692
20: 2,995,280
25: 2,987,231
2,995,281
3,002,663
3,009,613
26: 2,983,412
2,995,282
28: 3,009,614
3,010,627
29: 2,969,900
3,007,617
3,010,628
42.01: 3,009,615
42.1: 2,983,413
2,983,414
2,985,350
2,988,252
2,988,253
3,001,679
3,002,664
3,006,519
42.12: 2,970,728
42.13: 2,995,283
42.32: 2,986,315
42.41: 2,985,351
42.42: 2,978,153
3,002,665
42.45: 3,002,666
3,007,618
45: 2,967,650
2,973,889
2,979,242
2,983,415
2,999,622
48: 2,994,463
2,998,174
3,008,618
55: 2,970,729
2,978,154
2,997,218

Class 225

2: 2,970,730
2,982,456
6: 2,977,033
11: 3,010,629
12: 2,974,839
19: 3,007,619
25: 2,978,155
26: 2,975,950
2,987,232
39: 3,005,580
42: 2,978,156
2,984,395
43: 2,969,169
2,973,890
47: 2,977,034
2,984,396
3,011,688
48: 3,002,667
49: 2,984,397
52: 3,002,668
63: 2,973,136
66: 3,008,619
77: 2,990,090
3,003,671
3,004,693
80: 2,967,651
3,014,625
89: 2,973,891
93: 2,970,731
3,007,620
3,009,616
94: 3,005,581
97: 2,978,157
2,979,243
2,988,254
100: 3,010,630

Class 226

1: 2,981,452
8: 2,995,284
14: 3,008,620
15: 3,001,680
23: 2,981,453
31: 2,977,035
32: 2,968,430
35: 2,990,989
3,005,582
43: 2,998,175
2,999,623
46: 2,978,158
49: 2,974,840
50: 2,970,732
2,996,229
2,999,624
51: 2,985,352
2,999,625
53: 3,008,621
57: 2,986,316
61: 2,986,317
62: 3,014,626
71: 3,002,669
74: 3,014,627
75: 3,006,520
78: 2,978,159
86: 2,980,306
89: 2,977,036
91: 2,983,416
93: 2,967,007
95: 2,984,398
2,987,233
97: 2,971,683
2,990,990
104: 2,988,255
2,996,230
108: 2,967,008
2,996,231
3,013,707
112: 2,990,091
118: 2,979,244
2,991,920
124: 2,971,684
130: 2,973,958
135: 2,980,307
2,994,464
136: 2,988,256
137: 2,990,991
149: 2,970,733
150: 3,001,681
151: 2,978,160
155: 3,009,617
156: 2,995,285
2,995,296
3,013,708
162: 3,009,618
172: 2,981,454
2,983,417
3,010,631
174: 3,006,521
176: 2,990,092
3,002,670
3,002,671
177: 3,014,628
178: 2,986,318
183: 2,978,161
3,010,632
184: 2,973,892
3,009,619
185: 2,977,112
187: 2,988,257
2,995,287
2,997,219
2,998,905
2,998,906
188: 2,998,176
189: 2,998,177
190: 2,972,439
3,008,622
3,014,629
192: 3,001,682
3,003,672
3,005,583
194: 2,983,418
198: 2,973,957
199: 2,991,921
200: 2,990,093

Class 229

1.5: 2,969,901
2,974,841
2,988,258
2.5: 2,970,734
2,971,685
2,974,842
2,974,843
2,974,847
2,978,162
2,979,245
2,990,094
3,001,683
3.1: 3,013,709
3.5: 2,970,735
2,970,736
2,982,457
4.5: 2,969,902
2,982,458
3,004,694
3,014,630
5.5: 2,967,652
2,982,459
2,989,218
2,996,232
3,006,522
5.6: 2,982,460
2,986,319
3,007,621
5.7: 2,989,219
2,989,220
3,008,623
6: 2,973,127
2,975,951
2,986,320
7: 2,970,737
2,971,686
2,983,419
8: 3,009,620
11: 3,009,621
14: 2,967,009
2,971,687
2,974,844
2,978,163
2,979,246
2,979,247
2,979,248
2,981,455
2,984,399
2,990,095
2,995,288
2,997,220
2,998,178
3,008,624
3,010,633
3,014,631
15: 2,973,128
2,989,221
2,989,222
2,990,096
3,006,523
3,014,632
16: 2,969,903
2,973,129
2,981,456
2,981,457
2,983,420
2,989,223
2,990,992
2,990,993
3,000,546
3,002,672
3,006,524
3,009,622
3,012,703
3,014,633
17: Re.25,021
2,968,431
2,969,904
2,969,905
2,974,845
2,974,846
2,975,952
17: 2,979,249
2,982,461
2,983,421
2,983,422
2,987,234
2,989,224
2,993,630
2,996,233
2,997,221
3,002,673
3,003,673
3,006,525
3,012,704
3,014,634
19: 2,990,994
20: 2,990,097
2,998,907
22: 2,985,353
2,993,631
2,996,234
3,006,526
3,006,527
23: 2,969,170
2,972,440
2,982,462
2,983,423
2,986,321
2,989,225
2,994,465
3,004,695
3,007,622
3,008,625
24: 2,998,908
27: 2,970,738
2,974,848
2,983,424
2,987,235
2,991,922
2,992,764
2,993,632
2,998,179
3,004,696
3,007,623
28: Re.25,073
2,974,849
2,983,425
2,983,426
2,983,427
2,995,289
3,001,684
3,005,584
3,006,528
3,006,529
3,009,623
30: 2,967,653
2,992,765
2,994,466
3,010,634
31: 2,970,739
2,980,308
3,008,626
32: 2,979,250
2,990,098
3,013,710
33: 2,993,633
2,995,290
3,003,674
3,003,675
3,010,635
34: Re.24,946
Re.25,050
2,979,251
2,980,309
2,983,428
2,986,322
2,987,236
2,988,259
2,988,260
2,990,995
2,997,222
2,998,909
3,001,685
3,003,676
35: 2,967,654
2,980,310
2,982,463
2,982,464
2,993,634
3,010,636
36: 2,982,465
2,986,323
2,994,467
3,013,711
37: 2,967,655
2,974,850
2,980,311
2,990,996
2,996,235
3,003,677
3,010,637
38: 2,970,740
2,971,688
2,988,261
3,000,547
3,014,635
39: 2,984,400
2,990,099
3,003,678
3,003,679
3,009,624
3,012,705
3,014,636
3,014,637
40: 2,973,893
2,974,851
2,987,237
2,990,997
2,993,635
2,996,236
3,001,686
3,006,530
41: 2,970,741
2,984,401
2,989,226
3,003,680
3,009,625
42: 2,995,291
43: 2,985,354
2,987,238
2,990,998
2,993,636
2,998,180
44: 2,988,262
2,990,999
2,992,766
2,998,910
45: 2,970,742
2,975,953
2,983,429
2,994,468
2,999,626
3,010,638
47: 2,977,037
2,979,252
48: 3,010,639
49: 2,993,637
2,996,237
50: 2,969,906
3,012,706
51: 2,967,010
2,970,743
2,973,130
2,974,852
2,974,853
2,975,954
2,991,000
2,991,923
2,992,767
2,994,469
3,000,548
3,001,687
3,002,674
3,004,697
3,009,626
3,012,707
3,013,712
52: 2,967,011
2,967,656
2,981,458
2,981,459
2,984,402
2,986,324
2,987,239
2,994,470
2,997,223
2,998,181
3,001,688
3,006,531
3,008,627
53: 2,990,100
2,990,101
2,997,224
54: 2,979,253
2,980,312
2,992,768
3,000,549
3,006,532
55: 2,969,907
2,975,955
2,990,102
2,999,627
3,011,689
57: 3,003,681
59: 2,996,238
60: 2,985,355
62: 2,991,001
3,001,689
3,009,627
3,011,690
3,014,638
62.5: 2,968,432
2,977,038
3,000,550
3,000,551
3,003,682
3,004,698
63: 2,980,313
3,010,640
65: 2,980,314
2,998,182

39: 2,984,400
2,990,099
3,003,678
3,003,679
3,009,624
3,012,705
3,014,636
3,014,637
40: 2,973,893
2,974,851
2,987,237
2,990,997
2,993,635
2,996,236
3,001,686
3,006,530
41: 2,970,741
2,984,401
2,989,226
3,003,680
3,009,625
42: 2,995,291
43: 2,985,354
2,987,238
2,990,998
2,993,636
2,998,180
44: 2,988,262
2,990,999
2,992,766
2,998,910
45: 2,970,742
2,975,953
2,983,429
2,994,468
2,999,626
3,010,638
47: 2,977,037
2,979,252
48: 3,010,639
49: 2,993,637
2,996,237
50: 2,969,906
3,012,706
51: 2,967,010
2,970,743
2,973,130
2,974,852
2,974,853
2,975,954
2,991,000
2,991,923
2,992,767
2,994,469
3,000,548
3,001,687
3,002,674
3,004,697
3,009,626
3,012,707
3,013,712
52: 2,967,011
2,967,656
2,981,458
2,981,459
2,984,402
2,986,324
2,987,239
2,994,470
2,997,223
2,998,181
3,001,688
3,006,531
3,008,627
53: 2,990,100
2,990,101
2,997,224
54: 2,979,253
2,980,312
2,992,768
3,000,549
3,006,532
55: 2,969,907
2,975,955
2,990,102
2,999,627
3,011,689
57: 3,003,681
59: 2,996,238
60: 2,985,355
62: 2,991,001
3,001,689
3,009,627
3,011,690
3,014,638
62.5: 2,968,432
2,977,038
3,000,550
3,000,551
3,003,682
3,004,698
63: 2,980,313
3,010,640
65: 2,980,314
2,998,182

66: 2,973,131
2,978,164
2,983,430
2,998,183
2,998,911
68: 2,975,956
2,986,325
70: Re.24,962
71: 2,971,689
2,997,225
3,013,713
72: 2,996,239
73: 2,980,315
2,984,403
84: 3,004,699
86: 3,011,691
87: 2,974,854
2,978,165
2,980,316
2,987,240
3,011,692
92.3: 2,967,657
2,983,431
92.8: 2,997,226
3,001,690

Class 230

1: 2,989,227
2: 2,970,744
2,977,039
3,007,624
4: 2,984,404
14: 2,982,466
17: 3,003,683
19: 2,991,002
21: 2,981,460
24: 2,988,263
25: 2,982,467
30: 2,968,433
2,971,690
2,973,132
31: 2,973,133
2,991,924
2,997,227
38: 2,984,405
2,991,925
40: 2,983,432
45: 2,971,691
47: 2,999,628
51: 3,010,641
52: 2,977,040
53: 2,991,003
55: 2,984,406
2,988,264
3,007,625
3,009,628
56: 2,974,855
3,007,626
57: 2,968,434
2,995,292
3,014,639
58: 2,999,629
3,008,628
3,008,629
69: 2,967,012
2,968,435
2,970,745
2,973,134
2,979,254
2,980,317
2,983,433
2,985,356
2,986,326
2,988,265
2,993,638
3,007,627
3,009,629
3,012,708
79: 3,006,533
95: 2,975,957
2,975,958
2,990,103
2,993,639
101: 2,977,041
2,997,228
108: 3,001,691
112: 2,985,357
114: 2,972,441
2,973,135
2,981,461
2,984,407
2,998,184
2,999,630
3,007,628
3,009,630
115: 2,978,166
2,986,327
2,993,640
3,009,631
116: 2,973,136
2,975,959
2,988,266
2,990,104
2,991,926

116: 2,994,471
2,994,472
2,999,631
3,002,675
117: 2,969,908
2,970,746
2,974,856
2,975,960
2,975,961
2,976,352
2,978,167
2,987,241
2,990,105
2,991,927
2,991,928
3,002,676
119: 2,974,857
120: 2,974,858
2,991,929
3,014,640
122: 2,969,909
2,990,106
124: 2,983,434
125: 2,968,436
127: 2,967,013
2,973,894
2,975,962
2,977,042
2,990,107
2,995,293
3,010,642
3,011,693
130: 3,001,692
132: 2,978,168
2,978,169
2,990,108
2,995,294
2,997,229
3,000,552
133: 3,004,700
134: 2,967,014
2,982,468
2,987,172
2,991,004
3,006,534
3,008,630
3,010,643
3,012,709
3,013,714
138: 2,991,930
143: 2,975,963
145: 2,991,931
146: 3,011,694
147: 2,992,769
148: 2,980,318
152: Re.24,932
2,969,171
2,975,964
158: 2,990,109
3,008,631
160: 2,992,770
162: 2,970,747
168: 2,970,748
169: 2,970,749
170: 3,006,535
172: 2,985,358
3,006,536
179: 2,990,110
185: 3,010,644
190: 2,985,359
200: 2,973,137
204: 2,970,750
206: 2,993,641
2,996,240
3,009,632
207: 2,978,170
2,983,435
2,988,267
2,991,005
3,003,684
228: 2,981,462
231: 2,984,408
232: 2,990,111
235: 2,973,895
2,977,043
2,981,463
238: 3,000,553
249.5: 3,010,645
259: 2,968,437
2,981,464
2,987,242
2,990,112
270: 2,995,295
274: 2,984,409

Class 231

2: 2,981,465

Class 232

1: 2,973,138
2,983,436
7: 2,990,113
3,004,701

15: 2,973,139
16: 2,992,771
17: 2,983,437
34: 2,983,438
35: 2,985,360
2,988,268
3,013,715
3,014,641
43.1: 2,986,328
43.2: 2,991,932
44: 2,967,015

Class 233

13: 3,011,695
19: 2,973,896
21: 3,007,629
22: 3,014,642
24: 2,969,172
32: 2,984,410
2,997,230
3,014,643
41: 3,012,710
45: 2,985,361
46: 3,011,696

Class 234

3: 2,973,897
13: 2,967,658
2,992,772
16: 2,978,171
2,988,269
18: 2,998,912
22: 2,969,173
2,985,362
23: 3,014,644
24: 3,006,537
29: 2,970,751
30: 2,980,319
34: 2,974,859
35: 2,994,473
37: 2,993,642
40: 2,971,692
41: 2,980,320
42: 3,008,632
45: 3,007,630
3,008,633
50: 2,986,329
2,989,228
58: 3,001,693
59: 3,008,634
64: 3,002,677
99: 2,970,752
109: 2,985,237
2,999,632
110: 3,001,694
114: 2,967,569
3,002,678
115: 2,970,753
2,989,229
2,998,913
119: 2,997,231
121: 3,012,711
124: 2,969,174
125: 2,973,810
128: 2,983,317
3,011,697
129: 3,013,716
130: 3,011,698

Class 235

1: 2,967,659
2,969,175
2,989,230
2,996,241
2: 3,006,538
3: 3,014,645
7: 2,972,442
2,974,860
8: 3,001,695
11: 3,011,699
23: 2,983,439
30: 3,012,712
53: 3,006,539
54: 3,000,554
58: 3,011,700
60: 2,970,754
2,980,321
2,982,469
2,984,411
2,985,363
2,987,243
2,989,231
2,989,232
2,992,773
3,003,685
3,007,631
3,009,633
3,009,634
3,010,646
3,013,717

60.12: 2,970,756
3,007,632
3,008,635
3,012,713
60.13: 2,998,914
3,010,647
60.15: 2,987,246
60.17: 3,003,686
60.18: 2,969,176
3,001,697
60.2: 2,970,755
2,984,412
2,987,244
2,987,245
2,994,474
60.31: 3,007,633
60.38: 3,011,701
60.4: 2,981,466
2,983,440
2,990,114
60.46: 3,006,540
60.47: 2,979,255
2,981,467
60.5: 2,978,172
3,001,696
61: Re.25,041
2,967,016
2,967,660
2,967,661
2,969,910
2,972,443
2,973,898
2,979,256
2,980,322
2,983,441
2,985,364
2,987,247
2,987,248
2,988,270
2,989,233
2,991,006
2,991,933
2,991,934
2,993,643
2,996,242
2,998,185
2,999,633
2,999,634
2,999,635
3,001,698
3,002,679
3,002,680
3,003,687
3,006,541
3,010,648
3,010,649
3,012,714
3,012,715
3,014,646
61.1: 2,998,186
3,014,647
61.11: 2,971,693
2,973,142
2,975,966
2,975,967
2,978,173
2,983,444
2,983,445
2,983,446
2,985,366
2,987,249
2,988,271
2,994,475
2,994,476
3,001,699
3,002,681
3,004,702
3,007,636
3,009,637
3,011,703
3,014,654
61.12: 2,970,757
61.5: 2,967,662
2,967,663
2,983,442
2,985,365
2,991,007
2,995,296
2,996,243
2,996,244
2,997,232
3,001,718
3,006,542
3,006,543
3,007,634
3,007,635
3,011,702
3,012,716
3,014,648
3,014,649
61.6: 2,967,664
2,973,140
2,982,470
2,989,234

61.6: 2,992,774
2,996,245
3,000,555
3,000,556
3,009,635
3,012,717
3,012,718
3,014,650
3,014,651
3,014,652
3,014,653
3,014,655
61.7: 2,975,965
2,979,257
2,995,297
3,009,636
3,013,718
3,013,719
61.8: 2,983,443
61.9: 2,972,444
2,973,141
62: 2,988,272
3,001,700
63: 2,969,177
2,969,178
2,969,911
2,975,968
2,981,468
3,000,557
3,001,701
3,001,702
3,003,688
3,003,689
3,005,585
67: 2,977,044
69: 2,983,447
2,988,273
70: 2,968,438
2,998,915
3,006,544
73: 2,988,274
3,003,690
78: 2,969,179
2,973,143
3,002,682
3,013,720
79: 2,980,323
2,980,324
79.5: 2,990,115
83: 2,996,246
3,002,683
84: 2,998,916
86: 2,980,325
3,000,558
87: 2,969,180
2,970,758
2,985,367
88: 3,010,650
89: 3,005,586
91: 2,973,144
2,980,326
2,981,469
3,006,545
3,011,704
92: 2,970,759
2,970,760
2,970,761
2,971,694
2,971,695
2,973,899
2,974,861
2,978,174
2,984,413
2,985,368
2,987,250
2,991,935
2,992,775
2,995,298
2,997,233
2,998,187
2,998,188
3,001,703
3,002,684
3,002,685
3,003,691
3,005,587
3,007,637
3,007,638
3,008,636
3,010,651
3,011,705
3,011,706
3,012,719
3,012,720
3,012,721
3,014,656
94: 2,977,045
3,014,657
98: 2,974,862
2,975,969
2,982,471
2,987,251
3,001,704
99: 2,992,776

101: 2,975,970
3,002,686
103: 2,979,258
3,011,707
113: 3,000,559
114: 2,996,247
117: 2,979,259
3,000,560
3,010,652
124: 2,986,330
130: 2,980,327
131: 3,001,705
132: 2,970,762
2,970,763
2,973,145
2,977,046
2,986,331
2,988,275
2,998,189
134: 3,006,546
136: 2,980,328
137: 3,000,561
139: 2,980,329
3,002,687
144: 2,985,369
2,986,332
2,995,299
3,003,692
3,011,708
145: 2,969,181
2,975,971
2,985,370
2,991,008
2,995,300
3,002,688
3,003,693
3,008,637
146: 3,003,694
3,010,653
151: 2,974,863
2,988,276
2,995,301
2,998,190
2,998,917
3,006,547
3,011,709
3,013,721
3,014,658
152: 2,994,477
2,995,302
3,007,639
3,007,640
3,007,641
3,009,638
3,014,659
153: 2,969,912
2,970,764
2,973,900
2,974,864
2,974,865
2,977,047
2,996,248
2,998,191
3,012,722
154: 2,967,017
155: 2,970,765
2,989,235
3,000,562
3,001,706
3,001,707
3,008,638
157: 2,969,913
2,974,866
2,978,175
3,001,708
3,012,723
3,012,724
3,012,725
3,012,726
3,014,660
158: 3,001,709
159: 2,979,260
2,981,470
2,989,236
3,004,703
3,004,704
3,011,710
160: 2,973,901
2,986,333
2,997,234
3,001,710
3,002,689
3,006,548
3,006,549
162: 2,977,048
164: 2,998,192
3,004,705
3,007,642
165: 2,970,766
3,006,550
3,012,727
167: 2,974,867
2,982,472
2,999,636

167: 3,000,563
168: 2,967,665
169: 2,989,237
2,991,009
170: 3,004,706
173: 2,973,902
3,008,639
174: 3,009,639
175: 2,968,439
2,981,471
2,988,277
2,988,278
2,994,478
2,999,637
3,003,695
3,010,654
3,014,661
176: 2,971,696
2,978,176
2,979,261
2,987,252
2,987,253
2,995,303
2,998,918
3,000,564
3,001,711
3,001,712
3,005,588
3,007,643
3,011,711
3,011,712
3,014,662
3,014,663
177: 2,991,010
2,996,249
3,010,655
178: 2,984,414
3,000,565
179: 2,987,254
180: 2,969,914
2,985,371
181: 2,981,472
3,003,696
3,011,713
3,013,722
183: 2,967,018
2,967,019
2,969,182
2,969,183
2,974,868
2,990,116
2,994,479
2,996,250
3,001,713
3,002,690
3,004,707
3,008,640
3,011,714
184: 2,980,330
2,985,372
2,989,238
2,991,936
2,998,193
3,001,714
185: 2,999,638
3,000,566
3,005,589
186: 2,975,972
2,977,049
2,978,177
2,983,448
2,985,373
2,989,239
2,993,644
2,997,235
3,000,567
3,001,715
3,003,697
3,006,551
187: 2,969,184
2,970,767
2,979,262
2,991,011
3,002,691
3,011,715
3,013,723
188: 3,012,728
189: 2,980,331
2,980,332
3,004,708
191: 2,997,236
192: 2,996,251
193: 2,967,020
2,971,697
2,978,178
3,000,568
3,001,716
3,009,640
3,011,716
3,011,717
194: 2,969,915
2,973,146
2,978,179
2,979,263

Class 235—Con.

194: 2,981,473
2,987,255
2,993,645
2,995,304
2,995,305
2,996,252
2,997,237
2,997,238
2,999,639
3,000,569
3,013,724
195: 2,973,147
2,996,253
3,009,641
196: 2,978,180
3,003,698
3,005,590
197: 2,971,698
2,982,473
3,003,699
3,009,642
3,010,656
3,012,729

Class 236

1: 2,967,021
2,970,768
2,970,769
2,974,869
2,977,050
3,004,709
3,008,641
3,011,718
9: 2,993,646
10: 2,979,264
2,990,117
12: 2,967,666
2,970,770
2,978,181
2,978,182
2,980,333
2,982,474
2,982,475
2,982,476
2,987,256
2,997,239
2,998,919
3,000,571
3,001,717
3,004,710
3,007,644
13: 2,978,183
2,981,474
2,991,937
2,997,240
2,998,194
2,999,640
14: 2,980,334
15: 2,998,195
2,998,920
3,004,711
3,010,657
25: 2,972,445
26: 2,988,279
34: 2,980,335
2,981,475
2,981,476
2,981,477
2,981,478
2,996,254
34.5: 2,975,973
2,982,477
2,988,280
35.3: 3,006,552
36: 3,003,700
37: 2,988,281
42: 2,973,903
44: 2,974,870
2,979,265
2,979,266
45: 2,978,184
2,990,118
46: 2,972,446
2,972,447
3,012,730
48: 2,975,974
2,991,012
3,004,712
49: 2,975,975
2,998,921
58: 2,988,282
59: 3,011,719
68: 2,969,916
2,981,479
3,004,713
78: 2,975,976
81: 3,014,664
82: 2,977,051
2,985,374
3,002,692
91: 2,969,917
95: 2,997,241
99: 2,967,022
2,967,257
2,990,119
2,991,013
3,002,693
3,011,720
3,011,721
101: 2,981,480

Class 237

1: 2,969,918
2,983,449
8: 2,996,255
12.3: 2,984,415
3,008,642
43: 2,985,375
53: 2,987,258
55: 2,995,306
3,009,643
63: 2,994,480
67: 3,004,714
81: 2,984,416

Class 238

2: 3,013,725
8: 2,984,417
10: 2,969,919
2,998,196
3,000,573
3,013,726
14: 2,975,977
2,986,334
3,008,643
122: 2,985,376
2,993,647
152: 3,006,553
171: 3,008,644
243: 3,003,701
244: 2,989,240
283: 2,996,256
287: 3,004,715
327: 2,999,641
349: 3,004,716

Class 239

1: 2,993,648
2: 2,991,014
11: 2,982,478
13: 2,998,922
14: 2,969,920
15: 2,967,667
2,967,668
2,980,337
2,980,338
2,989,241
3,000,574
3,001,719
3,008,645
17: 2,970,771
2,974,871
2,991,440
20: 2,974,872
3,008,646
23: 2,973,904
25: 2,994,481
2,996,257
29: 3,013,727
33: 2,979,267
52: 2,988,283
2,999,642
54: 2,988,284
55: 2,979,268
57: 2,985,377
60: 2,967,023
61: 3,011,722
63: 2,969,185
64: 2,991,938
65: 1,969,186
67: 3,006,554
76: 2,986,335
77: 2,978,185
2,979,269
2,986,336
3,013,728
78: 3,009,644
83: 3,006,555
84: 2,982,479
2,982,480
3,003,702
88: 3,006,556
96: 2,985,378
97: 2,990,120
2,999,643
99: 2,969,921
100: 2,988,285
102: 2,984,418
103: 2,978,186
105: 2,970,772
106: 2,998,923
107: 3,014,665
109: 3,013,729
112: 3,001,720
113: 2,989,242
2,989,243
114: 2,991,939
116: 2,992,777
117: 2,994,482
121: 2,974,873
123: Re.24,981
2,973,905
124: 2,988,286
125: 2,991,940
3,013,730
126: 2,991,941
127: 2,985,379
2,991,015
3,002,694
129: 2,984,419
130: 2,987,259
132: 2,979,270
3,013,731
135: 2,980,339
136.03: 2,998,924
137: 2,983,450
139: 2,974,874
142: 2,970,773
146: 2,989,244
3,002,695
148: 2,975,978
150: 2,974,875
2,975,979
3,007,645
3,008,647
161: 2,995,307
175: 2,989,245
177: 3,001,721
179: 3,009,645
183: 2,974,876
2,985,380
184: 2,971,699
186: 3,008,648
189: 3,009,646
193: 3,011,723
197: 2,973,906
201: 3,009,647
3,009,648
203: 2,968,440
2,983,451
204: 2,989,246
205: 3,002,696
206: 2,981,481
2,989,247
212: 3,002,697
213: 2,990,121
216: 3,005,591
219: 2,967,669
220: 2,986,337
222: 2,986,338
223: 2,969,187
2,992,778
224: 3,004,717
225: 3,000,575
3,009,649
226: 2,992,779
227: 3,006,557
229: 2,999,644
230: 2,973,148
2,981,482
2,986,339
2,989,248
2,999,645
3,007,646
3,009,650
231: 2,987,260
2,992,780
3,009,651
3,009,652
232: 2,993,649
236: 2,979,271
237: 2,974,877
2,980,340
240: 2,970,774
242: 2,969,922
3,005,592
243: 2,969,188
2,988,287
250: 2,992,781
252: 3,005,593
253: 2,977,052
254: 3,001,722
258: 2,998,197
259: 2,979,272
2,983,452
261: 2,967,024
2,973,907
2,980,341
262: 2,991,942
267: 3,006,558
271: 2,993,650
273: 2,973,149
278: 2,997,242
280: 2,985,381
2,991,943
3,012,731
282: 2,974,878
284: 3,008,649
286: 3,011,724
288: 2,985,382
2,985,383
296: 2,971,700
300: 3,012,732
302: 2,995,308
304: 2,987,261
2,991,944
308: 3,002,698
309: 3,003,703
315: 2,986,340
3,008,650
316: 2,975,980
318: 2,993,651
327: 2,980,342
3,014,666
329: 3,007,647
331: 2,980,343
332: 2,999,646
333: 3,002,699
337: 2,968,441
2,994,483
2,997,243
338: 2,980,344
2,993,652
345: 3,003,704
353: 2,967,670
3,008,651
357: 2,974,879
361: 2,996,258
362: 3,004,718
381: 2,968,442
3,004,719
383: 2,975,981
386: 2,994,484
399: 3,003,705
3,010,658
404: 3,013,732
405: 2,984,420
406: 2,984,421
414: 3,006,559
415: 2,969,923
422: 2,985,384
424: 2,993,653
425: 2,973,150
427: 2,989,249
3,014,667
430: 2,998,925
2,998,926
431: 2,986,341
2,988,288
2,998,927
2,998,928
2,998,929
2,998,930
2,998,931
432: 2,973,151
2,995,309
2,998,932
2,998,933
3,010,659
3,011,725
434: 3,009,653
3,010,660
436: 2,969,924
439: 3,008,652
441: 2,990,122
448: 3,001,723
453: 2,969,925
2,975,982
2,986,342
2,990,123
3,008,653
455: 2,969,189
2,998,198
3,001,724
3,002,700
456: 2,984,422
2,985,385
2,988,289
2,989,250
3,006,560
458: 2,991,016
3,001,725
3,012,733
459: 2,991,945
460: 2,968,443
3,007,648
464: 2,981,483
468: 2,986,343
2,989,251
2,999,647
3,001,726
3,008,654
487: 2,999,648
493: 2,974,880
499: 2,978,187
3,000,576
3,009,654
505: 2,977,053
511: 3,003,706
521: 2,998,934
3,014,668
526: 2,969,926
530: 2,981,484
533: 2,974,881
3,013,733
534: 2,993,654
547: 2,975,983
3,009,655
550: 2,979,273
2,987,262
563: 2,974,882
575: 2,978,188
582: 2,993,655
585: 3,004,720
587: 2,971,701
2,986,344
2,998,199
597: 2,969,190
2,978,189
2,985,386
2,985,387
598: 2,997,244

Class 240

1: 2,981,826
1.2: 2,984,735
2,990,469
3,007,034
1.3: 2,972,673
2,976,398
2,979,601
2,983,810
2,985,748
2,986,626
3,003,053
3,007,035
3,014,122
3,015,023
1.4: 3,005,087
3,010,013
2: 2,971,080
2,986,627
2,998,508
3,005,904
3,005,905
3,007,036
3,015,024
2.1: 2,982,847
2,988,631
2,993,985
2,999,148
3,009,051
2.17: 2,998,509
2.25: 2,981,827
3: 2,967,230
3,001,060
4: 2,995,619
3,005,088
3,007,037
6.4: 2,984,736
2,996,605
3,008,038
3,011,048
3,014,123
6.44: 3,003,054
6.46: 2,979,602
3,004,140
7.1: 2,984,737
2,985,749
2,985,750
2,992,321
2,996,606
2,996,607
3,005,089
7.35: 2,996,608
2,999,150
7.5: 2,995,650
2,999,149
8.12: 3,005,906
8.14: 2,980,791
8.16: 3,005,907
8.18: 2,981,828
2,997,573
8.2: 3,008,039
8.3: 2,988,632
9: 2,972,044
2,977,460
2,978,571
2,988,633
3,003,055
3,004,141
3,004,142
3,012,132
3,012,133
10: 2,969,456
3,003,056
3,009,052
3,011,049
3,014,124
10.1: 2,982,848
10.6: 3,005,090
10.61: 2,983,811
10.63: 2,991,349
3,003,057
10.65: 2,982,849
10.66: 2,983,812
10.68: 2,971,081
3,004,143
3,014,125
11: 2,985,751
11.2: 2,988,634
2,993,986
3,004,144
3,009,053
11.4: 2,976,399
2,997,574
2,999,922
2,999,923
25: 2,970,208
2,974,219
2,983,813
3,004,145
26: 3,005,908
36: 2,972,674
41.1: 2,993,987
41.15: 3,008,040
41.35: 2,999,924
3,001,061
3,003,058
41.5: 2,979,603
41.55: 3,004,146
44.2: 2,992,322
46.53: 2,975,268
49: 2,984,738
3,013,145
51.11: 2,972,675
2,980,792
2,981,829
2,982,850
2,990,470
2,993,115
3,009,054
3,009,055
3,013,146
52: 2,991,350
52.1: 2,970,209
52.15: 2,987,612
52.5: 3,005,091
52.6: 3,012,134
60: 2,971,082
61.13: 2,991,351
71: 3,002,086
73: 3,007,038
3,014,126
78: 2,967,928
2,971,083
2,972,676
2,977,461
2,978,572
2,978,573
2,979,604
2,984,739
2,989,619
2,996,609
2,997,575
2,998,510
2,998,511
2,998,512
3,007,039
3,007,040
3,007,041
3,012,135
81: 2,979,605
85: 2,992,323
102: 2,975,269
103: 2,989,620
106: 3,001,062
108: 2,975,270
2,979,606
2,997,576
128: 2,974,220
133: 2,976,400
144: 2,967,929
3,015,025
146: 2,978,574
147: 2,975,271
2,978,575
3,004,147
3,004,148
152: 3,003,059

Class 241

1: 2,980,345
2,983,453
2,997,245
3,003,707
5: 2,971,702
3,004,721
9: 3,001,727
14: 2,980,346
17: 2,974,883
3,013,734
20: 2,974,884
3,008,655
24: 2,971,703
2,990,124
3,013,735
26: 2,991,017
28: 2,973,152
29: 3,006,561
30: 2,970,775
2,974,885
2,983,454
3,008,656
3,010,661
3,011,726
32: 2,973,908
2,982,481
2,985,388
3,000,577
32.5: 2,979,274
33: 2,982,482
2,998,200
34: 2,980,347
36: 3,010,662
3,010,663
37: 2,971,704
2,984,423
39: 2,974,886
2,999,649
3,005,594
40: 2,991,946
41: 2,991,947
46: 2,969,927
2,970,776
2,970,777
2,973,153
2,977,054
2,978,190
2,980,348
2,985,389
2,995,310
2,999,650
3,004,722
3,005,595
3,005,596
3,009,656
3,013,736
48: 3,010,664
52: 2,975,984
3,002,701
67: 2,980,349
73: 2,980,350
2,991,948
2,996,260
3,001,728
75: 2,969,191
76: 2,987,263
77: 2,996,261
81: 3,003,708
84: 2,996,262
86: 2,975,985
2,977,055
2,996,259
92: 3,000,578
97: 2,970,778
99: 3,010,665
100: 2,982,483
100.5: 2,975,986
2,980,351
2,991,018
3,009,657
101: 2,970,779
2,970,780
2,974,887
2,977,056
2,981,485
2,982,484
3,009,658
102: 2,994,485
3,009,659
112: 2,991,019
126: 2,998,935
135: 3,003,709
138: 2,989,252
140: 2,998,936
146: 2,991,020
148: 2,986,345
3,001,729
154: 2,969,192
2,978,191
156: 3,006,562
163: 2,968,444
169: 2,986,346
170: 3,008,657
3,010,666
171: 3,011,727
175: 2,970,781
2,982,485
182: 2,992,782
183: 2,967,671
2,980,352
2,993,656
2,998,201
3,001,730
186: 2,973,909
2,985,390
2,990,125
187: 2,993,657
188: 3,014,669
189: 3,004,723
191: 2,974,888
2,986,347
197: 2,982,486
2,994,486

200: 2,981,486
202: 2,971,705
213: 2,977,057
217: 2,984,424
218: 2,999,651
222: 2,978,192
2,981,487
2,986,348
227: 2,969,193
245: 2,981,488
255: 3,005,597
256: 3,001,731
257: 2,973,910
259: 2,980,353
261: 2,988,290
275: 2,981,489
2,981,490
2,985,391
2,991,949
2,992,783
2,992,784
2,999,652
3,000,579
278: 3,002,702
279: 2,969,194
2,970,782
280: 3,014,670
286: 2,972,448
290: 3,009,660
294: 2,986,349
2,989,253
3,004,724
3,004,725
295: 2,974,889
296: 3,014,671
300: 2,970,783

Class 242

1: 2,973,911
1.1: 2,967,672
2,969,195
2,969,928
2,972,449
2,978,193
2,988,291
2,991,021
2,998,937
2: 2,975,987
3: 2,995,311
4: 2,973,154
2,974,890
2,986,350
2,986,351
2,989,254
2,994,487
3,000,580
6: 2,968,445
7: 2,989,255
3,006,563
9: 2,971,706
2,985,392
2,989,256
3,010,667
3,011,728
3,011,729
13: 3,006,564
3,013,737
18: 2,972,450
2,973,155
2,980,354
2,984,425
2,985,393
2,985,394
2,989,257
2,998,202
3,001,732
3,008,658
3,009,661
22: 2,983,455
25: 2,971,707
2,971,708
2,971,709
2,971,710
2,971,711
2,971,712
2,971,713
2,973,912
2,978,194
2,979,275
2,988,292
3,011,730
26.1: 2,982,487
26.3: 3,011,731
27: 2,969,196
3,000,581
3,009,662
35.5: 2,986,352
35.6: 2,992,785
37: 2,969,197
39: 2,996,263
3,011,732
3,012,734
43: 2,989,258
43.2: 2,969,198
2,998,203
3,004,726
45: 2,978,195
2,978,196
2,981,491
2,986,353
46.4: 3,006,565
54: 2,989,259
2,995,312
54.1: 2,982,488
54.4: 2,968,446
2,979,276
2,983,456
55: 3,007,649
55.1: 2,968,447
2,968,448
2,977,058
3,010,668
55.11: 2,977,059
2,988,293
2,995,313
3,000,582
3,004,727
3,004,728
3,008,660
55.12: 2,967,673
2,969,200
2,969,201
2,971,714
2,973,156
2,974,891
2,978,198
2,979,277
2,980,355
2,983,457
2,985,395
2,985,396
2,987,264
2,988,294
2,989,260
2,990,126
2,990,127
2,997,246
2,997,247
2,998,938
2,998,939
3,000,583
3,001,733
3,002,703
3,003,710
3,006,566
3,009,663
55.13: 2,969,929
2,971,715
2,971,716
2,971,717
2,971,718
2,988,295
2,989,261
3,004,729
3,008,661
55.14: 2,973,913
2,991,950
2,996,264
55.16: 2,973,157
55.18: 3,014,672
55.19: 2,975,988
2,982,489
3,013,738
55.2: 2,978,197
2,994,488
3,008,659
3,010,669
55.3: 2,986,354
2,993,658
3,007,650
3,010,670
55.42: 2,991,951
55.53: 2,991,952
3,006,567
3,007,651
55.55: 3,002,704
56: 2,969,930
2,973,158
2,980,356
2,984,426
2,989,262
2,999,653
56.1: 3,001,734
56.2: 2,970,784
2,982,490
56.4: 2,979,278
56.5: 2,975,989
56.6: 2,970,785
56.9: 3,010,671
57.1: 2,968,449
2,991,953
3,009,664
3,009,665
58: 2,973,914
58.1: 2,998,204
58.3: 2,979,279
2,983,458
58.3: 2,997,248
2,998,205
58.5: 3,001,735
3,006,568
61: 3,013,739
62: 2,985,397
64: 2,970,786
2,992,786
2,995,314
65: 2,984,427
2,985,398
66: 3,000,584
3,009,666
67.1: 2,968,450
3,008,662
67.2: 2,978,199
3,011,733
67.3: 2,981,492
2,983,459
2,987,265
3,006,569
3,012,735
67.4: 3,008,663
68: 3,005,598
68.1: 2,980,357
2,998,206
68.2: 2,992,787
3,002,705
68.3: 2,983,460
2,992,788
3,002,706
3,002,707
68.4: 2,983,461
68.6: 3,004,730
68.7: 2,998,940
3,006,570
71.2: 2,975,990
2,983,462
71.3: 2,980,358
2,988,296
71.6: 2,984,428
3,005,599
3,014,673
71.7: 3,003,711
71.8: 2,969,931
2,973,159
2,974,892
2,977,060
2,992,789
72: 2,973,160
2,991,954
3,000,585
3,001,736
3,007,652
72.1: 2,969,202
2,989,263
74: 2,969,203
2,991,955
3,003,712
75.1: 2,984,429
75.2: 2,967,674
2,969,204
2,970,787
2,993,659
2,994,489
75.3: 2,972,451
2,980,359
3,013,740
75.42: 2,979,280
2,984,430
3,006,571
75.43: 2,969,205
2,972,452
2,974,893
2,974,894
2,983,463
75.44: 2,983,464
75.5: 2,967,025
75.51: 2,968,451
2,970,788
2,975,991
2,977,061
2,978,200
2,989,264
2,991,022
75.53: 2,984,431
2,985,399
2,988,297
76: 2,989,265
77.1: 2,977,062
2,990,128
77.2: 2,973,915
78: 2,975,992
78.1: 2,985,400
3,003,713
78.4: 2,990,129
3,001,737
78.5: 2,981,493
3,006,572
78.6: 2,967,675
78.8: 2,980,360
3,010,672
79: 2,972,453
2,991,023
81: 2,971,719
2,985,401
82: 2,991,956
2,997,249
3,013,741
83: 2,981,494
2,994,490
3,013,742
84.1: 2,979,281
84.2: 2,973,916
2,973,917
2,989,266
3,000,586
3,004,731
3,006,573
84.21: 2,971,720
2,974,895
2,990,130
84.3: 2,980,361
84.45: 2,987,266
84.5: 2,986,355
2,988,298
2,991,957
84.51: 2,984,432
2,993,660
84.52: 2,967,676
84.54: 2,977,063
2,977,064
2,977,065
2,978,201
2,981,495
2,984,433
84.8: 3,001,738
85: 2,995,315
85.1: 3,010,673
86.5: 2,991,024
3,000,587
3,000,588
94: 3,005,600
3,009,667
96: 2,982,491
3,006,574
3,008,664
3,011,734
99: 2,973,918
100.1: 2,989,267
106: 2,993,661
107.4: 2,979,282
2,982,492
2,990,131
2,992,790
107.5: 2,997,250
3,007,653
3,012,736
107.6: 2,997,251
107.7: 2,969,932
2,990,132
110.1: 2,983,465
110.2: 2,971,721
2,972,454
115: 2,977,066
3,000,589
118.2: 2,982,493
118.3: 2,997,252
118.31: 2,967,026
2,983,466
3,000,590
118.32: 2,985,403
118.4: 2,974,896
2,985,402
3,011,735
118.6: 2,986,356
2,986,357
118.61: 2,996,265
118.7: 2,978,202
2,990,133
118.8: 2,992,791
125.1: 2,970,789
2,987,267
3,003,714
3,003,715
128: 2,973,919
2,985,404
2,990,134
2,992,792
2,994,491
2,999,654
3,005,601
3,010,674
3,011,736
129: 2,990,135
129.8: 2,979,283
2,981,496
130: 2,973,161
130.2: 2,973,920
2,977,067
3,005,602
134: 2,984,434
137.1: 2,983,467
2,991,958
147: 2,995,316
149: 2,971,722
2,981,497
2,998,207
150: 2,986,358
3,001,946
154: 2,974,897
2,981,498
3,003,716
155: 2,978,203
2,999,655
3,000,591
156.2: 2,983,468
2,988,299
2,988,300
3,004,732
157: 2,967,027
2,970,790
2,991,025
3,000,592
3,004,733
157.1: 2,990,136
158.4: 2,987,268
169: 2,985,405
176: 2,980,362

Class 243

16: 2,970,791
2,997,253
35: 3,006,575

Class 244

1: 2,971,723
2,973,162
2,974,898
2,982,494
2,992,793
3,001,739
2: 2,967,677
2,969,933
2,981,499
2,998,208
3,000,593
3,003,717
3,006,576
3,008,665
3,012,737
3: 2,973,163
2,991,959
2,991,960
3,002,708
3,011,737
3,013,743
6: 3,005,603
7: 2,969,935
2,989,268
2,994,492
10: 2,985,406
12: 2,967,028
2,968,452
2,968,453
2,971,724
2,972,455
2,973,921
2,974,899
2,974,900
2,982,495
2,986,359
2,988,301
2,989,269
2,990,137
2,990,138
2,991,026
2,991,961
2,994,493
2,996,266
2,997,254
3,000,594
3,001,740
3,002,709
3,010,675
3,012,738
3,013,744
13: 3,014,674
14: 2,968,454
2,972,456
2,973,164
2,979,284
2,979,285
2,980,363
2,981,500
2,984,435
2,987,269
2,987,270
2,989,270
2,991,027
2,992,794
2,994,494
2,995,317
2,995,318
2,995,319
2,996,267
2,996,268
2,997,255
2,998,941
2,998,942
14: 2,998,943
2,998,944
3,000,597
3,000,598
3,004,734
3,004,735
3,008,666
3,008,667
3,008,668
3,010,676
3,010,677
3,012,739
3,013,745
15: 2,969,936
2,973,165
2,973,922
2,977,068
2,978,204
2,982,496
2,987,271
2,988,302
2,993,662
2,995,320
2,997,256
2,998,209
3,008,669
17.11: 2,973,923
2,974,901
2,980,364
3,007,654
3,010,678
3,013,746
17.13: 3,008,670
3,010,679
17.17: 3,002,710
3,013,747
17.19: 2,969,937
2,974,902
2,979,286
2,991,962
2,996,269
17.21: 3,004,736
17.23: 2,973,924
2,987,272
3,002,711
3,002,712
17.27: 2,994,495
3,008,671
20: 2,990,139
22: 2,985,407
23: 2,967,029
2,973,166
2,978,205
2,978,206
2,980,365
2,988,303
2,989,271
2,997,257
2,997,258
2,999,656
24: Re.24,966
30: 3,006,577
31: 2,977,069
2,992,795
2,993,663
2,997,259
3,006,578
33: 3,005,604
41: 2,967,030
42: 2,969,206
2,973,167
2,973,925
2,974,903
2,974,904
2,978,207
2,990,140
3,009,668
3,010,680
3,012,740
3,013,748
44: 2,969,207
2,979,287
46: 2,969,938
2,980,366
2,990,141
3,009,669
3,009,670
48: 2,985,408
50: 2,970,792
2,974,905
2,974,906
3,001,741
3,006,579
3,007,655
52: 2,974,907
2,981,501
53: 2,967,678
2,969,939
2,969,940
2,969,941
2,978,208
2,981,502
2,990,142
54: 2,978,209
2,982,497
3,003,718
55: 2,979,288
58: 2,977,071
63: 2,969,942
2,971,725
2,988,304
2,988,305
2,990,143
3,001,742
65: 3,013,749
75: 2,980,367
76: 2,971,726
2,991,028
2,992,796
2,996,270
3,003,719
3,014,675
3,014,676
77: Re.25,097
2,967,031
2,967,032
2,967,679
2,967,680
2,969,208
2,969,934
2,969,943
2,973,926
2,973,927
2,974,908
2,977,070
2,978,210
2,979,289
2,979,290
2,982,498
2,983,469
2,985,409
2,985,410
2,987,273
2,987,274
2,987,275
2,987,276
2,991,029
2,993,664
2,993,665
2,996,271
2,998,210
2,998,945
2,998,946
3,002,713
3,003,720
3,005,605
3,007,656
3,007,657
3,010,681
3,011,738
3,014,677
78: 2,988,306
2,990,144
2,990,145
2,993,666
3,006,580
3,012,741
79: 3,006,581
82: 3,000,595
3,006,582
83: 2,967,681
2,991,963
3,002,714
3,005,606
3,011,739
3,011,740
3,011,741
85: 2,984,436
2,988,307
86: 2,992,797
87: 2,998,211
90: 2,981,503
2,987,277
3,008,672
91: 2,999,657
94: 2,983,950
102: 2,967,033
2,967,682
2,974,909
2,979,291
2,980,368
2,982,499
2,982,500
2,997,260
3,004,737
103: 2,968,455
2,977,072
2,997,261
3,004,738
104: 2,973,168
2,984,437
105: 2,973,169
108: 2,977,073
3,010,682
110: 2,967,683
2,969,944
2,971,727

Class 244—Con.

110: 2,977,074
2,977,075
2,977,076
2,979,292
2,984,438
2,987,278
2,989,272
2,990,146
2,994,496
3,000,596
3,001,743
3,010,683
3,013,750
3,013,751
111: 2,980,369
3,001,744
113: 2,972,457
2,983,470
3,002,715
114: 2,974,910
2,988,308
3,010,684
117: 2,979,293
2,981,504
2,988,947
3,001,745
3,002,716
3,005,607
118: 2,977,077
2,989,273
119: 2,967,034
2,982,501
121: 2,970,793
2,971,728
2,988,212
3,006,583
122: 2,969,209
2,971,729
2,971,730
2,974,911
2,977,078
2,977,079
2,982,502
2,996,272
2,998,213
123: 2,968,456
2,973,170
2,985,411
2,997,262
124: 2,999,658
3,002,717
127: 2,990,147
3,006,584
129: 2,990,148
130: 2,980,370
2,984,439
3,008,673
134: 2,970,794
3,002,718
3,013,752
135: 2,973,171
2,982,503
2,985,321
3,004,739
3,008,674
3,009,671
3,011,742
136: 2,967,684
2,986,360
137: 2,969,210
2,971,731
2,985,412
2,988,948
3,002,719
3,009,672
138: 2,969,211
2,973,172
2,974,912
2,978,211
2,990,149
2,992,708
2,998,214
140: 2,977,080
2,985,413
2,986,361
3,006,585
141: 2,995,322
2,999,659
142: 2,970,705
2,993,667
2,993,668
3,003,721
145: 2,974,913
2,991,964
2,997,263
2,998,949
3,013,753
147: 2,969,212
2,972,458
3,007,658
3,009,673
3,010,685
3,014,678
148: 2,969,213
2,969,945
2,973,173
2,978,212
2,979,294
2,998,950
149: 2,967,685
2,981,505
2,994,497
3,001,746
3,008,675
150: 2,967,686
2,995,323
151: 2,970,796
2,986,362
2,987,279
152: 2,973,928
2,980,371
153: 2,986,363
2,988,309
3,003,722
3,007,659
154: 2,969,946
2,987,280
3,001,747
155: 2,983,471
3,003,723
3,006,586

Class 245

5: 3,012,742
6: 3,008,676

Class 246

1: 2,976,401
2: 2,967,231
2,981,830
3,005,092
3: 2,998,513
5: 2,967,232
2,976,402
3,008,041
7: 3,001,063
26: 2,976,403
28: 2,994,764
29: 3,004,149
33: 2,976,404
34: 2,975,272
2,985,752
2,986,628
2,991,352
2,993,116
2,998,514
3,011,050
63: 2,975,273
2,982,851
2,992,324
110: 3,008,042
130: 3,004,150
146: 3,004,151
161: 2,976,405
162: 2,967,233
169: Re.24,983
2,970,210
2,973,429
2,986,629
2,993,117
2,993,988
2,999,151
2,999,152
182: 2,971,084
2,976,406
2,976,407
2,977,462
2,981,831
2,998,515
240: 2,986,630
2,988,635
248: 2,972,045
249: 2,970,211
2,973,430
251: 2,987,613
3,004,152
3,009,056
428: 2,993,669
435: 2,979,295
453: 2,995,324

Class 248

2: 2,975,993
2,980,372
4: 2,967,687
2,987,281
2,996,273
3,003,724
3,003,725
5: 3,006,587
8: 3,005,608
14: 2,998,215
15: 2,968,457
2,980,373
18: 2,980,374
19: 2,968,458
2,998,216
20: 2,972,459
2,978,213
3,007,660
23: 2,967,688
2,991,030
25: 3,010,686
26: 2,982,504
3,012,743
27: 2,969,214
3,011,743
3,012,744
27.8: 2,969,947
2,983,472
2,989,275
28: 2,967,035
2,971,732
2,981,506
2,984,440
3,001,748
31: 2,975,994
2,983,473
33: 2,980,375
2,981,507
2,995,325
35: 2,981,508
3,002,720
37: 2,971,733
38: 3,000,599
3,010,687
39: 2,973,929
3,006,588
40: 2,973,930
3,014,679
41: 2,988,310
42: 2,981,509
2,981,510
2,985,414
43: 3,013,754
44: 2,971,734
2,980,376
2,980,377
2,988,311
2,994,498
3,002,721
3,007,661
46: 2,971,735
48: 2,987,282
2,997,264
2,999,660
48.1: 2,977,081
48.2: 2,978,214
3,007,662
49: 2,969,215
3,001,749
50: 3,011,744
3,014,680
51: 2,979,296
54: 2,974,914
2,975,995
2,979,297
2,981,511
2,989,276
2,995,326
2,995,327
3,000,600
55: 3,003,726
56: 2,987,283
3,011,745
57: 3,004,740
58: Re.24,934
2,974,915
2,975,996
2,981,512
2,993,670
60: 3,014,681
61: 3,005,609
62: 2,972,460
2,979,298
2,996,274
2,999,661
63: 2,975,997
2,980,378
2,984,441
67.5: 2,979,299
68: 2,972,461
2,975,998
2,990,150
2,997,265
70: 2,998,951
71: 2,969,216
2,974,916
2,992,799
2,995,328
3,012,745
73: 2,981,513
2,996,275
74: 2,982,505
2,984,442
2,987,284
2,992,800
2,992,801
2,994,499
74: 2,998,217
3,004,741
3,006,589
3,012,746
75: 2,986,364
3,013,755
79: 2,988,312
80: 2,972,462
87: 2,993,671
97: 2,995,329
99: 2,991,031
101: 2,989,277
102: 2,991,032
104: 3,003,727
106: 2,989,278
3,000,601
113: 2,987,285
3,013,756
115: 2,978,215
117.6: 2,982,506
119: 2,973,174
120: 2,967,036
2,969,948
2,970,797
2,972,463
2,973,931
2,974,917
2,982,507
2,988,313
2,991,033
2,991,965
2,992,802
2,994,500
2,996,276
2,997,266
3,000,602
3,000,603
3,004,742
3,005,610
3,006,590
3,007,663
3,009,674
3,012,747
121: 2,975,999
2,991,034
122: 2,985,415
3,008,677
124: 2,984,443
125: 2,973,932
2,991,966
126: 3,007,664
129: 2,998,218
3,005,611
145: 2,995,330
145.3: 3,008,678
145.6: 3,010,688
146: 2,968,459
2,979,300
150: 3,010,689
3,013,757
153: 3,013,758
154: 2,985,416
3,003,728
155: 2,991,035
156: 2,998,952
161: 2,983,474
3,004,743
3,014,682
163: 2,971,736
2,995,331
165: 3,001,750
166: 2,967,037
2,973,933
2,984,444
171: 3,003,729
174: 3,002,722
3,004,744
183: 2,998,953
188: 2,999,662
3,005,612
194: 2,992,803
195: 2,991,967
200: 2,997,267
201: 2,974,918
2,978,216
203: 2,986,365
204: 2,976,000
2,978,217
2,984,445
205: 2,967,038
2,967,689
2,969,217
2,971,737
2,978,218
2,982,508
3,000,604
3,012,748
206: 2,968,460
2,977,082
2,980,379
2,991,036
210: 3,001,751
211: 2,980,380
2,991,037
211: 2,993,672
214: 2,979,301
2,985,417
2,988,314
3,011,746
3,012,749
3,014,683
216: 2,973,175
3,011,747
218: 3,001,752
220.5: 2,999,663
3,003,730
221: 2,990,151
2,996,277
3,003,731
3,013,759
223: 2,974,919
2,980,381
2,983,475
2,987,286
2,988,315
2,991,968
3,003,732
224: 2,976,001
2,987,288
3,003,733
3,003,734
226: 2,971,738
2,976,002
2,990,152
2,994,501
3,005,613
3,007,665
3,008,679
228: 2,973,176
2,988,316
3,003,735
3,009,675
229: 2,967,690
2,970,798
2,982,509
2,995,332
2,998,954
3,003,736
3,009,676
230: 2,969,949
2,970,799
2,970,800
2,994,366
2,995,333
3,005,614
231: 2,967,039
3,012,750
235: 2,997,268
238: 2,984,446
240: 3,000,605
243: 2,976,003
2,991,038
3,008,680
245: 2,997,269
247: 2,979,302
263: 2,998,955
265: 2,980,382
3,005,615
3,011,748
267: 2,999,664
3,013,760
273: 2,968,461
278: 2,991,969
284: 3,000,606
285: 2,986,366
286: 3,003,737
287: Re.25,106
2,979,303
289: 2,976,004
291: 2,974,920
293: 2,968,462
3,013,761
298: 2,976,005
309: 2,988,317
2,997,270
311: 2,967,691
2,991,039
2,992,804
313: 3,001,753
3,014,684
315: 3,002,723
316: 2,992,805
317: 2,980,383
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3,006,591
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324: 2,967,040
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341: 2,987,289
342: 2,998,219
343: 2,967,692
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346: 2,983,476
349: 3,004,745
351: 2,977,084
354: 2,973,178
2,979,304
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2,988,318
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356: 2,973,934
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357: 2,987,290
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3,009,677
358: 2,982,510
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359: 2,993,674
360: 3,001,755
361: 2,971,739
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374: 2,998,054
376: 3,006,593
377: 2,991,970
382: 3,014,686
387: 3,013,764
394: 3,001,756
395: 3,008,681
399: 2,996,278
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405: 2,999,665
421: 2,993,675
424: 3,006,594
428: 3,013,762
429: 3,007,668
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432: 2,991,041

Class 249

14: 2,968,463
15: 2,976,006
19: 2,971,740
62: 2,976,007

Class 250

1: 3,009,057
2: 2,977,463
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3: 2,992,325
4: 2,980,793
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5: 2,998,516
6: 2,967,234
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2,991,353
2,992,326
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8: 2,991,354
2,999,925
13: 2,981,832
2,985,753
2,990,471
2,999,153
3,004,153
14: 2,984,740
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15: 2,972,047
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16: 2,991,355
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17: 2,968,716
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17: 3,004,155
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27: 2,971,088
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3,012,139
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42: 3,005,096
43: 2,968,719
43.5: 2,968,720
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52: 3,011,055
53: 2,967,240
57: 2,997,585
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58: 2,989,634
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66: 2,974,228
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67: 3,001,070
68: Re.25,079
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69: 2,974,229
70: 3,003,062
71: 2,984,744
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71.5: 2,967,933
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77: 3,005,102
80: 2,968,725
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83.3: 2,967,242
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2,999,936
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3,002,093
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3,004,161
3,004,162
3,004,163
3,005,913
3,005,914
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3,007,051
3,007,052
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3,008,049
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3,010,018
3,010,019
3,011,058
3,012,143
3,012,144
3,012,145
3,014,131
3,015,029
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83.6: 2,967,243
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2,968,729
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2,974,232
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83.6: 2,988,641
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3,012,147
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84: 2,994,774
84.5: 2,967,245
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2,991,367
2,992,333
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2,994,775
2,994,776
2,994,777
2,998,523
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85: 2,972,053
86: 2,998,524
2,999,163
90: 2,980,800
91: 2,968,732
92: 2,997,591
95: 2,967,944
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2,993,123
2,993,124
100: 2,985,762
102: 2,969,464
105: 2,969,465
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106: 2,968,733
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108: 2,970,217
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201: 2,992,334
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203: 3,002,098
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205: 2,982,859
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208: 2,985,763
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218: 2,967,946
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219: 2,967,947
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2,994,783
2,999,166
2,999,944
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220: 2,977,480
2,979,623
2,984,750
222: 2,967,948
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223: 2,982,862
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225: 2,986,644
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233: 2,968,736
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Class 251

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3: 2,994,502
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4: 2,995,334
5: 2,972,464
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6: 2,987,292
7: 2,990,154
8: 2,985,420
10: 2,998,956
11: 2,989,281
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14: 2,991,042
19: 3,008,682
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29: 3,013,765
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35: 2,972,466
38: 2,993,676
44: 2,998,221
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46: 3,005,616
48: 2,968,465
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51: 3,011,753
54: 2,986,369
57: 3,008,684
58: 2,974,921
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282: 2,995,337
3,003,743
288: 2,987,295
297: 3,007,673
306: 2,991,043
3,000,609
309: 2,998,223
3,004,749
3,012,752
312: 2,994,504
315: 3,006,602
3,009,680
317: 2,986,374
3,012,753
320: 3,008,686
327: 3,000,010
329: 2,982,514
3,013,770
330: 3,003,744
331: 2,988,322
3,011,758
332: 2,969,951
2,976,009
2,982,515
2,985,424
3,009,681
333: 2,969,218
2,976,010
3,007,674
335: 2,983,480
337: 3,008,687
340: 2,971,742
2,982,516
2,985,425
347: 2,988,323
3,002,724
353: 2,991,044

Class 251—Con.

358: 2,994,505
362: 2,969,219

Class 252

8.3: 2,981,683
2,981,684
8.5: 2,967,150
2,969,321
2,973,320
2,975,126
2,976,235
2,979,454
2,986,516
2,994,660
2,995,514
2,995,515
2,996,450
2,997,440
2,999,063
3,002,923
3,005,773
3,006,845
3,006,846
3,007,864
3,009,874
3,010,895
3,014,862
8.55: 2,969,322
2,970,108
2,970,958
2,970,959
2,975,125
2,975,127
2,976,236
2,978,409
2,979,455
2,979,456
2,982,724
2,987,475
2,988,505
2,997,441
2,999,811
2,999,812
3,000,818
3,001,934
3,001,935
3,001,936
3,003,955
3,003,956
3,007,865
3,008,898
3,014,863
3,014,864
8.6: 2,987,474
8.7: 3,013,966
8.8: 2,978,408
2,995,520
3,003,954
12: 2,971,908
2,975,128
3,013,967
3,014,865
13: 3,010,896
18: 2,967,826
2,977,300
2,977,301
2,978,410
2,982,726
2,987,476
2,988,506
3,006,847
3,010,897
3,010,898
3,013,968
22: 3,007,866
25: 2,975,129
2,977,302
2,989,463
3,000,819
3,009,875
3,011,975
26: 2,991,243
3,007,867
28: 2,967,827
2,975,130
2,976,237
2,979,457
2,980,611
2,980,612
2,981,685
2,984,624
2,986,517
2,986,518
2,990,367
2,998,384
3,006,848
29: 3,010,899
30: 2,968,617
2,970,109
2,986,519
32: 3,001,937
3,008,899
3,011,976
32.5: 2,968,618
2,976,238
2,977,303
2,982,727
2,983,678
2,983,679
2,989,464
2,991,244
3,000,820
3,000,821
3,001,938
3,003,957
3,012,964
32.7: 2,969,323
2,969,324
2,970,110
2,971,909
2,973,323
2,975,131
2,976,239
2,977,304
2,977,305
2,977,306
2,977,307
2,991,245
2,991,246
2,993,856
2,993,857
2,993,858
3,000,822
3,001,939
3,001,940
3,002,924
3,002,925
3,003,958
3,003,959
3,004,916
3,008,900
3,013,969
3,013,970
3,013,971
33: 2,987,477
2,994,661
3,007,868
3,012,965
3,013,972
3,014,866
33.3: 2,968,619
2,972,578
2,975,132
2,991,247
3,013,973
33.4: 2,968,620
2,970,960
2,972,579
2,972,580
2,976,240
2,989,465
2,992,183
3,004,917
3,007,869
33.6: 2,976,241
2,981,686
2,999,813
3,003,960
3,003,961
34: 2,971,910
2,975,133
2,991,248
3,012,966
34.7: 2,980,613
2,999,064
2,999,814
3,006,849
35: 2,976,242
3,000,823
3,002,926
36: 3,003,962
37: 2,978,411
3,010,900
37.2: 3,002,927
3,009,876
3,009,877
37.7: 2,998,385
39: 2,973,321
2,982,728
2,999,065
2,999,066
3,005,774
3,010,901
3,013,974
40: 2,974,103
2,991,249
40.5: 3,014,867
40.7: 2,967,151
2,975,134
2,976,243
2,982,729
2,990,368
2,995,516
3,000,824
40.7: 3,007,870
3,014,868
41: 2,980,614
2,980,615
3,000,825
3,009,878
42: 2,969,325
2,979,458
42.1: 2,971,911
2,980,616
2,983,680
2,988,507
2,998,386
3,009,879
42.7: 2,989,466
3,003,963
46.4: 2,983,681
2,987,478
2,998,387
3,007,871
3,010,902
46.6: 2,978,412
2,992,184
3,003,964
3,006,850
46.7: 2,971,912
2,991,250
47.5: 2,985,590
2,991,251
2,991,252
48.2: 3,012,967
48.4: 2,969,326
2,971,913
48.6: 2,994,662
3,007,872
49.3: 2,990,369
3,000,826
49.5: 2,968,621
49.6: 2,975,135
2,978,413
2,979,459
2,986,520
2,989,467
2,989,468
2,989,469
2,989,470
2,993,859
2,996,451
3,007,873
3,012,968
3,014,869
3,014,870
49.7: 2,967,828
2,979,460
2,979,461
2,979,462
2,983,682
2,983,683
3,008,901
3,014,871
49.8: 2,996,452
2,996,453
2,997,442
2,999,067
49.9: 3,002,928
3,010,903
50: 2,977,308
2,996,454
51.5: 2,967,829
2,971,914
2,975,136
2,976,244
2,977,309
2,987,479
3,006,851
3,010,904
3,010,905
3,013,975
52: 2,987,480
2,990,370
3,006,852
55: 2,977,310
56: 2,971,915
2,990,371
2,992,987
2,994,663
3,000,827
3,001,941
3,001,942
3,010,906
57: 2,976,245
2,993,860
3,005,775
58: 2,992,988
2,992,989
59: 2,982,730
2,996,455
61: 2,989,471
62: 2,967,152
3,014,872
62.1: 2,986,521
62.2: 2,984,625
62.3: 2,970,111
2,981,687
62.3: 2,990,372
2,996,456
62.5: 2,968,622
2,970,112
2,970,961
2,971,916
2,974,104
2,977,311
2,977,312
2,978,414
2,980,617
2,980,618
2,980,619
2,981,688
2,981,689
2,981,690
2,982,731
2,982,732
2,985,591
2,986,522
2,986,523
2,987,481
2,988,508
2,989,472
2,989,473
2,989,474
2,989,475
2,989,476
2,989,477
2,989,478
2,989,479
2,989,480
2,992,990
2,995,517
2,995,518
2,996,457
2,997,443
3,000,828
3,001,943
3,002,929
3,002,930
3,003,965
3,003,966
3,003,967
3,004,918
3,006,853
3,006,854
3,006,855
3,006,856
3,007,874
3,007,875
3,009,880
3,013,976
62.9: 2,976,246
2,989,481
2,989,482
2,989,483
3,006,857
3,013,977
63.2: 2,969,327
2,986,524
2,987,482
67: 2,986,525
2,998,388
3,004,919
68: 2,975,137
70: 2,979,463
2,980,620
2,988,509
73: 2,998,389
3,006,858
3,009,881
75: 2,968,623
2,968,624
2,968,625
2,972,581
2,982,733
2,990,373
76: 2,992,185
77: 2,967,831
3,005,776
78: 2,975,138
2,976,247
2,982,734
2,992,991
2,995,519
79: 3,003,968
87: 2,994,664
90: 2,995,521
97: 2,980,621
99: 2,975,139
2,977,313
2,977,314
2,979,464
2,980,622
2,988,510
3,002,931
3,007,876
103: 3,000,829
105: 2,995,522
106: 2,977,315
2,998,390
107: 2,971,917
2,977,316
109: 2,992,992
110: 2,975,140
2,989,484
116: 3,009,882
117: 2,980,623
2,983,684
3,000,830
3,001,944
118: 2,978,415
121: 2,982,735
2,988,511
2,991,253
135: 2,970,962
2,971,918
2,977,317
2,986,526
2,992,186
3,007,877
3,010,907
136: 2,977,318
2,990,374
137: 2,967,832
2,979,465
2,981,691
2,985,592
2,993,861
2,994,665
2,995,523
2,999,068
3,001,945
138: 2,979,466
2,982,736
2,987,483
2,990,375
3,000,831
139: 2,971,919
2,992,993
142: 2,995,524
3,003,969
143: 2,971,920
146: 2,993,862
147: 2,993,863
148: 2,993,864
2,993,865
150: 2,988,512
151: 2,989,485
152: 2,972,582
2,980,624
2,989,625
2,982,737
2,992,994
2,992,995
2,992,996
2,995,525
2,999,069
3,001,947
3,001,948
3,003,970
3,005,777
153: 2,969,328
2,969,329
2,970,963
2,982,738
2,992,997
3,001,949
3,012,969
156: 2,976,248
2,982,739
2,992,187
2,992,998
2,997,444
161: 2,970,964
2,972,583
2,975,141
2,978,416
2,992,999
3,000,832
3,011,977
170: 2,981,692
2,991,254
3,005,778
171: 2,970,113
2,993,866
2,999,815
2,999,816
172: 2,999,817
174: 2,987,484
179: 3,002,932
182: 2,988,513
2,990,376
2,993,000
186: 2,972,584
2,975,142
3,008,902
187: 2,988,514
3,003,971
3,008,903
188: 2,970,114
188.3: 3,012,970
192: 2,983,685
2,997,445
194: 2,967,153
2,967,154
300: 2,971,921
2,986,527
3,000,833
301.1: 3,006,859
3,008,904
3,013,978
301.2: 2,970,965
2,977,319
2,983,686
2,985,593
2,986,528
3,005,779
3,010,908
3,012,971
301.3: 2,977,320
3,011,978
301.4: 2,968,626
2,976,249
2,979,467
2,984,626
2,986,529
2,988,515
2,997,446
2,999,070
3,002,933
3,013,979
3,014,873
3,014,874
3,014,875
3,014,876
3,014,877
301.5: 2,988,516
301.6: 2,968,627
2,970,115
2,973,322
2,975,143
2,977,321
2,978,417
2,980,626
2,980,627
2,982,740
2,984,627
2,986,530
2,987,485
2,993,001
2,999,818
3,000,834
3,010,909
3,014,878
305: 2,968,628
2,995,526
2,998,391
3,010,910
307: 3,008,905
309: 2,974,105
3,004,920
3,004,921
311.5: 2,974,106
2,974,107
2,993,002
2,993,003
2,993,004
3,006,860
312: 2,978,418
2,990,377
3,004,922
313: 2,970,966
2,974,108
2,974,109
2,976,250
2,978,419
2,984,628
2,984,629
3,007,878
3,012,972
3,012,973
314: 3,012,974
316: 2,969,330
2,969,331
2,971,922
2,976,251
2,983,687
317: 2,967,833
2,993,005
321: 2,981,693
2,993,867
3,000,835
3,004,923
326: 2,993,006
3,014,879
331: 3,009,883
341: 3,009,884
342: 2,971,923
344: 3,004,924
351: 2,997,447
352: 3,007,879
3,012,975
354: 2,969,332
359: 2,969,333
2,971,924
2,973,324
2,973,325
2,980,628
3,011,979
360: 2,970,967
363.5: 2,992,188
368: 2,970,116
369: 2,980,629
374: 2,996,458
378: 3,010,911
386: 3,005,780
389: 2,968,629
2,983,688
3,007,880
392: 2,993,007
396: 3,004,925
403: 2,968,630
2,989,486
405: 3,010,912
408: 2,967,155
2,979,468
2,993,008
2,998,392
2,999,819
3,000,836
3,001,950
3,006,861
3,012,976
411: 2,977,322
412: 2,973,326
413: 2,992,189
414: 2,980,630
415: 2,977,323
2,981,694
2,999,071
3,006,862
416: 2,968,631
2,987,486
3,005,781
3,013,980
417: 2,970,117
2,981,695
2,994,666
3,004,926
419: 2,980,631
420: 2,983,689
426: 3,004,927
428: 2,988,517
2,995,527
429: 2,967,834
2,971,925
2,976,252
2,986,531
2,992,190
2,993,009
2,996,459
2,999,072
2,999,073
3,000,837
3,001,951
3,007,881
430: 2,976,253
3,004,928
431: 2,985,594
2,989,487
432: 2,993,010
437: 2,967,156
2,985,595
439: 2,976,254
441: 2,971,926
2,981,696
2,983,690
3,000,838
3,003,972
3,003,973
3,009,885
3,010,913
442: 2,999,074
3,002,934
3,004,929
3,004,930
443: 2,971,927
2,977,324
2,978,420
3,002,935
3,014,880
445: 2,977,325
447: 2,967,835
448: 2,974,110
449: 2,973,327
3,013,981
450: 2,967,157
2,967,158
2,973,328
2,981,697
2,988,518
2,988,519
451: 3,003,974
453: 2,983,691
455: 2,967,159
2,968,632
2,968,633
2,970,968
2,988,520
2,989,488
2,991,255
2,994,667
2,996,460

455: 3,001,952
3,001,953
3,006,863
3,010,914
3,013,982
3,013,983
3,013,984
3,013,985
3,013,986
3,013,987
3,013,988
3,013,989
3,013,990
457: 2,986,532
2,988,521
3,005,782
459: 3,010,915
463: 2,973,329
3,006,864
464: 2,984,630
2,992,191
2,995,528
3,011,980
465: 2,968,634
2,980,632
2,985,596
2,993,868
2,998,393
466: 2,968,635
2,971,928
2,973,330
2,974,111
2,977,326
2,982,741
2,989,489
2,991,256
467: 2,985,597
2,987,487
470: 2,968,636
472: 2,977,327
2,985,598
2,999,075
477: 2,975,144
478: 2,986,533
2,987,488
2,988,522
2,988,523
3,007,882
501: 2,972,585
2,986,534
502: 3,011,981
503: 2,985,599
2,989,490
3,003,975
506: 2,981,698
2,991,257
2,995,529
507: 2,980,633
516: 3,009,886
518: 2,998,394
3,002,936
3,003,976
3,006,865
519: 2,993,011
520: 2,981,699
3,011,982
3,011,983
521: 2,975,145

Class 253

3: 2,983,481
16.5: 3,002,725
31: 2,972,468
2,972,469
3,007,675
39: 2,969,952
2,972,470
2,974,924
2,976,011
2,977,088
2,978,223
2,986,375
2,988,324
2,991,045
2,992,809
2,992,810
2,999,667
3,006,603
3,011,759
3,014,691
39.1: 2,996,279
3,014,692
39.15: 2,970,807
2,973,937
2,973,938
2,974,925
2,974,926
2,977,089
2,977,090
2,985,426
2,988,325
2,991,973
39.15: 2,996,280
2,998,958
2,999,668
3,009,682
3,010,696
3,011,760
3,011,761
3,011,762
3,014,693
40: 2,989,284
48: 2,979,305
51: 3,000,611
52: 2,976,012
2,980,394
3,006,604
55: 2,976,013
2,981,516
2,985,427
3,010,697
3,014,694
56: 3,005,618
59: 2,982,517
2,987,296
2,988,326
2,988,327
3,008,688
3,013,771
69: 2,974,927
77: 2,967,043
2,970,808
2,970,809
2,971,743
2,971,744
2,971,745
2,976,014
2,980,395
2,981,517
2,982,518
2,984,453
2,988,328
2,989,285
2,990,156
2,993,678
2,994,506
2,994,507
2,995,338
2,996,281
2,997,274
2,998,959
2,999,669
3,000,612
3,000,613
3,000,614
3,001,759
3,001,760
3,003,745
3,006,605
3,008,689
3,012,754
3,014,695
78: 2,968,467
2,968,468
2,974,928
2,976,015
2,980,396
2,982,519
2,984,454
2,994,508
2,994,509
2,996,282
2,997,275
2,999,670
3,004,750
105: 2,979,306
116: 2,977,091

Class 254

1: 3,007,676
3,012,755
2: 2,973,184
2,988,329
2,998,960
3,010,698
3,011,763
4: 2,969,220
2,974,929
2,987,297
2,992,811
8: 2,998,224
9: 3,003,746
28: 2,976,016
29: 2,982,520
2,990,157
2,991,974
3,001,761
3,003,747
30: 2,967,044
2,994,510
50.3: 2,968,469
2,977,092
2,990,158
3,000,615
50.3: 3,005,619
51: 2,969,221
2,994,511
2,994,512
62: 3,001,762
67: 2,998,225
3,002,726
75: 3,008,690
76: 2,995,339
77: 2,996,283
79: 2,986,376
2,995,340
81: 2,977,093
86: 2,970,810
2,977,094
3,007,677
3,010,699
87: 2,967,045
89: 2,993,679
93: 3,014,696
97: 2,973,939
98: 2,988,330
99: 2,980,397
3,013,772
101: 2,981,518
3,006,606
102: 2,974,930
2,990,159
103: 2,969,222
106: 2,974,931
3,008,691
107: 2,992,812
2,996,284
113: 3,014,697
120: 2,989,286
124: 3,014,698
132: 2,983,482
3,011,764
133: 2,998,961
134.3: 2,969,953
2,973,940
2,980,398
2,990,160
3,005,620
3,010,700
3,011,765
3,012,756
134.4: 2,980,399
3,006,607
134.5: 2,974,932
135: 2,985,428
3,014,699
139.1: 2,985,429
3,001,763
143: 2,985,430
144: 3,012,757
150: 2,991,046
3,002,727
3,003,748
164: 2,991,975
2,993,680
166: 2,997,276
167: 2,967,046
2,989,287
2,998,226
168: 2,969,954
2,985,431
2,989,288
2,991,976
2,994,513
172: 2,984,455
3,001,764
173: 2,988,331
175.7: 2,991,977
3,005,621
3,005,622
186: 2,973,941
2,978,224
187: 3,002,728
188: 2,973,942
190: 2,974,933
2,976,017
3,006,608
192: 2,980,400
196: 2,980,401

Class 256

6: 2,973,185
8: 3,010,701
10: 3,001,765
13.1: 2,969,223
2,974,934
2,979,307
2,988,332
21: 2,969,955
2,973,943
2,976,018
24: 2,987,299
2,997,277
33: 3,014,700
35: 3,014,701
47: 2,968,470
2,976,019
2,996,285
2,997,278
64: 2,976,020
2,981,519
65: 2,976,021
2,999,671
3,007,678
67: 2,982,521
3,004,751
3,005,623
71.5: 3,005,101

Class 257

1: 2,971,746
2,988,333
2,990,161
2,993,681
3,001,766
12: 2,978,225
3,000,616
32: 2,995,341
43: 2,986,377
44: 2,998,227
45: 2,991,978
55: 2,967,693
3,006,609
73: 2,979,308
79: 3,009,683
86: 2,989,289
95: 2,972,472
2,991,979
3,006,610
104: 2,982,522
129: 2,995,342
130: 2,983,483
2,989,290
2,991,047
3,003,749
3,012,758
133: 2,980,402
136: 3,008,692
137: 2,983,484
3,012,759
3,012,760
154: 2,984,456
191: 2,985,432
3,006,611
195: 2,979,309
198: 2,991,980
208: 2,988,334
214: 2,967,047
221: 3,013,773
223: 2,996,286
224: 2,969,956
2,970,811
2,978,226
235: 2,990,162
236: 2,988,335
2,991,048
3,008,693
3,012,761
239: 3,007,679
3,014,702
241: 2,970,812
2,977,095
2,980,403
2,991,981
2,995,343
3,006,612
3,010,702
245: 2,983,485
2,985,433
2,985,434
2,988,336
2,995,344
2,997,279
2,997,280
3,007,680
246: 2,9851435
2,990,163
2,993,682
2,998,962
3,001,767
247: 2,979,310
248: 2,973,944
2,980,404
250: 2,969,957
254: 2,970,813
256: 2,981,520
2,987,300
260: 2,991,982
262.11: 2,970,814
262.16: 2,976,022
262.18: 2,998,228
262.19: 3,002,729
263: 2,984,457
2,998,229
265: 2,983,486
267: 2,969,958
2,977,096
2,981,521
3,009,684
268: 2,978,227
269: 2,970,815
3,000,617
3,003,750
3,010,703
3,010,704
3,011,766
3,014,703
271: 2,995,345
275: 2,983,487
278: 2,969,959
2,970,816
3,011,767
280: 3,002,730
283: 2,984,458
2,984,459
286: 2,969,224
287: 2,968,471
2,994,514
3,014,704
288: 2,978,228
289: 3,004,752
290: 3,006,613
291: 2,973,186
293: 3,008,694
295: 2,971,747
2,976,023
3,012,762
297: 2,984,460
3,008,695
301: 2,982,523
303: 2,979,311
306: 2,967,694
310: 2,994,515
313: 3,007,681
314: 2,983,488

Class 258

1.2: 2,990,164

Class 259

1: 2,967,048
2,974,935
2,980,405
2,982,524
2,988,337
2,988,338
3,001,768
3,001,769
3,002,731
2: 2,968,472
3: 2,978,229
2,981,522
2,981,523
2,983,489
4: 2,976,024
2,991,049
2,999,672
3,003,751
3,003,752
7: 2,969,960
2,970,817
2,971,748
2,999,673
3,001,770
3,008,696
3,009,685
8: 2,970,818
2,995,346
3,005,624
9: 2,972,473
2,973,945
2,977,097
2,980,406
2,998,963
3,000,618
11: 2,996,287
30: 2,978,230
32: 2,984,461
2,987,301
40: 2,992,813
44: 3,013,774
3,013,775
57: 2,988,339
3,013,776
72: 2,978,231
2,988,340
2,995,347
2,996,288
81: 2,978,232
95: 2,969,225
2,970,819
2,991,050
96: 2,978,233
97: 2,980,407
2,991,983
98: 3,010,705
101: 3,009,686
102: 2,967,695
104: 3,006,614
107: 2,982,525
2,984,462
2,991,051
108: 2,973,187
2,977,098
3,011,768
111: 2,973,946
125: 2,985,436
131: 2,973,188
136: 2,983,490
3,012,763
139: 2,994,516
141: 2,997,281
151: 3,001,771
154: 2,976,025
3,006,615
157: 2,969,961
158: 2,967,696
169: 2,969,962
171: 2,987,302
174: 2,989,291
177: 2,981,524

Class 260

2: 2,967,160
2,970,969
2,971,942
2,982,742
2,987,489
2,992,192
2,992,193
2,994,668
2,999,820
3,004,931
3,005,783
3,009,887
3,013,991
3,013,992
3,013,993
2.1: 2,972,586
2,977,328
2,980,634
2,980,635
2,992,544
2,993,012
2,994,669
2,999,821
3,005,784
3,005,785
3,005,786
3,006,866
3,013,994
2.2: 3,004,932
3,013,995
2.3: 2,998,395
3,006,867
3,008,906
2.5: 2,969,334
2,970,118
2,970,119
2,970,120
2,975,146
2,977,329
2,977,330
2,979,469
2,981,700
2,983,692
2,984,631
2,986,535
2,986,536
2,986,537
2,990,378
2,990,379
2,990,380
2,990,381
2,992,194
2,993,013
2,993,014
2,993,869
2,993,870
2,993,871
2,994,670
2,995,530
2,997,448
2,998,396
2,999,822
2,999,823
3,000,839
3,001,954
3,001,955
3,001,956
3,002,937
3,003,977
3,004,933
3,004,934
3,004,935
3,006,868
3,006,869
3,006,870
2.5: 3,006,871
3,007,883
3,007,884
3,009,888
3,010,916
3,012,977
3,013,996
3: 3,006,872
3.3: 2,976,256
4: 2,968,637
2,991,258
3,002,938
5: 2,979,470
3,006,873
3,011,984
6: 3,002,939
3,007,885
3,010,917
7: 3,008,907
7.5: 2,975,147
8: 2,993,872
3,000,840
3,004,936
3,005,787
3,005,788
3,011,985
9: 2,993,015
14: 2,976,257
2,986,538
15: 2,993,016
3,003,978
3,004,937
16: 2,970,970
2,988,524
2,989,491
17: 2,979,471
2,989,492
2,990,382
2,993,017
2,994,671
2,994,672
2,996,461
2,998,397
3,003,979
3,004,938
3,010,918
3,012,978
17.2: 2,967,836
2,970,121
2,977,331
3,010,919
17.3: 2,972,587
3,009,889
17.4: 2,972,588
2,978,421
2,978,422
2,993,018
2,996,462
3,001,957
3,002,940
3,011,986
17.5: 3,006,874
18: 2,967,161
2,967,837
2,970,122
2,970,971
2,970,972
2,972,589
2,972,590
2,977,332
2,981,701
2,982,743
2,982,744
2,983,693
2,983,694
2,984,632
2,986,539
2,986,540
2,990,383
2,992,195
2,992,196
2,994,673
2,994,674
2,995,531
2,998,398
2,999,076
2,999,077
2,999,824
2,999,825
2,999,826
3,001,958
3,001,959
3,001,960
3,002,941
3,003,980
3,007,886
3,008,908
3,008,909
3,010,920
3,010,921
3,011,987
3,012,979
3,014,881

Class 260—Con.

19: 2,967,838
2,967,839
2,978,423
2,978,424
2,981,702
2,985,600
2,987,490
2,995,532
20: 2,977,333
2,981,703
21: 2,967,162
2,968,638
2,971,929
2,971,930
2,971,931
2,978,425
2,980,636
2,980,637
2,981,704
2,982,745
2,986,541
2,986,542
2,996,463
3,010,922
22: 2,967,163
2,967,840
2,967,841
2,969,335
2,969,336
2,969,337
2,969,338
2,970,123
2,970,973
2,971,932
2,973,331
2,974,112
2,979,472
2,979,473
2,979,474
2,980,638
2,981,705
2,981,706
2,981,707
2,981,708
2,982,746
2,982,747
2,982,748
2,983,695
2,985,601
2,985,602
2,985,603
2,986,543
2,987,491
2,990,384
2,990,385
2,991,259
2,991,260
2,992,197
2,993,873
2,998,399
2,999,078
3,001,961
3,001,962
3,002,942
3,004,939
3,005,789
3,005,790
3,006,875
3,006,876
3,008,910
3,012,980
23: 2,967,164
2,967,165
2,967,166
2,969,339
2,970,124
2,971,933
2,972,591
2,975,148
2,975,149
2,979,475
2,982,749
2,983,696
2,984,633
2,984,634
2,985,604
2,985,605
2,985,606
2,987,492
2,989,493
2,990,386
2,990,387
2,990,388
2,990,389
2,992,198
2,992,199
2,994,675
2,995,533
2,995,534
2,996,464
2,999,827
3,000,841
3,001,963
23: 3,002,943
3,008,911
3,009,890
3,010,923
3,010,924
3,010,925
3,013,997
3,013,998
3,013,999
3,014,882
23.5: 2,995,535
23.7: 2,970,125
2,978,426
2,981,709
2,985,607
2,985,608
2,991,261
3,002,944
3,009,891
24: 3,003,981
3,006,877
25: 2,988,525
2,995,536
26: 2,973,332
2,982,750
27: 2,970,974
2,970,975
2,972,592
2,975,150
2,977,334
2,980,639
2,991,262
2,993,874
2,995,537
28: 2,996,466
28.5: 2,969,340
2,971,934
2,974,113
2,978,427
2,979,476
2,980,640
2,988,526
2,988,527
2,988,528
2,989,494
2,992,200
2,993,019
2,996,467
2,999,828
3,001,964
3,001,965
3,002,945
3,003,982
3,010,926
3,010,927
3,010,928
3,012,981
3,014,000
3,014,001
3,014,002
3,014,003
29.1: 2,992,201
3,002,946
3,006,878
29.2: 2,970,976
2,980,641
2,982,751
2,989,495
3,003,983
3,003,984
3,003,985
29.3: 2,981,710
2,996,468
3,004,941
3,006,879
29.4: 2,979,477
2,994,676
3,005,792
3,006,880
29.6: 2,971,935
2,974,114
2,978,428
2,984,635
2,985,609
2,987,493
2,988,529
2,997,449
2,998,400
2,999,829
2,999,830
3,000,842
3,003,986
3,003,987
3,006,881
3,007,887
3,009,892
3,010,929
3,011,985
3,014,004
29.7: 2,975,151
2,986,544
29.7: 2,993,020
2,994,677
2,996,469
2,996,470
3,004,942
3,004,943
3,014,040
29.8: 3,012,982
30.2: 2,993,021
3,000,843
3,004,944
3,009,893
30.4: 2,985,610
2,989,496
2,990,391
3,000,844
3,011,989
30.6: 2,979,478
3,000,845
30.8: 2,970,977
2,978,429
2,984,636
2,985,611
2,987,494
2,994,678
3,004,945
3,012,983
31.2: 2,981,711
2,982,752
2,990,392
3,005,793
3,008,912
3,012,984
31.6: 2,975,152
2,980,642
3,010,930
31.8: 2,978,430
2,980,643
2,984,637
2,984,638
2,985,612
2,986,545
2,988,530
3,004,946
3,004,947
3,011,990
32.4: 2,974,115
2,976,258
2,984,639
3,009,894
3,010,931
3,011,991
3,011,992
32.6: 2,973,333
2,982,753
2,991,263
2,991,264
2,991,265
2,993,022
3,008,913
3,010,932
32.8: 2,977,335
2,981,712
2,998,401
3,009,895
33.2: 2,978,431
2,993,023
33.4: 2,970,126
2,982,754
2,984,640
2,995,538
2,996,471
3,004,948
3,008,914
3,009,896
33.6: 2,970,978
2,973,334
2,994,679
2,996,472
2,999,831
3,003,988
3,011,993
3,012,985
3,014,883
33.8: 2,967,842
2,968,639
37: 2,967,843
2,973,335
2,977,336
2,979,479
2,982,755
2,983,697
2,991,266
2,993,024
2,997,450
2,998,402
2,999,832
3,002,947
3,003,989
3,005,794
3,006,882
3,007,888
38: 2,970,127
2,973,336
38: 2,985,613
2,986,546
2,987,495
2,991,267
2,999,079
2,999,833
3,002,948
3,003,990
3,007,889
3,007,890
3,008,915
3,014,884
39: 2,983,698
40: 2,974,116
2,981,713
2,987,496
2,999,080
2,999,834
3,003,991
3,007,891
3,007,892
3,010,933
3,011,994
41: 2,967,845
2,967,846
2,967,847
2,967,848
2,967,849
2,967,850
2,979,480
2,984,641
2,986,547
2,991,268
2,993,875
2,996,473
2,997,451
2,997,452
3,000,846
3,007,893
3,008,916
3,011,995
3,014,885
41.5: 2,967,167
2,968,640
2,970,128
2,972,593
2,972,594
2,974,117
2,975,153
2,979,481
2,980,644
2,983,699
2,984,642
2,992,202
3,000,847
3,011,996
3,014,005
42: 2,967,168
2,983,700
2,983,701
2,993,025
2,993,026
2,996,474
2,999,835
2,999,836
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3,001,966
3,002,949
3,011,997
43: 2,968,641
2,971,936
2,985,614
2,987,497
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2,988,531
2,999,081
3,006,883
3,014,006
3,014,886
45: 2,978,432
45.2: 2,978,433
3,011,998
3,012,986
3,014,007
45.4: 2,973,337
2,974,118
2,983,702
2,984,643
2,985,615
2,985,616
2,987,499
2,988,532
2,996,475
2,996,476
2,998,403
3,000,849
3,001,967
3,002,950
3,003,992
3,007,894
3,008,917
3,009,897
3,010,934
3,011,999
3,012,987
45.5: 2,969,341
2,970,129
2,970,979
2,971,937
2,971,938
2,971,939
2,973,338
2,974,119
2,977,337
2,983,705
2,983,704
2,984,644
2,987,500
2,987,501
2,990,393
2,991,269
2,991,270
2,992,203
2,992,204
2,993,027
2,993,028
2,993,876
2,993,877
2,994,680
2,994,681
2,994,682
2,994,683
2,995,539
2,997,453
3,003,993
3,005,795
3,005,796
3,006,889
3,008,918
3,008,919
3,008,920
3,009,898
3,010,935
3,010,936
3,012,000
3,012,001
3,012,002
3,014,008
3,014,887
45.7: 2,970,980
2,978,434
2,981,714
2,981,715
2,981,716
2,982,756
2,983,706
2,985,617
2,988,404
2,999,837
2,999,838
3,000,850
3,001,968
3,003,994
3,010,937
3,012,003
3,012,004
3,012,005
45.75: 2,968,642
2,970,981
2,971,940
2,971,941
2,972,595
2,972,596
2,979,482
2,980,645
2,984,647
2,985,620
2,985,621
2,988,534
2,989,499
2,990,395
2,997,456
3,001,969
3,003,998
3,003,999
3,004,000
3,004,949
3,006,884
3,006,885
3,006,886
3,009,900
45.8: 2,967,169
2,974,120
2,983,705
2,984,645
2,985,618
2,988,533
2,989,497
2,990,394
2,992,205
2,995,540
2,997,454
2,998,405
3,003,995
3,007,895
3,014,888
45.85: 2,969,342
2,972,597
2,980,646
2,980,647
45.85: 2,980,648
2,981,717
2,983,708
2,983,709
2,986,548
2,986,549
2,996,478
2,999,840
45.9: 2,967,851
2,967,852
2,983,707
2,984,646
2,985,619
2,991,271
2,996,477
2,997,455
2,999,839
3,000,851
3,000,852
3,003,996
3,008,921
3,009,899
3,010,938
3,010,939
3,014,889
45.95: 2,967,853
2,969,343
2,976,259
2,976,260
2,983,710
2,984,648
2,991,272
2,999,841
2,999,842
2,999,843
3,000,853
3,000,854
3,000,855
3,000,856
3,000,857
3,001,970
3,004,001
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3,000,978
3,002,028
3,002,029
3,008,999
653: 2,971,990
2,972,637
2,992,280
3,002,030
653.1: 2,969,403
2,972,638
2,975,220
2,978,519
2,983,764
3,002,031
653.3: 2,970,176
2,979,539
2,980,739
2,981,761
2,985,690
2,994,723
3,000,979
3,002,032
653.4: 2,996,555
653.5: 2,996,556
3,009,966
653.6: 2,992,281
3,003,003
653.7: 2,981,762
653.8: 2,972,639
2,980,740
2,981,763
3,006,973
654: 2,973,393
2,979,540
2,979,541
2,979,542
2,989,570
2,991,316
2,999,887
3,003,004
3,009,967
655: 2,984,690
2,999,888
3,009,968
656: 2,981,764
3,006,974
658: 3,000,980
3,002,033
3,012,080
3,012,081
660: 2,997,508
664: 2,969,404
2,989,571
665: 2,985,691
2,985,692
2,987,558
2,999,889
3,009,000
666: 2,967,895
2,971,034
2,972,640
2,974,176
2,974,177
2,979,543
2,979,544
2,979,545
2,990,430
2,991,317
2,991,318
2,993,938
2,994,724
2,999,890
3,000,981
3,000,982
3,004,080
3,004,081
3,004,082
3,007,976
3,007,977
3,007,978
3,009,001
3,009,969
3,011,003
666.5: 2,975,221
667: 2,967,204
2,968,681
2,979,546
2,990,431
3,000,983
3,009,002

668: 2,969,405
2,976,331
2,976,332
2,977,395
2,979,547
2,980,741
2,981,765
2,984,691
2,984,692
2,987,559
2,988,575
2,988,576
2,991,319
2,993,939
2,994,725
2,994,726
2,995,610
2,998,463
2,999,120
3,000,984
3,000,985
3,002,034
3,013,088
669: 2,971,991
2,973,394
2,976,333
2,976,334
2,990,432
2,990,433
2,999,891
3,006,975
670: 2,969,406
3,009,970
671: 2,971,992
2,972,641
2,972,642
2,976,335
2,992,282
2,995,611
3,000,986
3,006,976
3,009,003
3,014,081
672: 2,982,793
3,006,977
3,009,004
673: 2,972,643
2,992,283
3,005,855
673.5: 2,971,035
2,972,644
2,983,765
2,985,693
2,987,560
2,990,434
3,000,987
3,002,035
3,002,036
3,013,089
3,013,090
674: 2,974,178
2,976,336
2,978,520
2,979,548
2,980,742
2,981,766
2,983,766
2,983,767
2,983,768
2,983,769
2,985,694
2,986,587
2,989,572
2,990,435
2,999,892
3,003,005
3,003,006
3,005,032
3,007,979
3,013,091
3,013,092
675: 2,967,896
676: 2,974,179
2,975,222
2,988,577
3,003,007
3,007,980
3,009,971
3,014,082
677: 2,968,682
2,970,177
2,971,993
2,980,743
2,981,767
2,981,768
2,981,769
2,983,770
2,992,284
3,000,988
3,003,008
3,005,856
3,007,981
3,014,973
678: 2,973,395

679: 2,967,205
2,970,178
2,974,180
2,978,521
2,982,794
2,983,771
2,985,695
2,998,464
2,998,465
2,998,466
3,000,989
3,005,857
680: 2,976,337
2,978,522
2,982,795
2,985,696
2,989,573
2,991,320
2,991,321
2,991,322
2,996,557
3,004,083
3,012,082
681: 2,967,897
2,972,645
2,977,396
2,993,940
2,997,509
3,004,084
3,009,005
681.5: 2,969,407
2,971,036
2,972,646
2,973,396
2,982,796
2,983,772
2,985,697
3,004,085
683: 2,968,683
2,971,994
2,972,647
2,985,698
3,000,990
683.15: 2,967,206
2,969,408
2,970,179
2,976,338
2,978,523
2,979,549
2,980,744
2,981,770
2,982,799
2,986,588
2,990,436
2,993,941
2,993,942
3,004,086
3,004,087
3,005,033
3,009,972
683.2: 2,988,578
2,994,727
683.3: 2,971,995
2,982,797
2,982,798
2,988,579
683.42: 2,972,648
2,974,182
2,984,693
3,004,088
683.43: 2,990,437
683.44: 2,986,589
2,989,574
683.46: 3,000,991
3,007,982
3,007,983
683.48: 2,977,397
2,995,612
3,004,089
683.53: 2,971,037
2,972,649
2,975,223
2,978,524
2,982,800
2,987,561
2,987,562
3,000,992
3,002,037
3,002,038
3,014,083
683.57: 2,968,684
2,982,801
3,000,993
683.59: 2,986,590
683.61: 2,967,208
3,000,994
683.62: 2,981,771
2,983,773
2,988,580
3,005,034
3,007,984
3,013,093
683.63: 2,981,772

683.65: 2,967,207
2,982,802
3,007,985
683.66: 2,972,650
683.67: 3,005,035
683.68: 2,982,803
683.7: 2,974,181
683.74: 2,983,774
3,000,995
683.75: 2,983,775
2,985,699
2,992,285
2,998,467
683.76: 2,987,563
683.9: 3,003,009
707: 2,981,773
708: 2,996,558
762: 3,003,010
3,013,094
765: 2,969,409
788: 2,971,038
800: 2,998,468
810: 2,984,694

Class 261

3: 2,981,525
3,011,769
4: 2,969,963
5: 2,979,312
16: 2,970,821
2,988,341
3,009,687
3,014,705
18: 2,993,683
19: 2,986,378
21: 2,984,463
23: 2,967,697
2,968,473
2,973,947
2,983,491
2,988,342
2,991,052
2,991,053
2,992,814
3,005,625
3,006,616
3,013,777
3,013,778
25: 2,988,343
2,990,165
26: 2,991,054
28: 2,986,379
29: 2,984,464
30: 2,976,026
2,998,230
34: 2,983,492
2,989,292
2,991,984
2,993,684
2,998,231
3,001,772
3,008,697
3,013,779
36: 2,977,099
2,991,055
2,998,232
3,001,773
3,003,753
37: 2,984,465
2,987,303
3,003,754
39: 2,969,964
2,969,965
2,977,100
2,977,101
2,986,380
2,988,344
2,989,293
2,995,348
2,998,233
3,001,774
3,006,617
3,006,618
3,007,682
3,011,770
41: 2,970,822
2,986,381
2,991,985
2,995,349
2,995,350
3,006,619
3,007,683
42: 2,977,102
44: 2,987,304
46: 2,968,474
2,991,986
47: 2,971,749
50: 2,988,345
2,991,056
2,999,674
3,006,620
53: 2,967,049
61: 2,980,408
62: 2,994,517

64: 2,984,466
3,005,626
66: 2,988,346
69: 2,984,467
3,006,621
3,007,684
3,009,688
71: 3,003,755
72: 2,982,526
76: 2,967,698
2,991,057
2,996,289
78: 2,996,290
79: 2,984,468
3,006,622
84: 3,013,780
88: 3,007,685
92: 2,967,050
2,970,823
2,970,824
94: 2,979,313
2,979,314
2,979,315
99: 2,997,282
100: 3,010,706
108: 3,000,619
109: 2,983,493
110: 2,983,494
3,006,623
111: 2,971,750
2,977,103
112: 2,983,495
3,013,781
113: 2,998,234
114: 2,967,699
2,973,189
2,979,316
2,982,527
3,013,782
115: 2,974,936
2,997,283
121: 2,981,526
122: 2,978,234
2,997,284
124: 2,986,382
2,986,383
2,997,285
130: 2,982,528
140: 2,967,700
141: 2,988,347
142: 2,967,051
144: 2,970,825
145: 2,995,351

Class 262

1: 2,967,701
2,973,948
2,989,294
2,990,166
3: 2,967,052
2,969,226
2,970,826
2,974,937
2,979,317
2,991,987
3,001,775
3,001,776
3,010,707
3,012,764
5: 2,990,167
2,995,352
6: 3,005,627
7: Re.24,965
2,976,027
2,978,235
2,979,318
2,982,529
2,984,469
2,984,470
2,988,348
2,991,058
2,991,059
2,993,685
2,998,964
3,004,753
8: 2,990,168
2,991,988
2,998,965
9: 2,973,949
2,978,236
2,980,409
2,986,385
3,001,777
3,006,624
3,008,698
3,010,708
3,013,783
3,013,784
3,014,706
13: 2,983,496
14: 2,969,966

19: 2,970,827
2,979,319
2,986,384
3,000,620
3,007,686
20: 2,973,950
2,974,938
3,001,778
3,007,687
3,007,688
26: 2,979,320
27: 2,981,527
2,984,471
3,014,707
29: 3,002,732
30: 2,998,235
33: 2,976,028
2,989,295
2,996,291
3,010,709

Class 263

2: 2,972,474
2,973,190
3,011,771
3: 2,979,321
2,980,410
2,980,411
2,983,497
2,988,349
2,991,989
2,998,966
2,999,675
3,002,733
6: 2,978,237
2,983,498
2,984,472
2,984,473
2,985,437
2,986,386
2,987,305
2,988,350
3,006,625
7: 2,977,104
2,978,238
3,004,754
3,009,689
8: 2,981,528
2,986,387
2,994,518
3,010,710
11: 2,991,060
12: 2,980,412
15: 2,983,499
2,994,519
19: 2,972,475
2,983,500
2,985,438
2,994,520
2,996,292
2,999,676
3,001,779
3,006,626
3,007,689
3,009,690
20: 2,969,967
21: 2,977,105
2,985,439
2,997,286
28: 2,982,530
2,993,686
29: 2,994,521
3,003,756
30: 2,991,061
31: 3,002,734
3,009,691
32: 2,970,828
2,971,751
2,978,239
2,980,413
2,993,687
33: 2,969,227
2,973,191
2,974,939
2,978,240
2,982,531
2,983,501
2,991,990
3,007,690
3,008,699
3,012,765
3,013,785
40: 2,967,702
2,979,322
2,983,502
2,988,351
2,998,236
3,002,735
3,009,692
41: 2,982,532
2,994,522
42: 3,001,780
43: 2,973,192

47: 2,979,323
2,981,529
2,981,530
2,998,967
3,001,781
3,012,766
49: 3,008,700
50: 2,977,106
2,998,968
52: 2,970,829
2,971,752
2,971,753
2,987,306
2,993,688
3,002,736
53: 2,981,531
2,991,062
2,994,523
3,003,757
3,013,786

Class 265

43: 2,967,703
47: 2,969,968
49: 2,973,193
63: 2,969,228
68: 2,969,229
71: 2,968,475
73: 2,974,940

Class 266

4: 2,974,941
2,977,107
2,991,991
2,996,293
2,998,237
5: 2,971,754
2,980,415
2,984,474
3,014,708
9: 2,974,942
13: 3,014,709
21: 2,976,029
2,981,532
2,982,533
2,985,440
2,987,307
2,997,287
23: 2,990,169
2,995,353
3,002,737
3,013,787
24: 2,969,969
3,011,772
27: 3,010,711
30: Re.24,944
2,973,194
2,980,416
2,997,288
3,002,738
31: 2,995,354
33: 2,989,296
2,989,297
34: 2,985,441
2,991,063
2,996,294
2,997,289
3,007,691
3,010,712
3,011,773
3,013,788
35: 2,977,108
3,002,739
36: 3,005,628
3,013,789
37: 2,969,970
38: 2,970,830
2,982,534
3,008,701
39: 2,982,535
3,000,621
42: Re.24,936
43: 2,985,442

Class 267

1: Re.25,027
2,967,704
2,968,476
2,968,477
2,969,971
2,969,972
2,969,973
2,974,943
2,974,944
2,977,109
2,978,241
2,981,533
2,982,536
2,982,537
2,983,503
2,985,443
2,987,308

Class 267—Con.

1: 2,987,309
2,989,298
2,989,299
2,991,064
2,991,992
2,993,689
2,994,524
2,996,295
2,998,238
3,000,622
3,002,740
3,007,692
3,008,702
3,008,703
3,010,713
3,011,774
3,011,775
3,013,790
3,013,791
3,013,792
3,013,793
3,014,710
3,014,711
2: 2,999,677
8: 2,981,534
2,992,815
2,999,678
3,002,741
3,005,629
3,010,714
3,013,794
9: 2,974,945
2,979,324
2,981,535
2,981,536
11: 2,998,239
3,001,782
15: 2,970,831
2,970,832
2,973,195
2,976,031
2,977,110
2,985,444
2,997,290
2,998,240
3,000,623
16: 2,969,230
2,990,170
19: 2,991,065
2,998,970
21: 3,004,755
3,012,767
23: 2,969,974
25: 2,988,352
30: 2,973,951
2,973,952
2,979,325
2,991,993
31: 2,984,475
2,989,300
33: 2,980,417
34: 2,980,418
2,989,301
3,001,783
3,003,758
35: 2,984,476
38: 3,002,742
45: 2,973,196
47: 2,993,690
49: 2,999,679
53: 2,984,477
2,986,388
56: 2,983,504
2,986,389
57: 2,983,505
2,998,241
57.1: 2,981,537
3,006,627
58: 3,014,712
60: 2,991,066
3,014,713
61: 2,998,242
63: 2,973,953
2,984,478
3,011,776
3,012,768
64: 2,968,478
2,974,946
2,976,032
2,977,111
2,982,538
2,984,479
2,987,310
2,987,311
2,987,312
2,991,067
2,991,068
2,992,816
2,992,817
2,997,291
2,998,243
2,999,680
3,002,743
64: 3,006,628
3,007,693
3,007,694
3,011,777
3,011,778
3,012,769
3,012,770
65: 2,969,975
2,973,954
2,973,955
2,979,326
2,983,506
2,985,445
2,988,353
2,993,691
2,995,355
2,998,244
2,999,681
2,999,682
3,000,624
3,000,625
3,001,784
3,010,715
3,014,714
71: 2,982,539
99: 3,006,629
107: 2,998,971
110: 3,013,795
112: 3,009,693

Class 268

19: 2,991,069
2,994,525
20: 3,004,756
23: 2,981,538
30: 2,989,302
48: 2,989,303
49: 2,992,818
53: 2,998,245
59: 2,992,819
62: 3,011,779
65: 2,971,755
66: 3,006,630
72: 2,982,540
3,007,695
74: 2,982,541
2,985,446
2,985,447
2,999,683
3,004,757
118: 2,969,976
2,996,296
121: 2,978,242
3,000,626
124: 2,969,977
2,979,327
2,998,246
3,006,631
3,014,715
125: 2,989,304
128: 2,979,328
3,014,716

Class 269

78: 3,007,358
90: 3,009,694
102: 2,986,390
2,995,356
107: 2,990,171
112: 2,997,292
3,000,627
115: 2,991,070
3,002,744
3,006,632
116: 2,990,172
117: 3,003,759
128: 2,967,053
133: 2,973,956
2,991,994
134: 2,995,357
140: 2,980,419
2,988,354
141: 2,980,420
142: 2,971,756
145: 2,972,476
153: 2,987,313
163: 2,971,757
166: 3,011,780
170: 2,974,947
185: 2,969,231
2,976,033
187: 3,002,745
189: 2,968,479
2,970,833
2,976,034
2,976,035
2,998,247
3,014,717
190: 2,973,197
191: 2,973,198
2,985,448
2,994,526
3,012,771
192: 2,981,539
2,999,684
198: 3,012,772
203: 3,008,704
205: 3,000,628

Class 270

1: 2,973,199
5: Re.24,948
31: 2,980,421
50: 2,985,449
2,991,995
52: 2,990,173
3,006,633
54: 3,008,705
56: 3,008,706
58: 2,972,477
2,982,542
2,986,391
2,991,996
2,993,692
2,997,293
2,997,294
2,998,972
3,002,746
3,004,758
3,009,695
60: 2,982,543
62: 2,997,295
68: 2,969,232
2,989,305
2,991,071
3,005,630
3,008,707
69: Re.24,979
Re.24,980
Re.25,009
2,969,233
2,993,693
71: 2,991,072
73: 3,006,634
77: 2,981,540
80: 2,969,234
81: 2,974,948
82: 3,003,760
85: 2,969,978
86: 2,997,296
2,999,685
3,001,785

Class 271

2: 2,988,355
3: 2,995,358
4: 2,988,356
5: 2,967,054
2,969,979
2,973,200
2,976,036
2,982,544
2,983,507
2,989,306
3,008,708
8: 3,012,773
9: 2,984,480
3,013,796
10: 2,996,297
3,008,709
11: 2,977,113
2,999,686
12: 2,973,201
18: 2,973,959
2,974,949
2,999,687
26: 2,967,705
2,970,834
2,976,037
2,984,481
2,986,392
2,995,359
3,000,629
27: 2,995,360
3,005,631
29: 2,979,329
2,991,073
2,991,074
3,002,747
30: 3,006,635
3,009,690
32: 2,977,114
2,995,361
36: 2,979,330
2,995,362
37: 3,012,774
39: 2,968,480
2,992,820
41: 2,991,075
3,002,748
42: 2,998,248
43: 2,969,235
44: 2,974,950
3,001,786
3,010,716
46: 2,979,331
2,984,482
2,986,393
49: 3,001,787
51: 2,974,951
2,995,363
3,006,636
52: 2,995,364
3,012,775
53: 2,974,952
2,977,115
2,992,821
2,995,365
54: 2,994,527
3,002,749
56: 2,994,528
3,002,750
3,007,696
3,007,697
57: 2,973,202
2,982,545
2,991,997
2,992,822
2,997,297
58: 2,984,483
3,001,788
59: 2,974,953
2,986,394
60: 2,976,038
3,002,751
3,006,637
61: 3,005,632
62: 2,968,481
2,970,835
2,980,422
2,989,307
2,997,298
3,006,638
64: 3,000,630
3,000,631
3,009,697
68: 2,969,980
2,991,998
2,994,529
3,006,639
71: 2,970,836
2,982,546
74: 2,973,960
2,987,314
82: 2,969,981
2,981,541
2,988,357
86: 2,991,999
2,995,366
87: 3,006,640
3,007,698
3,010,717
88: 2,977,116
2,990,174
3,001,789
3,006,641
3,008,710
89: 2,992,823

Class 272

1: 2,991,076
2,997,299
3,003,761
3,009,698
3,010,718
8: 2,974,954
2,976,039
2,983,508
15: 3,011,781
18: 3,002,752
21: 3,013,797
28: 2,988,358
29: 3,002,753
30: 2,973,961
2,987,315
2,995,367
31: 2,967,706
2,968,482
2,977,117
2,998,249
3,014,718
3,014,719
32: 3,003,762
33: 2,978,243
2,995,368
2,999,688
34: 3,006,642
36: 2,983,509
2,989,308
40: 2,992,824
51: 2,971,758
2,995,369
52: 2,968,483
2,978,244
2,978,245
2,993,530
2,996,298
54: 2,970,837
56: 3,010,719
56.5: 2,982,547
57: 3,011,782
58: 3,000,632
3,005,633
3,006,643
3,012,776
3,012,777
59: 2,989,309
2,997,300
3,006,644
3,012,778
60: 2,977,118
3,006,645
3,008,711
61: 2,991,077
66: 2,977,119
2,998,250
3,003,763
67: 2,973,962
3,006,646
68: 2,994,530
3,003,764
70.1: 2,985,450
73: 2,972,478
74: 2,980,423
2,995,370
3,013,798
79: 3,013,799
81: 2,973,203
2,977,120
3,003,765
3,007,699
3,010,720

Class 273

1: 2,985,451
2,994,531
2,995,371
2,998,973
3,007,700
3,008,712
3,008,713
3,011,783
3,012,779
3,012,780
1.5: 2,986,395
3,012,781
26: 2,976,040
2,976,041
2,978,246
2,985,452
3,001,790
3,006,647
3,011,784
30: 3,001,791
39: 2,999,689
41: 2,990,175
42: 2,969,236
3,014,720
43: 2,967,707
2,967,708
2,972,479
2,973,204
2,973,963
2,974,955
2,977,121
2,977,122
2,979,332
2,980,421
2,980,425
2,982,548
2,983,510
2,990,176
2,991,078
2,992,000
2,994,532
2,997,301
2,999,690
3,002,754
3,004,759
3,004,760
3,004,761
3,009,699
3,011,785
3,014,721
3,015,049
44: 2,967,055
2,999,691
49: 2,969,982
2,979,333
2,992,825
3,012,782
51: 2,969,983
2,971,759
2,990,177
2,992,001
3,014,722
53: 2,992,826
3,001,792
54: 2,978,247
2,980,426
2,984,484
2,990,178
54: 2,992,827
2,994,533
3,000,633
55: 2,967,709
2,984,485
2,986,396
2,993,694
2,994,534
3,011,786
63: 2,968,484
2,973,205
2,979,334
2,983,511
2,991,079
3,001,793
3,004,762
3,012,783
64: 2,996,299
3,012,784
67: 2,987,316
2,987,317
72: 2,967,710
2,983,512
2,984,486
73: 2,969,984
2,971,760
80: 2,991,080
2,992,828
80.5: 2,993,695
82: 2,968,485
2,973,206
2,988,359
85: 2,981,542
2,998,974
86: 3,011,787
87: 2,995,372
90: 2,980,427
93: 2,998,975
95: 2,982,549
2,992,002
2,993,696
3,002,755
3,007,701
3,009,700
96: 2,972,480
3,009,701
3,010,721
3,011,788
3,012,785
97: 2,978,248
2,999,692
98: 2,967,711
2,977,123
99: 3,009,702
100: 2,981,543
2,998,976
101: 3,009,703
102: 2,990,179
3,014,723
102.1: 2,967,712
2,992,003
2,992,004
3,008,714
102.2: 2,973,964
3,004,763
3,005,634
3,006,648
102.3: 2,971,761
105: 2,988,360
105.1: 3,014,724
105.3: 3,000,634
105.6: 3,014,725
106: 2,972,481
2,982,550
106.5: 2,970,838
2,970,839
2,976,042
2,976,043
2,989,310
2,993,697
2,995,373
3,000,635
3,006,649
3,012,786
108: 3,003,766
109: 3,005,635
3,008,715
110: 3,008,716
113: 2,969,237
118: 2,969,985
3,002,756
119: 2,967,713
120: 2,988,361
2,991,081
122: 3,008,717
126: 2,986,397
2,990,180
3,008,718
127: 3,001,794
128: 2,998,251
3,014,726
129: 2,974,956
130: 2,967,714
131: 2,982,551
132: 2,974,957
134: 2,970,840
2,976,044
2,990,181
2,995,374
135: 2,976,045
3,011,789
3,012,787
3,014,727
136: 2,969,238
138: 3,003,767
139: 2,984,487
143: 2,998,252
3,011,790
144: 3,008,719
145: 2,985,453
3,010,722
149: Re.24,986
156: 3,013,800
157: 2,984,488
2,984,489
2,987,318
2,992,829
3,010,723
158: 2,998,253
161: 2,996,300
162: 2,976,046
2,979,335
2,995,375
164: 2,991,082
171: 2,998,254
173: 2,968,486
174: 3,002,757
175: 3,003,768
176: 2,974,958
3,000,636
177: 2,974,959
2,988,362
179: 2,991,083
3,003,769
3,009,704
3,011,791
180: 2,987,319
181: 2,986,398
2,988,363
3,001,795
3,013,801
183: 2,992,005
185: 2,988,364
186: 2,995,376
201: 3,003,770
225: 2,998,977
235: 2,997,302

Class 274

1: 2,982,552
2,983,513
2,984,490
2,998,255
3,007,702
2: 2,973,207
4: 2,971,762
2,973,965
2,974,960
2,990,182
2,994,535
2,994,536
3,006,650
3,007,703
9: 2,967,715
2,974,961
2,977,124
2,983,514
2,988,365
2,989,311
3,004,764
3,008,720
10: 2,969,239
2,969,240
2,971,763
2,972,482
2,973,966
2,974,962
2,976,047
2,978,249
2,979,336
2,979,337
2,981,953
2,982,553
2,983,515
2,984,491
2,984,492
2,987,320
2,989,312
2,992,006
2,994,537
2,997,303
2,997,304
3,000,637
3,002,758
3,003,771
3,005,636
3,007,704
3,008,721

10: 3,009,705
3,010,724
3,012,788
3,012,789
3,013,802
3,014,728
11: 2,973,967
2,990,184
13: 2,976,048
2,990,185
3,000,638
14: 2,969,241
2,977,125
2,986,399
15: 2,982,554
2,989,313
16: 2,976,049
20: 2,970,841
21: 3,007,705
23: 2,972,483
2,972,484
2,977,126
2,983,516
2,983,517
2,993,698
2,997,305
3,003,772
3,006,651
3,006,652
3,011,792
36: 2,988,366
37: 2,980,428
2,983,518
3,000,639
3,002,759
3,009,706
38: 2,992,007
39: 2,980,429
3,010,725
42: 2,997,306
3,000,640
3,009,707
46: 2,969,242
47: 2,977,127

Class 275

1: 3,011,793
2: 2,974,963
3,000,641
3: 2,988,367
3,004,765
3,005,637
4: 3,010,726
6: 2,969,986
3,008,722
3,014,729
7: 2,980,430
2,993,699
3,010,727
8: 2,967,056
2,969,987
2,980,431
2,982,555
2,988,368
2,989,314
3,013,803
12: 2,971,764
2,992,008
14: 2,990,186

Class 276

9: 3,009,708

Class 279

1: 2,972,485
2,991,084
2,993,700
2: 2,970,842
2,970,843
2,972,486
2,984,493
2,985,454
2,987,321
3,010,728
3: 2,998,256
3,004,766
4: 2,971,765
2,974,964
2,980,432
2,985,455
3,006,653
5: 2,972,487
2,998,257
6: 2,984,494
7: 2,984,495
9: 2,980,433
14: 3,012,790
16: 2,968,487
2,981,544
2,991,085
19: 2,982,556
3,010,730

19.5: 2,990,187
19.6: 3,003,773
23: 3,006,654
24: 2,968,488
41: 2,981,545
2,998,258
42: 2,989,315
46: 2,996,301
48: 2,968,489
2,978,250
50: 2,989,316
2,994,538
2,998,259
51: 2,985,456
2,992,830
2,994,539
53: 3,008,723
57: 2,982,557
62: 3,000,642
71: 3,012,791
74: 3,013,804
75: 2,970,844
2,990,188
76: 2,969,243
2,997,307
3,011,794
83: 2,974,965
2,974,966
89: 2,974,967
93: 2,985,457
97: 2,990,189
2,996,302
102: 2,989,317
103: 3,004,767
104: 2,983,519
106: 2,974,968
2,980,434
2,985,458
3,005,638
110: 2,977,128
2,984,496
2,985,459
2,994,540
114: 2,993,701
3,012,792
119: 2,985,460
123: 2,974,969
2,982,558

Class 280

1: 2,996,303
1.12: 3,005,639
1.13: 2,992,009
2,995,377
1.177: 2,992,831
1.181: 2,996,304
3,010,729
1.182: 2,982,559
1.21: 3,003,774
3: 2,994,541
5: 2,967,057
2,974,970
2,994,542
3,003,775
3,014,730
5.28: 2,981,546
2,982,560
6: 2,980,435
2,996,305
6.1: 3,008,724
7.11: 2,997,308
7.13: 2,985,461
2,998,260
7.15: 2,995,378
7.17: 2,986,400
8: 2,969,244
9: 3,010,731
11.11: 2,996,306
11.12: 2,988,369
11.13: 2,971,766
2,995,379
2,997,309
11.2: 3,000,643
3,003,776
3,008,725
3,009,709
11.24: 2,980,436
3,010,732
11.26: 3,007,706
11.35: 2,977,129
2,981,547
2,984,497
2,991,086
2,994,543
3,000,644
3,003,777
3,007,707
3,009,710
3,012,793
12: 2,971,767
3,003,778
12.14: 2,978,251
16: 3,014,731

19: 2,974,971
3,012,794
24: 2,982,561
2,992,832
2,997,310
3,013,805
29: 2,981,548
2,999,693
30: 2,967,058
2,990,190
31: 2,967,059
32.5: 3,003,779
33.99: 2,970,845
2,992,010
2,997,311
2,998,978
3,007,708
34: 2,996,307
35: 2,968,490
2,971,768
36: 2,967,060
2,969,988
2,982,562
2,986,401
2,992,011
3,007,709
39: 3,000,645
40: 2,970,846
41: 2,967,716
2,969,245
2,989,318
2,992,833
2,993,702
3,000,646
3,014,732
42: 3,007,710
43: 3,003,780
43.1: 3,014,733
43.11: 2,969,989
43.12: 2,993,703
43.13: 2,986,402
43.15: 2,967,061
43.17: 2,976,050
3,000,647
43.18: 3,001,796
43.19: 2,984,498
43.23: 2,974,972
2,994,544
3,002,760
3,009,711
3,012,795
43.24: 3,002,761
46: 3,001,797
47.18: 2,977,130
2,984,499
47.19: 2,983,520
2,985,462
2,992,012
3,008,726
47.24: 3,004,768
47.26: 2,984,500
2,989,319
47.3: 2,979,338
2,992,834
47.34: 2,968,491
2,989,320
3,005,640
47.35: 2,981,549
47.37: 2,972,488
78: 3,013,806
79.1: 2,971,769
2,990,191
3,013,807
79.2: 2,978,252
2,980,437
79.3: 2,980,438
81: 2,976,051
2,982,563
2,998,261
81.5: 3,002,762
87: 2,974,973
87.02: 2,988,370
87.04: 2,994,545
87.05: 2,998,979
91: 2,974,974
2,995,380
93: 2,982,564
95: 2,973,208
2,974,975
2,995,381
3,008,727
3,009,712
3,010,733
3,014,734
96.1: 2,971,770
2,996,308
2,998,262
3,002,763
96.2: 2,977,131
2,978,253
2,988,371
2,991,087
2,992,013
2,993,704
2,997,312

96.3: 2,987,322
104: 2,973,968
2,978,254
2,986,403
2,988,372
2,999,694
3,001,798
3,002,764
3,005,641
3,007,711
3,007,712
3,008,728
104.5: 2,971,771
2,980,439
2,988,373
2,999,695
3,000,648
3,003,781
3,006,655
3,007,713
3,011,795
3,013,808
3,014,735
106: 3,000,649
3,000,650
106.5: 2,997,313
3,011,796
111: 2,994,546
112: 2,967,062
2,976,052
2,978,255
2,993,705
2,996,309
2,998,263
2,998,980
3,003,782
3,006,656
3,008,729
3,013,809
3,014,736
116: 3,009,713
3,010,734
124: 2,967,063
2,967,064
2,967,065
2,967,066
2,967,717
2,968,492
2,969,246
2,969,990
2,970,847
2,970,848
2,971,772
2,972,489
2,973,969
2,974,976
2,976,053
2,976,054
2,977,132
2,977,133
2,977,134
2,978,256
2,980,440
2,980,441
2,981,550
2,981,551
2,983,521
2,984,501
2,986,404
2,988,374
2,988,375
2,988,376
2,988,377
2,988,378
2,988,379
2,989,321
2,989,322
2,991,088
2,992,014
2,992,015
2,992,835
2,992,836
2,992,837
2,993,706
2,993,707
2,995,382
2,995,383
2,996,310
2,996,311
2,997,314
2,998,264
2,998,265
2,998,266
2,998,981
3,000,651
3,001,799
3,002,765
3,003,783
3,003,784
3,005,642
3,006,657
3,007,714
3,007,715
3,007,716
3,011,797

124: 3,013,810
3,013,811
3,013,812
3,013,813
145: 2,990,192
150: 2,967,718
2,969,991
2,973,209
2,977,135
2,987,323
2,988,380
2,990,193
3,003,785
3,003,786
3,004,769
3,004,770
150.5: 2,976,055
2,981,552
2,990,194
2,992,016
3,003,787
3,007,717
3,008,730
152: 2,972,149
2,974,977
153: 2,977,136
154.5: 2,970,849
2,981,553
3,006,658
164: 2,979,340
2,981,554
179: 2,970,850
2,972,490
2,978,257
2,993,708
3,003,788
3,008,731
203: 3,013,814
204: 2,980,442
3,012,796
205: 2,971,773
218: 2,978,258
221: 3,006,659
226: 2,986,405
253: 2,986,406
267: 2,983,522
269: 2,995,384
277: 2,969,992
2,976,056
280: 2,968,493
287: 2,993,709
293: 2,976,057
296: 2,999,696
301: 2,988,381
400: 2,988,382
404: 3,011,798
405: 2,978,259
2,986,407
3,010,735
406: 2,982,565
2,996,312
3,000,652
3,006,660
3,011,799
407: 2,985,463
411: 3,003,789
412: 2,971,774
2,995,385
3,008,732
413: 2,976,058
414: 2,967,719
3,004,771
415: 2,968,494
3,003,790
3,004,772
423: 2,979,341
2,986,408
2,997,315
3,002,766
425: 2,967,720
2,967,721
426: 2,968,495
427: 2,998,267
432: 3,005,643
433: 2,969,993
2,973,210
2,981,555
3,000,653
3,000,654
434: 2,977,137
3,002,767
435: 2,982,566
3,013,815
438: 3,008,733
439: 2,968,496
444: 2,974,978
446: 2,971,775
3,004,773
447: 2,990,195
3,004,774
448: 2,987,324
450: 2,971,776
453: 3,013,816
456: 2,976,059

457: 2,998,982
461: 2,973,970
462: 3,014,737
467: 2,980,443
469: 2,974,979
474: 2,979,342
478: 2,970,851
2,973,971
2,988,383
3,008,734
479: 2,983,523
480: 2,988,384
481: 2,999,697
482: 3,011,800
3,014,738
485: 2,996,313
489: 3,014,739
491: 2,976,060
2,995,386
495: 2,978,260
502: 3,013,817
504: 2,993,710
506: 2,984,502
2,998,268
507: 3,012,797
509: 2,976,061
512: 2,971,777
2,982,567
2,987,325
3,009,714
515: 2,970,852
3,007,718
3,011,801

Class 281

11: 2,980,444
12: 3,003,791
15: 3,011,802
29: 2,995,387
33: 2,979,343
2,980,445
2,982,568
3,001,800
34: 3,002,768
3,009,715
44: 2,987,326
3,013,818

Class 282

1: 2,998,983
15: 3,004,775
22: 2,980,446
2,980,447
2,983,524
25: 2,983,525
2,987,327
29: 2,976,062
3,005,644

Class 283

6: 2,999,698
18: 2,990,196
58: 2,985,464
63: 2,990,197

Class 284

7: 2,996,314
18: 2,983,526
2,991,090
3,009,716
3,013,819
19: 2,968,497
2,972,491
3,000,655

Class 285

2: 2,996,315
3: 3,004,776
4: 2,996,316
6: 2,971,778
7: 2,973,972
8: 2,973,973
2,973,974
9: 2,990,198
12: 3,006,661
13: 3,001,801
19: 2,987,328
21: 2,992,838
22: 2,981,556
2,992,017
23: 3,011,803
32: 2,981,557
2,989,323
34: 2,969,994
35: 3,001,802
39: Re.25,062
3,002,769
42: 2,985,465
47: 2,980,448
48: Re.25,047

55: 2,997,316
2,998,984
61: 3,008,735
64: 3,004,777
81: 2,992,018
3,003,792
82: 3,014,740
83: 2,991,091
93: 2,985,466
94: 3,002,770
96: 2,983,527
104: 2,973,211
110: 2,980,449
2,991,092
2,991,093
2,992,019
2,992,020
2,999,699
112: 3,003,793
114: 2,969,247
3,006,662
3,010,736
119: 2,976,063
121: 3,003,794
127: 2,967,722
133: 2,978,261
137: 3,001,803
3,004,778
3,007,719
3,011,804
3,011,805
147: 3,011,806
149: 2,973,975
2,987,329
3,004,779
3,008,736
3,008,737
159: 2,973,212
2,987,330
3,001,804
161: 2,980,450
2,986,409
165: 2,976,064
2,985,467
3,002,771
173: 3,010,737
177: 2,972,492
179: 2,988,385
2,998,985
189: 3,010,738
190: 2,985,468
197: 2,973,976
3,010,739
200: 2,979,344
212: 3,003,795
215: 2,971,779
2,971,780
229: 2,998,986
230: 2,982,569
231: 2,996,317
233: 2,967,723
2,971,781
3,006,663
235: 2,989,324
238: 2,967,067
242: 3,004,780
247: 2,974,980
248: 2,978,262
3,006,664
256: 2,978,263
260: 2,984,503
2,985,469
2,998,269
264: 3,012,798
265: 2,998,270
268: 3,007,720
269: 2,983,528
275: 2,986,410
288: 2,992,839
291: 2,986,411
302: 3,006,665
320: 3,006,666
328: 2,967,068
329: 3,008,738
330: 2,967,724
3,014,741
332.3: 2,971,782
2,980,451
2,985,470
2,992,840
2,999,700
334: 2,992,021
337: 2,973,977
2,984,504
2,992,022
340: 2,995,388
2,999,701
341: 3,010,740
342: 2,990,200
3,002,772
3,007,721
3,011,807
355: 3,013,820
368: 2,996,318

Class 285—Con.

364: 2,986,412
369: 3,004,781
397: 2,982,570
2,997,317
3,001,805
399: 2,967,069
407: 3,013,821
413: 2,969,995
419: 3,007,722

Class 286

1: 2,969,248
2,974,981
2,985,471
2,992,023
3,007,723
5: 2,979,345
2,983,529
2,995,389
3,004,782
6: 2,968,498
2,979,346
2,982,571
2,989,325
2,998,271
3,008,739
3,010,741
3,013,822
7: 2,979,347
2,992,841
8: 2,971,783
2,976,065
2,999,702
9: 2,968,499
2,971,784
2,992,842
10: 2,974,982
2,976,066
3,001,806
11: Re.24,940
2,977,138
2,978,264
2,980,452
2,984,505
2,984,506
2,985,472
2,990,201
2,992,024
2,992,843
3,001,807
3,010,742
11.11: 2,986,413
2,986,414
11.13: 2,994,547
11.14: 2,979,348
2,981,558
2,984,507
2,995,390
3,007,724
3,013,823
11.15: 2,979,349
2,983,530
2,995,391
2,996,319
3,003,796
3,006,667
3,009,717
3,009,718
3,014,742
11.16: 2,977,139
2,993,711
2,998,987
3,008,740
12: 2,974,983
2,997,318
3,004,783
3,011,808
15: 2,977,140
2,993,712
16: 2,968,500
3,013,824
3,013,825
19: 2,990,202
26: 2,968,501
2,973,978
2,979,350
2,985,473
2,996,320
3,001,808
30: 2,993,713
3,003,797
33: 3,013,826
37: 2,979,351
39: 2,976,067

Class 287

1: 2,999,703
2: 3,000,656
3,004,784
14: 2,991,094
2,991,830
3,006,668
20: 2,968,502
2,977,141
2,991,095
3,003,798
20.5: 3,007,725
23: 3,005,645
52: 2,968,503
2,977,142
2,985,474
2,986,415
2,988,386
2,989,326
2,989,327
2,992,025
2,999,704
3,012,799
3,013,827
52.03: 2,967,070
52.05: 2,973,979
2,989,328
2,994,548
3,002,773
52.06: 2,986,416
2,992,844
52.07: 2,996,321
3,012,800
52.08: 2,986,417
2,999,705
53: 2,968,504
2,971,785
2,972,493
2,974,984
2,979,352
2,980,453
2,983,531
2,983,532
2,988,387
2,993,714
2,998,988
3,005,646
3,007,726
3,010,743
3,011,809
53.5: Re.25,053
2,971,786
54: 2,972,494
2,972,495
2,974,985
2,980,454
2,982,572
2,990,203
3,006,669
3,006,670
3,006,671
3,007,727
3,008,741
3,009,719
3,010,744
58: Re.24,982
2,980,455
2,980,456
2,989,329
2,991,096
2,992,026
2,992,845
2,999,706
3,008,742
3,011,810
3,012,801
62: 2,998,989
64: 3,004,785
76: 3,010,745
83: 2,986,418
3,009,720
85: 2,973,213
2,979,353
2,987,331
2,987,332
2,988,388
2,989,330
2,993,715
2,999,707
3,000,657
3,006,672
3,010,746
3,013,828
86: 2,980,457
87: 2,973,980
2,999,708
3,006,673
3,011,811
88: 2,974,986
90: 2,970,853
2,971,787
2,972,496
2,976,068
2,987,333
2,993,716
2,993,717
2,999,709
2,999,710
3,004,786
90: 3,005,647
3,007,728
3,007,729
3,008,743
3,013,829
91: 2,990,204
92: 3,006,674
93: 3,007,730
95: 2,967,725
99: 2,969,249
2,989,331
2,991,097
2,991,098
2,991,099
2,991,100
2,991,101
2,991,102
2,991,103
2,991,104
2,997,319
100: 2,967,726
3,011,812
101: 2,973,981
103: 2,971,788
2,998,990
3,000,658
3,002,774
108: 2,991,105
114: 2,973,982
116: 3,010,747
117: 2,969,996
3,002,775
118: 2,995,392
2,997,320
119: 2,987,334
2,990,205
3,014,743
124: 3,011,813
126: 2,969,250
2,973,214
2,979,354
127: 2,969,251
2,970,854
2,976,069
3,008,744
130: 2,978,265

Class 288

2: 3,008,799
3: 2,985,475
2,990,206
2,992,027
3,005,648
3,010,748
3,011,814
4: 3,009,721
5: 3,011,815
8: 2,992,028
3,002,776
13: 2,968,505
16: 2,973,983
17: 2,969,997
2,977,143
2,998,991
3,013,830
19: 2,983,533
2,994,549
3,013,831
20: 2,967,727
2,983,534
22: 2,969,252
3,009,722
24: 2,969,998
26: 2,982,573
31: 3,012,802

Class 289

2: 2,981,559
2,987,335
11: 3,004,787
12: 2,977,144
17: 2,992,029

Class 290

1: 2,976,424
2: 2,971,097
2,972,055
2,982,864
2,986,645
2,999,945
4: 2,994,785
30: 2,972,056
2,988,648
31: 2,974,234
36: 2,989,644
3,002,103
3,009,066
37: 2,975,296
3,015,037
38: 2,991,370
2,992,335
3,009,067
40: 2,974,235
2,986,646
3,007,054
50: 2,981,846
52: 2,984,751
53: 3,011,062

Class 291

1: 2,971,793
3: 2,999,711
11: 2,995,393
41: 2,984,508

Class 292

1: 2,985,476
2,998,992
11: 3,003,800
17: 2,983,535
2,992,030
3,014,744
21: 2,968,506
25: 2,976,070
27: 3,010,749
29: 2,992,031
33: 3,009,723
36: 2,996,322
37: 2,982,574
48: 2,992,032
52: 2,987,336
57: 2,978,266
59: 2,970,855
65: 2,[illegible],106
66: 2,998,272
70: 2,984,509
2,990,207
3,001,809
75: 2,983,536
76: 2,979,355
3,012,803
78: 2,987,337
3,002,777
79: 2,973,215
91: 2,997,321
92: 2,969,999
2,991,107
96: 3,003,801
108: 2,997,322
111: 2,997,323
3,011,816
113: 2,980,458
3,004,788
3,008,745
122: 2,980,459
127: 2,992,846
140: 3,011,817
142: 2,984,510
145: 2,971,789
148: 2,974,987
159: 2,995,394
165: 2,988,389
2,990,208
169: 2,978,267
2,983,537
2,989,332
2,990,209
2,995,395
2,995,396
2,998,273
2,998,274
3,001,810
173: 2,970,856
182: 2,973,984
203: 3,005,649
3,005,650
204: 2,973,985
207: 2,981,560
2,996,323
216: 2,976,071
2,998,275
221: 3,002,778
3,012,804
226: 2,996,324
3,009,724
228: 2,973,986
229: 3,012,805
235: 2,971,790
238: 2,970,000
241: 2,972,497
246: 2,968,507
251.5: 2,970,857
2,983,538
2,987,338
2,990,210
3,003,802
3,009,725
252: 3,014,745
256.5: 2,991,108
256.67: 2,968,508
257: 2,974,988
258: 2,984,511
259: 3,014,746
262: 2,971,791
265: 2,996,325
274: 2,982,575
275: 3,001,811
276: 2,974,989
279: 3,010,750
280: 2,973,216
2,978,268
2,980,460
2,982,576
2,989,333
2,992,033
2,997,324
3,007,731
281: 2,973,987
3,013,832
283: 2,970,858
288: 2,973,217
2,974,990
2,988,390
2,998,276
3,011,818
3,012,806
294: 2,969,253
3,014,747
307: 2,980,461
308: 2,983,539
310: 2,992,034
315: 2,980,462
317: 2,979,356
321: 2,977,145
3,012,807
325: 2,988,391
336.3: 2,976,072
2,985,477
2,985,478
2,999,712
337: 2,980,463
2,983,540
2,996,326
3,000,659
3,006,675
338: 2,988,392
3,006,676
340: 2,993,718
2,996,327
341.12: 3,007,732
341.13: 2,981,561
341.16: 2,994,550
341.17: 2,996,328
341.18: 2,990,211
2,993,719
3,006,677
347: 2,967,728
2,993,720
2,998,993
3,003,803
3,012,808
352: 2,976,073
356: 3,014,748

Class 293

1: 2,985,479
2,997,325
34: 2,990,212
60: 2,977,146
62: 2,986,419
63: 2,991,109
69: 2,979,357
2,991,110
2,992,035
2,993,721
70: 3,008,746
71: 2,993,722
73: 2,984,512

Class 294

1: 2,973,218
2,974,991
5: 2,999,713
15: 2,973,988
2,988,393
2,994,551
16: 2,997,326
19: 2,968,509
2,989,334
20: 2,983,541
26: 2,970,001
2,978,269
3,005,651
3,006,678
3,014,749
26.5: 3,007,733
28: 3,007,734
31.2: 2,967,071
2,973,989
2,981,562
2,982,577
2,991,111
2,992,847
2,999,714
3,012,809
33: 2,976,074
34: 2,992,848
50.7: 2,989,335
55: 2,967,729
57: 2,974,992
3,009,726
58: 3,014,750
61: 2,974,993
62: 2,967,730
2,968,510
63: 2,986,420
64: 2,967,731
2,999,715
3,005,652
3,008,747
3,008,748
65: 3,013,833
65.5: 2,970,002
2,970,003
2,976,075
2,977,147
2,993,723
3,009,727
3,011,819
3,014,751
66: 3,003,804
67: 2,978,270
2,984,513
2,987,339
2,987,340
2,998,994
3,001,812
3,002,779
69: 2,993,724
3,000,661
74: 2,974,994
2,977,148
2,985,480
2,988,394
3,002,780
3,005,653
75: 2,998,277
77: 3,011,820
78: 2,983,542
81: 3,010,751
82: 2,968,511
2,986,421
2,998,278
3,009,728
83: 2,971,792
2,977,149
2,987,341
2,988,395
2,989,336
2,992,849
2,994,552
3,009,729
3,009,730
3,010,752
3,012,810
3,012,811
3,013,834
86: 2,980,464
2,985,481
2,991,112
2,999,716
3,000,662
3,008,749
87: 3,014,752
87.2: 2,996,329
3,003,805
3,005,654
88: 2,996,330
3,013,835
92: 2,973,219
2,978,271
2,997,327
3,005,655
3,006,679
3,008,750
93: 2,988,396
3,006,680
96: 3,008,751
99: 2,997,328
101: 2,986,422
3,003,806
102: 2,970,859
2,976,076
103: 2,974,995
104: 3,011,821
106: 2,979,358
2,989,337
2,994,553
111: 2,994,554
118: 2,977,150
2,990,213
2,991,113
2,991,114
3,008,752
3,008,753
3,010,753
119: 2,981,563

Class 295

8.5: 2,978,272
2,979,359
11: 2,999,717
31: 2,969,254
44: 2,979,360

Class 296

1: 2,970,860
2,976,077
2,992,036
2,993,725
2,993,726
2,997,329
3,000,663
3,002,781
3,008,754
3,010,754
3: 2,997,330
13: 2,993,727
14: 2,984,514
19: 3,005,656
22: 2,982,578
23: 2,980,465
2,983,543
2,984,515
2,987,342
2,990,214
2,992,037
2,995,397
3,000,664
3,001,813
3,003,807
3,004,789
3,009,731
3,013,836
3,014,753
24: 2,970,861
2,974,996
2,980,466
2,982,579
2,997,331
2,998,279
3,000,665
3,003,808
26: 2,971,794
2,976,078
2,995,398
3,004,790
28: 2,967,072
2,967,073
2,970,004
2,971,795
2,971,796
2,972,498
2,974,997
2,976,079
2,982,580
2,985,482
2,986,423
2,986,424
2,988,397
2,991,115
2,991,116
2,993,728
2,993,729
2,995,399
2,997,332
2,997,333
2,998,280
3,002,782
3,003,809
3,010,755
3,010,756
31: 2,973,220
3,003,810
35: 2,976,080
3,003,811
3,010,757
36: 2,992,038
37: 2,970,005
2,986,425
37.2: 3,005,657
40: 2,971,797
44: 2,968,512
2,973,221
2,991,117
2,992,039
2,992,850
2,994,555
3,001,814
3,002,783
3,010,758
3,010,759
3,012,812
44.5: 2,983,544
2,997,334
3,005,658
3,006,681
3,006,682
46: 2,992,851
3,006,683
47: 2,976,081
2,984,516
49: 2,993,730
49.2: 2,987,343
50: 2,995,400

51: 3,006,684
53: 2,973,222
57: 2,973,223
2,984,517
2,990,215
2,994,556
3,009,732
3,010,760
62: 2,991,118
65: 2,970,862
2,974,998
2,978,273
2,983,545
3,001,815
3,013,837
66: 2,987,344
2,997,335
3,008,755
3,011,822
3,013,838
68: 2,992,852
75: 3,014,754
84: 3,011,823
3,014,755
85: 3,002,784
91: 3,008,756
93: 2,989,338
95: 2,967,732
2,989,339
97: 2,970,863
2,970,864
2,978,274
2,991,119
2,999,718
3,003,812
3,003,813
3,008,757
3,008,758
98: 2,967,733
2,976,082
100: 2,969,284
2,979,361
2,989,340
2,992,040
3,008,759
3,012,813
3,012,814
102: 2,969,255
3,011,824
105: 2,974,999
2,985,483
106: 2,970,006
2,983,547
2,997,336
3,000,666
107: 2,997,337
117: 2,970,007
2,992,041
120: 2,993,731
3,002,785
136: 2,992,042
137: 2,968,513
2,968,514
2,973,990
2,973,991
2,987,345
2,991,120
2,991,121
3,008,760
143: 2,967,734
145: 2,981,564

Class 297

3: 2,991,122
5: 3,009,733
19: 3,005,659
30: 3,006,685
38: 2,996,331
40: 3,012,815
45: 3,000,667
55: 2,991,123
56: 3,001,816
61: 2,996,332
3,005,660
65: 2,993,529
75: 3,001,817
84: 3,005,661
3,006,686
3,008,761
3,009,734
3,010,761
85: 2,999,719
3,001,818
3,001,819
3,004,791
3,009,735
3,012,816
3,014,756
3,014,757
88: 3,003,814
3,009,736
3,010,762
89: 2,999,720
3,008,762
3,014,758
93: 3,012,817
105: 2,994,557
118: 2,992,853
3,003,815
3,004,792
130: 3,003,543
139: 2,991,829
146: 3,009,737
153: 3,006,687
156: 3,002,786
159: 2,992,043
181: 3,008,763
184: 3,007,735
191: 3,014,759
192: 3,014,760
216: 2,993,732
217: 3,007,736
219: 3,003,816
220: 2,997,338
230: 3,014,761
239: 2,990,876
2,997,339
245: 3,011,825
248: 3,009,738
3,012,818
249: 3,002,787
255: 3,002,788
256: 2,992,854
274: 3,004,793
284: 2,991,124
304: 2,991,125
306: 3,008,764
320: 3,000,668
322: 2,994,363
324: 3,001,820
349: 3,009,739
353: 2,992,855
361: 2,997,340
362: 2,992,044
366: 3,001,821
367: 3,008,765
369: 2,997,341
374: 2,998,281
378: 3,007,737
381: 3,001,822
382: 3,004,794
383: 3,011,826
399: 2,996,333
3,012,819
403: 3,008,766
3,008,767
412: 3,004,586
416: 3,013,839
430: 3,007,738
433: 3,001,823
434: 2,991,831
436: 3,013,840
438: 3,005,662
439: 2,991,126
2,994,364
2,994,365
3,007,739
440: 3,003,817
445: 2,993,733
2,995,182
3,009,740
3,014,762
446: 2,994,558
451: 3,000,669
457: 3,006,688
3,006,689
458: 3,001,824
461: 3,000,670
462: 3,002,789

Class 298

2: 3,000,671
3: 2,973,224
8: 3,001,825
17: 2,997,342
2,999,721
3,010,763
19: 2,997,343
3,009,741
20: 2,985,484
2,988,399
2,992,856
3,003,818
3,011,827
22: 2,967,735
2,978,275
2,989,344
23: 2,983,548
2,991,127

Class 300

14: 2,993,734
18: 2,979,362
21: 2,980,467
2,995,401

Class 301

1: 2,970,008
2,978,276
2.5: 2,994,559
5: 2,973,225
3,006,690
3,008,768
3,011,828
3,012,820
6: 2,976,083
2,990,216
2,998,282
3,003,819
3,004,795
3,004,796
3,007,740
9: 2,969,256
2,981,565
3,004,797
3,009,742
13: 3,007,741
3,013,841
20: 3,007,742
3,013,842
36: 2,988,400
37: 2,967,736
2,969,257
2,970,009
2,970,010
2,970,011
2,970,012
2,970,013
2,970,014
2,971,798
2,973,226
2,973,992
2,977,151
2,977,152
2,981,566
2,982,581
2,984,518
2,984,519
2,989,345
2,989,346
2,991,128
2,993,735
2,993,736
2,995,402
2,995,403
2,996,334
2,996,335
2,996,336
2,996,337
2,997,344
2,998,283
2,998,995
2,999,722
3,000,672
3,001,826
3,001,827
3,004,798
3,006,691
3,007,743
3,008,769
3,009,743
3,010,764
3,010,765
3,012,821
3,012,822
3,012,823
38: 2,985,485
39: 2,989,347
41: 2,988,401
2,998,996
43: 2,984,520
3,012,824
47: 2,983,549
3,005,663
59: 2,994,560
63: 2,983,550
2,992,857
3,006,692
97: 2,977,153
2,992,045
3,008,770
111: 2,978,277
125: 2,967,074
128: 3,000,673
132: 3,012,825

Class 302

2: 2,988,402
2,993,737
12: 2,994,561
14: 2,978,278
2,982,582
2,994,562
2,997,345
3,001,828
3,003,820
17: 2,972,499
2,975,000
2,988,403
2,992,858
19: 3,011,829
28: 2,972,500
2,975,001
2,984,521
2,989,348
2,995,404
29: 2,972,501
37: 3,002,790
40: 3,011,830
49: 2,985,486
3,009,744
50: 2,975,002
3,004,799
51: 2,972,502
3,010,766
52: 2,981,567
3,009,745
53: 2,972,503
2,977,154
2,978,279
2,978,280
2,979,363
2,989,349
3,001,829
3,003,821
3,007,744
56: 2,990,217
58: 2,970,865
59: 2,973,993
2,983,551
3,006,693
61: 3,001,830
66: 3,012,826

Class 303

1: 2,979,364
2: 2,977,155
2,977,156
2,980,468
2,991,129
2,994,563
2,994,564
3,002,791
3,010,767
6: 2,976,084
2,985,487
2,987,346
7: 3,001,831
3,010,768
8: 2,986,426
2,998,284
9: 2,976,085
2,998,997
3,003,822
12: 3,003,823
13: 2,982,583
15: 2,985,488
19: 2,998,285
20: 3,014,763
21: 2,975,003
3,003,824
3,004,800
3,004,801
3,014,764
22: 2,986,427
2,991,130
3,006,694
23: 2,985,489
24: 2,973,994
2,991,131
2,992,859
2,992,860
3,005,664
3,006,695
3,006,696
3,008,771
3,011,831
29: 2,980,469
33: 2,992,861
40: 2,985,490
49: 2,986,428
54: 2,971,799
2,992,046
3,003,825
3,011,832
60: 3,011,833
68: 3,001,832
3,001,833
71: 3,011,834
82: 2,994,565
84: 2,977,157
2,979,365
86: 2,989,350

Class 305

10: 3,008,772
3,013,843
11: 2,970,866
2,984,522
12: 2,982,584
13: 2,973,995
17: 2,984,523
19: 2,986,429
21: 2,996,338
23: 2,987,347
28: 2,989,351
31: 2,998,998
35: 2,969,258
2,977,158
51: 2,967,737
54: 2,982,585
55: 2,993,738
56: 2,967,075
2,970,867
2,984,524
2,992,862
3,007,745
57: 2,992,863
2,999,723
58: 3,013,844
60: 2,991,132

Class 306

19: 2,975,004
28: 2,982,586
33: 2,967,738

Class 307

10: 2,972,057
2,975,297
2,989,645
2,994,001
3,004,170
19: 3,001,082
32: 3,011,063
34: 3,005,109
38: 2,979,624
2,989,646
39: 3,010,027
41: 2,992,336
3,005,110
43: 3,002,104
51: 2,968,737
2,994,786
53: 2,983,825
57: 2,969,467
2,972,058
2,982,865
2,985,765
2,986,647
3,001,083
58: 2,996,626
64: 3,002,105
3,014,136
84: 2,994,787
88: Re.25,038
2,967,949
2,967,950
2,970,224
2,971,098
2,972,059
2,972,060
2,975,298
2,976,425
2,977,481
2,977,482
2,977,483
2,978,592
2,978,593
2,980,803
2,980,804
2,981,847
2,981,848
2,983,826
2,983,827
2,983,828
2,983,829
2,985,766
2,985,767
2,985,768
2,986,661
2,987,625
2,987,626
2,988,649
2,989,647
2,989,648
2,989,649
2,989,650
2,991,371
2,995,663
2,996,627
2,996,628
2,997,599
2,998,531
2,999,167
2,999,946
3,001,084
3,001,085
3,002,106
3,002,107
3,002,108
88: 3,003,067
3,003,068
3,004,171
3,004,172
3,005,111
3,008,054
3,010,028
3,011,064
3,012,151
3,012,152
3,014,137
3,015,038
3,015,039
88.5: 2,967,250
2,967,951
2,967,952
2,967,953
2,967,954
2,969,468
2,969,469
2,969,470
2,970,226
2,970,227
2,970,228
2,970,229
2,971,099
2,971,100
2,971,101
2,972,061
2,972,062
2,972,063
2,972,064
2,972,065
2,972,066
2,972,683
2,972,684
2,972,685
2,973,437
2,973,438
2,973,439
2,973,440
2,973,441
2,974,236
2,974,237
2,974,238
2,975,299
2,975,300
2,975,301
2,975,302
2,975,303
2,975,304
2,975,305
2,976,426
2,976,427
2,976,438
2,976,429
2,976,430
2,976,431
2,976,432
2,977,484
2,977,485
2,977,486
2,977,487
2,978,594
2,978,595
2,979,625
2,979,626
2,979,627
2,980,805
2,980,806
2,980,807
2,980,808
2,980,809
2,980,810
2,981,849
2,981,850
2,981,851
2,981,852
2,981,853
2,982,866
2,982,867
2,982,868
2,982,869
2,982,870
2,983,830
2,893,831
2,984,752
2,984,753
2,984,754
2,985,769
2,985,770
2,985,771
2,985,772
2,985,773
2,985,774
2,985,775
2,986,648
2,986,649
2,986,650
2,986,651
2,986,652
2,986,653
2,986,654
2,986,655
2,986,656
88.5: 2,986,657
2,986,658
2,986,659
2,987,627
2,987,628
2,987,629
2,987,630
2,987,631
2,987,632
2,987,633
2,988,650
2,988,651
2,988,652
2,988,653
2,988,654
2,989,651
2,989,652
2,990,477
2,990,478
2,990,479
2,990,480
2,991,372
2,991,373
2,991,374
2,991,375
2,992,337
2,992,338
2,992,339
2,992,340
2,992,341
2,993,126
2,993,127
2,993,128
2,993,129
2,994,002
2,994,003
2,994,788
2,994,789
2,994,790
2,995,664
2,995,665
2,995,666
2,995,667
2,995,668
2,995,669
2,996,629
2,997,600
2,997,601
2,997,602
2,997,603
2,997,604
2,997,605
2,997,606
2,998,532
2,998,533
2,998,534
2,999,168
2,999,169
2,999,170
2,999,171
2,999,172
2,999,173
2,999,174
2,999,175
2,999,947
2,999,948
3,001,086
3,001,087
3,001,088
3,001,089
3,001,090
3,001,091
3,002,109
3,002,110
3,002,111
3,003,069
3,003,070
3,003,071
3,004,173
3,004,174
3,005,112
3,005,113
3,005,114
3,005,917
3,005,918
3,007,055
3,007,056
3,007,057
3,007,058
3,007,059
3,007,060
3,007,061
3,008,055
3,008,056
3,008,057
3,008,058
3,009,068
3,009,069
3,009,070
3,010,029
3,010,030
3,010,031
3,010,032
3,010,033
3,010,034

Class 307—Con.

88.5: 3,011,065
3,011,066
3,011,067
3,011,068
3,011,069
3,011,070
3,011,071
3,011,072
3,011,073
3,011,074
3,011,075
3,011,076
3,012,153
3,012,154
3,012,155
3,013,159
3,013,160
3,013,161
3,013,162
3,013,163
3,013,164
3,014,138
3,015,040
3,015,041
3,015,042
3,015,043
93: 2,971,102
3,002,112
96: 2,979,628
105: 2,977,488
106: Re.25,002
3,002,113
108: 2,971,103
2,986,660
2,990,481
3,013,165
110: 3,002,114
112: 2,970,230
2,995,670
3,007,062
114: 2,983,655
115: 3,013,166
116: 3,012,156
120: 3,012,157
127: 3,011,077
132: 2,981,854
140: 2,972,686
3,011,078
141: 2,995,671
141.4: 2,984,755
2,985,776
2,999,949
3,005,919
3,011,079
141.8: 2,996,630
3,008,059
146: 2,997,607
3,009,071
147: 2,975,306
3,004,175
149: 2,972,067
2,987,634
3,002,115
150: 2,968,738
2,968,739
151: 2,967,251
2,967,252
2,978,596
152: 3,010,035
155: 2,999,950
156: 2,991,376
3,005,115
157: 2,967,955
234: 3,001,109

Class 308

1: 2,967,739
2,993,739
2,994,566
3,008,773
3,010,769
2: 2,992,047
3: 2,970,868
2,976,086
2,983,552
2,989,352
3,008,774
3,014,765
3.5: 2,992,864
2,994,567
3.8: 2,985,491
3,003,826
4: 2,973,996
2,985,492
2,999,724
3,001,834
3,007,746
5: 2,967,740
6: 2,967,741
2,970,015
2,970,016
2,981,568
6: 2,981,569
2,981,570
2,981,571
2,983,553
2,987,348
2,992,048
2,997,346
2,998,286
3,000,674
3,001,835
3,003,827
3,003,828
3,003,829
3,003,830
3,004,802
3,005,665
9: 2,975,005
2,981,572
3,006,697
3,013,845
18: 3,014,766
20: 3,002,792
22: 2,985,493
3,002,793
23: 2,983,554
2,997,347
3,006,698
26: 3,003,831
3,009,746
27: 2,992,049
33: 2,988,404
35: 2,986,430
3,012,827
36.1: 2,974,800
2,981,573
3,006,699
3,011,835
3,013,846
36.2: 2,973,997
38: Re.25,015
2,967,742
3,011,836
40: 2,992,865
47: 2,975,006
2,977,159
54: 3,001,836
59: 2,992,866
2,994,568
71: 3,009,747
72: 2,973,227
2,983,555
2,987,349
2,988,405
3,002,794
3,004,803
3,007,747
3,007,748
3,014,767
73: Re.25,028
3,004,804
74: 2,990,218
77: 2,990,219
3,010,770
78: 2,999,725
79: 2,984,525
79.1: 2,969,259
2,984,526
83: 2,997,348
86: 3,011,837
87: 2,969,260
2,969,261
2,988,406
2,994,569
2,999,726
88: 2,967,076
2,973,228
2,980,470
2,984,527
2,992,867
3,004,805
3,008,775
91: 3,003,832
121: 3,008,776
122: 2,976,087
2,998,999
3,005,666
3,011,838
125: 3,013,847
132: 2,980,471
2,980,472
3,008,777
137: 2,992,050
152: 2,969,262
2,973,229
158: 2,976,088
159: 2,970,017
2,996,339
3,005,667
3,012,828
160: 2,986,431
3,007,749
3,011,839
161: 2,980,473
163: 2,984,528
2,994,570
163: 2,996,340
3,003,833
174: 2,982,587
178: 2,977,160
3,006,700
179.5: 2,979,366
180: 2,981,574
183: 2,979,367
2,983,556
184: 2,986,432
3,005,668
3,011,850
187: 2,969,263
2,969,264
2,973,230
2,976,089
2,977,161
2,983,557
2,986,433
2,986,434
2,998,287
2,999,000
3,004,806
3,007,750
3,007,751
187.1: 2,967,743
2,990,220
3,000,675
3,003,834
3,004,807
3,006,701
3,011,841
3,012,829
187.2: 2,991,133
3,003,835
3,007,752
3,010,771
3,014,768
188: 3,001,837
3,001,838
3,011,842
189: 2,988,407
3,001,839
3,006,702
190: 2,979,368
2,995,405
3,011,843
191: 2,988,408
193: 2,977,162
3,001,840
194: 2,969,265
2,975,007
2,983,558
2,990,221
2,990,222
3,001,841
200: 2,983,559
201: 2,975,008
2,987,350
202: 2,983,560
203: 3,012,830
207: 2,972,504
2,976,090
2,977,163
2,986,435
2,987,351
2,990,223
3,009,748
208: 3,013,848
212: 2,969,266
2,976,091
2,989,353
3,004,808
3,006,703
213: 3,014,769
217: 2,969,267
2,976,092
2,977,164
227: 2,971,801
2,978,281
2,986,436
3,004,809
3,008,778
234: 2,995,406
3,003,836
235: 2,978,282
2,997,349
236: 2,970,018
2,980,474
2,990,224
2,992,868
3,001,842
3,007,753
237: 2,970,019
2,982,588
2,989,354
2,997,350
3,007,754
238: 2,970,869
2,976,093
2,983,561
2,983,562
2,985,494
2,989,355
3,008,779
240: 2,980,475
241: 2,987,352
243: 2,970,870
2,975,009
2,991,134
2,991,135
2,992,051
3,008,780
245: 3,014,770

Class 309

1: 2,982,589
2: 2,967,744
2,971,802
2,978,283
2,979,369
2,982,590
2,991,136
2,997,351
3,005,669
3,011,844
3,011,845
3: 2,981,575
4: 2,970,871
2,975,010
2,975,011
2,977,165
2,977,166
2,983,563
2,983,564
2,987,353
2,987,354
2,992,052
2,998,288
6: 3,003,837
9: 2,970,020
10: 2,999,727
3,009,749
12: 2,983,565
14: 2,968,515
2,978,284
2,980,476
2,990,225
2,992,869
2,996,341
2,996,342
3,000,676
3,007,755
3,012,831
3,014,771
18: 3,004,810
19: 2,990,226
20: 3,010,772
23: 2,968,516
2,991,137
2,991,571
3,008,781
3,012,832
29: 2,996,343
3,006,704
33: 2,970,021
2,973,231
2,977,167
2,984,529
2,985,495
2,992,870
44: 2,967,745
2,967,746
2,970,022
2,970,023
3,004,811
45: Re.24,930
2,988,409
2,999,728
3,000,677
3,000,678

Class 310

2: 3,011,080
3: 2,976,433
4: 3,002,116
6: 2,975,307
8.1: 3,006,711
8.2: 2,972,068
2,978,597
8.3: 2,972,069
2,998,535
8.7: 3,003,072
8.9: 2,969,471
3,008,060
9: 3,002,117
9.1: 2,967,956
2,990,482
3,004,176
9.2: 3,004,177
9.4: 2,967,957
2,967,958
2,976,434
2,980,811
2,984,756
9.7: 2,994,791
11: 3,004,178
3,005,116
13: 2,993,130
15: 2,992,342
2,998,536
17: 2,971,104
18: 2,994,792
19: 2,982,871
21: 2,985,777
25: 2,972,070
26: 3,007,063
3,011,081
29: 2,967,253
2,986,662
2,987,635
3,010,036
30: 3,012,158
37: 3,001,092
39: 2,976,435
2,979,629
3,010,037
40: 2,996,631
3,005,117
41: 2,972,687
2,985,778
42: 2,994,004
43: 2,970,231
2,978,598
46: 2,989,653
49: 3,005,118
50: 2,976,436
2,984,757
2,987,636
53: 2,988,656
54: 2,970,232
2,975,308
2,975,309
2,987,637
2,999,951
3,007,064
3,007,065
57: 3,009,072
59: 3,003,073
60: 2,986,663
61: 2,974,239
2,977,489
2,986,664
2,991,377
2,994,793
3,002,118
3,005,119
63: 2,967,959
2,970,233
2,970,234
2,976,437
64: 2,990,483
2,998,537
3,010,038
3,011,082
3,014,139
67: 2,997,608
68: 2,994,794
71: 3,012,159
3,014,140
72: 3,011,083
76: 2,992,343
81: 2,972,688
82: 2,969,472
83: 2,970,235
2,976,438
3,004,179
3,008,061
86: 2,967,960
2,993,131
2,994,795
2,996,632
87: 2,974,240
2,993,132
2,997,609
90: 2,983,832
2,987,638
3,004,180
3,013,167
91: 2,970,236
93: 2,968,740
2,980,812
2,997,610
94: 2,972,071
2,990,484
95: 2,998,538
96: 3,007,066
99: 2,998,539
102: 2,979,630
105: 2,971,105
3,010,039
3,012,160
111: 3,007,067
112: 3,010,040
139: 2,993,133
153: 2,976,439
154: 2,986,665
2,993,134
2,999,952
156: 2,985,779
3,012,161
3,014,141
158: 3,001,093
162: 3,014,142
163: 2,975,310
2,981,855
2,982,872
164: 2,997,611
2,997,612
166: 2,971,106
2,999,953
2,999,954
3,013,168
168: 2,978,599
172: 2,975,311
2,977,490
2,994,796
3,007,068
178: 2,990,485
180: 2,993,135
2,995,672
188: 2,999,955
191: 2,969,473
3,014,143
194: 3,010,041
204: 2,989,654
209: 3,005,120
211: 2,989,655
2,991,378
214: 2,990,486
2,990,487
2,998,540
3,008,786
3,009,073
215: 2,985,780
2,999,176
217: 2,975,312
232: 2,978,600
2,985,781
2,994,797
234: 2,994,005
235: 2,990,488
2,990,489
2,999,956
3,005,920
237: 3,014,144
239: 2,971,107
2,984,758
3,003,074
240: 2,985,782
746: 2,972,689
2,974,241
2,992,344
3,010,042
247: 2,986,666
2,987,639
2,989,656
2,991,379
256: 2,981,856
258: 2,973,442
2,982,873
2,993,136
3,014,145
259: 2,977,491
3,012,162
260: 2,970,237
3,002,119
262: 2,991,380
263: 3,004,181
266: 2,974,242
268: 2,970,238
3,008,062
270: 2,989,657
3,014,146

Class 311

2: 3,007,756
3: 3,001,843
3,006,705
4: 2,973,232
5: 2,995,407
6: 3,004,812
10: 2,972,505
12: 3,011,846
17: 2,976,094
2,986,437
3,014,772
18: 3,007,757
19: 2,967,077
20: 2,992,871
21: 2,986,438
2,988,410
3,011,847
22: 3,009,750
32: 2,981,576
35: 2,981,577
2,986,439
3,008,782
37: 2,991,138
38: 2,968,517
39: 2,977,168
2,977,169
2,999,729
60: 2,993,740
71: 3,013,849
77: 3,006,706
89: 3,005,670
92: 2,991,139
99: 2,970,024
2,971,803
2,989,356
101: 2,981,578
105: 2,972,506
3,000,679
106: 2,981,579
2,981,580
3,012,833
107: 2,970,872
2,980,477
110: 2,982,591
3,013,850
114: 2,970,025
2,973,233

Class 312

7: 2,969,268
2,980,478
2,992,872
8: 2,971,804
15: 2,981,581
20: 2,992,053
3,007,758
23: 2,987,355
25: 3,010,773
26: 2,977,170
28: 3,003,838
31: 2,977,171
31.1: 2,973,234
33: 3,011,848
35: 2,970,026
2,990,227
39: 3,012,834
42: 2,970,027
2,976,095
45: 2,996,344
3,008,783
71: 2,976,096
2,977,172
2,980,479
2,998,289
3,004,813
97: 2,984,530
97.1: 2,968,518
2,982,592
107: 2,969,269
108: 2,971,805
111: 2,967,078
2,980,480
2,987,356
2,988,411
2,988,412
2,992,054
3,000,680
3,001,844
3,003,839
116: 2,994,572
118: 3,002,795
121: 3,006,707
132: 2,981,582
140.1: 3,004,814
140.2: 2,995,408
140.4: 2,981,583
3,011,849
3,013,851
184: 2,967,079
2,976,097
3,002,796
194: 3,000,681
3,000,682
3,002,797
195: 2,988,413
2,992,055
198: 3,008,784
201: 2,987,357
204: 2,968,519
2,973,235
206: 3,007,759
207: 2,997,352
3,002,798
209: 3,008,785
3,010,774
211: 3,002,799
214: 2,970,873
2,976,098
2,997,353
3,006,708
216: 2,967,080
2,987,358
3,002,800
3,005,671
217: 3,010,775
221: 2,992,056
223: 2,970,874
2,971,806
2,982,593
3,005,672
3,009,751
3,013,852
234: 2,987,359

235: 3,000,683
237: 2,990,228
240: 2,987,360
241: 2,996,345
242: 2,996,346
3,004,815
246: 2,968,520
250: 2,980,481
253: 3,000,684
255: 2,987,361
3,009,752
257: 2,967,747
2,977,173
2,980,482
2,987,362
2,990,229
2,991,140
2,999,730
3,012,835
259: 2,985,496
262: 2,970,875
3,006,709
267: 2,976,099
2,984,531
268: 2,967,081
2,976,100
270: 3,005,673
271: 2,980,483
272.5: 3,001,845
273: 3,010,776
274: 2,975,012
2,987,363
3,009,753
276: 2,992,873
282: 3,009,754
284: 2,978,285
287: 2,971,807
290: 3,000,685
296: 2,975,013
3,012,836
298: 3,003,840
300: 2,976,101
301: 3,008,787
303: 2,998,290
3,013,853
305: 2,975,014
2,977,174
306: 3,011,850
308: 2,986,440
309: 2,972,507
3,008,788
310: 2,997,354
311: 2,985,497
3,006,710
316: 2,979,370
3,008,789
318: 2,967,748
319: 2,973,236
2,980,484
3,012,837
320: 2,011,851
323: 2,984,532
3,014,773
325: 2,995,409
326: 2,988,414
328: 2,977,175
329: 2,994,573
332: 2,973,998
2,992,057
3,008,790
333: 3,000,686
335: 2,987,364
337: 2,981,584
339: 3,009,755
341: 2,991,141
3,014,774
342: 2,984,533
2,997,355
3,009,756
348: 2,980,485
2,997,356
3,003,841
351: 3,011,852

Class 313

1: 2,994,006
6: 2,997,613
7: 2,972,690
2,988,657
2,993,137
2,996,633
3,009,074
13: 2,983,833
19: 2,976,440
22: 2,977,492
24: 3,008,063
27: 2,977,493
33: 2,976,441
42: 2,973,443
3,007,069
3,013,169
46: 2,974,243
51: 2,977,494
54: 2,976,442
2,990,490
2,990,491
2,990,492
57: 3,012,163
61: 2,973,444
2,976,443
2,981,857
2,983,834
2,993,138
62: 2,976,444
63: 2,977,495
2,979,631
2,992,345
3,005,121
64: 2,968,741
3,004,182
3,005,122
65: 2,967,254
2,967,961
2,967,962
2,972,072
2,974,244
2,975,313
2,980,813
2,984,759
2,985,783
2,989,658
2,989,659
2,994,798
2,997,614
3,003,075
3,013,170
3,014,147
66: 2,967,255
2,999,177
67: 2,973,445
2,992,346
3,014,148
69: 2,977,496
70: 2,973,446
71: 2,974,245
74: 2,990,493
75: 2,980,814
76: 2,980,815
2,986,667
77: 2,972,073
2,975,314
2,999,178
3,002,120
78: 2,982,874
2,982,875
79: 2,999,957
82: Re.25,067
2,967,963
2,971,108
2,975,315
2,975,316
2,988,658
2,992,347
3,004,183
3,005,123
3,008,064
3,013,171
84: 2,972,074
2,974,246
2,988,659
2,991,381
2,991,382
2,992,348
2,997,615
3,001,094
3,001,095
3,013,172
3,013,173
85: 2,986,668
3,005,921
86: 2,986,669
2,988,660
87: 2,975,317
89: 2,979,632
2,979,633
2,983,835
92: 2,969,474
2,972,075
2,978,601
2,985,784
2,991,383
2,992,349
2,996,634
3,005,124
3,005,125
93: 2,974,247
2,974,248
2,976,445
2,978,602
2,978,603
2,985,785
94: 2,972,691
2,983,836
107: 2,992,350
108: 2,967,964
2,967,965
2,970,239
2,972,076
2,972,692
2,972,693
2,972,694
2,975,318
2,976,446
2,976,447
2,980,816
2,980,817
2,981,858
2,982,876
2,983,837
2,988,661
2,991,384
2,991,385
2,992,351
2,999,958
3,002,121
3,007,070
3,008,065
3,010,043
3,010,044
3,012,164
3,014,149
3,015,044
109: 2,973,447
2,976,448
2,976,449
2,991,386
109.5: 2,990,061
2,991,387
2,991,388
2,996,635
3,005,922
112: 2,977,497
113: 2,974,249
2,979,634
2,980,818
2,990,494
2,994,799
3,010,045
123: 2,972,077
3,004,184
124: 2,988,662
129: 3,014,150
130: 2,989,660
3,014,151
131: 2,981,859
2,981,860
2,988,663
2,992,352
134: 2,977,498
137: 3,009,075
141: 2,984,760
2,992,353
145: 3,013,174
146: 2,994,007
2,999,179
151: 2,976,450
157: 2,972,695
161: 2,967,966
171: 2,976,451
2,996,636
178: 3,007,071
184: 2,982,877
3,005,923
185: 3,005,924
3,012,165
3,013,175
186: 2,975,319
187: 2,975,320
2,985,786
188: 2,967,256
2,971,109
193: 2,978,604
3,009,076
3,012,166
195: 3,009,077
197: 3,005,925
204: 2,987,640
212: 2,980,819
214: 2,987,641
216: 3,012,167
220: 2,985,787
221: Re.25,017
2,971,110
3,012,168
226: 2,988,664
231: 2,967,257
2,969,475
2,972,696
2,972,697
2,972,698
2,987,642
2,991,389
3,007,072
243: 2,973,448
245: 3,004,185
247: 2,978,605
254: 2,991,390
255: 2,975,321
256: 2,982,878
257: 2,976,452
258: 3,011,084
261: 2,986,670
265: 2,995,673
2,996,637
270: 2,978,606
271: 2,973,449
2,987,643
272: 2,997,616
277: 3,007,073
278: 2,997,617
279: 2,980,820
3,007,074
286: 3,003,076
288: 3,012,169
290: 2,971,111
291: 2,973,450
293: 2,968,742
299: 2,967,967
311: 2,988,665
312: 3,002,122
317: 2,973,451
318: 2,972,699
2,983,838
2,990,495
2,999,180
3,001,096
3,001,097
325: 2,985,788
328: 2,969,476
331: 2,974,250
337: 3,005,926
343: 3,003,077
345: 2,974,251
346: 2,972,078
2,975,322
2,986,671
2,988,666
2,995,674
3,007,075
3,010,046
348: 2,988,667
350: 3,013,176

Class 314

61: 2,984,761
2,996,638
69: 2,973,452
2,976,453

Class 315

3: 2,967,258
2,974,252
3,009,078
3.5: Re.25,070
2,967,968
2,970,240
2,971,112
2,971,113
2,972,079
2,973,453
2,976,454
2,982,879
2,983,839
2,983,840
2,984,762
2,985,789
2,985,790
2,985,791
2,985,792
2,987,644
2,991,391
2,992,354
2,992,355
2,993,139
2,994,008
2,995,675
2,999,181
3,003,078
3,005,126
3,007,076
3,007,077
3,010,047
3,011,085
3,013,177
3.6: 2,967,259
2,970,241
2,971,114
2,972,700
2,976,455
2,976,456
2,985,793
2,989,661
2,992,356
2,997,618
2,999,182
2,999,959
3,002,123
3,010,048
5: 2,971,115
5.18: 2,979,635
5.19: 2,974,253
2,996,639
5.23: 2,975,323
5.27: 2,972,701
5.31: 2,975,324
5.34: 2,986,672
5.35: 3,011,086
5.37: 2,967,260
5.38: 2,972,080
5.39: 2,970,242
5.41: 3,012,170
5.42: 2,992,357
2,993,140
2,993,141
3,011,087
5.43: 2,972,081
2,972,702
5.48: 2,994,009
5.53: 2,967,261
2,994,800
5.54: 3,011,088
8.5: 2,967,969
2,981,861
2,999,183
3,008,066
9: 2,967,970
2,977,499
3,005,927
10: 2,971,116
2,972,082
2,972,703
2,974,254
2,989,662
2,999,184
3,009,079
3,011,089
11: 2,969,477
2,981,862
2,987,645
2,992,358
3,001,098
12: 2,967,262
2,967,971
2,969,478
2,978,607
2,981,863
2,983,841
2,986,673
2,998,541
3,002,124
3,007,078
13: 2,967,972
2,971,117
2,987,646
2,987,647
2,988,668
2,999,185
2,999,186
3,005,127
3,011,090
3,013,178
14: 2,987,648
2,994,801
3,012,171
15: 2,977,500
2,995,676
2,996,640
3,004,186
16: 2,971,118
2,981,864
2,983,842
17: Re.25,091
2,977,501
18: 2,995,677
3,005,128
21: 2,973,454
2,997,619
22: 2,972,704
2,975,325
2,978,608
2,993,142
2,994,802
2,997,620
2,998,542
3,004,187
23: 2,971,119
2,971,120
2,975,326
2,997,621
3,002,125
24: 2,980,821
2,995,678
26: 2,967,263
3,005,928
27: 2,991,392
2,992,359
2,994,803
2,996,641
2,997,622
2,998,543
3,004,188
29: 2,995,679
3,007,079
30: 2,975,327
2,987,649
2,991,393
3,005,929
31: 2,976,457
2,995,680
3,013,179
36: 2,997,623
2,999,960
39: 2,972,083
2,973,455
2,978,609
2,993,143
3,013,180
39.3: 2,971,121
2,977,502
2,979,636
2,984,763
2,988,669
2,992,360
3,005,129
39.51: 2,998,544
39.53: 2,967,973
2,967,974
2,972,084
2,977,503
39.61: 2,972,085
2,992,361
2,996,642
3,014,152
39.63: 2,967,264
39.65: 2,983,843
39.67: 2,997,624
39.69: 2,984,764
2,997,625
39.71: 2,971,122
39.73: 3,011,091
39.75: 2,992,362
39.77: 2,976,458
52: 2,969,479
58: 3,002,126
3,013,181
59: 2,975,328
77: 3,002,127
83: 2,968,743
2,974,255
2,977,504
2,983,844
3,011,092
3,014,153
84: 2,979,637
84.5: 2,968,744
2,977,505
2,997,626
84.6: 2,971,123
2,975,329
2,976,459
2,979,638
2,985,794
2,995,681
3,010,049
85: 2,983,845
3,005,930
87: 2,992,363
89: 2,998,545
97: 2,971,124
2,983,846
3,003,079
98: 2,987,650
2,988,670
100: 2,994,010
105: 2,996,643
111: 2,969,480
2,983,847
2,988,671
3,004,189
3,005,931
3,009,080
3,014,154
115: 2,975,330
117: 3,003,080
127: 2,979,639
135: 2,972,705
2,982,880
138: 2,996,644
3,010,050
141: 3,011,093
159: 2,973,456
3,007,080
163: 2,975,331
2,999,187
168: 2,974,256
2,999,961
3,008,067
169: 2,967,265
2,967,266
2,969,481
2,975,332
2,978,610
2,984,765
2,991,394
2,994,011
2,995,682
2,998,546
169: 3,013,182
3,013,183
171: 3,014,155
174: 2,985,795
175: 2,983,848
180: 2,978,611
2,980,822
2,980,823
183: 2,977,506
2,993,144
3,011,094
184: 2,992,364
200: 2,971,125
2,998,547
201: 3,004,190
204: 2,976,460
205: 2,971,126
2,975,333
2,976,461
2,982,881
2,998,548
3,007,081
206: 2,981,865
2,985,796
2,994,012
3,005,130
3,008,068
207: 2,969,482
2,989,663
208: 2,979,640
209: 2,977,507
2,985,797
214: 2,984,766
3,007,082
219: 3,004,191
224: 3,014,156
225: 2,972,706
230: 2,983,849
233: 3,014,157
238: 3,004,192
240: 2,981,866
241: 2,967,975
2,977,508
2,977,509
2,983,850
2,994,013
257: 3,003,081
267: 2,996,645
295: 3,004,193
299: 3,011,095
311: 2,998,549
319: 2,994,804
322: 2,967,976
362: 2,969,483
2,972,707

Class 316

1: 2,978,286
8: 2,984,534
3,004,816
9: 2,986,441
19: 2,975,015
2,992,874
2,996,347
3,007,760
22: 3,005,674
23: 2,997,357
26: 2,969,270
2,977,176
30: 2,979,371
32: 2,992,058

Class 317

2: 2,969,484
2,972,086
2,985,798
2,985,799
2,996,646
3,007,083
3,013,184
5: 2,991,395
6: 2,972,087
3,010,051
9: 2,971,127
2,971,128
2,976,462
2,988,672
2,993,145
11: 2,991,396
12: 2,994,014
13: 2,968,745
2,971,129
2,972,708
2,984,767
2,985,800
2,987,651
2,999,188
3,001,099
14: 3,002,128
15: 2,993,146
3,014,15
16: 2,971,13

Class 317—Con.

18: 2,999,189
3,005,932
21: 2,993,147
22: 2,994,805
2,995,683
26: 2,993,148
27: 2,973,457
3,013,185
29: 2,972,709
2,974,257
2,991,397
31: 2,973,458
3,001,100
3,005,933
32: 3,003,082
36: 2,967,977
2,969,485
2,971,131
2,977,510
2,981,867
2,983,851
2,985,801
40: 2,987,652
41: 2,976,463
3,014,159
43: 2,986,674
46: 2,967,978
47: 2,973,459
2,973,460
2,973,461
2,973,462
2,973,463
48: 2,975,334
51: 2,992,365
53: 3,001,101
54: 2,977,511
58: 2,995,684
3,009,081
66: 2,971,132
70: 2,989,664
79: 2,995,685
80: 3,011,096
83: 3,007,084
87: 2,990,496
95: 2,982,882
99: 2,970,243
2,990,497
2,994,806
2,994,807
2,997,627
3,001,102
3,001,103
3,003,083
3,003,084
3,011,097
100: 3,013,186
101: 2,967,267
2,967,979
2,970,244
2,974,258
2,977,512
2,978,612
2,981,868
2,982,883
2,984,768
2,986,675
2,989,665
2,990,498
2,990,499
2,990,500
2,995,686
2,998,550
3,001,104
3,001,105
3,001,106
3,005,131
3,010,052
3,012,172
3,013,187
3,013,188
3,014,160
3,014,161
103: 3,002,129
107: 3,003,085
3,011,098
109: 2,991,398
3,014,162
112: 2,972,088
116: 2,980,824
3,011,099
119: 2,974,259
2,978,613
2,986,676
2,997,628
3,002,130
3,005,934
120: 2,970,245
2,984,769
2,997,629
2,999,190
123: 2,967,980
2,970,246
2,970,247
2,971,133
2,979,641
2,989,666
3,011,100
124: 2,967,981
2,971,134
125: 2,997,630
129: 2,975,335
130: 3,011,101
131: 2,988,673
132: 3,003,086
137: 2,971,135
2,974,260
2,975,336
2,981,869
2,992,366
139: 2,968,746
2,968,747
2,979,642
3,014,163
140: 2,972,089
141: 2,980,825
2,982,884
2,992,367
2,999,191
3,002,131
142: 2,971,136
2,971,137
2,975,337
2,982,885
2,989,667
146: 2,978,614
3,008,069
147: 2,981,870
2,997,631
2,998,551
148: 2,968,749
2,987,653
148.5: 2,967,982
2,968,748
2,969,486
2,972,090
2,972,710
2,978,615
2,980,826
2,980,827
2,982,886
2,986,677
2,995,687
2,997,632
3,005,935
3,010,053
149: 2,974,261
2,975,338
2,982,887
2,983,852
2,994,015
3,003,087
3,004,194
3,011,102
151: 3,003,088
3,009,082
152: 2,992,368
156: 2,992,369
157: 2,984,770
2,987,654
157.5: 2,984,771
158: 2,975,339
2,982,888
2,982,889
2,982,890
2,988,674
2,992,370
2,994,808
2,999,962
3,012,173
3,014,164
159: 3,010,054
163: 2,978,616
164: 3,015,045
165: 2,991,399
2,993,149
2,997,633
3,014,165
3,015,046
171: Re.24,943
172: 2,994,016
173: 3,013,189
174: 2,977,513
176: 2,973,464
2,989,668
3,008,070
177: 3,009,084
178: 3,005,936
185: 2,975,340
186: 2,998,552
188: 2,975,341
3,007,085
3,007,086
189: 2,967,983
3,001,107
190: 2,972,091
2,987,655
2,987,656
191: 2,976,464
2,985,802
2,988,675
2,999,192
2,999,193
3,010,055
192: 2,987,657
193: 2,984,772
194: 3,004,195
198: 2,993,150
2,993,151
2,998,553
199: 2,979,643
200: 3,007,087
3,009,083
201: 2,981,871
2,993,152
230: Re.25,084
2,973,465
2,977,514
2,982,891
2,985,803
2,994,809
3,001,108
3,003,089
3,010,056
3,013,190
3,014,166
3,015,047
231: 2,992,371
234: Re.25,087
2,967,984
2,969,487
2,971,138
2,972,711
2,974,262
2,974,263
2,975,342
2,975,343
2,976,465
2,977,515
2,979,644
2,979,645
2,980,828
2,980,829
2,981,872
2,981,873
2,982,892
2,983,853
2,984,773
2,984,774
2,986,678
2,986,679
2,987,658
2,988,676
2,988,677
2,989,669
2,990,501
2,992,372
2,993,153
2,994,017
2,998,554
2,998,555
2,998,556
2,998,557
2,998,558
2,999,194
2,999,963
2,999,964
3,001,110
3,002,132
3,002,133
3,004,196
3,007,088
3,007,089
3,010,057
3,011,103
3,011,104
3,011,105
3,013,191
3,015,048
235: 2,967,985
2,968,750
2,968,751
2,971,139
2,971,140
2,972,092
2,975,344
2,978,617
2,978,618
2,980,830
2,980,831
2,980,832
2,981,874
2,981,875
2,981,876
2,981,877
2,982,893
2,983,854
2,985,804
2,985,805
235: 2,985,806
2,987,659
2,989,670
2,993,154
2,994,018
2,994,810
2,994,811
2,997,634
2,999,195
3,001,111
3,001,112
3,005,132
3,005,937
3,007,090
3,007,091
3,009,085
3,013,192
236: 2,970,248
2,980,833
2,982,891
2,985,807
3,001,113
3,002,134
3,012,174
237: 3,012,175
3,013,193
240: 2,973,466
2,984,775
2,990,502
3,002,135
3,007,092
242: 2,968,752
2,983,855
2,986,680
2,989,671
2,993,155
3,002,136
3,015,050
246: 2,976,466
2,982,895
2,994,019
2,998,559
249: 2,982,896
2,984,776
3,007,093
258: 2,967,986
2,975,345
2,977,516
2,983,856
2,988,679
2,995,688
2,997,635
3,004,197
3,012,176
3,015,051
259: 2,993,156
260: 2,969,488
3,009,086
3,014,167
261: 3,002,137
3,011,106
3,015,052
262: 2,980,834
2,986,681
2,987,660

Class 318

2: 3,009,087
5: 2,979,646
6: 2,988,680
7: 2,977,517
2,986,682
11: 2,990,503
3,003,090
3,003,091
3,008,071
14: 3,010,058
15: 3,005,133
16: 2,981,878
3,001,114
3,011,107
19: 2,972,093
2,989,672
3,011,108
21: 3,010,059
22: 2,980,835
23: 3,005,134
24: 2,978,619
3,011,109
28: 2,969,489
2,971,141
2,978,620
2,980,836
2,980,837
2,980,838
2,985,808
2,988,681
2,989,673
2,990,504
2,992,373
2,992,374
2,993,157
2,994,020
2,994,812
28: 2,996,647
2,998,560
2,999,196
2,999,965
3,004,198
3,004,199
3,004,200
3,005,938
3,005,939
3,008,072
3,010,060
3,011,110
3,013,194
3,015,053
29: 2,971,142
2,978,621
2,994,021
2,999,197
3,005,135
30: 2,974,264
2,976,467
2,984,777
2,987,661
2,997,636
3,008,073
31: 2,968,753
2,978,622
2,988,682
2,992,375
3,007,094
32: 2,967,268
2,990,505
3,012,177
37: 2,995,689
2,997,637
39: 2,983,857
2,989,674
41: 3,003,092
46: 2,970,249
2,982,897
47: 3,015,054
75: 2,967,987
77: 2,982,898
90: 2,970,250
99: 2,988,683
118: 2,991,400
119: 3,005,136
3,005,137
128: 2,988,684
3,011,111
132: 2,974,265
2,986,683
2,994,022
2,999,966
3,002,138
3,002,139
3,007,095
3,010,061
3,014,168
134: 2,979,647
3,003,093
137: 3,001,115
138: 2,976,468
2,977,518
2,980,839
2,986,684
2,994,023
2,995,690
143: 2,993,158
148: 3,004,201
151: 2,968,754
158: 2,974,266
2,992,376
162: 2,969,490
2,982,899
2,983,858
2,994,024
2,995,691
2,997,638
3,003,094
3,007,096
3,007,097
3,013,195
169: 2,975,346
170: 2,977,519
2,977,520
171: 2,999,967
181: 2,969,491
194: 3,003,095
195: 2,978,623
204: 2,994,025
207: 2,970,251
2,999,198
3,003,096
3,009,088
3,015,055
209: 2,985,809
211: 2,973,467
2,979,648
212: 2,989,675
2,991,401
2,996,648
3,011,112
216: 3,004,202
221: 2,967,269
2,986,685
2,991,402
3,004,203
224: 2,974,267
225: 2,994,026
232: 2,972,094
240: 2,975,347
246: 2,981,879
2,981,880
249: 2,978,624
254: 2,968,755
2,968,756
2,986,686
2,993,159
2,995,692
257: 2,973,468
2,975,348
2,977,521
2,982,900
3,004,204
260: Re.25,058
2,977,522
262: 2,985,810
264: 3,008,074
265: 2,999,199
266: 2,991,403
3,007,098
267: 2,992,377
2,992,378
3,002,140
271: 3,012,178
283: 2,994,813
284: 2,990,506
293: 2,976,469
305: 3,005,940
311: 3,013,196
314: 2,995,693
2,996,649
3,008,075
317: 2,967,270
325: 2,997,639
327: 3,007,099
329: 2,972,095
2,987,662
3,009,089
331: 2,975,349
2,977,523
2,986,687
332: 3,005,138
341: 2,976,470
345: 2,986,688
2,989,676
349: 2,974,268
373: 3,007,100
434: 2,969,493
443: 3,003,097
3,005,941
445: 3,012,179
448: 2,978,625
2,983,859
2,988,685
2,993,160
2,995,694
2,996,650
3,001,116
3,001,117
3,002,141
3,005,139
3,008,076
457: 3,012,180
460: 2,989,677
461: 2,989,678
466: 2,971,143
2,982,901
2,991,404
3,003,098
467: 2,976,471
2,989,679
2,989,680
2,994,814
3,001,118
3,001,119
3,003,099
3,011,113
3,011,114
468: 3,015,056
471: 2,991,405
473: 3,007,101
475: 2,991,406
480: 2,979,649
2,986,689
481: 2,982,902
2,989,681
487: 2,975,350
489: 2,971,144
2,975,351
2,996,651
2,999,200
3,005,140
3,008,077
3,008,078
490: 3,004,205
513: 2,985,811

Class 320

1: 2,977,524
2,998,561
2,999,968
3,005,942
3,013,197
3,014,169
2: 2,995,695
3,005,141
3,013,198
12: 2,975,352
13: 3,005,943
17: 3,003,100
19: 2,977,525
32: 2,986,690
35: 2,979,650
36: 2,967,988
38: 2,987,663
48: 2,996,652
2,999,969
64: 3,011,115

Class 321

2: 2,967,989
2,975,353
2,978,626
2,980,841
2,982,903
2,987,664
3,004,206
3,012,181
5: 2,986,691
3,005,944
8: 2,971,145
2,975,354
2,978,627
3,001,120
3,001,121
3,011,116
9: 3,002,142
11: 2,969,494
2,971,146
2,982,904
3,005,945
14: 2,969,495
2,972,096
2,989,682
15: 2,985,812
3,014,170
16: 2,978,628
2,987,665
2,989,683
3,005,142
3,007,102
18: 2,970,252
2,972,097
2,982,905
2,985,813
3,992,379
2,994,027
3,005,143
3,005,144
3,010,062
19: 2,971,147
3,005,145
3,013,199
3,014,171
24: 3,004,207
25: 2,970,253
2,971,148
27: Re.25,000
2,980,842
2,994,028
2,999,970
2,999,971
3,008,079
3,008,080
3,013,200
3,014,172
32: 2,973,469
2,997,640
40: 2,986,692
44: 2,983,860
45: 2,984,778
3,007,103
3,011,117
47: 2,982,906
3,012,182
48: 2,969,496
2,975,355
3,011,118
49: 2,998,562
57: 3,004,208
58: 2,968,757
63: 2,993,161
68: 2,968,758
69: 2,969,497
2,978,629
2,993,162
3,001,122
3,008,081
3,012,183
70: 2,979,651

Class 322

2: 3,013,201
3: 2,977,526
2,990,507
17: 3,009,090
3,012,184
18: 2,982,907
19: 2,979,652
2,993,163
23: 2,989,684
24: 2,972,098
2,981,882
25: 2,972,712
2,990,508
2,992,380
2,992,381
2,992,382
2,996,653
2,996,654
2,996,655
3,001,123
3,005,146
27: 3,007,104
28: 2,967,990
2,976,473
2,980,843
2,980,844
2,983,861
2,985,814
2,992,383
2,999,201
3,008,082
3,009,091
32: 2,985,815
2,995,696
3,012,185
36: 3,002,143
3,007,105
40: 2,988,686
48: 2,997,641
58: 3,009,092
61: 2,988,687
3,001,124
90: 3,012,186
97: 3,003,101

Class 323

1: 2,997,642
2: 3,013,202
4: 2,975,356
2,978,630
2,988,688
2,991,407
7: 2,990,509
8: 2,994,815
9: 2,974,269
2,976,474
2,976,475
2,994,029
3,005,147
16: 2,981,883
3,002,144
18: 2,970,254
2,985,816
22: 2,967,991
2,969,498
2,974,270
2,979,653
2,980,845
2,981,884
2,984,779
2,992,385
2,995,697
2,997,643
3,004,209
3,009,093
24: 3,005,946
36: 2,968,759
43.5: 2,976,476
2,977,527
2,989,685
3,015,057
44: 2,975,357
2,999,972
45: 2,978,631
2,991,408
2,994,030
2,996,656
3,014,173
47: 2,976,477
51: 2,975,358
52: 2,972,099
53: 3,011,119
56: 2,976,478
2,985,817
2,988,689
2,989,686
2,997,644
3,012,187
57: 2,992,386
58: 2,968,760
2,987,666
3,005,947
60: 2,967,271
2,973,470
2,999,973
3,015,058
61: 2,983,862
64: 2,998,563
66: 2,967,992
2,974,271
2,977,528
2,984,780
2,989,687
2,993,164
2,994,816
3,001,125
3,009,094
67: 2,969,499
69: 2,982,908
2,983,863
3,001,126
3,008,083
74: 2,972,713
2,977,529
2,999,202
3,005,148
75: 3,007,106
3,008,084
3,010,063
79: 2,992,387
89: 2,972,100
2,972,714
2,972,715
2,974,272
2,976,479
2,978,632
2,978,633
2,980,846
2,980,847
2,985,818
2,987,667
2,989,688
2,989,689
2,990,510
2,991,409
2,998,564
3,002,145
3,003,102
3,004,210
3,012,188
90: 3,001,127
92: 2,992,388
100: 2,991,410
101: 3,015,059
102: 3,010,064
105: 3,002,146
3,002,147
106: 2,976,480
109: 2,967,993
2,976,481
128: 2,990,511

Class 324

.5: 2,968,761
2,968,762
2,973,471
2,982,909
2,984,781
2,984,782
2,995,698
2,996,657
2,996,658
2,998,565
2,999,203
2,999,204
2,999,974
2,999,975
2,999,976
2,999,977
2,999,978
3,004,211
3,004,212
3,005,149
1: 2,967,272
2,972,101
2,973,472
2,974,273
2,978,634
2,986,693
2,988,690
2,988,691
3,002,148
3,007,107
3,014,174
3,014,175
3: 2,999,979
4: 2,995,699
3,014,176
3,015,060
5: 2,991,411
6: 2,987,668
2,994,031
2,997,645
7: 2,992,389
8: 3,014,177
10: 2,986,694
2,986,695
2,988,692
16: 2,974,274
3,005,948
17: 2,969,500
20: 2,974,275
2,976,482
2,978,635
3,005,949
22: 2,995,700
23: 2,971,149
2,983,864
3,004,213
24: 2,985,819
2,996,659
25: 2,994,817
26: 2,973,473
2,985,820
28: 2,997,646
3,007,108
29: 2,974,276
2,991,412
29.5: 2,991,413
2,999,980
30: 2,972,102
2,972,103
2,985,821
3,003,103
3,004,214
3,009,095
3,014,178
3,015,061
32: 2,993,165
2,994,818
2,996,660
3,011,120
3,013,203
33: 2,972,716
2,996,661
3,001,128
3,009,096
3,009,097
3,009,098
34: 2,969,501
2,970,255
2,973,474
2,975,359
2,979,654
2,980,848
2,985,822
2,985,823
2,989,690
2,989,691
2,999,981
3,001,129
3,001,130
3,003,104
3,004,215
3,007,109
3,013,204
3,013,205
3,015,062
37: 2,967,994
2,970,256
2,980,849
2,980,850
2,989,692
2,992,390
2,994,032
2,995,701
2,996,662
2,998,566
3,015,063
38: 2,979,655
2,990,512
2,994,033
3,013,206
40: 2,971,150
2,985,824
2,989,693
2,993,166
3,012,189
41: 2,971,151
2,994,034
3,002,149
3,012,190
43: 2,972,104
2,972,105
2,974,277
2,975,360
2,976,483
2,981,885
2,983,865
2,984,783
2,990,513
2,991,414
2,996,663
2,997,647
2,997,648
3,012,191
44: 2,998,567
45: 2,987,669
2,995,702
3,003,105
51: 2,970,257
2,976,484
2,976,485
2,977,530
2,989,694
2,994,819
52: 2,974,278
2,980,851
2,993,167
3,004,216
3,009,099
53: 3,004,217
3,007,110
54: 2,977,531
2,978,636
2,978,637
2,979,656
2,981,886
2,994,820
2,996,664
3,005,150
3,009,100
55: 2,990,514
56: 2,967,995
57: 2,970,258
2,971,152
2,972,106
2,980,852
2,980,853
2,982,910
2,986,696
2,988,693
3,005,151
3,012,192
58: 2,967,996
2,983,866
58.5: 2,971,153
2,999,982
60: 2,973,475
2,973,476
2,982,911
61: 2,971,154
2,973,477
2,985,825
2,985,826
2,992,391
2,992,392
2,993,168
2,997,649
3,002,150
3,003,106
3,009,101
3,012,193
62: Re.24,977
2,968,763
2,974,279
2,977,532
2,995,703
2,995,704
3,009,102
63: 2,976,486
65: 2,975,361
2,982,912
2,984,784
2,985,827
2,987,670
2,994,821
3,005,152
3,005,153
3,005,154
68: 2,974,280
2,976,487
2,985,828
2,986,697
2,993,169
2,994,822
2,996,665
3,004,218
3,009,103
3,009,104
3,010,065
3,011,121
3,011,122
3,013,207
3,013,208
70: 2,969,502
2,972,107
2,978,638
2,983,867
2,983,868
2,985,829
2,987,671
2,989,695
2,995,705
3,003,107
3,004,219
3,005,155
3,010,066
71: 2,970,259
2,975,362
2,977,533
2,985,830
2,987,672
2,994,035
71: 3,008,085
72: 2,969,503
2,980,854
2,980,855
73: 2,967,997
2,970,260
2,977,534
2,977,535
2,982,913
2,983,869
2,985,831
2,987,673
2,988,694
2,996,666
74: 2,980,856
2,989,696
3,001,131
76: 2,970,261
77: 2,967,273
2,967,274
2,967,998
2,971,155
2,973,478
2,974,281
2,979,657
2,983,870
2,994,036
2,996,667
2,997,650
2,998,568
3,001,132
3,009,105
3,009,106
3,013,209
78: 2,986,698
2,987,674
2,991,415
2,992,384
2,995,706
3,004,220
3,012,194
79: 2,969,504
2,972,108
2,977,536
2,986,699
2,991,416
2,995,707
2,996,668
2,999,205
80: 3,007,111
81: 2,977,537
2,993,170
82: 2,988,695
83: 2,970,262
2,971,156
2,977,538
2,988,696
2,989,697
2,989,698
2,994,037
3,001,133
3,009,107
3,011,123
3,015,064
85: 2,986,700
86: 2,988,697
87: 2,970,263
2,984,785
88: 2,987,675
89: 2,984,786
94: 2,970,264
95: 2,973,479
2,989,699
2,991,417
3,001,134
3,001,135
97: 3,011,124
98: 2,981,887
2,988,698
2,993,171
3,004,221
99: 2,974,282
2,996,669
100: 2,996,670
3,014,179
102: 2,984,787
103: 2,989,700
2,994,038
2,997,651
3,012,195
106: 2,970,265
2,991,418
2,995,708
2,997,652
107: 2,997,653
2,998,569
110: 2,994,039
111: 2,982,914
3,005,950
3,007,112
3,009,108
114: 2,998,570
3,010,067
115: 2,979,658
2,981,888
2,989,701
3,005,156
3,012,196
117: 2,988,699
119: 2,983,871
121: 2,967,999
2,991,419
122: 2,988,700
123: 2,970,266
3,011,125
130: 3,012,197
131: 2,986,701
133: 2,993,172
3,010,068
140: 2,968,764
2,979,659
2,999,206
3,003,108
141: 2,996,671
142: 3,008,086
144: 2,974,283
146: 2,968,000
2,970,267
2,978,639
3,013,210
147: 2,970,268
2,998,571
150: 2,973,480
2,974,284
2,980,857
2,996,672
3,004,222
3,005,951
151: 2,972,717
2,978,640
2,985,832
2,996,673
3,005,952
154: 2,982,915
3,011,126
3,015,065
155: 3,001,136
156: 2,968,765
3,015,066
158: 2,968,001
2,976,488
2,978,641
2,982,916
2,999,983
3,005,953
3,007,113
3,009,109
3,012,198

Class 328

13: 2,991,420
14: 3,007,114
15: 2,972,109
19: 2,981,889
20: 2,978,642
21: 2,997,654
24: 2,985,833
26: 3,012,199
27: 2,983,872
2,995,709
28: 2,975,363
31: 2,975,364
2,985,834
32: 2,989,702
35: 2,972,110
2,984,788
37: 2,975,365
2,985,835
2,988,701
38: 2,970,269
3,001,137
3,014,180
39: 2,996,674
40: 2,992,393
2,993,173
42: 2,971,157
2,977,539
3,007,115
43: 2,968,002
44: 2,968,003
2,999,207
48: 2,972,718
3,011,127
49: 2,977,540
52: 2,977,541
54: 2,985,836
55: 2,976,489
3,005,157
3,014,181
56: 2,972,111
58: 2,970,270
2,995,710
3,002,151
3,005,158
59: 2,987,676
62: 2,971,158
2,991,421
3,002,152
3,005,159
63: 2,978,643
2,980,858
3,002,153
64: 3,003,109
65: 2,986,702
2,994,823
67: 2,967,275
2,979,660
71: 2,970,271
72: 2,972,112
2,981,890
2,985,837
3,001,138
3,008,087
73: 3,015,067
74: 2,970,272
78: 2,999,208
81: 2,994,824
86: 2,978,644
91: 2,974,285
3,005,160
92: 2,967,276
97: 3,004,223
101: 2,978,645
3,001,139
108: 2,977,542
109: 2,972,113
2,983,873
3,013,211
110: 2,976,490
2,977,543
3,014,182
112: 2,975,366
114: 2,975,367
3,011,128
115: 2,996,675
116: 2,974,286
119: 2,991,422
120: 2,984,789
121: 2,985,838
124: 2,981,891
2,984,790
3,003,110
127: 2,069,505
2,977,544
2,999,209
129: 2,994,825
3,005,161
132: 2,996,676
133: 2,968,004
2,979,661
2,986,703
2,992,394
2,993,174
134: 2,996,677
3,012,200
3,012,201
135: 3,001,140
137: 3,013,212
139: 2,979,662
140: 2,975,368
2,994,826
3,012,202
142: 2,986,704
2,988,702
143: 2,975,369
2,996,678
145: 2,975,370
150: 2,979,663
3,009,110
151: 3,011,129
155: 2,976,491
2,981,892
2,994,827
158: 3,010,069
3,015,068
160: 3,004,224
165: 2,971,159
2,994,828
166: 2,983,874
168: 2,975,371
169: 2,985,839
171: 2,990,531
177: 2,990,515
2,994,829
3,013,213
178: 2,996,679
182: 2,993,175
184: 2,977,545
185: 3,003,111
3,010,070
186: 3,010,071
196: 2,973,481
2,989,703
200: 2,989,704
3,008,088
206: 2,981,893
213: 2,975,372
219: 2,972,719
223: 2,968,766

Class 328—Con.

229: 2,982,917
2,988,703
236: 3,005,954
237: 2,970,273
258: 2,980,859
267: 3,005,162

Class 329

50: 3,009,111
102: 2,988,704
2,996,680
103: 2,994,830
2,996,681
106: 3,009,112
107: 3,014,183
109: 3,002,154
110: 2,994,831
112: 2,968,767
116: 2,997,655
123: 2,973,482
138: 2,974,287
141: 2,984,791
150: 3,015,069
162: 3,002,155
3,010,072

Class 330

2: 2,978,646
2,978,647
3: 2,979,664
3,015,070
3,015,071
4: 2,976,492
2,981,894
2,993,176
2,995,711
3,001,141
3,001,142
3,002,156
3,003,112
3,004,225
3,013,214
3,015,072
5: 2,970,274
2,970,275
3,008,089
3,012,203
3,012,204
3,014,184
6: 2,980,860
7: 3,001,143
8: 3,014,185
3,015,073
9: 2,968,005
2,970,276
3,015,074
10: 2,974,288
2,978,648
2,980,861
2,981,881
2,984,792
2,985,840
2,990,516
2,991,423
3,005,163
3,005,955
3,007,116
3,008,090
11: 2,980,840
13: 2,994,832
14: 2,979,665
2,985,841
3,005,956
15: 2,972,114
3,013,215
3,015,075
17: 2,979,666
2,982,918
3,001,144
3,008,091
18: 2,981,895
2,994,933
2,999,984
19: 2,979,667
2,985,842
2,995,712
3,001,145
3,005,957
3,005,958
3,009,113
21: 2,983,875
2,996,683
22: 3,015,076
24: 3,014,186
25: 2,977,546
3,011,130
28: 2,994,040
29: 2,997,656
30: 2,997,657
31: 2,997,658
3,001,146
32: 2,998,572
34: 2,997,659
36: 2,979,668
39: 2,994,834
40: 2,970,277
2,991,424
41: 2,975,373
2,975,374
53: 2,981,896
56: 2,978,649
2,995,713
65: 2,971,160
2,986,705
69: 2,974,289
2,977,547
3,003,113
70: 2,970,278
2,974,290
2,987,677
2,993,177
3,003,114
3,011,131
76: 2,980,862
79: 3,008,092
80: 2,986,706
2,996,682
2,999,985
84: 3,001,147
85: 2,971,161
86: 2,986,707
3,001,148
89: 2,994,835
3,002,157
94: 2,988,705
95: 3,013,216
106: 3,011,132
107: 2,976,493
2,991,425
108: 3,005,164
109: 2,987,678
110: 2,992,395
112: 2,983,876
116: 2,971,162
123: 2,968,006
124: 2,968,768
133: 2,971,163
3,003,115
137: 2,982,919
138: 2,985,843
2,987,679
141: 3,003,116
143: 3,001,149
145: 2,971,164
2,999,210
149: 2,989,705
2,999,986
151: 2,997,660
194: 2,986,708
207: 2,969,506

Class 331

1: 3,010,073
2: 2,987,680
3: 2,972,115
2,994,836
4: 2,972,720
2,991,426
7: 2,994,041
11: 2,968,007
3,005,165
3,005,959
14: 2,968,769
3,003,117
17: 2,982,920
2,982,921
37: 2,967,277
2,998,573
38: 2,973,483
2,996,684
3,005,960
3,009,114
39: 2,992,396
44: 2,976,494
2,992,397
45: 2,971,165
50: 2,988,706
2,989,706
51: 2,973,484
2,996,685
3,007,117
52: 2,983,877
2,990,517
54: 3,005,961
55: 2,992,398
3,003,118
56: 2,980,863
2,991,427
58: 2,983,878
60: 2,994,837
62: 2,979,669
2,997,661
3,005,166
64: 2,979,670
65: 2,967,278
2,998,574
3,015,077
66: 2,985,844
70: 2,998,575
75: 2,985,845
2,991,428
2,998,576
76: 2,982,922
78: 2,974,291
2,975,375
2,997,662
81: 3,005,962
82: 3,003,119
3,008,093
87: 2,979,671
2,997,663
94: 2,975,376
2,990,518
3,013,217
3,013,218
96: 2,975,377
98: 2,994,042
99: 2,981,897
105: 2,977,548
107: 2,988,707
2,995,714
3,011,133
108: 2,970,279
109: 2,980,864
2,992,399
2,997,664
3,003,120
3,012,205
110: 2,970,280
111: 2,968,770
2,988,708
2,991,429
2,994,838
3,003,121
112: 2,977,549
2,981,898
2,985,846
2,988,709
2,998,577
3,013,219
113: 2,968,008
2,971,166
2,977,550
2,987,681
2,990,519
2,994,839
2,997,665
3,004,226
3,005,963
3,009,115
3,010,074
3,012,206
3,013,220
116: 2,980,865
2,981,899
3,010,075
117: 2,972,116
2,983,879
2,985,847
2,985,848
2,986,709
129: 2,999,211
135: 2,980,866
136: 2,983,880
3,008,094
137: 3,012,207
3,013,221
139: 3,010,076
144: 2,968,009
2,978,650
3,013,222
145: 2,974,292
2,979,672
146: 2,993,178
148: 2,969,507
149: 2,972,117
2,972,118
2,974,293
3,009,116
152: 2,980,867
3,015,078
153: 3,001,150
3,012,208
157: 2,979,673
164: 3,010,077
170: 2,978,651
177: 2,972,119
181: 2,976,495
183: 2,971,167
2,991,430

Class 332

1: 2,976,496
2,997,666
2,999,987
3,004,227
3: 2,967,279
2,978,652
5: 2,971,168
2,995,715
9: 2,971,169
2,982,923
2,998,578
3,003,122
11: 2,990,520
12: 2,976,472
2,979,674
2,983,881
2,994,840
13: 2,970,281
14: 2,984,793
3,002,158
15: 3,010,078
16: 2,974,291
2,984,794
2,988,710
2,994,043
17: 2,975,378
18: 3,008,095
19: 3,005,964
21: 3,005,167
22: 2,978,653
3,002,159
3,003,123
26: 2,972,120
2,985,849
29: 2,999,212
3,002,160
3,007,118
31: 2,984,795
2,987,682
3,007,119
37: 2,981,900
3,012,209
38: 2,969,508
2,970,282
39: 2,984,796
41: 2,968,010
45: 2,987,683
2,988,711
2,989,707
3,002,161
47: 2,994,044
3,003,121
3,010,079
49: 2,983,882
51: 2,975,379
2,980,868
2,986,710
2,986,711
2,990,521
2,991,841
2,997,667
2,998,579
3,001,151
3,003,125
3,007,120
52: 2,977,551
2,990,522
3,013,223
58: 2,974,295

Class 333

1: 3,002,162
2: 2,997,668
6: 2,982,924
7: 2,973,485
2,980,869
2,980,870
2,984,797
2,985,850
2,990,523
2,993,179
2,995,716
2,997,669
2,997,670
2,999,213
3,008,096
3,008,097
3,008,098
3,009,117
3,009,118
3,010,080
3,011,131
3,015,079
9: 2,970,283
2,971,170
2,972,721
2,972,722
2,973,486
2,975,380
2,976,497
2,976,498
2,978,654
2,984,798
2,991,431
2,993,180
2,994,842
3,008,099
3,010,081
9: 3,010,082
3,010,083
10: 2,972,121
2,975,381
2,976,499
2,979,675
2,999,988
3,012,210
11: 2,973,487
2,976,500
2,988,712
13: 2,977,552
2,981,901
2,991,432
14: 2,986,712
16: 3,011,135
17: 2,978,655
2,981,902
2,993,181
2,997,671
18: 3,013,224
20: 2,968,011
3,015,080
21: 3,002,163
3,004,228
3,008,100
22: 2,996,686
3,001,152
24: 2,981,903
2,983,883
2,985,851
2,990,524
2,994,045
2,994,046
2,997,672
3,002,164
3,005,965
3,009,119
3,010,084
3,010,085
3,010,086
3,013,225
26: 3,013,226
28: 2,969,509
2,980,871
2,991,433
2,994,843
3,010,087
29: 2,984,799
30: 2,971,171
2,982,925
2,982,926
2,984,800
2,996,687
3,011,136
3,012,211
31: 2,995,717
3,001,153
3,005,168
3,005,966
3,008,101
3,013,227
32: 2,976,501
33: 2,969,510
2,977,553
2,983,884
2,985,852
3,003,126
3,008,102
34: 2,970,284
2,973,488
2,979,676
2,981,904
2,982,927
35: 2,979,677
70: 2,982,928
2,984,801
2,988,713
2,994,844
71: 2,969,511
2,981,905
2,994,047
2,996,688
2,999,989
3,005,169
3,013,228
72: 2,969,512
2,974,296
2,980,872
2,988,714
2,990,525
3,009,120
73: 2,968,012
2,968,771
2,968,772
2,972,122
2,984,802
2,997,673
3,001,154
3,008,103
3,013,229
75: 2,978,656
2,996,689
3,009,121
76: 2,973,489
77: 2,997,674
79: 2,973,490
2,994,048
3,007,121
80: 2,968,773
2,998,580
2,998,581
3,001,155
3,001,156
3,001,157
81: 2,968,774
2,968,775
2,973,491
2,979,678
2,981,906
2,981,907
2,985,853
2,989,708
2,991,049
3,002,165
3,002,166
3,005,967
3,009,122
3,014,187
82: 2,968,776
83: 2,968,013
2,981,908
2,996,690
2,998,582
3,002,167
3,009,123
3,013,230
3,014,188
84: 2,994,050
3,004,229
95: 2,986,713
2,991,434
2,996,691
3,007,122
3,008,104
96: 2,992,407
97: 2,973,492
2,991,435
2,995,718
2,997,675
3,015,081
98: 2,967,280
2,969,513
2,971,172
2,973,493
2,974,297
2,975,382
2,975,383
2,978,657
2,979,679
2,980,873
2,989,709
2,990,526
2,996,692
3,001,158
3,001,159
3,001,160
3,005,968
3,007,123
3,008,105
3,010,088
3,011,137
99: 2,991,436

Class 334

51: 3,013,152
58: 3,013,231

Class 336

5: 2,991,437
3,008,106
12: 2,987,684
15: 2,982,929
2,993,182
3,001,161
20: 2,989,710
30: 2,981,909
2,985,854
2,986,714
2,986,715
2,989,711
2,990,527
2,991,438
3,003,127
45: 2,983,885
55: 2,992,405
57: 2,992,406
3,009,124
58: 2,977,554
2,981,910
2,990,528
2,997,676
60: 2,985,855
2,993,183
61: 2,998,583
3,001,162
68: 2,994,845
69: 2,978,658
75: 3,003,128
77: 2,975,384
83: 2,976,502
87: 3,003,129
3,011,138
3,014,189
92: 2,983,886
3,014,190
94: 2,976,503
96: 2,975,385
2,978,659
2,988,715
2,996,693
98: 3,011,139
100: 3,007,124
107: 2,968,777
2,975,386
3,004,230
110: 3,010,089
115: 2,994,051
120: 2,996,694
3,014,191
131: 2,988,716
134: 2,967,281
3,005,969
135: 2,978,660
2,985,856
136: 2,995,719
148: 2,985,857
155: 2,996,695
165: 2,977,555
170: 2,971,173
175: 2,972,723
179: 2,999,214
180: 3,008,107
3,009,125
185: 2,976,504
2,977,556
2,986,716
3,008,108
192: 2,980,874
2,999,990
198: 3,011,140
210: 2,985,858
213: 2,968,778
2,972,724
2,999,215
3,011,141
217: 2,973,494
2,989,712
2,995,720
3,001,163
221: 3,007,125

Class 338

2: 2,992,400
2,994,052
3,005,170
3,008,109
4: 2,969,514
2,981,911
2,981,912
2,995,721
2,998,584
5: 2,979,680
2,998,585
3,004,231
3,009,126
7: 2,977,557
10: 2,987,685
13: 2,982,930
2,991,439
3,004,232
15: 2,997,677
17: 2,975,387
2,986,717
3,013,232
18: 2,970,285
2,981,913
2,983,887
2,983,888
2,987,686
2,994,053
3,005,970
3,012,212
19: 2,994,054
20: 2,989,713
2,999,216
22: 2,968,014
2,976,505
2,977,558
2,978,661
25: 2,969,515
2,980,875
2,990,529
26: 3,009,127
28: 2,973,495
2,988,717
2,988,718
2,996,696
3,005,171

32: 2,983,889
2,989,714
2,989,715
2,989,716
36: 2,987,687
40: 2,976,506
3,013,233
3,013,234
3,013,235
41: 2,973,496
2,984,803
3,013,236
43: 2,997,678
44: 2,977,559
2,988,719
67: 2,972,725
2,977,560
2,990,530
80: 3,013,237
83: 3,003,130
84: 3,008,110
89: Re.25,032
2,979,681
108: 2,988,720
116: 2,975,388
118: 3,010,090
125: 2,985,859
130: 2,971,174
134: 3,012,213
135: 2,968,015
143: 2,973,497
2,978,662
2,979,682
2,979,683
145: 2,998,586
159: 2,984,804
160: 2,974,298
2,978,663
162: 2,981,914
2,988,721
2,999,991
3,004,233
163: 2,974,299
2,999,992
166: 2,968,779
2,989,717
170: 2,974,300
171: 2,981,915
172: 3,007,126
174: 2,989,718
2,993,184
3,007,127
3,011,142
176: 2,975,389
2,993,185
2,999,993
180: 2,976,508
2,997,679
2,999,994
2,999,995
3,002,168
3,013,238
181: 2,972,123
183: 2,979,684
2,980,876
2,982,931
2,987,688
2,998,587
3,005,172
190: 2,976,507
202: 2,972,124
3,008,111
208: 2,985,860
212: 2,982,932
217: 2,978,664
221: 3,004,234
223: 2,978,665
237: 2,977,561
3,012,214
238: 2,987,689
239: 2,988,722
243: 3,010,091
258: 2,967,282
2,980,877
261: 2,993,186
270: 2,971,175
272: 2,982,933
277: 2,984,805
283: 2,984,806
284: 2,969,516
296: 2,973,498
297: 2,972,726
308: 2,994,846
2,994,847
309: 3,010,092
312: 3,012,215
314: 2,971,176
317: 3,013,239
322: 3,012,216
323: 2,982,934
328: 2,994,848
329: 2,976,509
2,999,996
330: 2,984,807
331: 3,013,240

Class 339

2: 2,999,217
3,001,164
5: 2,971,177
2,979,685
2,981,916
2,983,891
2,994,055
3,014,192
7: 2,971,178
8: 2,967,283
2,999,218
3,005,173
3,014,193
9: 2,981,917
13: 3,009,128
14: 2,970,286
2,970,287
2,974,301
2,984,808
2,986,718
2,990,532
3,005,174
3,013,241
17: 2,967,284
2,968,780
2,969,517
2,971,179
2,972,727
2,973,499
2,976,510
2,977,562
2,978,666
2,980,878
2,982,935
2,984,809
2,990,533
2,993,187
2,993,188
2,994,056
2,994,057
2,997,680
2,999,997
3,001,165
3,003,131
3,008,112
3,008,113
18: 2,967,285
2,983,892
3,002,169
3,002,170
3,004,235
21: 2,979,686
3,012,217
22: 2,968,781
2,968,782
2,992,401
2,999,219
3,012,218
3,015,082
23: 3,003,132
30: 2,988,723
31: 2,969,518
2,977,563
2,989,719
32: 3,001,166
3,008,114
33: 2,969,519
2,976,511
2,982,936
2,984,810
36: 2,987,690
45: 2,975,390
2,977,564
2,980,879
2,984,811
2,986,719
3,008,115
49: 2,987,691
3,011,143
50: 2,980,880
3,005,175
51: 2,995,722
52: 2,984,812
3,002,171
3,002,172
53: 2,973,500
59: 2,968,783
2,973,501
2,976,512
2,984,813
2,993,189
3,003,133
61: 2,972,125
2,973,502
3,003,134
63: 3,013,242
64: 2,972,728
2,984,814
2,999,998
74: 2,987,692
2,997,681
75: 2,968,016
2,981,919
2,984,815
2,997,682
2,998,588
3,005,176
3,007,128
3,014,194
88: 2,968,017
89: 2,981,920
2,982,937
2,986,720
3,001,167
90: 3,008,116
91: 2,975,391
2,983,893
2,987,693
92: 2,976,513
2,977,565
94: 2,984,816
3,005,971
95: 2,968,018
2,978,667
2,983,894
2,988,724
3,002,173
3,008,117
3,011,144
97: 2,981,921
2,982,938
3,005,177
98: 3,012,219
99: 2,975,392
2,987,694
2,989,720
2,997,683
100: 2,993,190
2,994,058
101: 2,979,687
3,005,972
103: 2,967,286
2,981,918
3,004,236
3,009,129
105: 2,969,520
106: 2,991,441
108: 2,989,721
109: 2,986,721
110: 2,997,684
119: 2,977,566
3,002,174
126: 2,988,725
2,991,442
3,002,175
128: 2,982,939
3,005,178
130: 2,987,695
131: 3,014,195
145: 2,993,191
2,995,723
3,014,196
146: 2,987,696
2,993,192
2,999,220
149: 2,997,685
2,997,686
150: 3,013,243
151: 2,968,019
3,007,129
159: 2,994,849
3,005,179
164: 2,991,443
3,001,168
174: 2,970,288
176: 2,999,221
3,002,176
3,004,237
3,009,130
3,012,220
3,015,083
177: 3,001,169
180: 2,993,193
182: 3,014,197
183: 2,983,895
184: 2,975,393
2,983,896
186: 2,999,222
188: 2,994,059
191: 2,989,722
2,997,687
192: 2,968,020
2,980,881
2,980,882
3,007,130
193: 2,972,729
194: 2,979,688
197: 2,968,784
198: 2,967,287
2,973,503
2,981,922
2,981,923
2,983,897
2,984,817
2,985,861
198: 2,988,726
2,990,534
2,991,444
2,992,402
2,998,589
3,001,170
3,002,177
3,005,180
3,007,131
205: 2,999,223
207: 2,971,180
208: 2,968,785
209: 2,968,786
213: 2,968,787
2,989,723
2,992,403
217: 2,979,689
2,981,924
2,989,724
2,995,724
3,001,171
3,004,238
3,007,132
3,008,118
220: 2,969,521
221: 2,972,730
223: 2,981,925
2,983,898
226: 3,004,239
239: 2,975,394
3,005,181
242: 3,001,172
245: 3,005,182
3,013,244
252: 2,975,395
2,980,883
253: 2,977,567
3,001,173
256: 2,981,926
2,992,404
3,010,093
3,013,245
358: 2,967,288
2,983,899
2,987,697
3,012,221
262: 3,003,135
263: 3,001,174
265: 2,999,224
268: 2,967,289
272: 2,967,290
2,976,514
2,976,515
2,984,818
2,997,688
3,015,084
273: 2,988,727
2,994,850
276: 2,998,590
3,008,119
277: 2,968,788
278: 2,974,302

Class 340

1: 2,973,504
2,991,445
2,997,689
2,998,591
2: 2,978,668
2,981,927
3: 2,972,731
2,977,568
2,982,940
2,983,900
2,987,698
2,987,699
2,994,060
2,995,725
3,005,973
3,012,222
3,013,246
4: 3,005,974
5: 2,972,732
2,975,396
2,975,397
2,977,569
3,003,136
3,013,247
3,014,198
6: 2,968,021
2,977,570
2,987,700
3,002,178
3,005,183
8: 2,977,571
2,978,669
2,979,690
2,999,225
9: 2,989,725
10: 2,977,572
2,983,901
2,988,728
3,002,179
11: 2,978,670
2,984,819
12: 2,978,671
2,979,691
3,007,133
13: 3,001,175
14: 2,975,398
2,977,573
2,978,672
15: 2,967,291
2,967,292
2,968,022
2,972,733
2,975,399
2,978,673
2,979,692
2,980,884
2,980,885
2,981,928
2,986,722
2,987,701
2,988,729
2,989,726
2,990,535
2,991,446
2,991,447
2,994,851
2,997,690
2,998,592
2,998,593
3,002,180
3,005,184
3,011,145
3,011,146
3,012,223
3,015,085
3,015,086
16: 2,982,941
2,982,942
17: 3,009,131
3,011,147
18: 2,973,505
2,974,303
2,982,943
3,007,134
3,008,120
19: 2,980,886
2,991,448
26: 2,968,023
2,975,400
2,979,693
2,989,727
3,012,224
27: 2,978,674
3,005,185
31: 2,999,999
34: 3,014,199
40: 2,980,887
2,989,728
41: 2,997,691
43: 3,005,186
51: 2,985,862
52: 2,981,929
2,982,944
2,996,697
2,999,226
3,005,187
3,009,132
58: 2,990,536
61: 2,979,694
3,012,225
62: 2,980,888
3,008,121
65: 2,984,820
71: 3,014,200
74: 3,004,240
81: 2,968,024
2,980,889
2,987,702
2,996,698
3,005,975
3,014,201
84: 2,970,289
2,975,401
3,007,135
85: 2,970,290
104: 2,974,304
107: 2,967,293
108: 2,994,061
125: 2,968,025
147: 2,973,506
2,974,305
2,975,402
2,986,723
2,989,729
2,990,537
2,991,449
2,994,852
2,995,726
3,001,176
3,007,136
3,008,122
3,011,148
3,011,149
149: 2,967,294
2,968,789
2,975,403
2,977,574
2,978,675
2,979,695
2,982,945
2,984,821
2,984,822
2,985,863
2,992,408
2,994,062
2,995,727
2,995,728
2,997,692
3,000,000
3,000,001
3,008,123
3,011,150
3,011,151
3,011,152
3,015,087
3,015,088
150: 2,993,194
153: 2,980,890
154: 2,978,676
3,011,153
155: 2,973,507
156: 2,983,902
2,983,903
2,994,063
163: 2,981,930
3,009,133
164: 2,968,790
2,975,404
2,976,516
2,987,703
2,989,730
3,000,002
3,004,241
3,012,226
3,013,248
166: 2,986,724
2,992,409
2,992,410
3,005,976
3,014,202
167: 2,978,677
2,992,411
3,005,188
168: 2,980,891
170: 3,008,124
3,008,125
171: 2,992,412
3,001,177
3,009,134
172: 2,972,126
2,999,227
172.5: 2,967,295
2,967,296
2,968,026
2,968,027
2,968,791
2,968,792
2,968,793
2,969,522
2,970,291
2,970,292
2,972,127
2,972,128
2,974,306
2,974,307
2,975,405
2,976,517
2,978,678
2,978,679
2,978,680
2,981,931
2,982,946
2,983,904
2,984,823
2,984,824
2,985,864
2,985,865
2,987,704
2,987,705
2,989,731
2,989,732
2,990,538
2,991,450
2,991,451
2,991,452
2,991,453
2,991,454
2,992,413
2,993,195
2,994,064
2,994,065
2,994,066
2,995,729
2,995,730
2,996,699
3,000,003
3,003,137
3,004,242
172.5: 3,007,137
3,007,138
3,008,126
3,008,127
3,010,094
3,010,095
3,011,154
3,012,227
3,012,228
3,012,229
3,012,230
3,013,249
3,013,250
3,013,251
3,015,089
173: 2,976,518
2,985,866
2,987,706
2,994,853
2,997,693
2,997,694
2,999,228
3,002,181
3,009,135
3,011,155
3,011,156
3,014,203
173.1: 2,968,794
2,977,575
2,999,229
3,001,178
3,001,179
173.2: 2,972,734
2,979,696
2,989,733
3,002,182
3,007,139
3,011,157
3,015,090
174: 2,968,028
2,968,029
2,968,030
2,968,795
2,968,796
2,968,797
2,969,523
2,969,524
2,969,529
2,970,293
2,970,294
2,970,295
2,970,296
2,970,297
2,970,298
2,971,181
2,972,129
2,972,130
2,973,508
2,974,308
2,974,309
2,974,310
2,974,311
2,975,406
2,976,519
2,977,576
2,977,577
2,978,681
2,978,682
2,978,683
2,978,684
2,979,697
2,979,698
2,979,699
2,979,700
2,979,701
2,979,702
2,979,703
2,980,892
2,980,893
2,981,932
2,981,933
2,981,934
2,981,935
2,982,947
2,982,948
2,983,905
2,983,906
2,984,825
2,985,867
2,985,868
2,987,707
2,987,708
2,988,730
2,988,731
2,988,732
2,988,733
2,988,734
2,989,734
2,990,539
2,990,540
2,991,455
2,991,456
2,991,457
2,992,414
2,992,415

Class 340—Con.

174: 2,992,416
2,993,196
2,993,197
2,993,198
2,994,067
2,994,068
2,994,069
2,994,070
2,994,071
2,994,854
2,994,855
2,995,731
2,995,732
2,995,733
2,995,734
2,995,735
2,996,700
2,996,701
2,997,695
2,997,696
2,998,594
3,000,004
3,002,183
3,002,184
3,003,138
3,003,139
3,003,140
3,003,141
3,004,243
3,004,244
3,004,245
3,004,246
3,005,977
3,007,140
3,007,141
3,007,142
3,008,128
3,008,129
3,008,130
3,009,136
3,010,096
3,011,158
3,011,159
3,012,231
3,013,252
3,014,204
3,015,091
3,015,092
174.1: 2,968,798
2,968,799
2,969,525
2,969,526
2,969,527
2,969,528
2,970,299
2,970,300
2,971,182
2,972,131
2,972,735
2,972,736
2,972,737
2,972,738
2,974,312
2,975,407
2,977,578
2,977,579
2,978,685
2,978,686
2,978,687
2,981,936
2,984,826
2,984,827
2,986,725
2,987,709
2,988,735
2,988,736
2,989,735
2,994,072
2,994,856
2,994,857
2,997,697
2,998,595
3,001,180
3,001,181
3,004,247
3,005,189
3,007,143
3,007,144
3,007,145
3,007,146
3,011,160
3,012,232
3,012,233
3,012,234
3,013,253
3,013,254
3,013,255
176: 2,976,520
177: 2,979,704
178: 2,979,705
179: 2,990,541
3,008,131
180: 3,001,182
182: 3,005,978
183: 2,970,301
2,974,313
187: 2,980,894
2,983,907
2,997,698
190: 2,997,699
195: 3,001,183
196: 2,976,521
198: 2,983,908
203: 2,968,800
2,978,688
204: 2,984,828
205: 2,983,909
206: 2,970,302
2,987,710
207: 2,992,417
208: 3,012,235
210: 3,005,979
213: 2,971,183
2,980,895
2,981,937
2,985,869
2,987,711
2,987,712
2,989,736
2,993,199
2,994,073
3,002,185
3,010,097
214: 3,009,137
3,011,161
3,014,205
216: 2,968,801
220: 2,976,522
222: 2,978,689
224: 2,978,690
2,979,706
3,010,098
226: 3,005,190
227: 2,974,314
2,981,938
2,982,949
2,983,910
2,985,870
2,989,737
2,994,858
3,004,248
228: 2,981,939
2,982,950
2,994,859
229: 2,972,132
3,014,206
231: 2,976,523
234: 2,980,896
236: 3,007,147
239: 2,967,297
242: 2,990,542
244: 2,978,691
2,990,543
2,999,230
3,002,186
3,013,256
248: 2,968,802
2,970,303
2,970,304
2,980,897
2,989,738
2,991,458
3,004,249
3,010,099
3,011,162
3,012,236
3,012,237
249: 3,013,257
250: 2,989,739
253: 2,970,305
2,975,408
2,979,707
2,980,898
2,989,740
2,997,700
3,012,238
255: 2,984,829
2,997,701
2,999,231
258: Re.25,100
2,971,184
2,972,133
2,987,713
3,005,191
259: 2,994,074
260: 3,004,250
261: 2,969,530
2,972,134
3,001,184
262: 2,992,418
263: 2,971,185
2,987,714
2,992,419
264: 2,983,911
265: 2,968,031
267: 3,013,258
271: 2,968,803
3,007,148
274: 3,011,163
275: 3,009,138
276: 2,971,186
2,983,912
2,992,420
3,010,100
3,014,207
279: 2,999,232
281: 2,968,804
3,008,132
3,008,133
3,009,139
282: 3,000,005
286: 2,985,871
292: 2,994,860
309.1: 2,997,702
310: 2,981,940
3,015,093
311: 2,976,524
2,996,702
316: 2,968,805
2,976,525
319: 3,009,140
3,014,208
321: 2,972,739
2,977,580
322: 2,976,526
323: 2,978,692
2,999,233
324: 2,969,531
2,982,951
2,987,715
2,991,459
2,998,596
3,008,134
3,011,164
3,012,239
326: 2,994,861
327: 2,969,532
328: 3,002,187
331: 2,977,581
3,014,209
338: 3,015,094
345: 2,973,509
2,982,952
2,985,872
347: 2,969,533
2,969,534
2,969,535
2,970,306
2,970,307
2,970,308
2,970,309
2,972,135
2,972,136
2,972,137
2,972,740
2,973,510
2,973,511
2,974,315
2,974,316
2,975,409
2,975,410
2,975,411
2,976,527
2,976,528
2,977,582
2,978,693
2,978,694
2,979,708
2,979,709
2,979,710
2,980,899
2,980,900
2,982,953
2,983,913
2,984,830
2,984,831
2,986,726
2,986,727
2,987,716
2,987,717
2,988,737
2,989,741
2,991,460
2,991,461
2,991,462
2,992,421
2,993,200
2,993,201
2,993,202
2,994,075
2,994,076
2,994,862
2,994,863
2,994,864
2,995,736
2,996,703
2,997,703
2,997,704
2,997,705
3,000,006
3,003,142
3,003,143
3,003,144
347: 3,003,145
3,004,251
3,004,252
3,007,149
3,009,141
3,010,101
3,011,165
3,012,240
3,014,210
3,014,211
353: 2,996,704
354: 3,013,259
355: 2,977,583
359: 2,978,695
365: 2,980,901
366: 2,970,310
2,975,412
2,978,696
2,983,914
2,987,718
2,994,077
2,995,737
3,001,185
3,005,192
3,005,193
373: 2,996,705
378: 2,981,941
2,985,873
2,998,597
381: 2,967,298
2,985,874
2,988,738
3,007,150
3,008,135
384: 2,971,187
2,977,584
2,994,078
392: 2,972,138
2,972,139
2,984,832
393: 2,968,032
407: 2,972,140
3,009,142

Class 343

5: 2,972,141
2,972,741
2,975,413
2,977,585
2,978,697
2,983,915
2,986,728
2,991,463
2,991,464
2,995,738
2,997,706
3,000,007
3,007,151
3,007,152
3,007,153
3,007,154
6: 2,982,954
2,992,422
3,001,186
3,001,187
3,007,155
3,010,102
6.5: 2,976,529
2,987,719
3,001,188
3,004,253
3,014,212
6.8: 2,971,188
3,004,254
3,007,156
7: 2,969,536
2,979,711
2,980,902
2,981,942
2,986,729
2,992,423
2,995,739
2,995,740
2,996,706
2,998,598
2,999,234
3,005,194
3,008,136
3,012,241
7.3: 2,978,698
2,979,712
2,992,424
2,996,707
3,004,255
3,013,260
7.4: 2,999,235
7.5: 2,981,943
7.6: 2,980,903
7.7: 2,974,317
2,982,955
2,989,742
2,997,707
2,998,599
3,011,166
7.9: 2,979,713
3,003,146
3,004,195
3,005,196
8: 2,972,142
2,977,586
2,982,956
2,996,708
2,997,708
3,001,189
3,003,147
3,005,980
3,007,157
3,009,143
3,013,261
9: 2,981,944
2,994,865
2,994,866
2,994,867
3,013,262
10: 2,995,741
3,001,190
3,001,191
11: Re.25,090
2,969,537
2,979,714
2,980,904
2,982,957
2,983,916
2,991,465
2,991,466
2,994,079
2,994,868
2,995,742
2,995,743
2,995,744
2,995,745
2,999,236
3,001,192
3,009,144
3,009,145
3,013,263
3,014,213
3,014,214
12: 2,977,587
2,979,715
13: 2,972,143
2,975,414
2,980,905
2,984,833
2,986,730
2,991,467
2,995,746
3,008,137
14: 3,005,981
3,012,242
16: 2,973,512
2,977,588
2,980,906
2,988,739
2,994,869
17: 2,975,415
17.1: 2,975,416
2,977,589
2,986,731
2,987,720
2,989,743
2,991,468
2,994,080
2,995,747
2,997,709
3,008,138
3,008,139
3,014,215
17.7: 2,973,513
2,977,590
2,991,469
2,995,748
18: 2,968,033
2,977,591
2,978,699
2,978,700
2,989,744
2,992,425
2,992,426
2,996,709
2,996,710
3,007,159
3,007,160
3,010,103
3,010,104
3,015,095
3,015,096
23: 3,007,158
100: 2,979,716
2,985,875
2,990,544
2,991,470
2,991,471
2,992,427
2,994,870
2,995,749
3,001,193
3,002,188
103: 3,015,097
105: 2,969,538
2,971,189
2,974,318
2,980,907
2,986,732
2,996,711
106: 2,975,417
2,978,701
2,982,958
3,004,256
3,007,161
3,012,243
3,013,264
107: 2,998,600
2,999,237
3,007,162
108: 2,977,592
2,999,238
112: 2,968,034
2,969,539
2,971,190
2,972,742
2,976,530
2,980,908
3,004,257
3,004,258
3,005,197
3,009,146
3,009,147
3,015,098
113: Re.25,064
2,993,203
2,994,081
2,994,871
2,995,750
2,995,751
2,996,712
3,003,148
3,005,198
3,009,148
3,013,265
114: 2,995,752
115: 3,012,244
116: 2,994,082
117: 2,969,540
2,979,717
2,997,710
2,999,239
118: 2,975,418
2,991,472
3,005,199
3,007,163
119: 2,979,718
2,992,428
120: 2,968,035
2,969,541
123: 2,994,872
3,005,200
124: 2,976,531
2,985,876
175: 3,013,266
177: 3,009,149
180: 3,009,150
3,015,099
181: 2,989,745
205: 3,009,151
225: 2,968,036
3,012,245
700: 2,968,806
701: 2,968,037
703: 2,988,740
705: 2,980,909
2,980,910
2,984,834
3,009,152
707: 2,986,733
708: 2,968,038
2,977,593
709: 2,972,144
712: 2,971,191
3,007,164
715: 3,003,149
720: 2,998,601
722: 2,976,532
724: 2,982,959
3,005,982
725: 2,987,721
727: 2,973,514
732: Re.25,035
742: 2,972,145
745: 2,983,917
2,993,204
2,996,713
746: 3,004,259
3,009,153
749: 2,971,192
2,972,146
750: 2,967,300
753: 2,978,702
2,981,945
2,994,873
3,005,983
754: 2,975,419
2,986,734
2,988,741
3,007,165
3,010,105
755: 2,976,533
2,990,545
756: 2,970,312
2,976,534
2,977,594
2,981,946
2,983,918
2,992,429
2,996,714
758: 3,008,140
761: 2,969,542
2,979,719
2,987,722
2,989,746
762: 2,997,711
763: 3,011,167
767: 2,972,147
2,981,947
2,982,960
2,983,919
2,990,546
2,990,547
2,994,083
2,996,715
768: 2,994,874
769: 2,977,595
770: 2,971,193
2,973,515
771: 2,967,301
2,981,948
2,981,949
2,993,205
2,994,875
3,005,984
3,007,166
772: 3,005,201
3,008,141
3,013,267
3,015,100
775: 2,998,602
776: 2,972,148
2,989,747
777: 3,005,985
3,008,142
779: 2,976,535
2,980,911
781: 2,989,748
2,996,716
2,998,603
783: 2,973,516
2,994,084
786: 2,975,420
787: 2,968,807
2,975,421
788: 2,981,950
2,996,717
3,012,246
792: 3,000,008
3,001,194
793: 2,989,749
3,002,189
795: 2,973,517
797: 3,013,268
801: 3,014,216
802: 2,980,912
803: 2,978,703
2,994,876
3,007,167
805: 2,969,543
2,979,720
807: 2,981,951
809: 2,985,877
810: 3,005,986
813: 2,987,723
814: 2,992,430
2,993,206
820: 2,981,952
824: 2,983,920
825: 2,996,718
826: 2,975,422
828: 2,986,735
833: 2,975,423
837: 2,973,518
838: 2,972,743
2,991,473
839: 3,010,106
840: 2,982,961
2,982,962
3,009,154
846: 2,998,604
848: 2,998,605
3,015,101
853: 2,982,963
854: 2,968,808
3,007,168

859: 2,986,736
864: 3,001,195
872: 2,977,596
2,978,704
3,005,987
888: 2,972,744
895: 2,982,964
2,985,878
2,990,548
2,991,474
907: 3,002,190
908: 2,977,597
2,984,835
2,985,879
3,011,168
910: 2,985,880
911: 3,015,102
912: 2,969,544
2,985,881
2,994,877
915: 3,001,196
916: 2,997,712

Class 346

1: 2,992,875
3,009,757
7: 2,997,358
3,000,687
8: 2,977,177
2,992,059
3,011,853
3,012,838
13: 2,998,291
14: 2,987,365
3,001,846
3,003,842
3,006,712
17: 2,970,876
18: 2,975,016
2,976,102
2,981,585
2,982,594
3,013,854
20: 2,997,359
21: 3,011,854
23: 2,995,410
25: 2,970,028
29: 2,973,237
2,976,103
3,013,855
30: 3,008,791
32: 2,973,238
33: 2,967,082
2,967,749
2,971,808
2,976,104
2,976,105
2,980,486
33: 2,985,498
2,988,415
2,991,142
2,996,348
2,999,001
3,001,847
3,008,792
3,010,777
3,013,856
34: 2,970,877
2,993,741
2,995,411
3,004,817
49: 3,004,818
50: 2,987,366
55: 3,007,761
66: 2,970,878
72: 2,989,357
74: 2,967,750
2,971,809
74: 2,971,810
2,975,017
2,977,178
2,984,535
2,986,442
2,987,367
2,994,574
2,994,575
2,996,349
2,997,360
2,997,361
2,998,292
3,001,848
3,001,849
3,001,850
3,002,801
3,004,819
3,004,820
3,005,675
3,005,676
74: 3,008,793
3,008,794
3,009,758
3,009,759
3,010,778
3,011,855
3,012,839
3,013,857
76: 2,992,060
3,002,802
77: 3,014,775
82: 2,973,999
2,981,586
85: 2,968,521
86: 2,971,811
93: 2,981,587
107: 3,012,840
108: 2,984,536
2,985,499
108: 3,006,713
109: 2,976,106
2,976,107
2,976,108
3,011,856
110: 2,984,537
2,992,876
137: 2,978,287
138: 2,970,879
2,977,179
2,979,372
2,984,538
2,986,443
3,012,841
139: 2,967,083
2,978,288
140: 2,976,109
2,977,180
141: 3,011,857

1961
CLASSIFICATION OF DESIGNS

Class D1

3: 189,635
189,713
190,157
190,361
191,027
9: 191,431
12: 189,516
189,517
190,547
190,714
190,898
191,192
191,492
191,779

Class D2

3: 189,518
189,608
189,636
189,714
189,904
190,158
190,219
190,899
191,493
191,654
191,655
191,694
191,695

Class D3

4: 189,519
190,072
190,623
190,848
8: 190,465
191,656
9: 189,739
189,740
190,548
190,794
10: 191,572
191,696
11: 189,637
189,638
189,715
191,494
12: 190,016
13: 189,960
190,111
190,220
190,466
190,549
190,715
190,716
190,717
190,849
191,028
191,093
191,495
191,605
191,977
16: 189,609
190,071
190,949
19: 189,777
189,905
190,550
191,029
25: 190,551
26: 189,520
190,159
190,160
190,553
191,347
191,858
191,859
191,898
32: 189,808

Class D4

2: 190,987
191,391
2: 191,432
191,780
191,860
3: 189,521
189,567
189,838
190,161
190,405
190,407
190,467
190,552
190,554
190,850
191,297
191,496
191,573
191,574
191,610
191,739
191,781
191,819
191,861
191,862
4: 189,906
190,624
190,795
190,988
5: 189,961
190,275
190,317
190,406
190,408
190,555
191,160
191,497
191,697
191,938

Class D5

4: 189,741
190,017
190,989
191,657
5: 190,796
190,950
190,951
191,193

Class D6

2: 189,809
190,556
190,625
191,030
191,257

Class D7

4: 191,575
5: 189,839
190,162
190,221
191,298
191,433
7: 189,522
189,716
189,717
189,742
190,163
190,164
190,165
190,222
190,468
190,557
190,718
190,900
191,094
191,820

Class D8

1: 189,660
191,348
191,863
191,864

Class D9

2: 189,523
189,568
189,639
189,661
189,743
189,778
189,840
189,841
189,907
190,073
190,074
190,112
190,113
190,166
190,167
190,223
190,318
190,319
190,333
190,362
190,409
190,558
190,559
190,626
190,719
190,720
191,031
191,095
191,096
191,097
191,194
191,195
191,299
191,300
191,434
191,498
191,611
191,782
191,783
191,821
191,865
191,899
191,978
6: 189,569
190,363
191,435
191,499
191,900
191,901

Class D10

6: 190,320
190,560
190,797
191,098
7: 191,436
191,784
8: 189,524
189,525
189,526
189,610
189,870
189,871
189,962
190,075
190,076
190,364
190,469
190,561
190,562
190,627
191,032
191,500
191,501
191,866
191,902
191,903
9: 191,196
10: 189,963
191,349

Class D11

1: 191,033
191,698

Class D12

2: 191,904

Class D13

1: 189,570
189,571
189,611
189,612
189,613
189,744
189,810
189,811
189,842
190,018
190,019
190,224
190,276
190,365
190,410
190,411
190,412
190,470
190,471
190,472
190,628
190,629
190,630
190,631
190,721
190,722
190,798
190,799
190,851
190,852
190,901
191,034
191,035
191,036
191,099
191,161
191,197
191,198
191,301
191,302
191,350
191,392
191,437
191,438
191,502
191,503
191,576
191,658
191,659
191,660
191,661
191,699
191,700
191,867
191,868
191,905
6: 191,162
191,906
7: 189,527
189,528
189,572
190,020
190,021
190,022
190,952
191,258
191,577
191,578
191,662
191,907
191,979
13: 190,473

Class D14

3: 189,529
189,530
189,614
189,640
189,662
189,718
189,719
3: 189,745
189,746
189,812
189,813
189,814
189,815
189,816
189,843
189,908
190,023
190,024
190,077
190,114
190,168
190,225
190,226
190,279
190,280
190,366
190,367
190,368
190,413
190,414
190,415
190,416
190,417
190,474
190,475
190,476
190,477
190,478
190,563
190,632
190,633
190,634
190,635
190,638
190,723
190,724
190,725
190,800
190,801
190,802
190,803
190,853
190,854
190,902
190,953
190,990
190,991
191,037
191,038
191,100
191,101
191,102
191,303
191,351
191,352
191,393
191,439
191,440
191,441
191,442
191,443
191,504
191,505
191,506
191,507
191,508
191,579
191,606
191,607
191,663
191,664
191,665
191,701
191,702
191,703
191,939
6: 189,531
189,573
189,747
189,844
190,025
190,115
190,227
190,228
190,278
6: 190,418
190,479
190,564
190,636
190,637
190,726
190,727
190,855
190,856
191,199
191,304
191,444
191,509
191,510
191,822
191,980
18: 189,532
189,964
190,116
190,277
190,321
190,322
190,369
190,480
190,639
191,039
25: 190,078
27: 190,419
190,420
190,565
191,445
191,511
30: 189,574
189,641
189,663
189,817
189,909
190,026
190,117
190,118
190,119
190,169
190,170
190,171
190,229
190,370
190,371
190,372
190,481
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190,483
190,484
190,566
190,567
190,640
190,641
190,642
190,643
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190,857
190,858
190,859
190,903
191,040
191,041
191,042
191,103
191,104
191,163
191,200
191,259
191,260
191,261
191,353
191,354
191,394
191,446
191,512
191,666
191,667
191,740
191,785
191,869

Class D15

1: 189,642
189,664
1: 189,748
189,910
189,911
190,062
190,120
190,121
190,172
190,421
190,422
190,485
190,486
190,568
190,569
190,570
190,645
190,804
190,805
190,904
190,954
190,955
190,956
190,992
190,993
191,043
191,105
191,305
191,355
191,395
191,704
191,741
191,786
3: 189,818
189,845
190,423
191,513
8: 189,575
189,779
189,872
190,230
190,323
190,806
190,905
190,906
191,306
191,356
191,447
191,668
191,742
191,743
191,823
11: 190,231
190,237
190,281
190,571
190,860
190,907
190,908
190,909
190,910
191,164
191,705

Class D16

1: 190,027
190,573
2: 189,643
189,846
189,912
190,122
190,373
190,728
191,044
191,106
191,262
191,396
3: 190,729

Class D17

1: 190,079
190,646
191,107
3: 189,965
190,123
190,173
190,424
190,487

Class D17—Con.

3: 191,108
191,608
191,787
8: 191,307
9: 191,824
12: 191,201
191,609

Class D18

2: 189,576
189,577
189,819
189,847
189,966
189,967
190,174
190,324
190,574
190,647
190,730
190,807
191,045
191,109
191,202
191,203
191,263
191,264
191,265
191,514
191,744
191,940

Class D19

9: 190,374

Class D20

2: 190,375
190,575
190,731
190,732
191,397
191,908
4: 190,376
191,981

Class D21

1: 189,873
190,808
191,515
191,870
6: 190,488
190,809
191,745

Class D22

2: 189,615
190,377
190,489
190,861
191,046
191,266
191,516
191,580
3: 189,533
189,616
189,665
189,666
189,749
189,829
189,848
189,913
190,325
190,490
190,491
190,576
190,577
190,911
191,267
191,308
191,357
191,448
191,517
191,825
5: 190,578
190,579
190,580
6: 191,268

Class D23

1: 189,874
191,746

Class D24

1: 190,912
191,110

Class D25

1: 189,821
189,968
190,492
190,581
191,309
191,788
191,909

Class D26

1: 189,780
189,914
189,915
190,028
190,175
190,326
190,327
190,378
190,379
190,425
190,582
190,583
190,648
191,398
191,399
191,581
5: 189,617
189,618
189,875
189,916
189,969
190,232
190,494
190,584
190,649
190,862
191,111
191,269
191,400
191,706
191,871
191,941
191,982
191,983
6: 190,733
7: 190,495
191,401
191,707
8: 189,822
13: 189,534
189,578
189,579
189,619
189,849
189,876
189,917
189,970
190,233
190,496
190,497
190,650
190,863
190,994
191,047
191,204
191,205
191,358
191,826
14: 189,580
189,667
189,720
189,750
189,751
189,752
189,781
189,823
189,877
189,971
189,972
190,029
190,176
190,234
190,235
190,426
190,493
190,585
190,734
190,735
190,736
190,737
190,810
190,811
190,812
190,864
190,865
190,866
190,867
190,868
190,995
191,165
191,206
191,207
191,310
14: 191,402
191,403
191,582
191,708
15: 189,668

Class D29

1: 189,644
190,236
190,586
190,738
190,913
191,048
2: 191,049
17: 190,283
190,739
20: 190,282
23: 189,645
190,651
190,740
190,996
190,997
191,270

Class D30

1: 189,669
190,498
191,112
191,449
191,872
191,910
191,942

Class D31

2: 189,878
190,328
190,329
190,813
190,869
190,914
191,518
3: 189,782
190,124
190,499
190,742
191,050
191,404
191,943
191,984
4: 189,721
190,080
190,177
190,330
190,427
190,428
190,743
190,814
190,915
191,051
191,052
191,053
191,113
191,114
191,166
191,208
191,271
191,613
191,614
191,669
191,670
191,827
191,985

Class D33

2: 190,178
190,500
190,587
3: 189,753
189,824
189,918
190,284
190,331
190,352
190,429
190,501
191,519
191,520
191,671
191,709
191,911
4: 189,783
6: 189,784
190,179
191,167
191,168
191,169
7: 189,620
189,621
189,622
189,879
189,919
7: 190,652
190,653
190,654
190,655
191,170
191,209
191,359
191,450
191,451
191,452
191,453
191,454
8: 190,815
191,944
10: 191,360
11: 190,030
190,081
190,180
190,181
190,502
190,588
191,747
14: 189,535
189,785
189,825
189,973
190,082
190,182
190,183
190,332
190,380
190,503
190,656
190,744
190,957
190,998
191,272
191,311
191,312
191,361
191,455
191,583
18: 189,722
189,723
19: 189,786
190,031
190,816
190,916
190,917
190,958
191,273

Class D34

2: 189,880
189,974
190,032
190,238
191,115
191,171
4: 190,083
190,589
190,918
191,172
191,748
191,789
5: 189,536
189,537
189,538
189,581
189,646
189,670
189,671
189,672
189,787
189,788
189,789
189,826
189,827
189,850
189,851
189,852
189,853
189,854
189,881
189,920
189,921
189,922
189,923
189,975
190,033
190,034
190,035
190,084
190,085
190,125
190,126
190,239
190,240
190,241
190,285
190,287
190,430
190,590
190,657
5: 190,658
190,659
190,660
190,661
190,745
190,817
190,919
191,054
191,116
191,117
191,118
191,119
191,173
191,174
191,210
191,211
191,212
191,274
191,313
191,314
191,315
191,316
191,362
191,363
191,405
191,521
191,584
191,615
191,616
191,617
191,672
191,749
191,750
191,751
191,790
191,791
191,792
191,828
191,829
191,830
191,912
191,986
11: 190,242
14: 189,647
15: 189,582
189,583
189,584
189,585
189,673
189,674
189,675
189,676
189,677
189,754
189,755
189,790
189,828
189,855
189,924
189,925
189,976
190,036
190,037
190,038
190,086
190,087
190,088
190,127
190,184
190,286
190,288
190,431
190,504
190,505
190,572
190,591
190,662
190,663
190,664
190,746
190,747
190,818
190,819
190,959
190,999
191,055
191,120
191,175
191,176
191,213
191,364
191,365
191,456
191,457
191,458
191,585
191,586
191,618
191,673
191,674
191,752
191,753
191,754
191,793
191,794
15: 191,831
191,832
191,833
191,873
191,913
191,914
191,915

Class D35

2: 190,334
190,432
190,433
190,665
190,820
190,920
191,056
191,619
191,755
3: 189,856
189,977
190,039
190,289
190,434
190,506
190,821
191,317
191,522
191,874

Class D36

8: 189,586
189,678
189,679
191,620
191,710
11: 189,587

Class D37

1: 190,185
190,290
190,666
191,000
191,523
191,711

Class D39

1: 190,335
190,870
191,275

Class D40

1: 189,978
190,243
190,667
190,748
190,822
190,871
190,872
191,001
191,318
191,459
191,524
191,675
191,834

Class D41

1: 189,829
190,300
190,960
191,276
191,319
191,621
191,795

Class D42

1: 190,823
7: 189,539
189,926
190,244
190,291
190,381
190,749
190,750
190,824
190,873
190,874
190,875
190,961
191,002
191,003
191,057
191,121
191,122
191,320
191,460
191,461
191,462
191,525
7: 191,676
191,712
191,756
8: 190,507
190,508
190,592

Class D44

1: 189,623
189,680
189,927
190,089
190,128
190,435
190,509
190,668
190,713
191,321
191,366
191,367
191,463
191,587
191,835
191,836
191,987
4: 190,090
5: 190,186
191,713
7: 191,837
9: 189,540
191,058
191,214
191,464
191,465
10: 189,724
189,791
189,792
189,979
189,980
190,040
190,129
190,130
190,131
190,245
190,246
190,436
190,876
191,059
191,123
191,322
191,323
191,622
15: 189,541
189,648
189,681
189,682
189,882
189,883
189,884
190,041
190,042
190,043
190,091
190,092
190,093
190,187
190,188
190,336
190,437
190,593
190,669
190,825
190,962
190,963
191,124
191,215
191,588
191,677
191,714
191,945
18: 191,466
19: 189,542
190,751
21: 190,594
190,878
190,964
191,589
191,590
191,623
22: 189,649
190,510
191,216
191,324
191,591
24: 190,292
190,511
191,004
191,368
191,592
25: 191,005
191,838
26: 189,588
189,981
190,247

26: 191,624
29: 189,624
189,625
189,683
189,684
189,685
189,756
189,885
189,982
189,983
190,044
190,045
190,094
190,189
190,293
190,294
190,337
190,382
190,383
190,512
190,513
190,741
190,752
190,879
191,060
191,277
191,278
191,325
191,326
191,406
191,526
191,715
191,716
191,717
191,796
191,875
191,876
191,877
191,878
191,946
191,947
191,948

Class D45

1: 190,514
191,757
191,879
4: 189,686
190,046
190,047
190,048
190,132
190,133
190,384
190,515
190,516
190,670
190,753
190,754
190,755
190,756
190,757
190,758
190,965
191,061
191,125
191,126
191,217
191,218
191,219
191,220
191,407
191,408
191,527
191,758
191,759
191,760
191,761
191,916
191,917
9: 189,793
191,528
10: 189,543
189,757
189,758
189,928
190,966
191,949
15: 190,438
190,877
16: 189,687
191,221
19: 189,759
189,929
190,190
190,191

Class D46

1: 190,338

Class D47

6: 189,544
189,688
6: 189,689
191,529
191,950
7: 189,690
190,095
190,595
190,967
191,988

Class D48

2: 190,134
3: 189,545
4: 189,830
189,857
190,248
190,385
190,439
190,671
191,127
191,369
191,762
16: 189,546
190,135
190,192
190,193
190,386
190,759
190,921
191,625
191,626
191,627
191,678
191,718
20: 189,547
189,691
189,725
189,726
189,760
189,858
189,859
189,860
190,136
190,295
190,339
190,517
190,518
190,672
190,826
190,922
191,279
191,280
191,327
23: 190,049
190,387
190,388
190,596
190,827
191,062
191,530
191,531
191,628
191,679
191,880
24: 189,984
190,137
190,194
190,519
190,520
190,673
190,674
190,760
191,532
191,989
191,990
191,991
27: 190,521
190,761
190,880
191,006
191,222
191,223
191,370
191,371
191,467
191,468
191,533
191,680
191,764
191,765
31: 189,794
190,522
190,523
191,128
191,129
191,534
191,593
32: 189,589
189,650
189,831
189,930
189,931
189,932
189,985
189,986
32: 189,987
190,440
190,676
190,677
191,063
191,130
191,131
191,281
191,409
191,629
191,681
191,763
191,839
191,992

Class D49

1: 189,651
189,832
189,886
189,988
190,249
190,296
190,389
190,675
191,132
191,224
191,469
191,470
191,840
191,918
191,919
191,951
6: 189,887
191,007
191,133
191,630
191,766

Class D50

1: 191,632
3: 190,597
191,471
191,535
191,631
4: 189,761
190,598
5: 189,727
190,881
191,797
6: 191,536
191,594
7: 189,626
190,762
191,372
191,719
191,720
191,920
191,921

Class D51

1: 191,952

Class D52

1: 189,590
189,627
189,692
191,410
2: 189,548
189,888
190,297
190,524
190,828
190,923
190,924
190,925
190,926
191,177
191,411
191,537
3: 189,728
189,989
189,991
190,441
190,599
190,882
190,927
191,008
191,064
191,134
191,881
191,953
191,993
4: 189,549
190,442
191,798
6: 189,693
189,762
189,763
189,833
189,933
189,990
6: 190,096
190,097
190,098
190,195
190,299
190,443
190,525
190,678
190,763
190,764
190,968
191,009
191,135
191,412
191,538
191,799
191,841
191,882
191,954
191,994
191,995
7: 189,591
189,764
189,889
190,050
190,196
190,340
190,390
190,682
191,955
10: 190,928
191,800

Class D54

1: 190,829
2: 189,550
189,652
189,653
190,197
191,282
191,633
191,842
191,843
191,844
191,845
4: 191,136
6: 189,861
189,992
191,803
8: 191,996
9: 190,391
191,883
10: 191,846
191,884
11: 189,934
190,444
190,445
190,679
190,680
191,885
12: 189,592
189,628
189,629
189,694
189,695
189,795
190,099
190,100
190,198
190,199
190,250
190,251
190,341
190,342
190,343
190,392
190,765
190,929
191,010
191,137
191,225
191,226
191,283
191,373
191,413
191,683
191,847
191,956
13: 189,796
190,138
190,252
190,830
191,011
191,178
191,227
191,328
191,374
191,414
191,595
191,848
14: 189,551
190,200
191,539
191,596
14: 191,634
191,635
191,636
191,801
191,802

Class D55

1: 189,935
189,936
190,051
190,052
190,139
190,526
190,681
190,682
190,883
190,969
191,012
191,013
191,065
191,138
191,179
191,329
191,375
191,376
191,415
191,472
191,849
191,922
191,957

Class D56

1: 189,765
189,862
189,993
190,201
190,683
191,139
191,958
2: 189,552
189,766
190,053
190,140
190,301
4: 189,553
190,054
190,202
190,302
190,600
190,766
190,831
190,832
190,970
191,066
191,067
191,228
191,540
191,597
191,637
191,638
191,639
191,721
191,767
191,768
191,923
191,959
9: 190,440
190,930
191,960
191,961
191,962
191,963

Class D57

1: 189,554
189,593
189,630
189,994
190,344
190,393
190,684
190,884
190,885
190,886
190,971
191,014
191,068
191,140
191,141
191,229
191,330
191,377
191,378
191,416
191,473
191,541
191,542
191,543
191,769
191,851
191,852
191,853
1: 191,886
191,887
191,964

Class D58

2: 189,937
190,394
190,395
190,396
190,685
190,767
191,180
191,284
191,640
4: 189,729
189,995
190,055
190,833
5: 190,887
191,417
191,544
6: 189,631
189,696
189,697
189,698
189,699
189,890
189,938
190,056
190,057
190,397
190,527
190,768
190,834
191,142
191,598
191,641
191,770
191,804
6.5: 190,528
7: 190,888
191,379
8: 189,632
189,654
189,730
189,731
189,732
189,996
190,058
190,101
190,141
190,398
190,399
190,686
190,687
190,769
190,770
190,771
190,835
190,889
190,931
190,932
190,933
191,069
191,285
191,418
191,599
191,684
191,685
191,722
191,888
9: 190,836
190,972
11: 189,939
190,142
190,529
190,530
191,015
191,965
12: 189,555
189,594
189,733
189,767
189,834
189,997
190,143
190,203
190,447
190,448
190,973
191,070
191,143
191,144
191,145
191,182
191,230
191,231
191,924
12.7: 190,772
191,419
13: 189,595
189,596
189,891
190,102
13: 190,253
190,449
190,974
191,232
191,545
15: 189,797
17: 189,700
189,768
189,798
189,998
190,059
190,450
190,531
190,532
190,688
190,773
190,774
191,146
191,233
191,474
191,546
191,642
191,723
25: 189,556
189,892
190,060
190,837
191,071
191,072
191,181
191,234
26: 189,557
189,597
189,598
190,204
190,205
190,254
190,303
190,345
190,934
191,183
191,420

Class D59

2: 190,601
190,689
191,805
10: 191,286
191,287
191,288
191,421
191,547
191,548
191,549

Class D60

2: 191,184

Class D61

1: 189,558
189,655
189,701
189,702
189,703
189,799
189,800
189,893
189,894
189,895
189,940
190,103
190,104
190,105
190,206
190,207
190,346
190,451
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190,604
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191,017
191,147
191,235
191,236
191,237
191,238
191,239
191,240
191,331
191,380
191,422
191,475
191,600

Class D62

2: 189,599
189,941
190,061
190,347
190,838
190,938
191,381
191,476
191,686
191,806
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3: 190,144
191,018
4: 189,559
189,074
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191,241
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Class D63

1: 189,560

Class D64

10: 191,382
11: 189,769
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1: 189,561
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Class D66

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3: 190,453
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Class D68

1: 190,779

Class D70

1: 190,000
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2: 191,334

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1: 189,562
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189,633
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189,705
189,706
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189,802
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190,004
190,064
190,065
190,208
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190,259
190,304
190,348
190,400
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190,977
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191,020
191,021
191,074
191,148
191,149
191,243
191,244
191,245
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191,383
191,479
191,480
191,726
191,772
191,807
191,808
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191,928
191,929
191,930

Class D72

1: 189,658
189,837
190,148
190,210
190,305
190,306
190,606
190,699
191,727
191,728
191,968

Class D73

1: 191,075
191,076
191,645

Class D74

1: 190,298
190,535
190,536
190,700
190,781
190,842
190,978
190,979
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191,290
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191,482
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190,538
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5: 189,601
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6: 190,401
9: 190,539
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17: 189,735
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189,896
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190,349
190,702
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191,340
191,554
191,555
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21: 190,150
190,457
190,458
190,703
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191,556
24: 191,341
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Class D77

1: 190,264
191,730

Class D78

1: 190,350
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190,607
190,895
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191,425
191,854
191,933

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2: 190,782
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191,248
191,774

Class D80

1: 191,809
191,810
2: 189,773
8: 189,897
189,898
8: 189,899
190,005
190,308
190,402
190,403
190,608
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191,855
191,969
9: 189,602
189,710
189,736
189,737
189,900
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190,309
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191,484
191,689
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11: 190,006
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1: 191,559
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2: 189,563
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4: 189,804
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7: 191,561
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10: 189,603
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190,540
190,609
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191,085
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19: 190,213
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25: 189,765
190,066
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Class D82

2: 190,108
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Class D83

1: 189,738
189,805
189,951
189,952
189,953
190,109
190,110
190,267
190,310
190,356
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190,541
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190,705
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190,786
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191,292
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191,732
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191,775
5: 190,009
8: 191,386
191,426
12: 190,357
190,542
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191,387
191,564
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Class D85

2: 190,010
190,358
190,611
190,845
190,942
191,026
191,254
191,565
191,894
191,895
191,896
8: 189,901
190,311

Class D86

8: 189,866
189,867
10: 190,067
190,214
190,215
190,216
190,255
190,312
190,462
190,543
190,544
190,612
190,788
190,789
191,293
191,488
10: 191,651
191,734
191,735
191,777
191,856
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Class D87

2: 190,706
190,983
191,090
191,603
191,935
3: 189,606
189,774
189,775
189,902
189,954
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189,956
189,957
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190,790
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190,946
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191,255
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5: 189,711
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Class D88

3: 189,659
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Class D89

1: 190,069
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26: 191,256
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LIST OF PATENT, DESIGN, PLANT PATENT, AND REISSUE NUMBERS APPEARING IN THE OFFICIAL GAZETTE FOR 1961

Issue of	Vol.	No.	First Number in Issue			
			Patents	Designs	Plant Patents	Reissues
Jan. 3	762	1	2, 966, 681	189, 516	2, 009	24, 918
Jan. 10		2	2, 967, 302	189,567	2, 010	24, 921
Jan. 17		3	2, 968, 039	189, 608	None	24, 923
Jan. 24		4	2, 968, 809	189, 635	2, 012	24, 927
Jan. 31		5	2, 969, 545	189, 660	2, 015	24, 930
Feb. 7	763	1	2, 970, 313	189, 713	2, 019	24, 933
Feb. 14		2	2, 971, 194	189, 739	2, 024	24, 934
Feb. 21		3	2, 972, 149	189, 777	2, 029	24, 937
Feb. 28		4	2, 972, 746	189, 808	2, 030	24, 940
Mar. 7	764	1	2, 973, 519	189, 837	2, 032	24, 945
Mar. 14		2	2, 974, 319	189, 870	2, 033	24, 947
Mar. 21		3	2, 975, 424	189, 904	2, 035	24, 948
Mar. 28		4	2, 976, 536	189, 960	2, 039	24, 953
Apr. 4	765	1	2, 977, 598	190, 016	2, 040	24, 960
Apr. 11		2	2, 978, 705	190, 071	None	24, 964
Apr. 18		3	2, 979, 721	190, 111	2, 046	24, 966
Apr. 25		4	2, 980, 913	190, 157	2, 051	24, 972
May 2	766	1	2, 981, 954	190, 219	2, 055	24, 976
May 9		2	2, 982, 965	190, 275	None	24, 981
May 16		3	2, 983, 921	190, 317	None	24, 986
May 23		4	2, 984, 836	190, 361	2, 056	24, 989
May 30		5	2, 985, 882	190, 405	2, 057	24, 991
June 6	767	1	2, 986, 737	190, 465	2, 060	24, 995
June 13		2	2, 987, 724	190, 547	2, 062	None
June 20		3	2, 988, 742	190, 623	None	24, 999
June 27		4	2, 989, 750	190, 714	2, 064	None
July 4	768	1	2, 990, 549	190, 794	2, 067	25, 003
July 11		2	2, 991, 475	190, 848	2, 071	None
July 18		3	2, 992, 431	190, 898	None	25, 008
July 25		4	2, 993, 207	190, 949	2, 074	25, 012
Aug. 1	769	1	2, 994, 087	190, 987	2, 076	25, 014
Aug. 8		2	2, 994, 879	191, 027	2, 077	25, 017
Aug. 15		3	2, 995, 753	191, 093	None	25, 024
Aug. 22		4	2, 996, 719	191, 160	2, 078	25, 029
Aug. 29		5	2, 997, 713	191, 192	2, 080	25, 033
Sept. 5	770	1	2, 998, 606	191, 257	2, 085	None
Sept. 12		2	2, 999, 241	191, 297	2, 089	25, 035
Sept. 19		3	3, 000, 009	191, 347	2, 092	25, 038
Sept. 26		4	3, 001, 197	191, 391	2, 094	25, 042
Oct. 3	771	1	3, 002, 192	191, 431	2, 095	25, 044
Oct. 10		2	3, 003, 150	191, 492	None	25, 049
Oct. 17		3	3, 004, 260	191, 572	None	25, 053
Oct. 24		4	3, 005, 202	191, 605	None	25, 060
Oct. 31		5	3, 005, 988	191, 654	2, 099	25, 065
Nov. 7	772	1	3, 007, 169	191, 694	2, 101	25, 076
Nov. 14		2	3, 008, 143	191, 739	None	25, 078
Nov. 21		3	3, 009, 155	191, 779	2, 105	25, 084
Nov. 28		4	3, 010, 107	191, 819	2, 106	25, 091
Dec. 5	773	1	3, 011, 169	191, 858	2, 108	25, 093
Dec. 12		2	3, 012, 247	191, 898	2, 109	None
Dec. 19		3	3, 013, 269	191, 938	2, 111	25, 095
Dec. 26		4	3, 014, 217	191, 977	2, 112	25, 101
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LIST OF DISCLAIMERS AND DEDICATIONS

Arth, Glen E., Cranford, Roger E. Beyler, Westfield, and Lewis H. Sarett, Princeton, N.J. Disclaimer filed by the assignee, Merck & Co., Inc. No. 3,004,994; disclaimer filed Oct. 17, 1961; v. 773; p. 1

Babcock, John C., Portage Township, Kalamazoo County, and J Allan Campbell, Kalamazoo Township, Kalamazoo County, Mich. Disclaimer filed by the inventors; the assignee, The Upjohn Company, assenting. No. 2,838,534; disclaimer filed June 5, 1961; v. 768; p. 271.

Ball, Charles F., Franklin, Pa. Disclaimer filed by the assignee, Joy Manufacturing Company. No. 2,777,681; disclaimer filed Aug. 22, 1961; v. 771; p. 2.

Ballard, Randall Clarence, Trenton, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,880,268; disclaimer filed Oct. 20, 1961; v. 772; p. 886.

Beste, Harold E., Verona, N.J. Disclaimer filed by the assignee, Fairchild Camera and Instrument Corporation. No. 2,814,757; disclaimer filed Feb. 13, 1961; v. 764; p. 537.

Burch, Oscar G., Toledo, Ohio. Disclaimer and dedication filed by the assignee, Owens-Illinois Glass Company. No. 2,898,633; disclaimer and dedication filed Oct. 4, 1961; v. 772; p. 7.

Burns, Joseph, Clifton, and Albert Eberhard Beckers, Cedar Grove, N.J. Disclaimer filed by the assignee, Fairchild Camera and Instrument Corporation. No. 2,896,106; disclaimer filed Oct. 18, 1961; v. 772; p. 599.

Chapman, James E., and John C. De Haas, Phoenix, Ariz. Disclaimer filed by the assignee, The Garrett Corporation. No. 2,536,491; disclaimer filed May 4, 1961; v. 767; p. 286.

Chester, William H., North Hollywood, Calif. Disclaimer filed by the inventor; the assignee, The Bendix Corporation, assenting. No. 2,840,800; disclaimer filed Feb. 23, 1961; v. 765; p. 936.

Ciansi, Adolph S., Battle Creek, Mich., James L. Common, Briarcliff, and Hazel M. Horti, Bethpage, N.Y. Disclaimer filed by the assignee, General Foods Corporation. No. 2,954,299; disclaimer filed Apr. 4, 1961; v. 766; p. 292.

Derichs, Fritz, Walter Franke, and Walter Stumpf, Marl, Kreis Recklinghausen, Germany. Disclaimer filed by the assignee, Chemische Werke Huls Aktiengesellschaft. No. 2,967,895; disclaimer filed Oct. 6, 1961; v. 772; p. 296.

Dickinson, Arthur H., Greenwich, Conn. Disclaimer filed by the assignee, International Business Machines Corporation. No. 2,735,011; disclaimer filed Dec. 19, 1960; v. 763; p.1.

Dimmick, Glenn L., Indianapolis, Ind. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,453,502; disclaimer filed June 1, 1961; v. 768; p. 769.

Dowden, Dennis Albert, and Alexander Muirhead Ure Caldwell, Norton-on-Tees, England. Disclaimer filed by the assignee, Imperial Chemical Industries Limited. No. 2,977,324; disclaimer filed Aug. 7, 1961; v. 770; p. 191.

Eckert, John Presper, Jr., Philadelphia, Pa. Disclaimer filed by the assignee, Sperry Rand Corporation. No. 2,838,686; disclaimer filed Feb. 6, 1961; v. 764; p. 537.

Farkas, Thomas P., Bloomfield, Conn. Disclaimer filed by the assignee, United Aircraft Corporation. No. 2,840,097; disclaimer filed Oct. 30, 1961; v. 773; p. 1.

Flood, John Edward, and Ronald S. Hopkins, London, England. Disclaimer filed by the assignee, Associated Electrical Industries (Woolwich) Limited. No. 2,897,279; disclaimer filed Dec. 27, 1960; v. 763; p. 1.

Fontaine, John P. K., Birmingham, Ala. Disclaimer filed by the inventor. No. 2,726,878; disclaimer filed Apr. 13, 1961; v. 766; p. 561.

Friedline, Ernest J., Mount Pleasant Township, Westmoreland County, Pa. Dedication filed by the assignee, Kennametal Inc. No. 2,848,789; dedication filed Dec. 30, 1960; v. 763; p. 1.

Garst, Arthur W., Tulsa, Okla. Disclaimer filed by the assignee, Pan American Petroleum Corporation. No. 2,851,105; disclaimer filed July 10, 1961; v. 769; p. 487.

Gerber, George L., Naperville, Ill. Disclaimer filed by the assignee, Kroehler Mfg. Co. No. 2,742,958; disclaimer filed June 9, 1961; v. 768; p. 544.

Greenawalt, Frederick A., Fort Lauderdale, Fla. Disclaimer filed by the assignee, Ranco, Incorporated. No. 2,976,701; disclaimer filed June 20, 1961; v. 768; p. 769.

Gregory, William K., John F. Babbitt, and Langston P. Bryant, Louisville, Ky. Disclaimer filed by the assignee, Continental Air Filters, Inc. No. 2,848,064; disclaimer filed May 25, 1961; v. 768; p. 544.

Grettve, Karl Einar Lage, Lilla Edet, Sweden. Dedication filed by the assignee, Clupak, Inc. No. 2,535,734; dedication filed Sept. 19, 1961; v. 773; p. 887.

Grettve, Karl Einar Lage, Lillia Edet, Sweden. Dedication filed by the assignee, Clupak, Inc. No. 2,667,910; dedication filed Sept. 19, 1961; v. 773; p. 887.

Hampton, Andrew T., Burbank, Calif. Disclaimer filed by the assignee, Darco Industries, Inc. No. 2,889,448; disclaimer filed Apr. 13, 1961; v. 766; p. 561.

Hannigan, Joseph E., Mantua, Ohio. Disclaimer filed by the assignee, Pneumo-Dynamics Corporation. No. 2,906,324; disclaimer filed Sept. 26, 1961; v. 772, p. 7.

Harben, William C., Santa Monica, Calif. Disclaimer filed by the inventor. No. 2,880,015; disclaimer filed Jan. 30, 1961; v. 764; p. 1.

Hinsdale, Edwin M., Jr., Baldwin, and Frederick B. Smith, Jr., Oceanside, N.Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,898,399; disclaimer filed Apr. 17, 1961; v. 766; p. 831.

Hobin, John L., Springfield, Ohio. Disclaimer filed by the assignee, Springfield-Greene Industries, Inc. No. 2,846,881; disclaimer filed July 21, 1961; v. 769; p. 767.

Hsu, Hsiung, Liverpool, N.Y. Disclaimer filed by the assignee, General Electric Company. No. 2,835,836; disclaimer filed Feb. 15, 1961; v. 764; p. 537.

Johnson, William K., Dayton, Ohio. Disclaimer filed by the assignee, Monsanto Chemical Company. No. 2,900,402; disclaimer filed Mar. 1, 1961; v. 765; p. 599.

Kazan, Benjamin, Princeton, and Frederick H. Nicoll, Mercer County, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,768,310; disclaimer filed Feb. 8, 1961; v. 764; p. 537.

Keiper, Francis P., Jr., Elkins Park, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,776,375; disclaimer filed Sept. 7, 1961; v. 772; p. 296.

Kistner, Merrill M., Chicago, Ill. Disclaimer filed by the assignee, Steam Iron Corporation; the inventor assenting. No. 2,384,839; disclaimer filed Jan. 25, 1961; v. 763; p. 701.

Kuryla, Alan T., Geneva, N.Y. Disclaimer filed by the assignee, Sylvania Electric Products Inc. No. 2,884,312; disclaimer filed Oct. 24, 1961; v. 772; p. 886.

Lader, Leon J., Los Angeles, Calif. Disclaimer filed by the assignee, Hughes Aircraft Company. No. 2,936,369; disclaimer filed June 30, 1961; v. 769; p. 487.

Lee, Leighton, II, Rocky Hill, Conn. Disclaimer filed by the assignee, Chandler Evans Corporation. No. 2,668,416; disclaimer filed July 3, 1961; v. 769; p. 487.

Lee, Leighton, II, Rocky Hill, Conn. Disclaimer filed by the assignee, Chandler Evans Corporation. No. 2,688,229; disclaimer filed July 3, 1961; v. 769; p. 487.

Lesti, Arnold, Kensington, Md. Disclaimer filed by the assignee, Andromeda, Inc. No. 2,885,594; disclaimer filed June 15, 1961; v. 768; p. 769.

Lewis, Willard D., Mendham, N.J. Dedication filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,936,337; dedication filed Mar. 30, 1961; v. 766; p. 2.

Libberton, Herbert, Chicago, Ill. Disclaimer filed by the inventor, and the assignee, Tenak Products Company. No. 2,831,224; disclaimer filed Sept. 19, 1961; v. 771; p. 895.

Lubkin, Samuel, Bayside, N.Y. Disclaimer filed by the assignee, Curtiss-Wright Corporation. No. 2,801,407; disclaimer filed June 15, 1961; v. 768; p. 769.

Mallina, Rudolph F., Hastings on Hudson, N.Y. Dedication filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,759,166; dedication filed Nov. 6, 1961; v. 773; p. 887.

Mason, Warren P., West Orange, N.J. Dedication filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,870,241; dedication filed Nov. 6, 1961; v. 773; p. 887.

Montner, Joseph, Whittier, Calif. Disclaimer filed by the assignee, North American Aviation, Inc. No. 2,747,109; disclaimer filed Apr. 21, 1961; v. 766; p. 1123.

McKnight, Charles L., Dayton, Ohio. Disclaimer and dedication filed by the assignee, General Motors Corporation. No. 683,868; disclaimer and dedication filed Oct. 16, 1961; v. 772; p. 599.

Muffly, Gary, Oakmont, Pa. Disclaimer filed by the assignee, Gulf Research & Development Company. No. 2,737,646; disclaimer filed Apr. 26, 1961; v. 766; p. 1123.

Nampa, Sulo Michael, Detroit, Mich. Disclaimer filed by the assignee, Evans Products Company. No. 2,679,214; disclaimer filed Aug. 7, 1961; v. 770; p. 191.

Nichols, Gordon E., Middleboro, Mass. Disclaimer filed by the assignee, Winthrop-Atkins Co. Inc. No. 2,902,785; disclaimer filed Feb. 27, 1961; v. 765; p. 1.

Nicoll, Frederick H., Mercer County, N.J. Disclaimer filed by the inventor, and the assignee, Radio Corporation of America. No. 2,884,541; disclaimer filed Sept. 12, 1961; v. 771; p. 895.

Pattinson, Reginald L., Aylmer, Ontario, Canada. Disclaimer filed by the assignee, Ira Butler. No. 24,318; disclaimer filed Mar. 29, 1961; v. 766; p. 292.

Polomski, John B., Detroit, Mich. Disclaimer filed by the assignee, Borg-Warner Corporation. No. 2,845,817; disclaimer filed Sept. 15, 1961; v. 773; p. 1.

Pritikin, Nathan, Chicago, Ill. Disclaimer filed by the assignee, Intellux, Inc. No. 2,818,354; disclaimer filed June 30, 1961; v. 769; p. 232.

Reed, Robert C., Whittier, Calif. Disclaimer filed by the assignee, North American Aviation, Inc. No. 2,857,518; disclaimer filed May 26, 1961; v. 768; p. 271.

Renneker, Herman H., Palm Springs, Calif. Disclaimer filed by the assignee, H. H. Renneker Co., Inc. Des. No. 188,189; disclaimer filed Aug. 14, 1961; v. 770; p. 191.

Renneker, Herman H., Palm Springs, Calif. Disclaimer filed by the assignee, H. H. Renneker Co., Inc. No. 2,863,954; disclaimer filed Aug. 14, 1961; v. 770; p. 191.

Ricks, James B., Highland Park, Ill. Dedication filed by the assignee, Earl F. Simmons. No. 2,961,871; dedication filed Nov. 30, 1960; v. 762; p. 189.

Rieppel, Perry J., Worthington, Melvin C. Clapp, and Robert M. Evans, Columbus, Ohio. Disclaimer filed by the assignee, The Metal Specialty Company. No. 2,779,086; disclaimer filed Feb. 28, 1961; v. 766; p. 1123.

Santini, Danilo, Tenafly, N.J. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,785,772; disclaimer filed Dec. 30, 1960; v. 763; p. 253.

Schneider, Kenneth C., Bethel, Conn. Disclaimer filed by the assignee, Brown Engine Products, Inc. No. 2,980,032; disclaimer filed Sept. 20, 1961; v. 771; p. 895.

Schoene, Dwight L., Woodbridge, and Norman K. Sundholm, Naugatuck, Conn. Disclaimer filed by the assignee, United States Rubber Company. No. 2,809,202; disclaimer filed Oct. 31, 1961; v. 773; p. 603.

Schroeder, Albert W., La Grange, Ill. Disclaimer filed by the assignee, Chicago Metallizing Company, Inc. No. 2,845,366; disclaimer filed Sept. 22, 1961; v. 772; p. 296.

Scott, Ian James C., Detroit, Mich. Disclaimer filed by the assignee, Holley Carburetor Company. No. 2,905,831; disclaimer filed Nov. 15, 1961; v. 773; p. 603.

Shelby, Richard K., Hinsdale, and George A. Creevy, Villa Park, Ill. Disclaimer filed by the assignee, Continental Can Company, Inc. No. 2,967,328; disclaimer filed May 10, 1961; v. 767; p. 286.

Smith, Alonzo L., Houston, Tex. Disclaimer filed by the inventor. No. 2,765,373; disclaimer filed Mar. 6, 1961; v. 765; p. 309.

Smith, George H., Kenmore, N.Y., and Richard C. Eschenbach and John F. Pelton Indianapolis, Ind. Disclaimer filed by the inventors; the assignee, Union Carbide Corporation, assenting. No. 2,861,900; disclaimer filed Sept. 11, 1961; v. 771; p. 895.

Spound, Albert M., Los Angeles, Calif., and Joseph Martin, Bayside, N.Y. Disclaimer filed by the inventors. No. 2,884,992; disclaimer filed Oct. 4, 1961; v. 772; p. 296.

Teegen, Hermann, Bielefeld, Germany. Disclaimer and dedication filed by the assignee, Mission Manufacturing Company. No. 2,821,967; disclaimer and dedication filed May 31, 1961; v. 768; p. 544.

Teegen, Hermann, Bielefeld, Germany. Disclaimer and dedication filed by the assignee, Mission Manufacturing Company. No. 2,842,107; disclaimer and dedication filed May 31, 1961; v. 768; p. 544.

Teegen, Hermann, Bielefeld, Germany. Disclaimer and dedication filed by the assignee, Mission Manufacturing Company. No. 2,853,989; disclaimer and dedication filed May 31, 1961; v. 768; p. 544.

Thatcher, Charles J., New York, N.Y., and Benson Carlin, Fairlawn, N.J. Disclaimer filed by the assignee, Ultrasonic Tools, Inc. No. 2,774,193; disclaimer filed Mar. 15, 1961; v. 765; p. 935.

Tompkins, Howard E., Ridley Park, Pa. Disclaimer filed by the assignee, Burroughs Corporation. No. 2,839,686; disclaimer filed Sept. 25, 1961; v. 772; p. 7.

Van Doorn, Donald W., and William C. Pease, III, Columbus, Ga. Disclaimer filed by the assignee, Lummus Cotton Gin Company. No. 2,882,816; disclaimer filed Jan. 13, 1961; v. 763; p. 701.

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Weber, Kurt H., Pittsfield, Mass. Dedication filed by the assignee, General Electric Company. No. 2,836,792; dedication filed June 28, 1961; v. 769; p. 767.

Weiss, Morton A., Springfield, N.J. Disclaimer filed by the assignee, White Machine Company, Inc. No. 2,899,072; disclaimer filed July 11, 1961; v. 769; p. 487.

Wheeler, Wendell J., Endwell, and Herman J. Klotz, Endicott, N.Y. Disclaimer filed by the assignee, International Business Machines Corporation. No. 3,002,751; disclaimer filed Oct. 30, 1961; v. 773; p. 603.

Whitcomb, Keith R., and Eugene E. Finch, Los Angeles, Calif. Disclaimer and dedication filed by the assignee, Cee-Bee Chemical Co., Inc. No. 2,653,116; disclaimer and dedication filed July 17, 1961; v. 770; p. 3.

Wiley, Emmett H., Willowick, Ohio. Disclaimer filed by the assignee, General Electric Company. No. 2,904,714; disclaimer filed Sept. 5, 1961; v. 771; p. 613.

Yonkers, Robert A., and Henry T. Lathrop, Grand Rapids, Mich. Disclaimer filed by the assignee, Bissell Inc. No. 2,976,559; disclaimer filed Oct. 16, 1961; v. 772; p. 886.

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Schurmann, Max-Otto, and Einsel. 2,974,554.
Seifert, Hans. 3,008,927.
Seydel, Robert, Unterstenhöfer, and Stroh. 2,998,348.
Simmler, Walter. 3,012,052.
Steinfatt, Fritz, Braun, and Schmidt. 3,006,870.
Stroh, Rudolf, Sutter, Heinz, and Haberland. 2,973,337.
Taube, Carl, and Böckmann. 3,009,761.
Thoma, Wilhelm, Bayer, and Rinke. 2,988,538.
Tietze, Ernst, and Petersen. 3,002,000.
Tischbein, Wilhelm. 2,993,813.
Urbschat, Ewald, and Frohberger. Re. 24,960.
Veiel, Ulrich, Prietzschk, and Schnell. 3,007,204.
Wagner, Kuno. 2,987,504.
Wagner, Kuno. 3,005,799.
Wagner, Kuno, and Muller. 2,976,261.
Warnecke, Heinz. 2,976,414.
Weber, Horst, and Podschus. 2,999,734.
Wehn, Julius. 3,004,627.
Wehn, Julius, and Rumpf. 2,999,563.
Weinbrenner, Erwin, Hoppe, and Breer. 3,009,209.
Weis, Konrad, and Kleiner. 2,993,886.
Weis, Konrad, Kleiner, and Bayer. 3,005,677.
Worffel, Udo, Puls, Behnisch, and Mietzsch. 3,010,872.

Bergman, W. Dan, Aktiebolaget: *See*—
Granqvist, Nils H. 3,010,401.

Bertin & Cie, Societe: *See*—
Bertin, Jean H., and Schmitt. 3,012,738.
Salmon, Benjamin J. M., and Bertin. 3,001,691.

Bertin et Cie (Societe à Responsabilite Limitee), Societe: *See*—
Bertin, Jean H. 2,973,825.

Bobinage pour l'Industrie et la Radio: Societe Anonyme de: *See*—
Monfray, Benoit. 2,994,010.

Bohler & Co. Aktiengesellschaft, Gebr.: *See*—
Strohmeier, Harald, and Mader. 3,004,873.

Bosch, Robert, G.m.b.H., Firma: *See*—
Kreissig, Johannes. 3,011,360.
Schafer, Fridolin. 2,990,489.
Schafer, Fridolin and Wick. 2,990,488.
Weigert, Wilhelm. 2,993,450.

Brown, Boveri & Cie, Aktiengesellschaft: *See*—
Andres, Max. 3,014,146.
Brandt, Armand. 2,969,496.
Brandt, Armand. 3,011,118.
Christoffel, Martin, and Wohlfahrt. 2,976,504.
Darrieus, Georges. 2,988,687.
Eggmann, Jean. 2,969,247.
Fruh, Werner. 3,004,114.
Kress, Herwig R. A. 2,976,014.
Latzko, John A. 2,976,966.
Lemaire, Jacques. 2,976,605.
Piazza, Gian F. 2,967,234.
Schärli, Otto. 2,975,343.
Wiedemann, Eugen. 2,980,564.
Wohlfahrt, Otto, and Michel. 2,980,566.
Zaba, Tadeusz. 2,972,055.

Buehler, Gebrueder: *See*—
Roth, Ernst. 2,984,423.
Samson, Rene. 2,988,819.

Buhler, Gebruder: *See*—
Bosshard, Ernst. 3,010,663.

Byggforbattring, AB: *See*—
Svensson, Sven-Erik V. 2,984,898.

Caves et des Producteurs Reunis de Roquefort, Societe Anonyme des: *See*—
Bertrand, Jacques R. R. 2,976,662.

Chausson, Societe Anonyme des Usines: *See*—
Chausson, André. 2,979,937.
Chausson, André. 2,984,406.
Chausson, André. 2,988,376.
Chausson, André. 2,992,692.
Chausson, André. 3,006,536.
Reutter, Jean-Leon. 2,988,264.

Chemische Fabriek L. Van der Grinten N.V.: *See*—
Buskes, Willem M., van Rhijn, and Sanders. 3,010,391.
Heldens, Peter H. 3,000,287.

Chemische Fabrik Kalk G.m.b.H.: *See*—
Nees, Hugo, Buettgens, and Geiersberger. 2,968,543.
Nees, Hugo, and Geiersberger. 2,968,546.
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Zeitz, Willi, and Nees. 2,968,544.

Chemische Werke Albert: *See*—
Bartels, Ernst A., Brähler, Reese, and Zimmermann. 2,974,085.
Brahler, Berthold, Reese, and Zimmermann. 2,984,669.

Chemische Werke Huls Aktiengesellschaft: *See*—
Broich, Franz, List, and Roh. 2,999,879.
Broich, Franz, Steinbrink, Frese, and König. 2,997,455.
Derichs, Fritz, Franke, and Stumpf. 2,967,895.
Frese, Albert. 2,967,852.
Hilgert, Richard, Jahnentz, and Schmidt. 3,008,807.
Jacobi, Bernhard, and Wolff. 2,974,132.
Jahnentz, Walter, Schmidt, and Hilgert. 3,011,966.
Reese, Johannes, and Bartels. 2,976,305.
Reiser, Marlo, Eidehenz, and von Schuh. 2,975,183.
Roh, Nikolaus, Wulf, and Weber. 3,011,990.
Weber, Heinrich, van de Kamp, and Strache. 3,010,984.

Chemische Werke Witten: *See*—
Hoffmann, Gerhart. 3,007,943.

Chemische Werke Witten Gesellschaft mit beschrankter Haftung: *See*—
Katzschmann, Ewald. 3,008,980.

Citroen, Andre, Societe Anonyme: *See*—
Brueder, Antoine. 2,966,964.
Brueder, Antoine. 2,976,084.
Brueder, Antoine. 2,988,070.
Brueder, Antoine. 2,988,397.
Brueder, Antoine. 3,000,356.
Brueder, Antoine. 3,003,604.
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Cadion, Jean. 2,985,444.
Cadion, Jean G. 2,991,773.
Henry-Biabaud, Edmond. 2,972,027.
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Compagnie d'Etudes Techniques et Installations Generales: *See*—
Dorville, Robert. 2,997,189.

Compagnie du Filage des Metaux et des Joints Curty: *See*—
Sejournet, Jacques. 2,971,644.
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Compagnie Francaise de l'Afrique Occidentale: *See*—
Hubert, Jean M. A. 3,013,499.

Compagnie Francaise de Raffinage: *See*—
Gislon, André, Valet, and Bellec. 3,005,856.
Quiquerez, Joseph, and Weisang. 2,967,824.

Compagnie Francaise des Matieres Colorantes: *See*—
Bilger, Xavier. 3,012,908.
Gangneux, René E. M. 2,977,354.
Gangneux, René E. M., and Le Blanc. 3,012,843.
Grulet, Louis, and Roe. 2,993,764.

Compagnie Generale d'Electricite: *See*—
Domenach, Louis. 3,013,101.
Joly, Andre. 2,984,544.
Nicolas, Henry. 2,995,616.
Oswald, Jacques. 3,008,086.
Pouzet, Georges. 2,984,063.

Compagnie Generale d'Electro-Ceramique: *See*—
Meier, Jean H. 3,003,022.
Thevenon, Henri. 2,988,467.

Compagnie Generale de Geophysique: *See*—
Geneslay, Raymond H. J. 3,011,147.

Compagnie Generale de Telegraphie Sans Fil: *See*—
Alexis, Roger, and Simon 3,001,064.
Broussaud, Georges. 2,999,982.
Charles, Daniel, and Dohler. 2,972,700.
Clement, Rene, and Tristan. 2,992,929.
Favre, Maurice. 3,003,119.
Garreta, Olivier. 3,013,161.
Gendreu, Robert, Honore, and Torcheux. 3,001,115.
Gutton, Henri. 2,977,589.
Honore, Etienne, and Torcheux. 3,009,640.
Lerbs, Alfred. 2,972,701.
Lerbs, Alfred, and Reverdin. 2,992,354.
Mazond, Marceline, and Youssov. 2,980,597.
Nalot, Jean P. F. 2,982,879.
Reverdin, Daniel. 2,992,360.
Rigot, Roger, and Boulet. 2,998,331.
Robert, Andre, and Deslandes. 2,975,289.
Sev, Alexandre. 3,011,053.
Tcheditch, Pierre, and Beaugrand. 2,991,432.
Toulemonde, Jacques. 3,003,110.
Vial, Pierre. 3,008,093.
Warnecke, Robert R., and Arnaud. 2,995,675.

Compagnie Generale du Duralumin et du Cuivre: *See*—
Tournaire, Marcel, and Trompier. 2,977,458.
Tschudnowsky, Jean R. 2,987,173.

Compagnie Industrielle des Procedes Raoul Pictet: *See*—
Houplain, Marcel E. 2,990,693.

Compagnie Industrielle des Telephones: *See*—
Alizon, Etienne. 3,012,152.
Burstow, Pierre. 2,999,946.
Burstow, Pierre, and Monin. 2,967,212.
Chalhoub, Christian. 2,991,433.
Demartres, Jean G. 2,993,085.
Oswald, Jacques R. V. 2,973,409.
Weinstein, Georges, Woerth, and Gangneux. 2,993,917.
Compagnie Industrielle du Conforts, S.A.: *See*—
Melzassard, Louis. 2,986,745.
Compagnie Nord-Africaine de L'Hyperphosphate Reno: *See*—
Ceseas, Jean-Baptiste. 2,999,336.
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gaz: *See*—
Griengl, Walter. 2,982,816.
Compteurs, Compagnie des: *See*—
Pelpel, Jacques C. G. 2,972,686.
Comptoir de l'Industrie Cotonniere, Etablissements Boussac: *See*—
Pelletier, Albert L. G. 2,986,682.
Compur-Werk Friedrich Deckel OGH: *See*—
Fahlenberg, Paul. 2,974,577.
Fahlenberg, Paul. 2,978,970.
Fahlenberg, Paul. 2,999,445.
Gebele, Kurt. 2,967,472.
Gebele, Kurt. 2,968,229.
Gebele, Kurt. 2,969,004.
Gebele, Kurt. 2,973,700.
Gebele, Kurt. 2,975,686.
Gebele, Kurt. 2,983,207.
Gebele, Kurt. 2,985,084.
Gebele, Kurt. 2,985,085.
Gebele, Kurt. 2,986,978.
Gebele, Kurt. 2,987,978.
Gebele, Kurt. 3,013,478.
Gebele, Kurt, and Singer. 2,990,761.
Singer, Franz. 2,974,575.
Singer, Franz. 2,983,206.
Continental Gummi-Werke Aktiengesellschaft, Firma: *See*—
Beckadolph, Richard. 2,986,191.
D.B.A., Societe Anonyme: *See*—
Furia, Andre, and Chevreux. 3,007,447.
Defim, Societe Anonyme: *See*—
Prejean, Roger. 2,968,095.
Delacoste & Cie: Societe a Responsabilite Limitee dite: *See*—
Delacoste, Claude. 2,989,068.
Delmag, Maschinenfabrik Reinhold Dornfeld, Firma: *See*—
Haage, Konrad. 3,001,515.
Dentatus, AB: *See*—
Eriksson, Rolf, and Bjorklund. 3,007,450.
Ducellier, Societe Anonyme dite: Etablissements: *See*—
Dreyfus, Marcel. 2,985,814.
Durst Soc. p.A., Fabrica Machine ed Apparecchi Fototecniel, Firma: *See*—
Durst, Julius. 3,013,479.
Einfalt, Blechspielwarenfabrik G.m.b.H., Gebr.: *See*—
Einfalt, Alfred. 3,011,288.
Einfalt, Tinware Manufacturers, Gebrüder: *See*—
Einfalt, Alfred. 2,992,598.
Eisenwerk Wanheim G.m.b.H., Firma: *See*—
Vanwersch, Aloys, P. and L. 2,991,098–104.
Eisenwerke Gelsenkirchen Aktiengesellschaft, Firma: *See*—
Wittmoser, Adalbert. 3,000,770.
Ekstroms, A., Maskinaffar, AB.: *See*—
Jansson, John. 3,006,190.
Engrenages Minerva, Societe Anonyme des: *See*—
Leboime, Pierre. 2,995,989.
Engstfeld, Wilh., Firma: *See*—
Junghanns, Paul. 2,993,714.
Enterprise Fougerolle pour Travaux Publics, Societe Anonyme dite: *See*—
Bouvier, Jean, Bouillot, and Bourgouin. 2,979,913.
Eriks, T., Lervarufabriker, Aktiebolaget S.: *See*—
Hellström, Nils A. 3,009,228.
Ernault-Batignolles, H., Societe Anonyme dite: *See*—
Lelan, Armand M. 2,977,833.
Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning: *See*—
Aumuller, Walter, Korger, Weyer, and Wagner. 2,990,326.
Bestian, Herbert, and Lange. 2,999,856.
Brümmer, Friedrich. 3,007,201.
Dörfelt, Christoph, Härtel, and Reindl. 2,977,379.
Dörfelt, Christoph, Härtel, and Reindl. 2,997,496.
Eckert, Wilhelm, Fuchs, Ratzner, and Rentel. 2,994,697.
Ehrhart, Gustav, Ott, and Linder. 2,991,304.
Fischer, Edgar. 2,978,519.
Fischer, Kurt, and Oberrauch. 2,970,997.
Fischer, Kurt, and Rummert. 2,972,647.
Frey, Hans-Helmut. 3,006,889.
Frey, Hans-Helmut, and Kuhrs. 2,969,403.
Fuchs, Otto, Meininger, and Ische. 3,006,923.
Gerstenberg, Helmut, Grunewald, Medem, and Lademann. 3,007,891.
Graf, Roderich, and Jacob. 3,007,908.
Grundmann, Werner, Bachmann, Halder, and Gampp. 2,984,657.
Gruschke, Hans, Medem, Grunewald, and Gerstenberg. 3,007,892.
Hartmann, Adolf, Happe, and Gattys. 2,989,363.
Hauk, Hans, Streeck, Bayer, and Belik. 2,974,419.
Herzberg, Horst, and Orthner. 2,981,720.
Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning: *See*—Continued
Heyna, Johannes, Berlin, and Schinzel. 2,994,611.
Heyna, Johannes, Sommer, Siebert, and Berner. 3,008,950.
Hieronymus, Ernst. 3,002,035.
Hieronymus, Ernst. 3,022,036.
Hirschberg, Rudolf. 2,969,276.
Horn, Otto. 2,971,984.
Horst, Karl, Wellens, and Orthner. 3,006,896.
Jacobi, Helmut. 3,014,501.
Kirschner, Hans G., Gumboldt, and Bier. 3,002,961.
Kracker, Herbert, Albert, and Thaler. 2,970,029.
Kreuter, Herbert, Sommer, and Kirschner. 3,007,904.
Lang, Helmut, and Lowinger. 3,007,359.
Lederer, Michael, Frey, and Reeber. 2,987,510.
Lenz, Hans-Joachim. 3,009,760.
Messwarb, Gunter, Denk, and Scherer. 2,971,948.
Meyer, Kurt, Jacob, and Sommer. 2,988,543.
Fernseh G.m.b.H., Firma: *See*—
Zschau, Horst. 3,004,467.
Ferodo, Societe Anonyme Francaise du: *See*—
Kalopissis, Gregoire, and Viout. 2,976,215.
Maurice, Jean, and Rist. 2,981,846.
Maurice, Jean, and Rist. 2,987,155.
Maurice, Jean, and Rist. 2,999,573.
Maurice, Jean, and Rist. 3,002,103.
Fleischmann, Gebruder: *See*—
Fleischmann, Johann, Paschen, and Schmitt. 3,014,144.
Fleissner G.m.b.H., Firma: *See*—
Fleissner, Gerold. 3,011,328.
Fleissner & Sohn, G.m.b.H., Firma: *See*—
Friedel, Wolfgang. 2,970,364.
Fortuna-Werke Spezialmaschinenfabrik A.G., Firma: *See*—
Hucker, Kurt, and Braun. 2,982,831.
Frankignoul, Societe Anonyme, Compagnie Internationale des Pieux Armes: *See*—
Jourdain, André P. 3,006,151.
Freins et Signaux Westinghouse, Societe Anonyme dite: Compagnie des: *See*—
Usselmann, Fernand, and Verhelle. 2,979,083.
Fulmen, Societe de l'Accumulateur: *See*—
Rowe, Robert. 3,002,042.
Gelsenberg Benzin Aktiengesellschaft, Firma: *See*—
Peterlein, Karl. 2,990,399.
General Plastics, Societe a responsabilite limitee: *See*—
Babin, Jacques A. 3,007,569.
Geoffroy-Delore, Societe Anonyme: *See*—
Haugwitz, Otto. 2,969,205.
Haugwitz, Otto. 2,998,694.
Geoffroy-Delore, Societe Anonyme dite: *See*—
Haugwitz, Otto. 2,987,268.
Gesellschaft der Ludw. von Roll'schen Eisenwerke AG.: *See*—
Bloch, Peter. 2,971,498.
Trippel, Karl. 2,985,144.
Gesellschaft fuer Huettenwerksanlagen m.b.H.: *See*—
Tunder, Siefried, and von Mertz. 2,995,354.
Gesellschaft fuer Linde's Eismaschinen A.G. Zweigniederlassung Gueldner-Motoren-Werke in Aschaffenburg: *See*—
Arz, Walter. 2,975,597.
Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft: *See*—
Becker, Rudolf. 3,009,328.
Karwat, Ernst. 2,975,606.
Gesellschaft fur Multiblitz-Gerate, Dr. Ing. D.A. Mannesmann m.b.H.: *See*—
Ludloff, Wolfgang. 2,983,849.
Gesellschaft zur Forderung der Forschung an der Eldg. Techn. Hochschule: *See*—
Epprecht, Wilfried, and Held. 2,993,814.
Gram-Electric, Societe a responsabilite limitee dite: Societe: *See*—
Trottier, Jean E. 3,001,083.
Grorud Jernvarefabrik, A/S: *See*—
Strandengen, Einar. 2,999,268.
Gustin Fils, Societe Anonyme dite: Etablissements: *See*—
Ealet, Pierre. 3,000,411.
Ealet, Pierre. 3,006,489.
Habra-Werk Wilhelm F. Ott, Firma: *See*—
Danielzig, Karl H., and Neuendorf. 2,972,215.
Hansel, Otto, Junior G.m.b H., Firma: *See*—
Lesch, Hans. 3,014,321.
Happich G.m.b.H., Firma Gebr.: *See*—
Herr, Gerhard. 2,970,863.
Herr, Gerhard, and Ziptschirsch. 2,984,875.
Hartmann, Brodrene, Aktieselskabet: *See*—
Hartmann, Louis M., and Hansen. 2,986,211.
Hatot, Leon, Societe Anonyme Etablissements: *See*—
Lavet, Marius J., and Dietsch. 2,986,683.
Henkel-Hellos, Aktiebolaget: *See*—
Hellsten, Karl M. E. 2,992,186.
Hesser, Fr., Maschinenfabrik-Aktiengesellschaft, Firma: *See*—
Grafingholt, Alfred. 3,006,120.
Reinhardt, Fritz. 2,999,627.
Stambera, Adolf. 2,976,006.
Hischmann, Maschinenfabrik, Firma Gebr.: *See*—
Claes, Georg. 2,980,347.
Hischmann, Rudolf. 3,013,734.
Hoagland, Emil, Firma: *See*—
Gronemeier, Heinz. 2,998,651.

Hoganasnetoder, Aktiebolaget: *See*—
Gummeson, Per E. 2,969,969.
Holmquist, Malcus, Aktiebolaget: *See*—
Bauer, Alfred E. R. E. 3,001,336.
Hydrometer, Aktiebolaget: *See*—
Brising, Victor. 3,012,435.
Industrikompaniet, Aktiebolaget: *See*—
Joelson, Karl-Evert A. 2,980,079.
Joelson, Karl-Evert A. 2,980,080.
Joelson, Karl-Evert A. 2,982,254.
Joelson, Karl-Evert A. 3,007,454.
Interconsult, AB: *See*—
Carlsen, Helmuth W. 3,000,530.
Inventing, Aktiebolaget: *See*—
Nilsson, Herman B. 2,991,997.
Johansons Press- & Hejarverktyg, Aktiebolaget: *See*—
Liebmann, Werner H. 2,994,567.
Kabl, A/B: *See*—
Melander, Bengt O., and Hanshoff. 2,972,564.
Kamyr, Aktiebolaget: *See*—
Richter, Johan C. F. C. 3,007,839.
Richter, Johan C. F. C., and Johansen. 2,999,785.
Kanthal, Aktiebolaget: *See*—
Edwin, Björn, and Hildebrand. 2,992,918.
Malm, Anders E. 2,981,820.
Schrewelius, Nils G. 2,992,959.
Schrewelius, Nils G., and Amberg. 2,993,111.
Karlstads Mekaniska Werkstad, Aktiebolaget: *See*—
Jardmo, Sven A. 3,002,486.
Pehrsson, Leunart A. 3,013,615.
Kemishka Patenter, AB.: *See*—
Nordengren, Rolf G. J. 3,003,852.
Kienzle Apparate G.m.b.H., Firma: *See*—
Kelch, Heinz. 2,973,652.
Maier, Lorenz. 2,988,356.
Vögtlin, Karl, and Helmschrott. 3,013,854.
Kolb & Co., Firma: *See*—
Trente, Gerhard, and Scheller. 3,003,221.
Kosta Glasbruk, Aktiebolaget: *See*—
Lindstrand, Viktor E. 2,972,212.
Laboratoire Roger Bellon, Societe Anonyme dite: *See*—
Le Men, Jean G. 2,995,574.
L'Air Liquide, Societe pour l'Etude et l'Exploitation des Procedes Georges Claude: *See*—
Sanceime, Andre. 2,983,584.
Laminoirs, Hauts-Fourneaux, Forges Fonderies et Usines de la Providence, Société Anonyme des: *See*—
Lecocq, André. 2,972,294.
Landsverk, Aktiebolaget: *See*—
Jung, Erland V. 3,002,446.
Jung, Erland V. 3,009,412.
Leo, Aktiebolaget: *See*—
Diczfalusy, Egon R., Fernö, Fex, and Högberg. 2,970,153.
Fernö, Ove B., Fex, Linderot, Rosenberg, and Högberg. 3,008,951.
Linde Maskiner, Aktiebolaget: *See*—
Andren, Ingmar K. L. 2,968,399.
Ljungmans Verkstader, Aktiebolaget: *See*—
Eklund, Hans E. 2,970,640.
Losenhausenwerk, Dusseldorfer Machinenbau A.G., Firma: *See*—
Bergmann, Herbert, and Backhaus. 2,972,890.
Machines Bull (Societe Anonyme), Compagnie des: *See*—
Desouvemont, Pierre A. 2,986,084.
Feissel, Henri G. 2,982,920.
Feissel, Henri G. 3,000,482.
Samuel, Sergiu. 2,983,828.
Souchot, René. 3,006,641.
Machines Electrostatiques, Societe Anonyme de: *See*—
Morel, Roger, and Point. 3,008,645.
Manufacture de Feutres de Mouzon-Anciens Etablissements Roger Sommer et Ses Fils, Societe Anonyme dite: La: *See*—
Sommer, Francois N. 2,999,763.
Matenin, Societe Anonyme dite: Etablissements: *See*—
Domagalzki, Bernard E. 2,985,325.
Domagalzki, Bernard E. 3,002,299.
Metabowerk Class, Rouch & Schnizler K.G., Firma: *See*—
Wrobbel, Werner. 2,994,990.
Metalloteenica, Soc.: *See*—
Cupella, Aldo. 2,981,795.
Cupella, Aldo. 2,981,797.
Michelin (Mechelin & Cie), Compagnie Generale des Etablissements: *See*—
Bourdon, Pierre M. 2,991,820.
Michelin (Robert Puiseux & Cie), Compagnie Generale des Etablissements: *See*—
Bourdon, Pierre M. 2,972,966.
Boussu, Gabriel X. R., Neuville, and Saint Frison. 2,966,933.
Mikro-Verktyg, A.B.: *See*—
Gustavsson, Carl G. 2,990,599.
Monsavon-l'Oreal, Societe Anonyme Dite: Societe: *See*—
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